MOBIL HUME
RIVER
L-09

Drilling Authority No. 463

Date Issued 4 December 1970

WELL NAME Mobil Hume River L-09

FIELD ..... Area: .....

LOCATION: Unit L Section 09 Grid 65-30-129-30

Latitude 65-28-31 Longitude 129-31-32

U.W.L.R. 65.47528 --- 129.52556

U.W.I. 3001+06530129300

Rig Release Date: .....

Status .....

Information Release Date .....

CHANGE OF NAME:

DATE RECEIVED	INDEX
4/12/70	Application for a Drilling Authority.
	Well Completion Data.
	Well History Report.
8-3-71	Application to Amend a Drilling Authority.
	Application to change a Well Name.
	Application to Abandon a Well or Suspend Drilling.
	Application to Alter Condition of a Well.
	Well History Supplement.
	Well Completion Data.
	Work-over Report No. .....
	Application to Commingle Production before Measurement.
	Data for Back Pressure Test on Natural Gas Wells – Monograph 7 Method.
	Data for Back Pressure Test on Natural Gas Wells – Vitter's Method.
	M.P.R. – Oil – Calculations.
	New Oil Well Report.
	New Gas Well Report.
	Well Inspection Report.
	Rig Inspection Report.
	Battery Inspection Report.
	Equipment Report.
	Well Card.
	New Service Well Report.
	Monthly Water Flood Operations Report
	Monthly Water Receipts and Disposal of Fluids Report
	Logs. Large scale..... Small scale.....

IAND 52-90 (3-69)

File No. .....

Drilling Authority No. 463

CANADA

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT

~~RESOURCE MANAGEMENT DIVISION~~

OIL AND MINERAL DIVISION

Application to Amend a Drilling Authority

This application, in triplicate, must be submitted and approved before commencing operations. If the well location is changed, this application must be accompanied where required, with a plan of survey approved by the Surveyor General.

In compliance with the "Canada Oil and Gas Land Regulations", application is hereby made to amend Drilling Authority No. 463, concerning

Mobil Hume River L-09

(Name and Number of Well)

The following amendments are required: Running of a 7" intermediate string as follows:

0 - 30'	30'	J-55	ST&C	23 #/ft.
30 - 4200'	4170'	J-55	ST&C	20 #/ft.
4200 - 5286'	1086'	J-55	ST&C	23 #/ft.

Cement with neat oilwell cement interval 5286' - 4250'. Cement volumes to be based on caliper log plus 20% excess.

Reasons for the amendments: Isolate sloughing hole section and permit further drilling of hole.

Dated at Edmonton, this 25th day of February, 1971

Signed by Original signed by H.S.H. Aitken

Title Production Superintendent

Company Mobil Oil Canada, Ltd.

(For Resource Management Division use only)

APPROVED

This application has been examined and approved subject to the following conditions:

Confirming oral approval given by Mr. G. E. Blue on the 12th February 1971.

Date 3rd March, 1971

Oil Conservation Engineer

Forms to be submitted to the Oil Conservation Engineer, Department of Indian Affairs and Northern Development, Calgary, Alberta.

IAND 52-90-3 (3-67)

Drilling Authority No. 463

Project No.

File No.

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
OIL AND MINERAL DIVISION

Application for a Drilling Authority

This notice of intention to begin drilling operations, in triplicate, and where required a plan o' survey approved by the Surveyor General showing the target area or the site of the well must be submitted and approved before commencing operations.

In compliance with the "Canada Oil and Gas Land Regulations", application is hereby made for approval to drill:—

Name and number of well Mobil Hume River L-09

Location: Unit L Section 09 Grid 65°30'N - 129°30'W

Latitude 65°28'12"N Longitude 129°31'32" W (Shot Point #180) (Line 3)

Unique Well Identifier 300L096530129300

Reference Marker ~~Geographic Location Reference~~ Central Meridian Zone 9 - UTM Grid

Elevation: Ground K.B. feet above sea-level.

Well is expected to produce from Bear Rock formation at a depth of about 9113 feet. Expected total final depth 7500 in Bonning

Area assigned to well (for Oil Conservation Engineer's use only)

Permit No. 4434 Lease No. Acreage 26,618 Acres

Permittee, licencee, or lessee Mobil Oil Canada, Ltd.

Exploratory Licence No. 1403

Surface owned by Crown or (If alienated submit name and address of owner and occupant.)

Petroleum and natural-gas rights owned by Crown

We propose to use the following strings of casing, either cementing or landing them as indicated below:—

Casing Size O.D. (Inches)	Weight (Lb./Ft.)	Grade	New or Used	Estimated Depth	Sacks of Cement
1. 13 3/8" Conductor	54#	J-55	New	0 - 100	
2. 9 5/8"	36#	J-55	New	800 - 1000	Cement to surface
3.					
4.					
5.					

Expected water, gas, and oil horizons and type of control equipment Double Gate and Hydril

Well will be drilled with Rotary Rig No. 1E by S & T Drilling (Drilling Contractor or company)

Responsible agent of applicant:— Contractor's Business Licence No. 798

At well L. Leismeister At registered office J. E. Routledge

Address Financial Bldg., Edmonton Address Financial Building, Edmonton

It is understood that if changes become necessary, notice of the change of plan will be submitted.

Dated at Edmonton, this 27th day of November 19 70

Signed by [signature] Company Mobil Oil Canada, Ltd.

Title Production Superintendent Operator's Licence No. 1403

(For Oil and Mineral Division use only)

APPROVED

This application has been examined and approved subject to the following conditions:—

1. Copies of this Drilling Authority shall be exhibited at the Drilling Rig in both the Doghouse and the Drilling Foreman's Office between spud and rig release dates.
2. The Company will submit to this office, on Tuesday of each week, the latest reports

Dated 4th December 19 70 Please see over page

Oil Conservation Engineer

Forms to be submitted to Oil Conservation Engineer, Department of Indian Affairs and Northern Development, Calgary, Alberta.

IAND 5240-1 (3-69)

UNIVERSAL WELL LOCATION REFERENCE: Lat. 65.47528° N., Long. 129.52556° W.

received by radio on the progress of the well.

3. During well drilling and testing operations, every effort shall be made to ensure that drilling fluids, chemicals and wastes shall be disposed of or contained in a manner that will prevent the contamination of adjacent vegetation and surface or sub-surface waters.

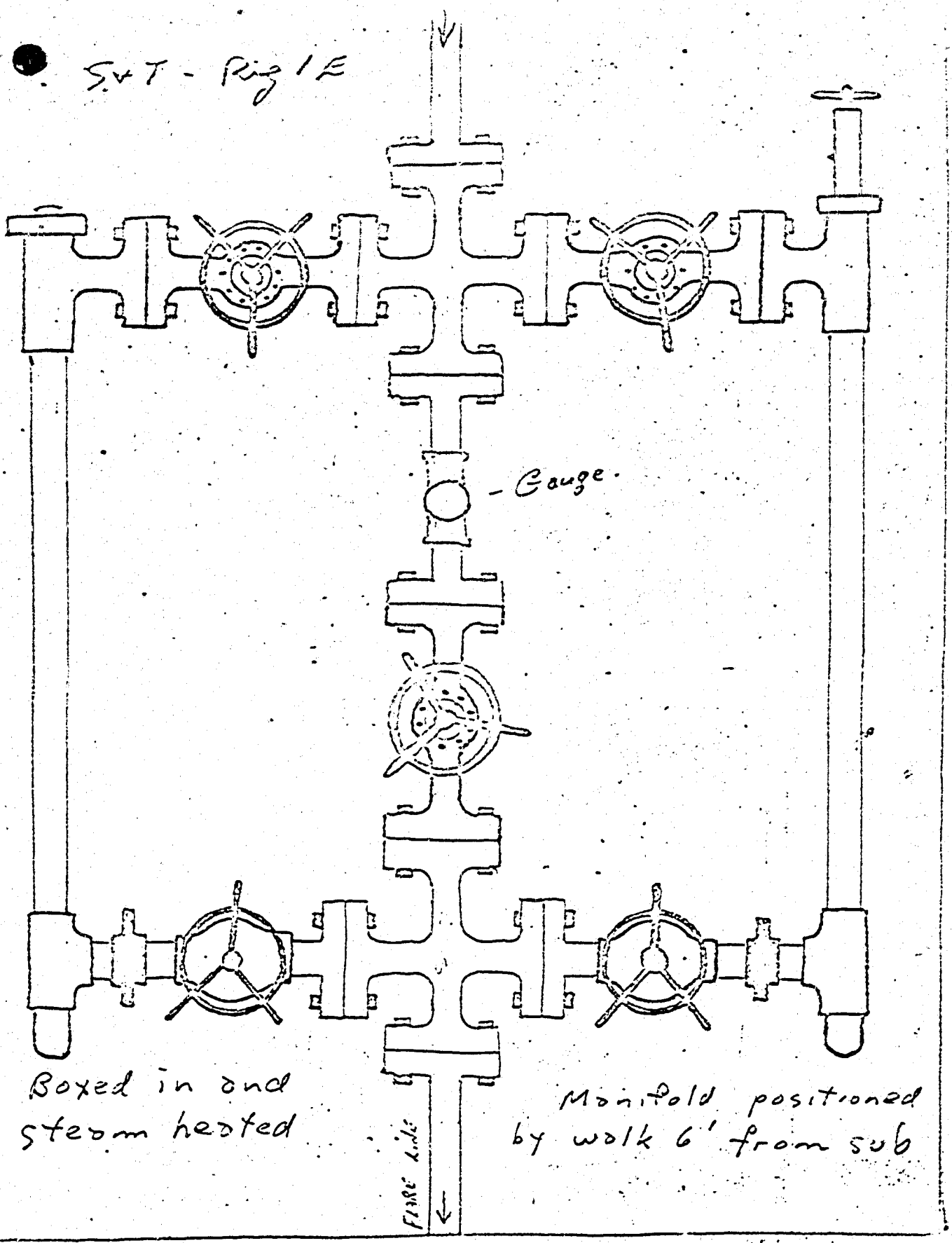
4. We draw your attention to Sections 95 and 96 of the Canada Oil and Gas Land Regulations.

5. The 13 3/8-inch Conductor Pipe shall be set to a minimum of 60 foot.

6. All further casing shall receive the approval of the Oil Conservation Engineer prior to running.

B.H.J. Thorn, Oil Conservation Engineer

S+T - Rig 1E



Boxed in and steam heated

Manifold positioned by walk 6' from sub

WELL PROGNOSIS AND EVALUATION PROGRAM

Name: Mobil Hume River L-9

Location: Approximately 65°28'31"N 129°31'32"W

Elevation: Ground 1050 (est.)
KB 1065 (est.)

Proposed Total Depth: 7500', in the Ronning formation.

Objectives: To evaluate all potential hydrocarbon bearing formations down to total depth. The Ronning and Bear Rock are the main targets.

Geological Prognosis:

Formation	Drill depth	Subsea
Cretaceous	Spud	
Imperial	2990	-1925
Hare Indian	4990	-3925
Hume	5665	-4600
Bear Rock	6115	-5050
Ronning	7015	-5950

Evaluation Program:

Surface Casing: This casing should be set sufficiently deep to insure that the bottom 100 ft. are in consolidated rock.

Sampling: One set of bagged samples, taken at 10 ft. intervals, is required from surface to total depth for the N.W.T. Conservation Engineer. A washed and dried cut will be prepared by the wellsite geologist for Mobil Oil. One bagged sample (at least 1 pound) should be taken every 100 ft. for source bed analysis at F.R.L.

Testing: The first porous development in the Bear Rock and Ronning carbonates should be tested regardless of shows. Other porous developments may be tested after consultation with the Area Exploration office.

The Drilling Department must be contacted prior to running a drillstem test. Departure from the tight hole testing policy must be approved by the Area Manager.

Coring:

Coring will start following a drillstem test recovery of hydrocarbon and will continue until the reservoir is fully evaluated.

Coring for stratigraphic and reservoir analysis may be done at the direction of the Area Exploration Office.

Fluid and Gas sampling:

Samples of fluid and gas recoveries must be taken for analysis. One sample of formation water recovered from each formation tested, should be retained for benzene iodine and bromine analysis. Bottom hole samplers should be used on all drillstem tests.

If water is recovered, a copy of the analysis will be all that is required by the N.W.T. Conservation Engineer. However samples of hydrocarbon (oil and/or gas) recoveries must be sent to the N.W.T. Conservation Engineer. One quart of oil is sufficient. One sample of water plus a representative mud sample should be taken for source analysis studies at F.R.L.

Logging:

The following logs will be run at final total depth:

1. Induction Electrical Log:

   2" and 5" scales from total depth to surface casing shoe. Note: use a conductivity scale sufficiently sensitive to allow readings in water saturated zone to traverse two tracks.

2. Borehole Compensated Sonic, Gamma Ray, Caliper Log: with integrated transit time:
   2" and 5" scales from total depth to

surface casing shoe. The Gamma Ray should be continued to surface through the cased interval.

3. Compensated Formation Density Log:

2" and 5" scales from total depth to 200' above the Hume Formation. In addition to the standard density presentation a limestone porosity presentation is required.

4. Sidewall Neutron Porosity Log:

2" and 5" scales from total depth to 200' above the Hume Formation.

Note: log the whole interval on the limestone index.

Velocity survey: This survey will be conducted after running logs. This logging program may be revised by the Area Exploration Office prior to logging.

Note:

A geolograph and sample boy must be installed.

File No. .....
Drilling Authority No. 463

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT

OIL AND MINERAL DIVISION

WELL-SITE INSPECTION REPORT

FROM: Field Office or Area: Norman Wells Date: 11th July 1971

TO: The Oil Conservation Engineer:

RE: Mobil Hume River L-09 65°-30 - 129°-30

Location: 65°28'31"N., 129°31'32"W. Status: D & A 1971

This location was inspected by the undersigned on 11th July 1971

T.D. 8550'

The location is in ~~satisfactory~~/unsatisfactory condition.

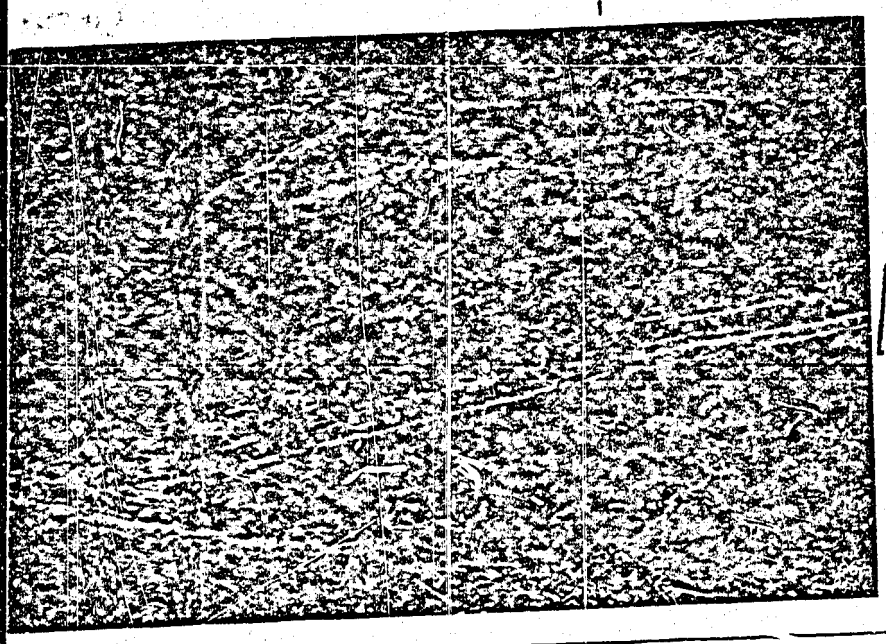
The following items require attention:

1. Either weld 2" pipe to top of casing or set in concrete above casing.
2. Paint identifier pipe and plate fluorescent orange.
3.
4.
5.
6.

Other comments and recommendations: (Include Map, if necessary for clarity)

2" marker not welded.

Good clean-up



Inspected by M. D. Thomas

M. D. Thomas
District 2

Original to Oil Conservation Engineer, Dept of IA & ND, Duplicate to Field Office or Inspecting Engineer.

IAND 52-90-14 (9-69)

6

CANADA

Drilling Authority No. 463

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
OIL AND MINERAL DIVISION

Application to Abandon a Well or Suspend Drilling

In compliance with the "Canada Oil and Gas Land Regulations", application is hereby made for approval to abandon, to suspend drilling:—

Name and number of well: Mobil Hume River L-09

Location: Unit: L Section: 09 Grid: 65°30'N; 129°30'W

Latitude: 65° 28' 31" N Longitude: 129° 31' 32" W

From Established Reference Marker: Central Meridian Zone 9 - UTM grid

Universal Well Location Reference: Lat. 65.47528 N; Long. 129.52556° W

Permit No. 4424 Lease No.

Mobil Oil Canada, Ltd.
(Permittee, Licencee, Lessee)

Date of commencement of proposed program: April 3, 1971

OIL, GAS, AND WATER ENCOUNTERED
(Depths)

Oil at: None

Gas at: 5368 Hume Formation - Kicked while tripping for bit.

Water at: (1) 8195-8550 Ronning; (2) 7870-8120 Ronning; (3) 7623-7865 Ronning

Total Depth: 8550 Date of last operations: April 9, 1971

Present condition of well: Plugged and Abandoned

CASING RECORD

	Casing Size O.D. Inches	Weight	Amount	Set At—	Sacks of Cement and Additives	Amount Pulled
1.	13 3/8"	54.5 #/ft.	97'	97' KB	140 s x oilwell+3% CaC/2	Left In
2.	9 5/8"	32.0 #/ft.	754'	754' KB	460 s x oilwell+2½% CaC/2	Left In
3.	7"	20 #/ft. 23 #/ft.	5282'	5282' KB	200 s x oilwell	Left In
4.						
5.						

PROPOSED ABANDONMENT PROGRAM

Plug No.	Plug Position	Geological Formation	Number of Sacks of Cement	Remarks
1	8550-8120	Ronning	90 sacks	Polished off to 8120' to run DST #3
2	7638-7140	Gossage	100 sacks	
3	5950-5650	Hume	125 sacks	Flash set cementing drill pipe in the hole.
				Top of cement in D.P. 4535
				Top of cement in annulus 5650
				Top of drill pipe 4524
4	4524-4050	Hare Indian - Hume	104 sacks	Felt @ 4100' after 8 hrs.
5	Surface		5 sacks	

The following logs have been run: IES, Sonic, Gamma Ray, Caliper, Neutron Porosity, Density, Dipmeter.

Other operations proposed:

Operations to be carried out by: S&T Drilling (Western) C Contractor Licence No. 798

Address: Mobil Oil, Financial Bldg., Edmonton, Alta. Address: S&T 5825 - 95 Street, Edmonton

Responsible Agent in field: L. Leismeister

Dated at: Edmonton, this 24 Day of August 19 71

Signed by: [signature] Company: Mobil Oil Canada, Ltd.

Title: Engineering Supervisor Operator's Exploratory Licence No. 1403

Note:—The District Conservation Engineer's office must be notified before work is commenced.

(For OIL AND MINERAL DIVISION use only)

APPROVAL

This application has been examined and proposed programme approved, subject to the following conditions:

Confirming oral approval given by Mr. G. E. Blue on the 7th April and 8th April 1971.

Dated August 27th, 19 71

[signature]
District Conservation Engineer

Forms to be submitted in triplicate to District Conservation Engineer, Department of Indian Affairs and Northern Development.

IAND 52-90-5 (7-71)

Voir au verso

Drilling Authority No. 463

Date Issued December 4, 1970

CANADA

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT

LAND 52-90 (2) (C-70) OIL AND MINERAL DIVISION

WELL COMPLETION DATA

To be submitted in duplicate within thirty days after the completion, rework, abandonment, recompletion or suspension of every well.

AUG 23 1971
OIL CONSERVATION
Northwest Territories

Well name and number Mobil Hume River L-09

Permit No. 4424 Lease No.

Mobil Oil Canada, Ltd. (Permittee, Licensee, Lessee) Exploratory Licence No. 1403

Mobil Oil Canada, Ltd. (Operator) Exploratory Licence No. 1403

Location: Unit L Section 09 Grid 65°30' N; 129°30' W

Latitude 65° 28' 31" N Longitude 129° 31' 32" W

Unique well identifier 300L096530129300

Universal Well Location Reference Lat. 65.47528°N., Long. 129.52556°W.

	DATE	DEPTH
Spudded	Dec.16/70	0
Suspended		
Resumed Operations		
Finished Drilling	Mar.30/71	8550' Dr. 8546' Log.
Deepened		
Complete (gas/oil)		
Abandoned	April 9/71	8550
Rig released	April 9/71	8550

Pool(s)

Interval(s) open to production

Elevation: Gr. 1050 K.B. 1067

Rig No. IE

Drilling Contractor S&T Drilling (Western) Co.

Contractor's Business Licence No. 798

CASING RECORD

Casing Size (Inches)	Grade	Weight	Amount	Set at —	Sacks of Cement and Additives
1. 13 3/8"	J-55	54.5 #/ft.	97'	97'KB	140 s x oilwell+3% CaC/2
2. 9 5/8"	J-55	32.0 #/ft.	754'	754'KB	460 s x oilwell+2½% CaC/2
3. 7"	J-55	20 #/ft. 23 #/ft.	5282'	5282'KB	200 s x oilwell
4.					
5.					
6.					

GEOLOGICAL TOPS	ELEVATION	
	Depths	Sub-Sea
Cretaceous	0	+ 1067
Imperial	2776	- 1709
Canol	4153	- 3086
Kee Scarp	4282	- 3215
Hare Indian	4325	- 3258
Hume	5150	- 4083
Gossage	6738	- 5671
Ronning	7715	- 6648

CORE RECORD

From	To	Rec.	From	To	Rec.
5373	5390	16.7			

LOG RECORD

Run No.	Type of Log	From	To
1	Induction - Electrical	5221	750
1	Sonic	5221	750
2	Induction-Electrical	8545	5278
2	Comp. Sonic c/w Gamma Ray - Caliper	8544	5278
1	Sidewall Neutron Por.	8544	5278
1	Formation Density	8544	5278
	Hi Res. Dipmeter	8544	5278
	Seismic Reference		
	Lithology Plot	8543	5278
	Directional Survey		

CEMENTING RECORD (Plug, Squeeze, etc.)

Date	From	To	Remarks
pril 2/71	8550	8120	Plug #1 90 sacks
pril 7/71	7638	7100	Plug #2 100 sacks
pril 7/71	5950	5450	Plug #3 125 sacks. Felt @ 4535', in drill pipe. Calculated @ 5650' in annulus.
pril 8/71	4524	4050	Plug #4 104 sacks. Felt @ 4100'
pril 9/71	Surface		Plug #5 5 sacks
	Cut off casing bowl. Weld on plate, riser and well name sign.		

PERFORATING RECORD (Bullet, Jet)

Date	From	To	Remarks
		None	

SERVICING RECORD (Acidizing, Fracing, etc.)

Date	From	To	Remarks
	NONE		

DRILL STEM TESTS

No.	Date	Formation	From	To	V.O. Mins.	I.S.I. Mins.	F.S.I. Mins.	I.S.I.B.H.P.	F.S.I.B.H.P.	I.F.B.H.P.	F.F.B.H.P.	I.H.P.	F.H.P.	REMARKS
1	1-4-71	Ronning	8550	8200	5	67	-	3211				4091	3917	Good blow. Died in 110 mins. Recovery: 490' drilling mud.
2	2-4-71	Ronning	8550	8196	120	-	-	-	-	378	1017	4101	3812	Weak blow. Recovery: 1806' salty water and 376' muddy water.
3	3-4-71	Ronning	8130	7870	-	-	-	-	-	-	-	-	-	Unable to recover test tools. Pumped out 1000' of muddy salt water (82000 PPM).
4	6-4-71	Ronning	7638	7623	90	-	-	-	-	-	-	-	-	Weak to fair blow. Recovery: 66' muddy salt water, 3800' clean salt water (91000 PPM); and 200' salt water with gas bubbles.
5	8-4-71	Hume	4524	4507	19 & 118	58	168	213	583	32	35	2230	2170	Weak blow - Recovery: 40' drilling mud.
							Field Pressures Shown							

ANALYSIS

Lab. No.	Sample	From	To	Source	Remarks
C71-3032	Water	8550	8196	DST #2	52810 PPM
C71-3044	Water	7870	8130	DST #3	79050 PPM
C71-3046-2	Water	7623		DST #4	109900 PPM
C71-3045-1	Water			DST #5	14200 PPM

PRESENT STATUS OF WELL

Oil ..... (Interval.)

Gas ..... (Interval.)

Dry And Abandoned

Susp. .....

Company Mobil Oil Canada, Ltd.

Signed by [signature]

Title Engineering Supervisor

Date August 24, 1971

Forms to be prepared in duplicate and forwarded to the Oil Conservation Engineer, Calgary, Alberta.

57-11-6-65

MOBIL HUME RIVER L-09
WELL HISTORY REPORT

1971

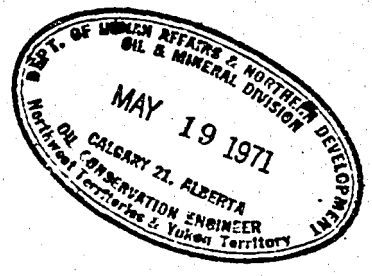
Oil Conservation Engineer
Department of Indian Affairs
and Northern Development
Oil and Mineral Division
112 - 11th. Ave. S. E.
Calgary 21, Alberta

WELL HISTORY REPORT

ON

MOBIL HUME RIVER L-09

65° 28' 31" N
129° 31' 32' W



Approved by: Copy (Original Signed) J. M. Stanford

Drilling and Production Engineering Supervisor

Date: 5/17/71

Edmonton, Alberta

C O N F I D E N T I A L

BY: B. W. Lange
T. J. Slot

I N D E X

SECTION I .....SUMMARY OF WELL DATA

SECTION II ....GEOLOGICAL SUMMARY

SECTION III .....ENGINEERING SUMMARY

SECTION IV .....LOGS

SECTION V .....ANALYSIS

SECTION VI .....COMPLETION SUMMARY

Appendix
Report on Directional Surveys

WELL HISTORY REPORT

SECTION I - SUMMARY OF WELL DATA

a.	Well Name:	Mobil Hume River L-09
b.	Permittee:	Mobil Oil Canada, Ltd.
c.	Operator:	Mobil Oil Canada, Ltd., Financial Building, Edmonton, Alberta
d.	Location:	Unit L, Section 09, Grid 65° 30'N 129° 30'W Latitude: 65° 28' 31" N Longitude: 129° 31' 32" W Unique Well Identifier 300-L096 530129300 Universal Well Location Lat. 65.47528°N Long. 129.52556°W
e.	Co-ordinates:	Not Development Well
f.	Permit Number:	4424
g.	Drilling Contractor:	S & T Drilling (Western) Co. Rig No. IE (Rotary)
h.	Drilling Authority:	463, Dec. 4, 1970
i.	Classification:	Exploratory Wildcat
j.	Elevations:	Ground: 1050' KB: 1067'
k.	Spudded:	0630 hrs. Dec. 16, 1970
l.	Completed Drilling:	0345 hrs. Mar. 30, 1971
m.	Total Depth:	8550 feet KB, Driller 8546 feet KB, Logger
n.	Well Status:	Dry and Abandoned
o.	Rig Released:	1600 hrs. April 9, 1971
p.	Hole Size:	17½" to 97' KB 12¼" to 754' KB 8 3/4" to 5296' KB 6¼" to 7686' KB 6 7/32" to 8550' KB
q.	Casing:	13 3/8" 54.5#/ft J-55 ST&C new @ 97'KB 9 5/8" 32 #/ft J-55 ST&C new @ 754'KB 7" 23#/ft " " " @ 2768'KB 7" 20#/ft " " " @ 4891'KB 7" 23#/ft " " " @ 5282'KB

SECTION II - GEOLOGICAL SUMMARY

a. Formation Tops

Formation Tops	E Log Tops	Sample Tops
Cretaceous		Surface
Imperial	2776	3140
Canol	4153	4160
Kee Scarp	4282	4282
Hare Indian	4325	4360
Hume	5150	5240
Gossage	6738	5680
Ronning	7715	7730

b. Cored Intervals

Core	Interval	Recovery	% Rec.	Formation
1	5373-5390	16.7	98%	Hume

c. Core Description and Coring Times

5373-5390: Limestone, dark brown grey, argillaceous, mainly microcrystalline, very fossiliferous (gastropods, corals, crinoids, ostracods.) The core approaches a breccia and has shaly intercallations. Calcite filled fractures. Few fractures are open, some widening to large calcite lined vugs. Some bituminous and carbonaceous material.

Times: 43,45, 48, 46, 48, 48, 38, 32, 30, 28, 29, 31, 34, 31, 32, 34.
Core analysis will follow on completion.

d. Sample Description

Will follow on completion.

e. Paleontological Determinations

None.

SECTION III - ENGINEERING SUMMARY

a. Report of Drill Stem Tests (Field Pressures Reported)

DST #1 8550-8200' Ronning Formation
Valve Open 3 to 5 minutes
Shut-in 110 minutes
Pressures IH 4091
ISI 3211
FH 3917
Good Initial Blow. Died in 110 minutes.
Recovery: 490 ft. drilling mud

...3

Notes: Unable to follow standard test procedure on account of very high torque required to turn the pipe in deviated hole. Tool was only open 3 to 5 minutes.

DST #2 8550-8196' Ronning Formation
Valve Open 120 minutes
No Shut-in
Pressures IF 378
IH 4101
FH 3812
FF 1017
Choke ½"
Weak air blow throughout test
Recovery: 1806' salty water
376' muddy water

Notes: Unable to turn tool at bottom of string to obtain shut-in pressures. Pulled tool loose after flow.

DST #3 7870-8130 Ronning Formation
Recovery: Pumped out 1000 feet of muddy salt water (82,100 PPM)

Notes: Tool stuck in hole. Unable to recover.

DST #4 7623-7638' Ronning Formation
Valve Open 90 minutes
No Shut-in

No pressure recorders run on test

Weak air blow increasing to fair air
Blow after 10 minutes
Recovery: 66' muddy salt water
3800' clean salt water
200' gas bubbles in clean salt water
(lease analysis 91,000 to 100,000 PPM)

DST #5 4509-5690' Hume Formation
Preflow 19 minutes
ISI 58 minutes
Valve Open 118 minutes
FSI 168 minutes
Pressures IF 32 psi
ISI 213 psi
FF 35 psi
FSI 583 psi

Weak air blow on preflow for 15 minutes.
Fair air blow on VO decreasing to nil in 10 minutes

Recovery: 40' of drilling mud

...4

b. Casing Record

1. Conductor Pipe

Ran 97' of 13 3/8" J-55, 54.5#/ft 8rd ST&C casing with sawtooth collar on bottom. Cemented with 140 sacks oilwell cement plus 3% $CaCl_2$ at a slurry weight of 15.2#/gal. Casing cemented and set on bottom at 1545 hrs. December 17, 1970. **Set @ 97'.**

2. Surface Casing

Ran 750' of 9 5/8", 32.6#/ft 8rd ST&C casing with Davis Float Shoe and float collar. Cemented with 460 sacks inland oilwell cement plus 2½% $CaCl_2$ at a slurry weight of 15.2#/gal. Plug down 2245 hrs. December 22/70. **Set @ 754'.**

3. Intermediate Casing

Ran 5282' of 7" J-55, 20 and 23#/ft 8rd, ST&C casing. Cemented with 200 sacks oilwell neat. Plug down February 20, 1971. **Set @ 5282'.**

c. Bit Record

No.	Make	Type	Size	Hours	Depth In	Depth Out	Footage	Cond. TBG	Remarks
1A	Smith	DTJ	12¼	8½	0	97	97		Reamed to 17½" to run 13 3/8" conductor
2A	Smith	DTJ	8 3/4	5 3/4	97	214	117	211	
2B		HO	12¼	4 3/4	214	220	6		Reamed 8 3/4 hole to 12¼
3A	Smith	DTJ	8 3/4	2½	220	274	54	111	
RR1A	Smith	DTJ	12¼	1½	274	274	0		Reamed 8 3/4 hole to 12¼
RR3A	Smith	DTJ	8 3/4	2¼	274	332	58	211	
RR1A	Smith	DTJ	12¼	1¼	332	332	0		Reamed
RR3A	Smith	DtJ	8 3/4	3¼	332	358	26		
RR1A	Smith	DTJ	12¼	2½	358	358	0		Reamed
RR3A	Smith	DTJ	8 3/4	2	358	376	18		
RR1A	Smith	DTJ	12¼	½	376	376	0		Reamed
4A	HW	XIG	8 3/4	20 3/4	376	1091	697	221	
RR2B		HO	12¼	5	1091	535			Reamed
RR1A	Smith	DTJ	12¼	4½	535	610			Reamed
5A		HO	12¼	8	610	750			Reamed
RR1A	Smith	DTJ	12¼	¼	750	754			Reamed to set 9 5/8 surf. cas.
1	HW	XIG	8 3/4	½	754	756			Drill out shoe-Plug back 1091 to 801
2	Chris		8 23/32	15½	756	890	89	Good	Controlled drilling with straight hole dynadrill

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No.	Make	Type	Size	Hours	Depth In	Depth Out	Footage	Cond. TBG	Remarks
3	HW	XIG	8 3/4	10 3/4	890	956	66	211	Ream & drill
RR2	Chris		8 23/32	2½	956	975	19	Good	
RR3	HW	XIG	8 3/4	11	975	975			Ream
RR3	HW	XIG	8 3/4	28	975	1044	69	Good	Drill w/dyna-drill
RR3	HW	XIG	8 3/4	16 3/4	1044	1086	42		Drill w/dyna-drill
RR1	HW	XIG	8 3/4	30	1086	1175	89	311	Drill w/ dyna-drill
4	Smith	DJ	8 3/4	6 3/4	1175	1216	41		Recommence rotary drilling
5	HW	XIG	8 3/4	31	1216	1315	99	311	Drill w/dyna-drill
6	HW	XIG	8 3/4	13	1315	1502	187	111	Recommence rotary drilling
RR6	HW	XIG	8 3/4	24¼	1502	1769	267	321	
7	Smith	SDT	8 3/4	10½	1769	2003	234	421	
8	Smith	4JS	8 3/4	40¼	2003	2278	275	211	
9	Smith	5JS	8 3/4	40½	2278	2555	277	111	
10	HW	J-44	8 3/4	13½	2555	2630	75	111	
RR9	Smith	5JS	8 3/4	13½	2630	2692	62	111	
11	Smith	SS-s	8 3/4	21	2692	2797	105	111	
12	HW	XVD	8 3/4	19½	2797	2917	170	531	
13	Smith	4JS	8 3/4	42¼	2917	3137	220	111	
RR#2	Chris		8 23/32	22	3137	3244	107	Good	Drill w/dyna-drill
RR12	HW	XDV	8 3/4	4	3244	3244	0		Ream
RR#2	Chris		8 23/32	20 3/4	3244	3337	93		Drill w/dyna-drill
RR#13	Smith	4JS	8 3/4	16½	3337	3492	155		Ream & drill
RR#10	HW	J-44	8 3/4	54¼	3492	3838	346	111	
14	HW	X55R	8 3/4	73	3838	4243	405	231	
15	HW	X55R	8 3/4	79 3/4	4243	4732	489	151	
RR10	HW	X55R	8 3/4	73	4732	5215	483	221	Add protecto magic 30M drag 2-6-71
16	HW	X55R	8 3/4	17	5215	5286	71	131	Raise viscosity to clean hole
RR12	HW	XDV	8 3/4	0	5286	5286	0		Cleaning hole 30-55 M drag
17	HW	XDV	8 3/4	0	5286	5286	0	361	Cleaning hole (300' of rough fill)
18	Smith	SL4H	8 3/4	4 3/4	5286	5296	10		Raise visc to 170 on2/12/71 Wait on reverse 2/15-17/71 Clean 400 Log 2/19/71-run 7" casing

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No.	Make	Type	Size	Hours	Depth In	Depth Out	Footage	Cond. TBG	Remarks
19	Smith	V2J	6¼	15½	5236	5368	72	231	Well kicked while out of hole at 1600 hrs. Feb. 22/71
20	Smith	SS-S	6¼	1	5368	5373	5	111	
21	Chris		6 3/8	14	5373	5390	17		
RR20	Smith	SS-S	6¼	29	5390	5541	151	231	
22	Chris		6¼	116	5541	6200	659		
23	Chris		6¼	56 3/4	6200	6561	361	Good	Start direction dynadrill run
23RR	Chris		6¼	103½	6561	6973	412	Good	Continue directional dynadrill runs
24	Smith	58-5	6¼	28 3/4	6973	7103	130	381	
25	Smith	SS-5	6¼	27½	7103	7232	129	281	
26	Smith	SS-5	6¼	14 3/4	7232	7299	67	111	
27	Smith	SS-5	6¼	25 3/4	7299	7437	138	281	
28	Smith	SS-5	6¼	26 3/4	7437	7573	136	281	
29	Smith	SS-5	6¼	24 3/4	7573	7686	113	371	
RR22	Chris		6 7/35	26¼	7686	7792	106	Good	
RR23	Chris		6 7/32	54	7792	8322	530	Good	Start str. hole dynadrill
RR23	Chris		6 7/32	31½	8322	8550	228	Good	Str. hole dynadrill

d. Mud Report

Total Materials Used:

Barites	66,500#
Gel	17,800#
Supercol	46,100#
Kelzan	4,150#
Caustic	6,100#
Plaster/lime	3,950#
Dowocide B	400#
CMC	150#
Unicac	3,650#
Peltex	3,350#
Sawdust	10 bags
Kwik Seal	1,360#
Hulls	1,050#
Protecto Magic	9,900#
Diesel	141 barrels
Bicarb of Soda	300#

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e. Deviation Record (Directional Surveys in Appendix)

Depth	Deviation
97	3/4
125	3/4
214	1½
274	1½
302	1 3/8
332	1½
358	1 3/4
376	2
394	2 5/8
494	2 3/4
545	2½
607	1 7/8
669	2½
729	2½
945	4
997	4½
1060	5 1/8
1091	5½
535	2 1/8
595	2½
659	2½
720	2½
750	3
800	3½
830	3½
845	3½

f. Abandonment Plugs

Plug #1 8550'-8120' - Cemented with 90 sacks cement plus. Polished off to 8120' with bit.
DST packer tools and tail pipe left in the hole
From the bottom up:
8120-7842 4" OD drill pipe
7842-7852 DST packer and tools
7832-7627 4 3/4" OD drill collars

Plug #2 7638'-7100' With 100 sacks oilwell cement displaced with 5 bbls. water and 78 bbls. mud.

Plug #3 5950'-5450' With 125 sacks Fondu-Flyash cement flash set resulting in 16 joints flexweight drill pipe and 34 joints of 4" OD drill pipe being left in the hole. Cement tagged in drill pipe at 4535'. Cement calculated to be at 5650' in annulus. Top of drill pipe in the hole is 4524' KB.

Plug #4 4524'-4050' Cemented with 104 sacks oilwell cement. Felt at 4100'KB.

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Plug #5	Surface - 5 sacks cement. Cut off casing bowl. Weld on plate, riser and well name sign.

g. Lost Circulation Zones

#1 Hume Formation

Lost approximately 75% circulation at 4279' KB over interval 4279 to 4283 before regaining complete circulation.

Began losing circulation again at 4286'KB. Lost 40 barrels over interval 4286 to 4325' KB. Used 10 bags of sawdust on regaining circulation.

#2 Hume Formation

Lost circulation at 5332' KB in the Hume formation. Lost 100 barrels while pumping 30 minutes at 5332' KB. Mixed and pumped 480# of KWIK seal and re-commenced drilling.. Lost an additional 25 barrels while drilllng from 5332 to 5347' KB.

h. Report of Blowout

Tripped for bit at 5368'. A well kick in the form of an increase of 50 barrels of mud in the pits was noted after all the pipe was out of the hole. Squeezed 200 barrels water, and 302 barrels of 10.1#/gal mud to kill the well. Ran in 685' of drill collars. Well started to flow. Circulation at 685' for one hour. Squeezed additional 190 barrels of 10.1#/gal mud. Ran drill pipe to bottom. Circulated out gas cut mud.

Mud weight at the time of kick 9.4#/gal.
Mud weight after kick controlled 9.9#/gal.

SECTION IV - LOGS

February 19, 1971	Run No. 1	Induction Electrical	522[illegible]-750'
	1	Sonic	5221-750'
March 30, 1971	Run No. 2	Induction Electrical	8545-5278'
	2	Borehole compensated Sonic Log c/w Gamma Ray - Caliper	8544-5278'
	1	Sidewall Neutron Porosity	8544-5278
	1	Compensated Formation Density Log	8544-527G
	1	Seismic/reference service	
	1	High resolution dipmeter	8544-5278

SECTION V - ANALYSIS

a. Core Analysis

To be submitted on completion.

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b. Water Analysis (4 Samples)

c. Gas Analysis

None

d. Oil Analysis

None

SECTION VI - COMPLETION SUMMARY

a. Tubing Record

None

b. Perforation Record

None

c. Cementation Record

Plug #1 April 2, 1971

8550'-8120' - Cemented with 90 sacks cement plus. Polished off to 8120' with bit.
DST packer tools and tail pipe left in the hole.
From the bottom up:
8120-7842 4" OD drill pipe
7842-7852 DST packer and tools
7832-7627 4 3/4" OD drill collars

Plug #2 April 7, 1971

7638'-7100' - With 100 sacks oilwell cement .

Plug #3 April 7, 1971

5950'-5450' - With 125 sacks Fondu-Flyash cement flash set resulting in 16 joints flexweight drill pipe and 34 joints of 4" OD drill pipe being left in the hole. Cement tagged in drill pipe at 4535'. Cement calculated to be at 5650' in annulus. Top of drill pipe in the hole is 4524' KB.

Plug #4 April 8, 1971

4524'-4050' - Cemented with 104 sacks oilwell cement. Felt at 4100' KB.

Plug #5 April 9, 1971

Surface - 5 sacks cement.

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d. Acidization and Fracturing Record

None

e. Back Pressure and Production Tests

None

APPENDIX

DIRECTIONAL DRILLING

DATE APRIL 5, 1971

COMPANY MOBIL OIL CANADA LIMITED

WELL MOBIL HUME RIVER L-05

FIELD WILDCAT

LOCATION

COUNTY NORTH WEST TERROTORIES

STATE CANADA

MAGNETIC DECLINATION 38° East

HOMCO SERVICES

A DIVISION OF

BLACK, SIVALLS & BRYSON, INC.

FISHING TOOLS — DIRECTIONAL DRLG. — WIRELINE SERVICES

BLACK, SIVALLS & BRYSON LIMITED

HOMCO SERVICES DIVISION
5720 97 STREET, EDMONTON, ALBERTA

DIRECTIONAL DRILLING

COMPANY: MOBIL OIL CANADA LIMITED
WELL NO.: Mobil Hume River L-09 LOCATION:

DATE: April 5, 1971
PAGE: 1 OF 5

	MEASURED DEPTH	COURSE LENGTH	DRIFT ANGLE	TRUE VERTICAL DEPTH	COURSE DEVIATION	DIRECTION OF DEVIATION	TOTAL COORDINATES			
							NORTH	SOUTH	EAST	WEST
	750-Surface Hole Drift Accumulated									
				750.00		(N4W)	22.75			1.59
	850	100	3½	849.81	6.10	N6W	28.82			2.23
	943	93	3 3/4	942.61	6.08	N10W	34.81			3.28
	1036	93	3 3/4	1035.41	6.08	N8W	40.83			4.13
5	1129	93	3½	1128.24	5.68	N11W	46.41			5.21
	1222	93	3½	1221.07	5.68	N20W	51.75			7.15
	1315	93	3 3/4	1313.87	6.08	N21W	57.42			9.33
	1408	93	4¼	1406.61	6.89	N25W	63.67			12.25
	1501	93	4 3/4	1499.29	7.70	N24W	70.70			15.38
10	1594	93	5	1591.94	8.11	N22W	78.22			18.42
	1687	93	4 3/4	1684.62	7.70	N22W	85.36			21.30
	1780	93	5¼	1777.23	8.51	N19W	93.40			24.07
	1873	93	6½	1869.63	10.53	N21W	103.23			27.84
	1966	93	8¼	1961.67	13.34	N24W	115.42			33.27
15	2059	93	9½	2053.39	15.35	N22W	129.65			39.02
	2152	93	10 3/4	2144.76	17.35	N21W	145.85			45.24
	2232	80	12¼	2222.94	16.97	N18W	161.99			50.48
	2286	54	12½	2275.66	11.69	N14W	173.33			53.31
	2315	29	12½	2303.97	6.28	N13W	179.45			54.72
20	2347	32	13	2335.15	7.20	N14W	186.43			56.46
	2378	31	13	2365.36	6.97	N14W	193.19			58.14
	2440	62	13 3/4	2425.58	14.74	N17W	207.29			62.45
	2502	62	14½	2485.61	15.52	N12W	222.47			65.68
	2600	98	15 3/4	2579.93	26.60	N12W	248.49			70.99
25	2663	63	16	2640.49	17.37	N13W	265.42			74.90

BLACK, SIVALLS & BRYSON LIMITED

HOMCO SERVICES DIVISION
5720 97 STREET, EDMONTON, ALBERTA

DIRECTIONAL DRILLING

COMPANY: MOBIL OIL CANADA LIMITED
WELL NO.: Mobil Hume River L-09 LOCATION:

DATE: APRIL 5,1971
PAGE: 2 OF 5

	MEASURED DEPTH	COURSE LENGTH	DRIFT ANGLE	TRUE VERTICAL DEPTH	COURSE DEVIATION	DIRECTION OF DEVIATION	TOTAL COORDINATES			
							NORTH	SOUTH	EAST	WEST
	2725	62	16½	2700.01	17.35	N13W	282.33			78.80
	2817	92	16½	2788.33	25.74	N12W	307.51			84.15
	2880	63	17	2848.58	18.42	N10W	325.65			87.35
	2943	63	18	2908.50	19.47	N8W	344.93			90.06
30	3006	63	19	2968.07	20.51	N10W	365.13			93.62
	3074	68	19	3032.37	22.14	N12W	386.79			98.22
	3105	31	19	3061.68	10.09	N10W	396.73			99.97
	3126	21	19½	3081.48	7.01	N11W	403.61			101.31
	3181	55	19¼	3133.40	18.13	N	421.74			101.31
35	3212	31	20	3162.53	10.60	N	432.34			101.31
	3242	30	20¼	3190.68	10.38	N4E	442.70			100.59
	3275	33	20	3221.69	11.29	N13E	453.70			98.05
	3305	30	18 3/4	3250.10	9.64	N12E	463.13			96.05
	3354	49	17½	3296.90	14.53	N5E	477.60			94.78
40	3385	31	17½	3326.51	9.19	N3E	486.78			94.30
	3458	73	18	3395.94	22.56	N	509.34			94.30
	3488	30	18¼	3424.39	9.52	N	518.86			94.30
	3515	27	18 3/4	3449.96	8.68	N3W	527.53			94.75
	3580	65	20	3511.04	22.23	N	549.76			94.75
45	3632	52	21¼	3559.50	18.85	N	568.61			94.75
	3664	32	22½	3589.06	12.25	N	580.86			94.75
	3705	41	22 3/4	3626.87	15.86	N	596.72			94.75
	3736	31	23½	3655.30	12.36	N1W	609.08			94.97
	3797	61	24½	3710.92	25.05	N3W	634.09			96.28
50	3827	30	25 3/4	3737.94	13.03	N1W	647.12			96.51

BLACK, SIVALLS & BRYSON LIMITED

HOMCO SERVICES DIVISION
5720 97 STREET, EDMONTON, ALBERTA

DIRECTIONAL DRILLING

COMPANY: MOBIL OIL CANADA LIMITED
WELL NO.: Mobil Hume River L-09 LOCATION:

DATE: April 5,1971
PAGE: 3 OF 5

	MEASURED DEPTH	COURSE LENGTH	DRIFT ANGLE	TRUE VERTICAL DEPTH	COURSE DEVIATION	DIRECTION OF DEVIATION	TOTAL COORDINATES			
							NORTH	SOUTH	EAST	WEST
	2725	33	26	3767.60	14.47	N3W	661.57			97.27
	3923	63	26 3/4	3823.86	28.36	N1W	[illegible]9.92			97.77
	3955	32	27 3/4	3852.18	14.90	N4W	[illegible]4.78			98.81
	4017	62	28¼	3906.80	29.35	N3W	734.09			100.35
55	4080	63	28½	3962.17	30.06	N1W	764.14			100.88
	4142	62	28 3/4	4016.53	29.82	N3W	793.93			102.44
	4237	95	29	4099.62	46.06	N2W	839.96			104.05
	4330	93	28 3/4	4181.16	44.73	N2W	884.66			105.61
	4425	95	29¼	4264.05	46.42	N1W	931.07			105.42
60	4520	95	29½	4346.73	46.78	N	977.85			106.42
	4614	94	30	4428.14	47.00	N1W	1024.84			107.24
	4709	95	30¼	4510.20	47.86	N	107270			107.24
	4806	97	31 3/4	4592.68	51.04	N2E	1123.71			105.46
	4901	95	32	4673.24	50.34	N7E	1173.67			99.32
65	4995	94	32¼	4752.74	50.16	N13E	1222.55			88.03
	5089	94	32 3/4	4831.80	50.85	N13E	1272.10			76.59
	5183	94	31½	4911.95	49.11	N14E	1319.75			64.71
	5228	45	30	4950.92	22.50	N13E	1341.67			59.65
	5260	32	29	4978.91	15.51	N14E	1356.72			55.90
70	5403	143	26	5107.44	62.69	N11E	1418.26			43.94
	5528	125	26	5219.79	54.86	N11E	1472.11			33.47
	5624	96	28	5304.55	45.07	N7E	1516.84			27.98
	5718	94	28½	5387.16	44.86	N10E	1561.02			20.19
	5875	157	29½	5523.81	77.31	N12E	1636.64			4.12
75	6002	127	31½	5632.09	66.36	N15E	1700.74		13.05	

BLACK, SIVALLS & BRYSON LIMITED

HOMCO SERVICES DIVISION

5720 97 STREET, EDMONTON, ALBERTA

DIRECTIONAL DRILLING

COMPANY: MOBIL OIL CANADA LIMITED

WELL NO.: Mobil Hume River L-09 LOCATION:

DATE: April 5, 1971

PAGE: 4 OF 5

	MEASURED DEPTH	COURSE LENGTH	DRIFT ANGLE	TRUE VERTICAL DEPTH	COURSE DEVIATION	DIRECTION OF DEVIATION	TOTAL COORDINATES			
							NORTH	SOUTH	EAST	WEST
	6034	32	32	5659.23	16.96	N17E	1716.96		18.01	
	6096	62	32	5711.81	32.85	N17E	1748.37		27.62	
	6159	63	32	5765.23	33.38	N19E	1779.93		38.49	
	6190	31	32	5791.52	16.43	N21E	1795.27		44.38	
80	6246	56	31½	5839.27	29.26	N22E	1822.40		54.97	
	6277	31	31	5865.84	15.97	N24E	1836.99		61.47	
	6309	32	31	5893.27	16.48	N22E	1852.27		67.64	
	6340	31	32½	5919.42	16.66	N20E	1867.93		73.34	
	6365	25	32	5940.62	13.75	N21E	1880.30		78.09	
85	6403	38	30½	5973.53	19.00	N23E	1897.79		85.51	
	6434	31	29½	6000.51	15.26	N26E	1911.51		92.20	
	6465	31	27 3/4	6027.95	14.43	N28E	1924.25		98.97	
	6496	31	26 3/4	6055.63	13.95	N31E	1936.21		106.15	
	6526	30	27	6082.36	13.62	N33E	1947.63		113.57	
90	6558	32	27¼	6110.81	14.65	N35E	1959.64		121.97	
	6590	32	26¼	6139.51	14.15	N37E	1970.94		130.49	
	6622	32	25 3/4	6168.33	13.90	N41E	1981.43		139.61	
	6654	32	25	6197.56	13.01	N43E	1990.95		148.48	
	6685	31	24 3/4	6225.71	12.98	N46E	1999.97		157.82	
95	6717	32	24	6254.94	13.01	N48E	2008.68		167.49	
	6749	32	23½	6284.29	12.76	N51E	2016.71		177.41	
	6781	32	23½	6313.64	12.76	N54E	2024.21		187.73	
	6812	31	23¼	6342.12	12.24	N58E	2030.70		198.11	
	6844	32	23	6371.58	12.50	N60E	2036.95		208.94	
100	6875	31	23	6400.12	12.11	N63E	2042.45		219.73	

BLACK, SIVALLS & BRYSON LIMITED

HOMCO SERVICES DIVISION
5720 97 STREET, EDMONTON, ALBERTA

DIRECTIONAL DRILLING

COMPANY: MOBIL OIL CANADA LIMITED

DATE: April 5, 1971

WELL NO.: Mobil Hume River L-09 LOCATION:

PAGE: 5 OF 5

	MEASURED DEPTH	COURSE LENGTH	DRIFT ANGLE	TRUE VERTICAL DEPTH	COURSE DEVIATION	DIRECTION OF DEVIATION	TOTAL COORDINATES			
							NORTH	SOUTH	EAST	WEST
	6905	30	22	6427.94	11.24	N66E	2047.02		230.00	
	6936	31	22¼	6456.63	11.74	N69E	2051.23		240.96	
	6975	39	21½	6492.92	14.29	N75E	2054.93		254.76	
	7008	33	21½	6523.62	12.09	N78E	2057.44		266.59	
105	7071	63	20½	6582.63	22.06	N79E	2061.65		288.24	
	7103	32	20	6612.70	10.94	N77E	2064.11		298.90	
	7167	64	19½	6673.12	21.10	N79E	2068.14		319.61	
	7229	62	19 3/4	6731.47	20.95	N79E	2072.14		340.17	
	7292	63	19	6791.04	20.51	N81E	2075.35		360.43	
110	7355	63	18	6850.96	19.47	N81E	2078.40		379.66	
	7418	63	17½	6911.04	18.94	N83E	2080.71		398.46	
	7482	64	16 3/4	6972.32	18.44	N84E	2082.64		416.80	
	7545	63	15½	7033.03	16.84	N80E	2085.56		433.38	
	7608	63	14 3/4	7093.95	16.04	N81E	2088.07		449.22	
115	7672	64	14	7156.05	15.48	N81E	2090.49		464.51	
	7730	58	14	7212.33	14.03	N81E	2092.68		478.37	
	7810	80	13	7290.28	18.00	N83E	2094.87		496.24	
	7904	94	12	7382.23	19.54	N86E	2096.23		515.73	
	7998	94	10½	7474.73	16.73	N88E	2096.81		532.45	
120	8155	157	8 3/4	7629.91	23.88	E	2096.81		556.33	
	8280	125	7 3/4	7753.77	16.86	S77E	2093.02		572.76	
	8400	120	6 3/4	7872.94	14.10	S68E	2087.74		585.83	
	8520	120	7	7992.04	14.63	S65E	2081.56		599.09	
*124	8550	30	7	8021.82	3.66	S65E	2080.01		602.41	

* Interpolated

Closure N 16° 9' E 2165.46 Ft.

CHEMICAL & GEOLOGICAL LABORATORIES LTD.

WATER ANALYSIS

Lab No. C71-3045-1

Received: Apr.12,1971 Reported: April 16,1971 Well: Location: Mobil Hume River L-9 65°28'31"N - 129°31'32"W

Operator: MOBIL OIL CANADA, LTD. Field or Area:

Elev.: K.B. Grd. Zone/Formation: Hume Sample Interval: 4509' - 5690'

Method of Production: D.S.T. #5 Sampled from: Top of Tool Sampled by: Date: April 8,1971

OTHER PERTINENT DATA

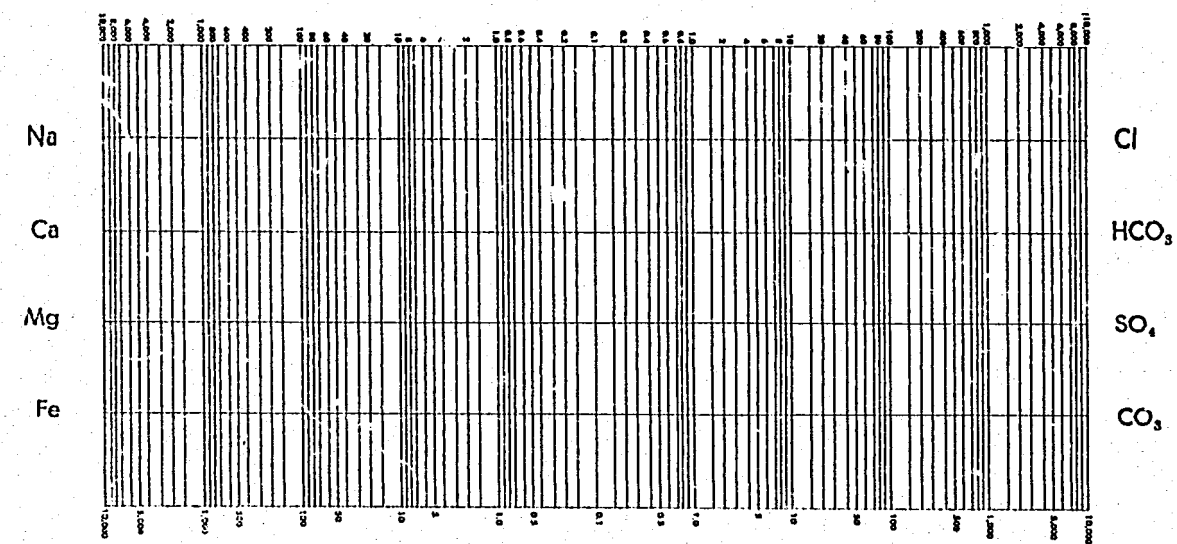
(Signed)

	Na	K	Ca	Mg					SO_4	Cl			CO_3	HCO_3		
Mg./L										1110						
Meq./L										31.30						
Meq. %																

Total Solids Mg/L: By Evaporation 14,200 Fe Trace Specific Gravity @60°F Observed pH 11.3 @ 74 °F

Calculated After Ignition 9,420 H_2S Nil Refractive Index @25°C Resistivity 0.760 ohm meters @ 68 °F

Pattern Unit Meq./L



Remarks and Conclusions

The sample as received, was a sloppy mud. The filtrate was red-brown in color. Much organic matter was present in the evaporated solids.

LABORATORY NUMBER	SAMPLED FROM	RESISTIVITY (OHM-meters at 68°F)
C71-3045-2	Sampler	0.764

CHEMICAL & GEOLOGICAL LABORATORIES LTD.

WATER ANALYSIS

Lab No. C71-3046-2

Received: Apr.12,1971 *Reported:* April 16,1971 *Well Location:* Mobil Hume River L-9 65°28'31"N - 129°31'32"W

Operator: MOBIL OIL CANADA, LTD. Field or Area:

Elev.: K.B. Grd. Zone/Formation: *Sample Interval:* 7623' - 7864'

Method of Production: D.S.T. #4 *Sampled from:* Top of Tool *Sampled by:* Date: April 7,1971

OTHER PERTINENT DATA

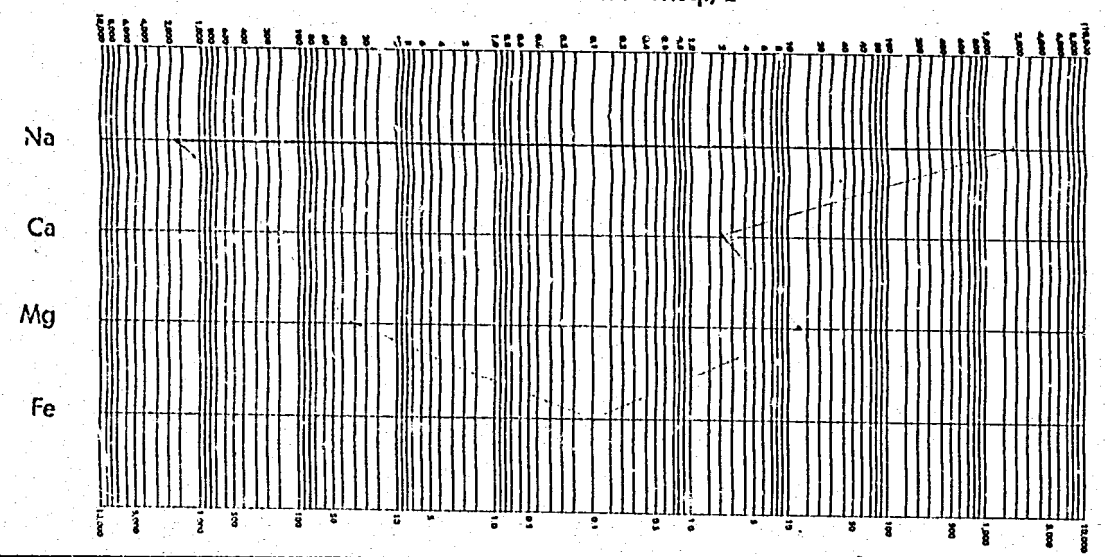
(Signed)

	Na & K		Ca	Mg					SO_4	Cl			CO_3	HCO_3		
Mg./L	37,900		4,000	390					600	66,200				130		
Meq./L	1649.79		199.60	32.06					12.48	1866.84				2.13		
Meq. %	43.84		5.30	0.86					0.33	49.61				0.06		

Total Solids Mg/L: By Evaporation 109,900 Fe Trace Specific Gravity 1.076 @60°F Observed pH 7.0 @ 74 °F

Calculated 109,220 After Ignition 104,400 H_2S Nil Refractive Index 1.3512 @25°C Resistivity 0.081 ohm meters @ 68 °F

Pattern Unit Meq./L



Remarks and Conclusions

The sample as received, contained a trace of sediment. The filtrate was pale yellow in color.

LABORATORY NUMBER	SAMPLED FROM	RESISTIVITY (OHM-meters at 68°F)
C71-3046-1	Top	0.15

CHEMICAL & GEOLOGICAL LABORATORIES LTD.

WATER ANALYSIS

Lab No. C71-3044

Received: Apr.12,1971 Reported: April 16,1971

Well: Location: Mobil Hume River L-9 65°28'31"N - 129°31'32"W

Operator: MOBIL OIL CANADA, LTD.

Field or Area:

Elev.: K.B. Grd. Zone/Formation:

Sample Interval: 7970' - 8130'

Method of Production: D.S.T. #3

Sampled from: Last of recovery (Pumped out)

Sampled by:

Date: April 4,1971

OTHER PERTINENT DATA

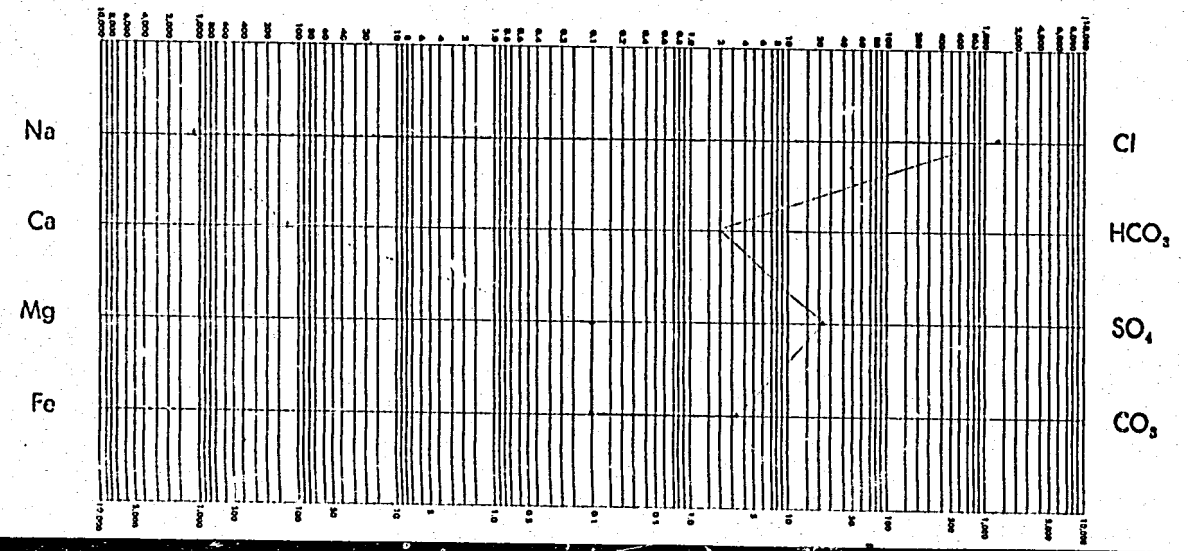
(Signed)

	Na & K		Ca	Mg					SO_4	Cl			CO_3	HCO_3		
Mg./L	27,600		2,800	Trace					1,130	46,500			100	120		
Meq./L	1200.38		139.72	Trace					23.50	1311.30			3.33	1.97		
Meq. %	44.79		5.21						0.88	48.93			0.12	0.07		

Total Solids Mg/L: By Evaporation 79,050 Fe Trace Specific Gravity 1.055 @60°F Observed pH 9.5 @ 74 °F

Calculated 78,250 After Ignition 76,100 H_2S Nil Refractive Index 1.3462 @25°C Resistivity 0.10 ohm meters @ 68 °F

Pattern Unit Meq./L



Remarks and Conclusions

The sample as received, was a sloppy mud. The filtrate was yellow-brown in color.

CHEMICAL & GEOLOGICAL LABORATORIES LTD. WATER ANALYSIS Lab No. C71-3032

Received: April 6,1971 Reported: April 12,1971 Well: Location: Mobil Hume River L-9 65°28'31"N - 129°31'32"W

Operator: MOBIL OIL CANADA, LTD. Field or Area:

Elev.: K.B. Grd. Zone/Formation: Ronning Sample Interval: 8550' - 8196'

Method of Production: D.S.T. #2 Sampled from: Top Sampled by: Date: April 2, 1971

OTHER PERTINENT DATA

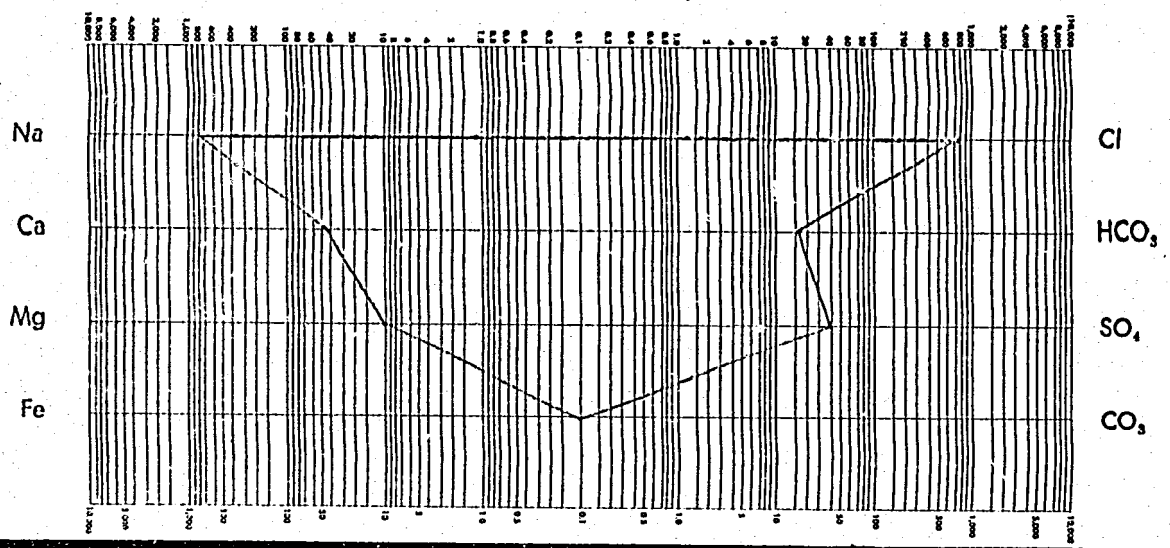
(Signed)

	Na & K		Ca	Mg					SO_4	Cl			CO_3	HCO_3		
Mg./L	18,000		900	130					1890	27,800				960		
Meq./L	783.41		44.91	10.69					39.31	783.96				15.74		
Meq. %	46.68		2.68	0.64					2.34	46.72				0.94		

Total Solids Mg/L: By Evaporation 52,810 Fe Much Specific Gravity 1.038 @60°F Observed pH 7.2 @ 72 °F

Calculated 49,680 After Ignition 49,150 H_2S Nil Refractive Index 1.3418 @25°C Resistivity 0.16 ohm meters @ 68 °F

Pattern Unit Meq./L



Remarks and Conclusions

The sample as received, contained a small percentage of sediment. The filtrate was red-brown in color. Much organic matter was present in the evaporated solids.

BJ SERVICE DIVI

BORG-WARNER (CANADA)

BJ BORG WARNER

TESTING REPORT

DRILL-STEM TEST DATA

Well Name MOBIL HUME RIVER

Well Number L-09

Company MOBIL OIL CANADA LTD.

Comp. Rep. D. MOORE

Tester JOHN HOWARD

Test No. 1

Zone Tested RONNING

Interval 8200 - 8550

Date APRIL 1, 1971

Type of Test: DUAL BOTTOM HOLE

R F S Tool No.

Preflow 5 mins. ISI 67 mins. Flow mins. FSI mins.

	I REC. No. 2843 RANGE 24 HR. CLOCK	B REC. No. 2010 RANGE 24 HR. CLOCK	REC. No. RANGE HR. CLOCK
DEPTH	8183.25	8229	
Initial Hydro Mud Press	4091	4136	
Initial Shut-In Press	3211	3248	
Initial Flow Press			
Final Flow Press			
Final Shut-In Press			
Final Hydro Mud Press	3917	3960	

Mud Drop NIL
Viscosity 68
Top Packer Depth 8194.00
Drill Pipe Size 4"
Surface Choke Size
Anchor Size 4.75 OD
Cushion Amount

Fluid Loss 8.8
Temperature °F 190
Bottom Packer Depth 8200.00
Wt. 13.6
Drill Collar I.D. 1.875
Bottom Choke Size 0.5
Rat Hole Size
Type

Mud Weight 10.5
Net Pay Tested 300 EST.
Total Depth 8550.00
Ft. Run 474
Main Hole Size 6.25
Feet of Rat Hole
Rubber Size 5.5

Fluid Recovery Total Feet 490

Recovered 490 Feet of DRILLING MUD
Recovered Feet of
Recovered Feet of
Recovered Feet of
Recovered Feet of

Gas Recovery How Measured Riser size:

mins.	Temp. °F	Press Rdg.	psi	Orifice Size	=	MCF/Day
mins.	Temp. °F	Press Rdg.	psi	Orifice Size	=	MCF/Day
mins.	Temp. °F	Press Rdg.	psi	Orifice Size	=	MCF/Day
mins.	Temp. °F	Press Rdg.	psi	Orifice Size	=	MCF/Day
mins.	Temp. °F	Press Rdg.	psi	Orifice Size	=	MCF/Day
mins.	Temp. °F	Press Rdg.	psi	Orifice Size	=	MCF/Day

Bleed Off Time for Drill Pipe

REMARKS: FAIR INITIAL AIRBLOW. DUE TO CROOKED HOLE CONDITIONS WE COULD NOT OBTAIN EITHER INITIAL OR FINAL SHUT IN.
TOOL WAS OPEN FOR 80 MINS. AIRBLOW DIED AFTER 55 MINS.

A Core Lab Gas Cont. No.

Chem - Geo. Lab Gas Cont. No.

BJ
BORG WARNER

TESTING REPORT

	4S LANDING SUB	
	4S CHAMBER	
	4S TOOL OR P.O. SUB	1.00
	CO SUB	
	SHUT IN TOOL	5.20
	R.F.S. No.	3.30
	R.F.S. No.	3.30
	HYDRAULIC TOOL	7.20
	JARS Johnston	7.72
	RECORDER No. 5.00 DEPTH 8183	
	RECORDER No. DEPTH	
	SAFETY JOINT	1.75
	BY PASS SUB	
1. PACKER DEPTH 8194	PACKER	6.00
	PACKER	5.00
2. PACKER DEPTH 8200	ANCHOR—SPECIFY	1.00
	PERFS	27.00
	BLANK OFF OR BY PASS SUB	
	RECORDER No. DEPTH	
3. PACKER DEPTH	PACKER	
4. PACKER DEPTH	PACKER	
	ANCHOR—SPECIFY	
	RECORDER No 1.00 DEPTH 8229	
	Drill Collar	315.00
	PERFS	3.00
TOTAL DEPTH 8550	BULLNOSE	3.00

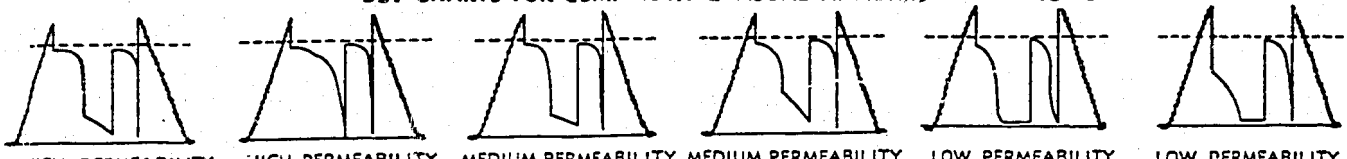
TOTAL TOOL ABOVE INTERVAL 45.47

TOTAL INTERVAL 350.00

TOTAL TAIL PIPE 350.00

TOTAL TEST TOOL 80.47

DST CHARTS FOR COMPARATIVE VISUAL ANALYSIS



HIGH PERMEABILITY STRONG DAMAGE EFFECT | HIGH PERMEABILITY NO DAMAGE EFFECT | MEDIUM PERMEABILITY STRONG DAMAGE EFFECT | MEDIUM PERMEABILITY NO DAMAGE EFFECT | LOW PERMEABILITY STRONG DAMAGE EFFECT | LOW PERMEABILITY NO DAMAGE EFFECT

WELL NAME MOBIL HUME RIVER DST. NO. 1

LOCATION L-09 REC. NO. 2843 DEPTH 8183.

MEASURED PRESSURES

	POINT NUMBER	TIME MIN	PRESSURE PSIG
RUN IN HOLE	1	0.0	0.0
	2	148.0	4090.9
INITIAL HYDRO PRESSURE	3	185.0	4090.9
INITIAL PREFLOW PRESSURE	4	185.0	507.6
FINAL PREFLOW PRESSURE	5	190.0	363.9
START INITIAL SHUT IN	6	190.0	363.9
	7	195.0	3036.7
	8	200.0	3094.2
	9	205.0	3126.2
	10	210.0	3147.0
	11	215.0	3166.1
	12	220.0	3166.1
	13	225.0	3186.9
	14	230.0	3193.3
	15	235.0	3196.5
	16	240.0	3201.3
	17	245.0	3204.5
	18	250.0	3207.7
	19	255.0	3210.9
INITIAL SHUT IN PRESSURE	20	257.0	3210.9
RUN OUT OF HOLE	21	257.0	3210.9
FINAL HYDRO PRESSURE	22	258.0	3916.9
	23	267.0	3916.9
OUT OF HOLE	24	603.0	0.0

WELL NAME MOBIL HUME RIVER DST. NO. 1

LOCATION L-09 REC. NO. 2843 DEPTH 8183.

CALCULATIONS FOR LIQUID RECOVERY (FIRST SHUT-IN)

(A) EXTRAPOLATED RESERVOIR PRESSURE	3240.8
NO. OF POINTS CONSIDERED IN BUILD-UP	14
NO. OF POINTS USED IN EXTRAPOLATION	7
ROOT MEAN SQUARE DEVIATION OF BEST-FIT LINE (PSI)	0.31
EFFECTIVE PRODUCING TIME (MIN)	5.0
(B) IN SITU CAPACITY (KH - MD FT)	30.38
SLOPE OF BUILD-UP CURVE (PSI/CYCLE)	955.21
PRODUCING RATE (BBL/DAY)	576.00
FLUID VISCOSITY (CP)	0.310
FORMATION VOLUME FACTOR (RES BBL/ST BBL)	1.000
(C) EFFECTIVE PERMEABILITY (MD)	0.10
FORMATION THICKNESS	300.00
(D) PRODUCTIVITY INDEX (BBL/DAY/PSI)	0.20
FLOWING PRESSURE (PSIG)	363.9
(E) APPROXIMATE DRAINAGE RADIUS (FT)	7.8
TOTAL FLOWING TIME (MIN)	5.0
(F) ESTIMATED DAMAGE RATIO	1.02
RESERVOIR POROSITY (PERCENT)	5.00
TOTAL COMPRESSIBILITY (VOL/VOL/PSI X 10-6)	9.50
WELL-BORE RADIUS (IN)	3.13
CALCULATED SKIN FACTOR	0.36
(G) PRODUCTION WITH DAMAGE REMOVED (BBL/DAY)	588.6

WELL NAME MOBIL HUME RIVER DST. NO. 1

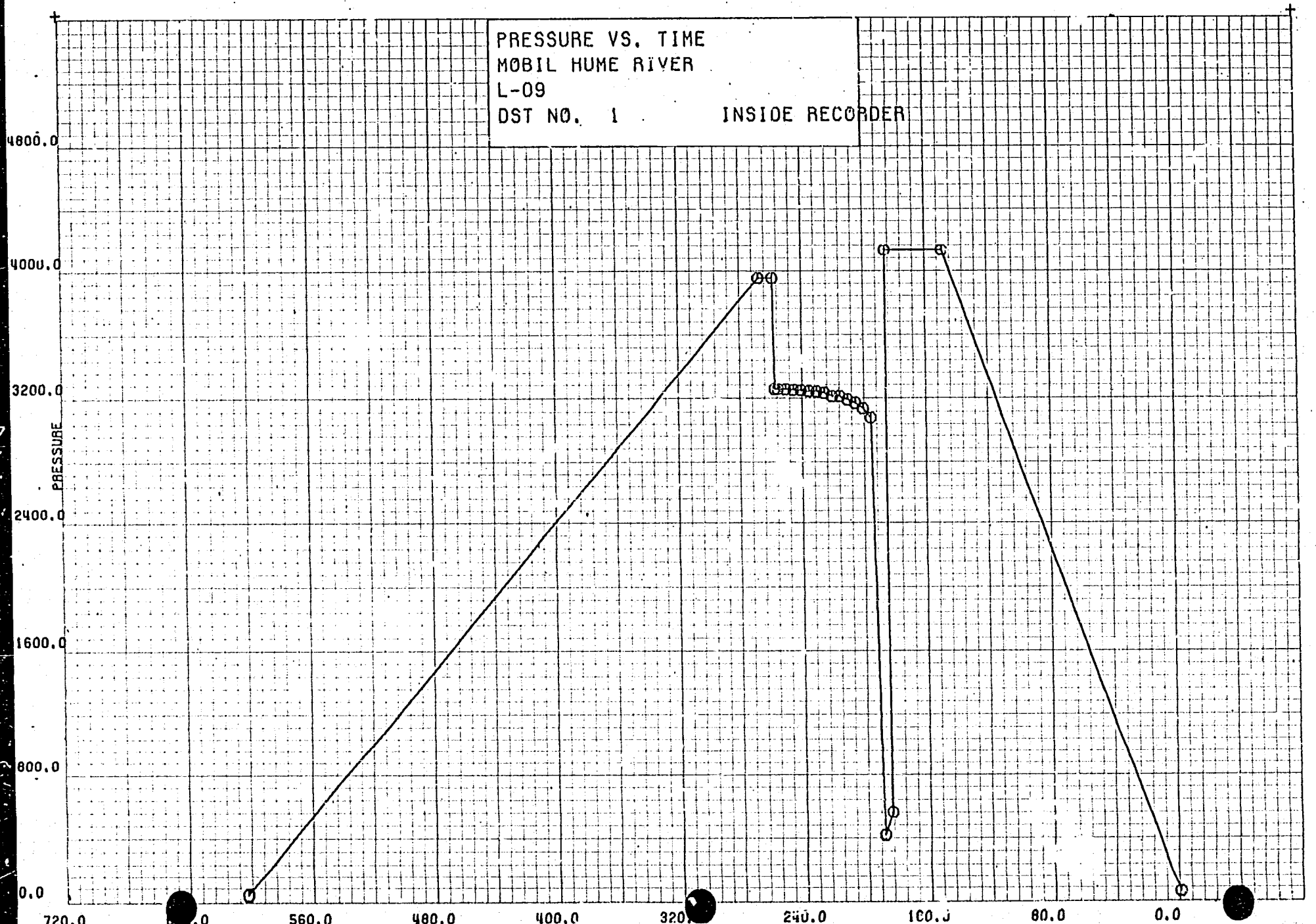
LOCATION L-09 REC. NO. 2843 DEPTH 8183.

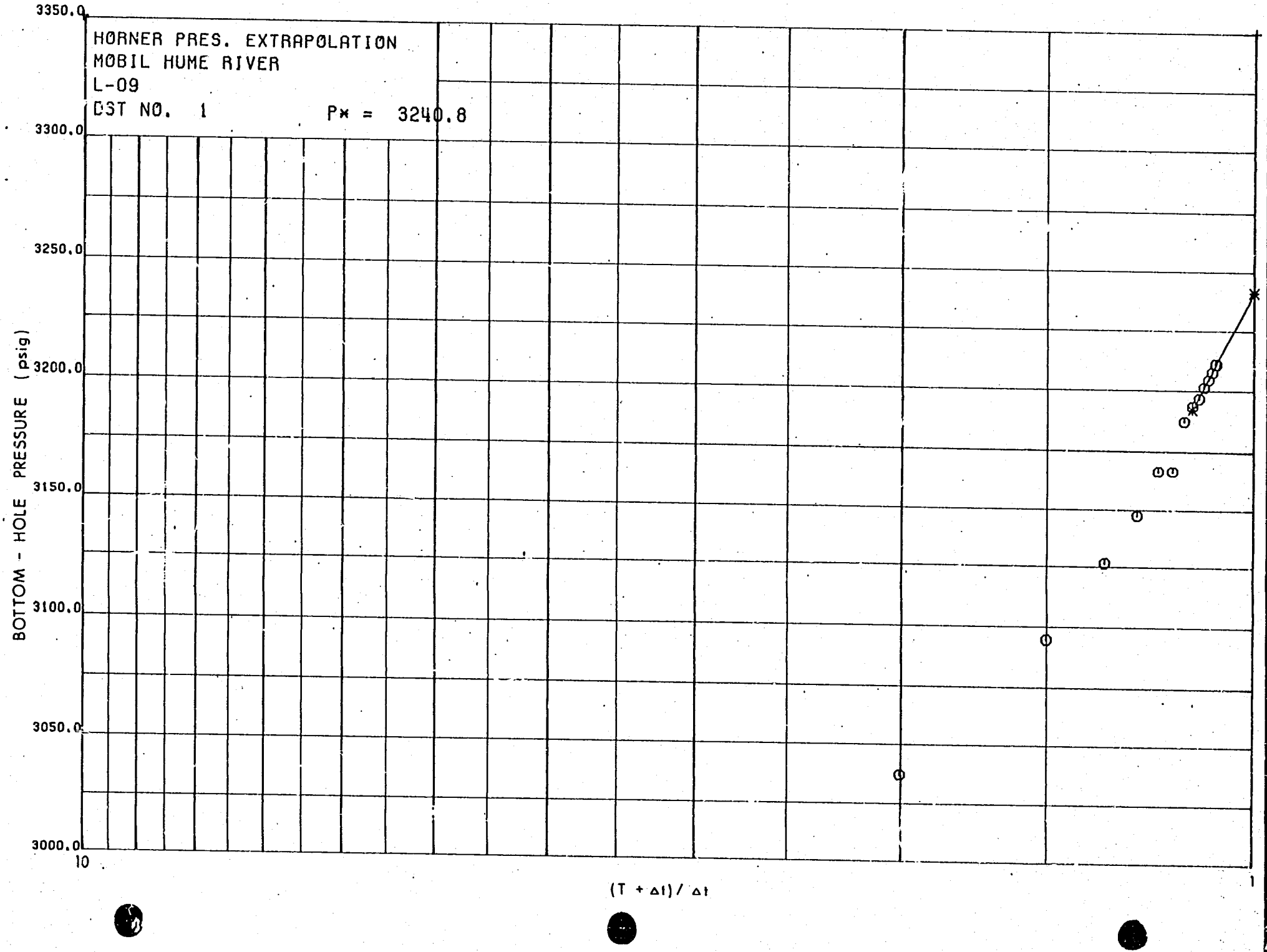
DATA FOR BUILD-UP PLOT (FIRST SHUT-IN)

POINT NUMBER	TIME MIN	PRESSURE PSIG	PRESSURE CALC FROM BEST FIT LINE	PRESSURE DIFFERENCE CALC - OBSERVED	T+DELTA(T)/ DELTA(T)
PORTION OF BUILD-UP CURVE NOT USED IN EXTRAPOLATION					
7	5.0	3036.7			2.00
8	10.0	3094.2			1.50
9	15.0	3126.2			1.33
10	20.0	3147.0			1.25
11	25.0	3166.1			1.20
12	30.0	3166.1			1.17
13	35.0	3186.9			1.14
POINTS USED IN EXTRAPOLATION					
14	40.0	3193.3	3191.9	-1.4	1.12
15	45.0	3196.5	3197.1	0.6	1.11
16	50.0	3201.3	3201.2	-0.1	1.10
17	55.0	3204.5	3204.7	0.2	1.09
18	60.0	3207.7	3207.6	-0.1	1.08
19	65.0	3210.9	3210.0	-0.8	1.08
20	67.0	3210.9	3210.9	0.0	1.07

ASSUMPTIONS AND LIMITATIONS

THE ENCLOSED DST INTERPRETATION CALCULATIONS REQUIRE SEVERAL NECESSARY ASSUMPTIONS TO PROVIDE A QUICK ESTIMATE OF MANY OF THE FACTORS INVOLVED. AS A RESULT THE INFORMATION GAINED SHOULD BE USED TO FORM AN OPINION OR ESTIMATE ONLY, UNTIL THE ASSUMPTIONS OF RESERVOIR AND FLUID PROPERTIES CAN BE WHOLLY OR PARTIALLY CLARIFIED BY MORE COMPLETE ANALYSIS AND TESTING.


PRESSURE VS. TIME
MOBIL HUME RIVER
L-09
DST NO. 1 INSIDE RECORDER
4800.0
4000.0
3200.0
2400.0
1600.0
800.0
0.0
PRESSURE
720.0
560.0
480.0
400.0
320.0
240.0
160.0
80.0
0.0
ELAPSED TIME (MINUTES)


HORNER PRES. EXTRAPOLATION
MOBIL HUME RIVER
L-09
DST NO. 1
P* = 3240.8
3350.0
3300.0
3250.0
3200.0
3150.0
3100.0
3050.0
3000.0
BOTTOM - HOLE PRESSURE (psig)
10
1
(T + Δt) / Δt

BJ SERVICE DIVI

BORG-WARNER (CANADA)

BJ BORG WARNER

TESTING REPORT

DRILL-STEM TEST DATA

Well Name MOBIL HUME RIVER

Test No. 2

Well Number L-09

Zone Tested RONNING

Company MOBIL OIL OF CANADA LTD.

Interval 8196 - 8550

Comp. Rep. D. MOORE Tester JOHN HOWARD Date APRIL 2, 1971

Type of Test DUAL BOTTOM HOLE RFS Tool No.

Preflow 120 mins. ISI mins. Flow mins. FSI mins.

	I REC. No. 2843	9 REC. No. 2010	REC. No.
	6300 RANGE 24 HR. CLOCK	8100 RANGE 24 HR. CLOCK	RANGE HR. CLOCK
DEPTH	8190	8230	
Initial Hydro Mud Press	4101	4126	
Initial Shut-In Press			
Initial Flow Press	378	273	
Final Flow Press	1017	1069	
Final Shut-In Press			
Final Hydro Mud Press	3812	3844	

Mud Drop NIL

Viscosity 70

Top Packer Depth 8190.00

Drill Pipe Size 4"

Surface Choke Size CLOSED

Anchor Size 4.75 OD

Cushion Amount

Fluid Loss 8.8

Temperature °F

Bottom Packer Depth 8196.00

Wt. 13.3 Drill Collar I.D. 1.875

Bottom Choke Size 0.5

Rat Hole Size

Type

Mud Weight 10.5

Net Pay Tested 300

Total Depth 8550.00

Ft. Run 474

Main Hole Size 6.25

Feet of Rat Hole

Rubber Size 5.5

Fluid Recovery Total Feet 2182

Recovered 410 Feet of DRILLING MUD

Recovered 1772 Feet of MUDDY SALT WATER - 117,000 P.P.M.

Recovered Feet of

Recovered Feet of

Recovered Feet of

Gas Recovery How Measured Riser size:

mins.	Temp. °F	Press Rdg.	psi	Orifice Size	=	MCF/Day
mins.	Temp. °F	Press Rdg.	psi	Orifice Size	=	MCF/Day
mins.	Temp. °F	Press Rdg.	psi	Orifice Size	=	MCF/Day
mins.	Temp. °F	Press Rdg.	psi	Orifice Size	=	MCF/Day
mins.	Temp. °F	Press Rdg.	psi	Orifice Size	=	MCF/Day
mins.	Temp. °F	Press Rdg.	psi	Orifice Size	=	MCF/Day

Bleed Off Time for Drill Pipe

REMARKS: WEAK AIR BLOW THROUGHOUT TEST. DUE TO BAD HOLE CONDITIONS NO ATTEMPT WAS MADE TO OBTAIN EITHER INITIAL AND FINAL SHUT-IN.

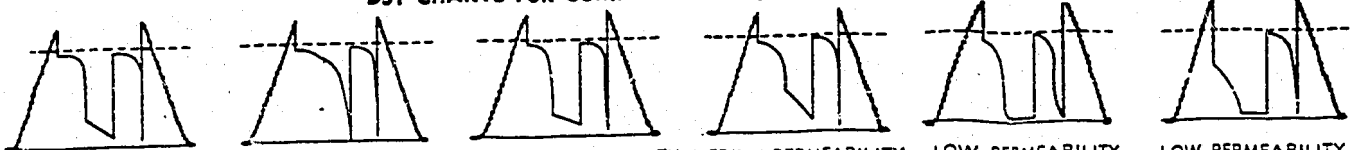
A Core Lab Gas Cont. No.

Chem - Geo. Lab Gas Cont. No.

BJ BORG WARNER

TESTING REPORT

	4S LANDING SUB	
	4S CHAMBER	
	4S TOOL OR P.O. SUB	1.00
	CO SUB	
	SHUT IN TOOL	5.20
	R.F.S. No.	
	R.F.S. No.	
	HYDRAULIC TOOL	7.20
	JARS Johnston	7.72
	RECORDER No.	5.00 DEPTH 8190
	RECORDER No.	DEPTH
	SAFETY JOINT	1.75
	BY PASS SUB	
1. PACKER DEPTH 8190	PACKER	6.00
	PACKER	5.00 — TOTAL TOOL ABOVE INTERVAL 38.87
2. PACKER DEPTH 8196	ANCHOR—SPECIFY	1.00
	PERFS	31.00
	BLANK OFF OR BY PASS SUB	
	RECORDER No.	DEPTH
		TOTAL INTERVAL 354.00
3. PACKER DEPTH	PACKER	
4. PACKER DEPTH	PACKER	
	ANCHOR—SPECIFY	
	RECORDER No	1.00 DEPTH 8230
	Drill Collars	315.00
	PERFS	3.00
TOTAL DEPTH 8550	BULLNOSE	3.00 — TOTAL TAIL PIPE 354.00
	DST CHARTS FOR COMPARATIVE VISUAL ANALYSIS	TOTAL TEST TOOL 77.87



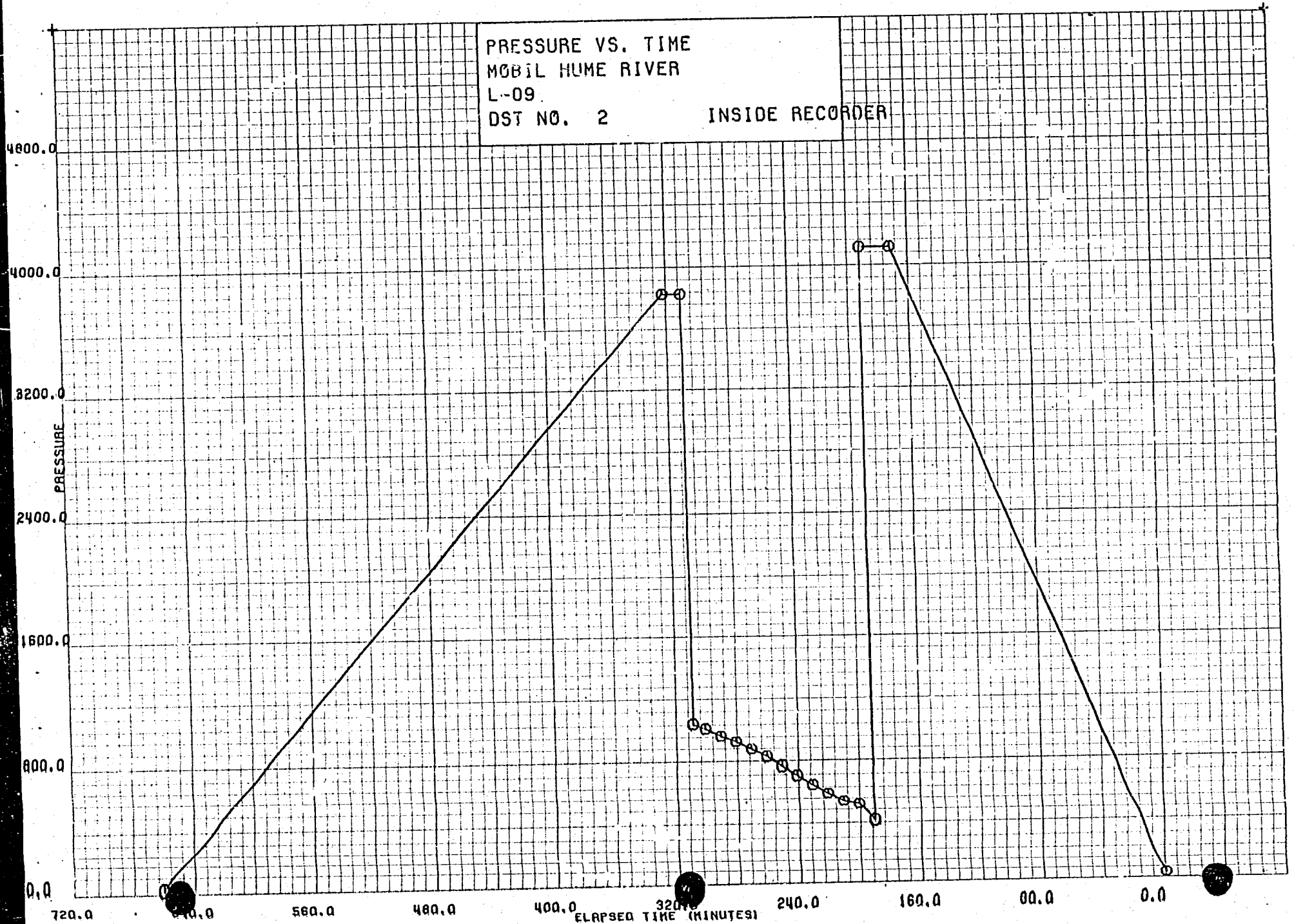
HIGH PERMEABILITY STRONG DAMAGE EFFECT | HIGH PERMEABILITY NO DAMAGE EFFECT | MEDIUM PERMEABILITY STRONG DAMAGE EFFECT | MEDIUM PERMEABILITY NO DAMAGE EFFECT | LOW PERMEABILITY STRONG DAMAGE EFFECT | LOW PERMEABILITY NO DAMAGE EFFECT

WELL NAME MOBIL HUME RIVER DST. NO. 2

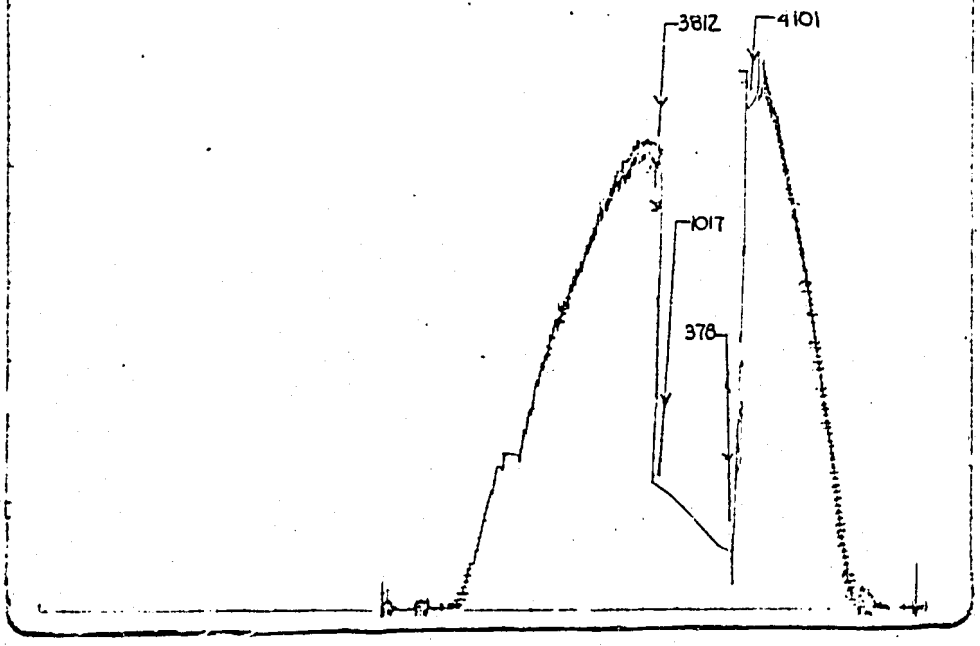
LOCATION L-09 REC. NO. 2843 DEPTH 8190.

MEASURED PRESSURES

	POINT NUMBER	TIME MIN	PRESSURE PSIG
RUN IN HOLE	1	0.0	0.0
	2	171.0	4100.6
INITIAL HYDRO PRESSURE	3	191.0	4100.6
INITIAL FLOW PRESSURE	4	191.0	377.7
	5	201.0	486.2
	6	211.0	507.6
	7	221.0	564.2
	8	231.0	623.9
	9	241.0	682.0
	10	251.0	738.5
	11	261.0	795.1
	12	271.0	845.6
	13	281.0	897.6
	14	291.0	937.3
	15	301.0	987.8
FINAL FLOW PRESSURE	16	309.0	1017.0
RUN OUT OF HOLE	17	309.0	1017.0
FINAL HYDRO PRESSURE	18	310.0	3811.5
	19	322.0	3811.5
OUT OF HOLE	20	661.0	0.0

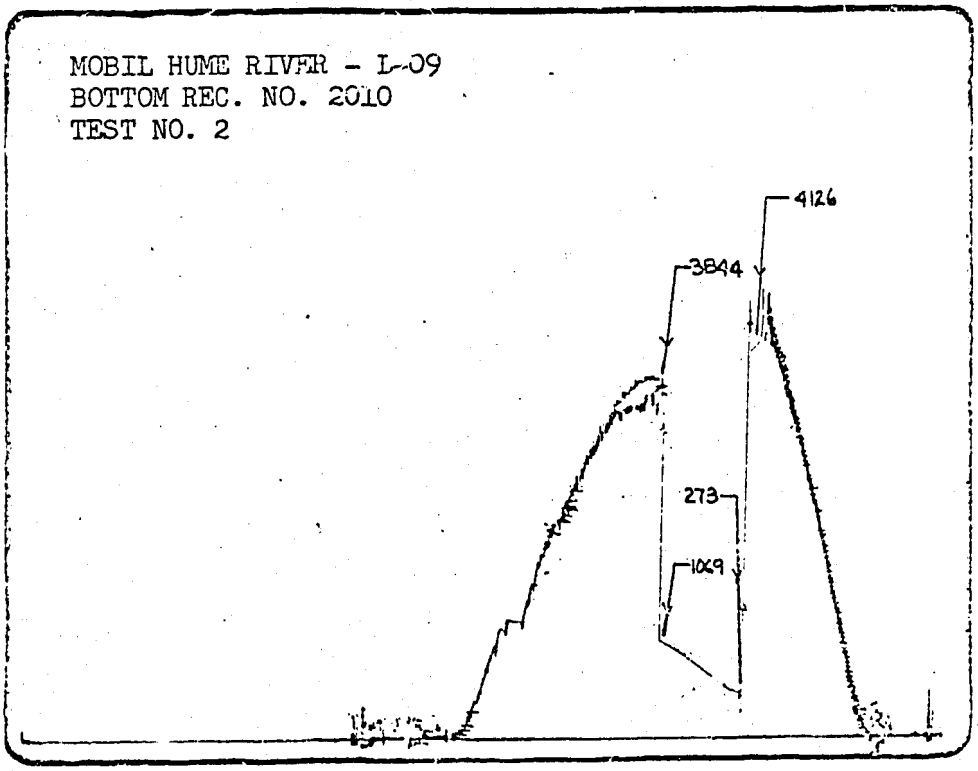

PRESSURE VS. TIME
MOBIL HUME RIVER
L-09
DST NO. 2
INSIDE RECORDER
4800.0
4000.0
3200.0
2400.0
1600.0
800.0
0.0
PRESSURE
720.0
640.0
560.0
480.0
400.0
320.0
240.0
160.0
80.0
0.0
ELAPSED TIME (MINUTES)

MOBIL HUME RIVER - L-09
INSIDE REC. NO. 2843
TEST NO. 2



DST RECORDER CHARTS

MOBIL HUME RIVER - L-09
BOTTOM REC. NO. 2010
TEST NO. 2



BJ SERVICE DIV

BORG-WARNER (CANADA)

B-J BORG WARNER

TESTING REPORT

DRILL-STEM TEST DATA

Well Name	MOBIL HUME RIVER	Test No.	3
Well Number	L - 09	Zone Tested	Ronning
Company	Mobil Oil of Canada Ltd.	Interval	7870 - 8130
Comp. Rep.	Ron Flewelling	Tester John Howard	Date April 3, 1971.

Type of Test Dual Bottom Hole R F S Tool No. Nil

Preflow 90 mins. ISI mins. Flow mins. FSI mins.

Specify Inside or Outside	Ins. REC. No. 2843	Bott. REC. No. 2010	REC. No.
	6300 RANGE 24 HR. CLOCK	8100 RANGE 24 HR. CLOCK	RANGE HR. CLOCK
DEPTH	7853	7894	
Initial Hydro Mud Press			
Initial Shut-In Press			
Initial Flow Press	Recorder Not Recovered		
Final Flow Press			
Final Shut-In Press			
Final Hydro Mud Press			

Mud Drop Nil Fluid Loss 8.8 Mud Weight 10.5
Viscosity 75 Temperature °F 185 Net Pay Tested
Top Packer Depth 7864 Bottom Packer Depth 7870 Total Depth 8130
Drill Pipe Size 4" Wt. 13.3 Drill Collar I.D. 1 7/8" Ft. Run 474
Surface Choke Size Closed Bottom Choke Size ½" Main Hole Size 6¼"
Anchor Size 4¾" O D Rat Hole Size Nil Feet of Rat Hole Nil
Cushion Amount Nil Type Nil Rubber Size 5½"

Fluid Recovery Total Feet 1000' By Reverse Circulation
Recovered 1000' Feet of Muddy Salt Water 89,000 p.p.m.
Recovered Feet of
Recovered Feet of
Recovered Feet of
Recovered Feet of

Gas Recovery How Measured Riser size:

mins.	Temp. °F	Press Rdg. psi	Orifice Size	=	MCF/Day
mins.	Temp. °F	Press Rdg. psi	Orifice Size	=	MCF/Day
mins.	Temp. °F	Press Rdg. psi	Orifice Size	=	MCF/Day
mins.	Temp. °F	Press Rdg. psi	Orifice Size	=	MCF/Day
mins.	Temp. °F	Press Rdg. psi	Orifice Size	=	MCF/Day
mins.	Temp. °F	Press Rdg. psi	Orifice Size	=	MCF/Day

Bleed Off Time for Drill Pipe

REMARKS: Good air blow throughout test. Due to bad hole conditions, no attempt was made to obtain either initial and final shut-in. Reset packers when fluid in annulus dropped. Packers held after reset. Tool was not recovered.

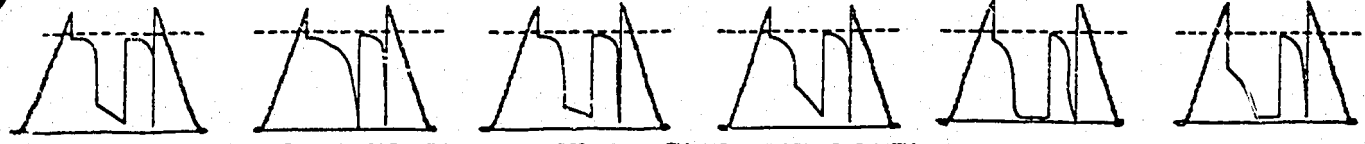
A Core Lab Gas Cont. No. Chem - Geo. Lab Gas Cont. No

Test No. 3

TESTING REPORT

	4S LANDING SUB	
	4S CHAMBER	
	4S TOOL OR P.O. SUB	1.00
	CO SUB	
	SHUT IN TOOL	5.20
	R.F.S. No.	
	R.F.S. No.	
	HYDRAULIC TOOL	7.20
	JARS Johnston	7.72
	RECORDER No. 5.00 DEPTH 7853.25	
	RECORDER No. DEPTH	
	SAFETY JOINT	1.75
	BY PASS SUB	
1. PACKER DEPTH 7864	PACKER	6.00
2. PACKER DEPTH 7870	PACKER	5.00
		1.00
	TOTAL TOOL ABOVE INTERVAL 38.87	
	ANCHOR—SPECIFY	
	Perfs.	22.00
	BLANK OFF OR BY PASS SUB	
	RECORDER No. DEPTH	
3. PACKER DEPTH	PACKER	
	TOTAL INTERVAL 260.00	
4. PACKER DEPTH	PACKER	
	ANCHOR—SPECIFY	
	RECORDER No 1.00 DEPTH 7894.00	
	Drill Collars	233.00
TOTAL DEPTH 8130.00	BULLNOSE	3.00
	TOTAL TAIL PIPE 260.00	
	TOTAL TEST TOOL 65.87	

DST CHARTS FOR COMPARATIVE VISUAL ANALYSIS



HIGH PERMEABILITY STRONG DAMAGE EFFECT | HIGH PERMEABILITY NO DAMAGE EFFECT | MEDIUM PERMEABILITY STRONG DAMAGE EFFECT | MEDIUM PERMEABILITY NO DAMAGE EFFECT | LOW PERMEABILITY STRONG DAMAGE EFFECT | LOW PERMEABILITY NO DAMAGE EFFECT

BJ SERVICE DIV

BORG-WARNER (CANADA)

BJ BORG WARNER

TESTING REPORT

DRILL-STEM TEST DATA

Well Name MOBIL HUME RIVER	Test No. 4
Well Number L-09	Zone Tested RONNING
Company MOBIL OIL OF CANADA LTD.	Interval 7623 - 7638
Comp. Rep. R. FLEWELLING Tester JOHN HOWARD	Date APRIL 6, 1971

Type of Test DUAL BOTTOM HOLE RFS Tool No.

Preflow 90 mins. ISI mins. Flow mins. FSI mins.

	I REC. No. 3687	REC. No.	REC. No.
	5750 RANGE 12 HR. CLOCK	RANGE HR. CLOCK	RANGE HR. CLOCK
DEPTH	7608		
Initial Hydro Mud Press	3706		
Initial Shut-In Press			
Initial Flow Press	277		
Final Flow Press	1770		
Final Shut-In Press			
Final Hydro Mud Press	3692		

Mud Drop NIL Fluid Loss 8.8 Mud Weight 10.4

Viscosity 75 Temperature °F Net Pay Tested 15

Top Packer Depth 7617 Bottom Packer Depth 7623 Total Depth 7638

Drill Pipe Size 4" Wt. 11.85 Drill Collar I.D. 1.875 Ft. Run 89

Surface Choke Size CLOSED Bottom Choke Size 0.5 Main Hole Size 6.25

Anchor Size 4.75 OD Rat Hole Size Feet of Rat Hole

Cushion Amount Type Rubber Size 5.5

Fluid Recovery Total Feet 4066

Recovered 66 Feet of MUDDY SALT WATER

Recovered 4000 Feet of SALT WATER

Recovered Feet of LAST 200' SLIGHTLY GASIFIED

Recovered Feet of

Recovered Feet of

Gas Recovery How Measured Riser size:

mins.	Temp. °F	Press Rdg.	psi	Orifice Size	=	MCF/Day
mins.	Temp. °F	Press Rdg.	psi	Orifice Size	=	MCF/Day
mins.	Temp. °F	Press Rdg.	psi	Orifice Size	=	MCF/Day
mins.	Temp. °F	Press Rdg.	psi	Orifice Size	=	MCF/Day
mins.	Temp. °F	Press Rdg.	psi	Orifice Size	=	MCF/Day
mins.	Temp. °F	Press Rdg.	psi	Orifice Size	=	MCF/Day

Bleed Off Time for Drill Pipe

REMARKS: FAIR AIRBLOW THROUGHOUT FLOW PERIOD . DUE TO BAD HOLE CONDITIONS NO ATTEMPT WAS MADE TO OBTAIN EITHER INITIAL AND FINAL SHUT-IN.

A Core Lab Gas Cont. No. Chem - Geo. Lab Gas Cont. No.

BJ
BORG WARNER

DST #4

TESTING REPORT

	4S LANDING SUB	
	4S CHAMBER	
	~~XXXXXXX~~P.O. SUB	1.00
	CO SUB	
	SHUT IN TOOL Suttlif	5.20
	R.F.S. No.	
	R.F.S. No.	
	HYDRAULIC TOOL	7.20
	JARS	6.40
	RECORDER No. 3687	5.00 DEPTH 7608.00
	RECORDER No.	DEPTH
	SAFETY JOINT	
	BY PASS SUB	
1. PACKER DEPTH 7617	PACKER	6.00
2. KER DEPTH 7623	PACKER	5.00
	ANCHOR—SPECIFY	1.00
	BLANK OFF OR BY PASS SUB	
	RECORDER No.	DEPTH
	PERFS	12.00
3. PACKER DEPTH	PACKER	
4. PACKER DEPTH	PACKER	
	ANCHOR—SPECIFY	
	RECORDER No	DEPTH
TOTAL DEPTH 7638	BULLNOSE	2.00

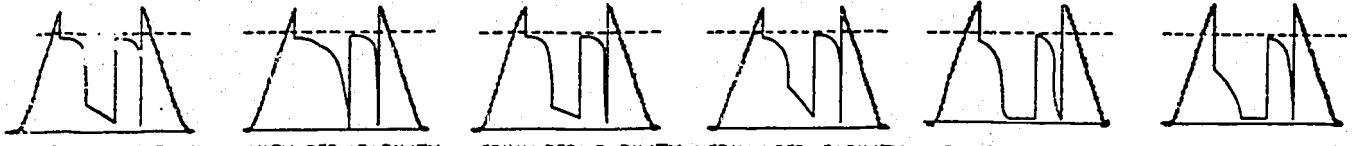
TOTAL TOOL ABOVE INTERVAL 35.80

TOTAL INTERVAL 15.00

TOTAL TAIL PIPE 15.00

TOTAL TEST TOOL 50.80

DST CHARTS FOR COMPARATIVE VISUAL ANALYSIS



HIGH PERMEABILITY STRONG DAMAGE EFFECT | HIGH PERMEABILITY NO DAMAGE EFFECT | MEDIUM PERMEABILITY STRONG DAMAGE EFFECT | MEDIUM PERMEABILITY NO DAMAGE EFFECT | LOW PERMEABILITY STRONG DAMAGE EFFECT | LOW PERMEABILITY NO DAMAGE EFFECT

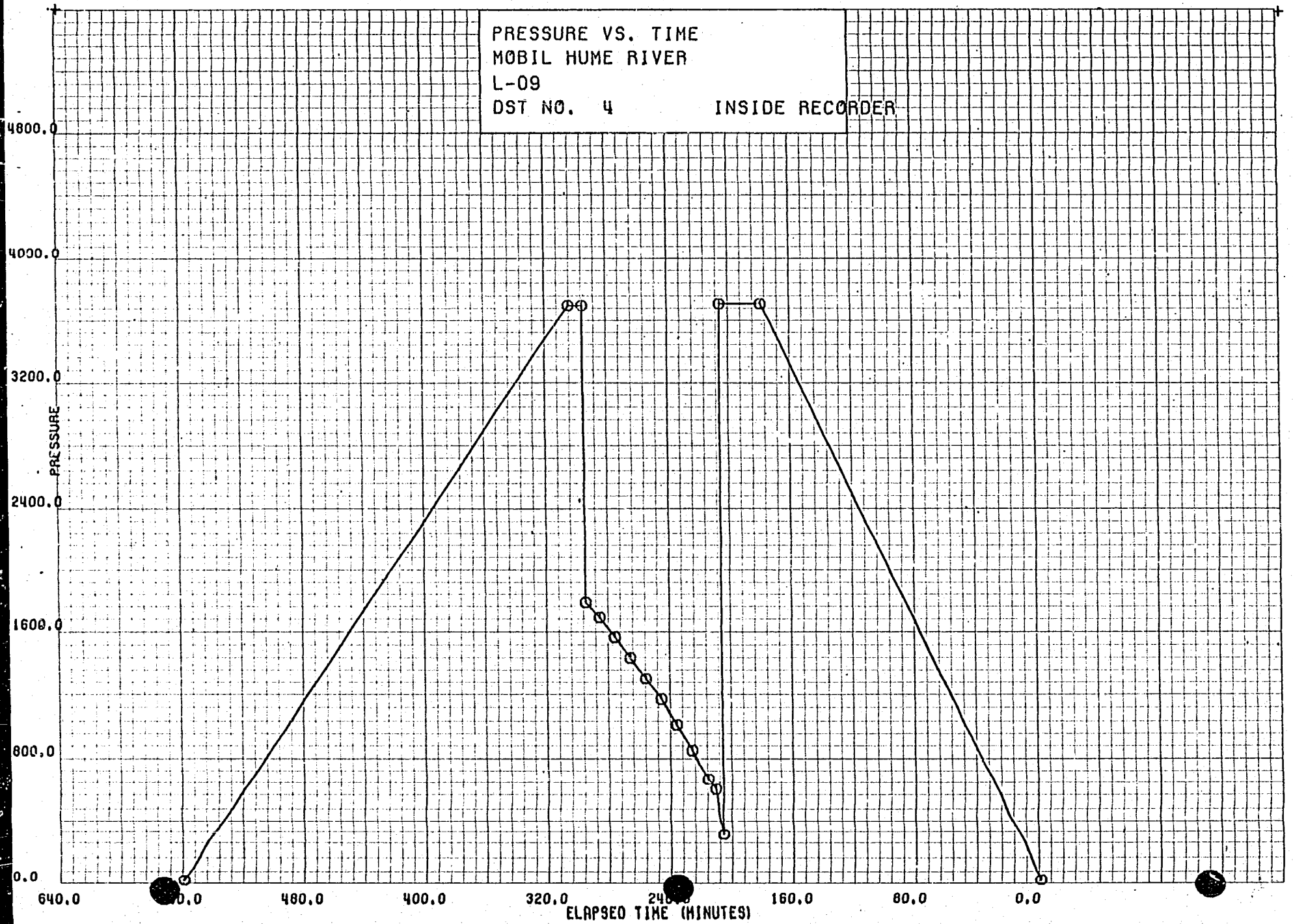
B

WELL NAME MOBIL HUME RIVER DST. NO. 4

LOCATION L-09 REC. NO. 3687 DEPTH 7608.

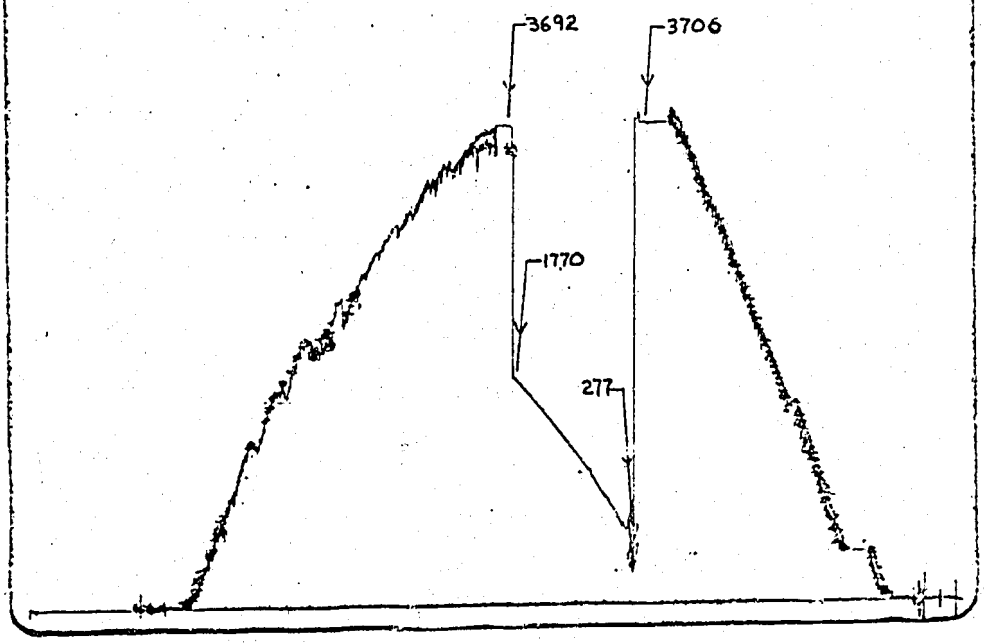
MEASURED PRESSURES

	POINT NUMBER	TIME MIN	PRESSURE PSIG
RUN IN HOLE	1	0.0	0.0
	2	180.0	3706.1
INITIAL HYDRO PRESSURE	3	207.0	3706.1
INITIAL FLOW PRESSURE	4	207.0	276.6
	5	212.0	576.9
	6	217.0	642.0
	7	227.0	829.9
	8	237.0	997.0
	9	247.0	1152.7
	10	257.0	1285.3
	11	267.0	1422.2
	12	277.0	1551.9
	13	287.0	1674.4
FINAL FLOW PRESSURE	14	296.0	1769.5
RUN OUT OF HOLE	15	296.0	1769.5
FINAL HYDRO PRESSURE	16	297.0	3691.6
	17	306.0	3691.6
OUT OF HOLE	18	560.0	0.0


PRESSURE VS. TIME
MOBIL HUME RIVER
L-09
DST NO. 4 INSIDE RECORDER
4800.0
4000.0
3200.0
2400.0
1600.0
800.0
0.0
PRESSURE
640.0
480.0
400.0
320.0
160.0
80.0
0.0
ELAPSED TIME (MINUTES)

DST RECORDER CHARTS

MOBIL HUME RIVER - L-09
INSIDE REC. NO. 3687
TEST NO. 4



BJ SERVICE DIVI

BORG-WARNER (CANADA)

BJ BORG WARNER

TESTING REPORT

DRILL-STEM TEST DATA

Well Name MOBIL HUME RIVER	Test No. 5
Well Number L-09	Zone Tested
Company MOBIL OIL OF CANADA	Interval 4507 - 4524
Comp. Rep. R. FLEWELLING Tester JOHN HOWARD	Date APRIL 8, 1971

Type of Test DUAL BOTTOM HOLE RFS Tool No. 49 - 27

Preflow 19 mins. ISI 58 mins. Flow 118 mins. FSI 168 mins.

	I REC. No. 3686 5650 RANGE 12 HR. CLOCK	B REC. No. 3687 5750 RANGE 24 HR. CLOCK	REC. No. RANGE HR. CLOCK
DEPTH	4490	4518	
Initial Hyd.o Mud Pres*	2240	2227	
Initial Shut-In Press	213	234	
Initial Flow Press	32	52	
Final Flow Press	35	50	
Final Shut-In Press	583	608	
Final Hydro Mud Press	2236	2225	

Mud Drop NIL Fluid Loss 8.8 Mud Weight 10.4

Viscosity 75 Temperature °F 125 Net Pay Tested EST. 10

Top Packer Depth 4501.00 Bottom Packer Depth 4507.00 Total Depth 4524.00

Drill Pipe Size 4" Wt. 11.85 Drill Collar I.D. 1.875 Ft. Run 90'

Surface Choke Size CLOSED Bottom Choke Size 0.5 Main Hole Size 6.25

Anchor Size 4.75 OD Rat Hole Size Feet of Rat Hole

Cushion Amount Type Rubber Size 5.5

Fluid Recovery Total Feet 40

Recovered 40 Feet of WATER CUT MUD

Recovered Feet of

Recovered Feet of

Recovered Feet of

Recovered Feet of

Gas Recovery How Measured Riser size:

mins.	Temp. °F	Press Rdg.	psi	Orifice Size	=	MCF/Day
mins.	Temp. °F	Press Rdg.	psi	Orifice Size	=	MCF/Day
mins.	Temp. °F	Press Rdg.	psi	Orifice Size	=	MCF/Day
mins.	Temp. °F	Press Rdg.	psi	Orifice Size	=	MCF/Day
mins.	Temp. °F	Press Rdg.	psi	Orifice Size	=	MCF/Day
mins.	Temp. °F	Press Rdg.	psi	Orifice Size	=	MCF/Day

Bleed Off Time for Drill Pipe

REMARKS: WEAK AIRBLOW ON PREFLOW. DEAD AFTER 10 MINS
FAIR AIRBLOW ON INITIAL FLOW FOR 5 MINS.
DECREASING. DEAD AFTER 10 MINS.

A Core Lab Gas Cont. No. Chem - Geo. Lab Gas Cont. No.

BJ BORG WARNER

DST #5

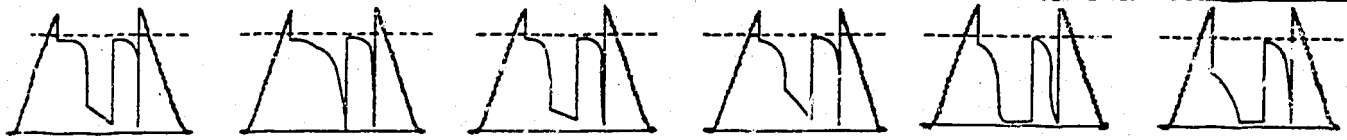
TESTING REPORT

4S LANDING SUB		
4S CHAMBER		
4S TOOL OR P.O. SUB		1.00
CO SUB		
SHUT IN TOOL		5.20
R.F.S. No. 49		3.30
R.F.S. No. 27		3.30
HYDRAULIC TOOL		7.20
JARS Suttlif		6.40
RECORDER No. 3686		5.00 DEPTH 4490.25
RECORDER No.		DEPTH
SAFETY JOINT		1.75
BY PASS SUB		
1. PACKER DEPTH 4501.00 — PACKER		6.00
2. PACKER DEPTH 4507.00 — PACKER		5.00 — TOTAL TOOL ABOVE INTERVAL 44.15
ANCHOR—SPECIFY		1.00
BLANK OFF OR BY PASS SUB		
RECORDER No.		DEPTH
PERFS		9.00
3. PACKER DEPTH — PACKER		TOTAL INTERVAL 17.00
4. PACKER DEPTH — PACKER		
ANCHOR—SPECIFY		
RECORDER No 3687		5.00 DEPTH 4518
TOTAL DEPTH 4524.00 — BULLNOSE		2.00

TOTAL TAIL PIPE 17.00

TOTAL TEST TOOL 61.15

DST CHARTS FOR COMPARATIVE VISUAL ANALYSIS



HIGH PERMEABILITY STRONG DAMAGE EFFECT | HIGH PERMEABILITY NO DAMAGE EFFECT | MEDIUM PERMEABILITY STRONG DAMAGE EFFECT | MEDIUM PERMEABILITY NO DAMAGE EFFECT | LOW PERMEABILITY STRONG DAMAGE EFFECT | LOW PERMEABILITY NO DAMAGE EFFECT

WELL NAME MOBIL HUME RIVER DST. NO. 5

LOCATION L-09 REC. NO. 3686 DEPTH 4490.

MEASURED PRESSURES

	POINT NUMBER	TIME MIN	PRESSURE PSIG
RUN IN HOLE	1	0.0	0.0
	2	103.0	2240.1
INITIAL HYDRO PRESSURE	3	132.0	2240.1
INITIAL PREFLOW PRESSURE	4	132.0	26.7
	5	137.0	26.7
	6	142.0	26.7
	7	147.0	28.1
FINAL PREFLOW PRESSURE	8	151.0	28.1
START INITIAL SHUT IN	9	151.0	28.1
	10	156.0	28.1
	11	161.0	35.1
	12	166.0	46.3
	13	171.0	70.2
	14	176.0	94.1
	15	181.0	112.4
	16	186.0	132.0
	17	191.0	153.1
	18	196.0	172.8
	19	201.0	192.4
	20	206.0	213.5
START FLOW PERIOD	21	206.0	227.5
INITIAL FLOW PRESSURE	22	207.0	32.3
	23	211.0	32.3
	24	216.0	32.3
	25	221.0	32.3
	26	226.0	32.3
	27	236.0	32.3
	28	246.0	32.3
	29	256.0	32.3
	30	266.0	33.7
	31	276.0	33.7
	32	286.0	33.7
	33	296.0	33.7
	34	306.0	35.1
	35	316.0	35.1
FINAL FLOW PRESSURE	36	324.0	35.1

WELL NAME MOBIL HUME RIVER DST. NO. 5

LOCATION L-09 REC. NO. 3686 DEPTH 4490.

MEASURED PRESSURES

	POINT NUMBER	TIME MIN	PRESSURE PSIG
START FINAL SHUT IN	37	324.0	35.1
	38	329.0	39.3
	39	334.0	43.5
	40	339.0	49.2
	41	344.0	54.8
	42	349.0	63.2
	43	354.0	70.2
	44	359.0	80.1
	45	364.0	91.3
	46	369.0	102.5
	47	374.0	115.2
	48	379.0	127.8
	49	384.0	141.9
	50	389.0	155.9
	51	394.0	172.8
	52	399.0	189.6
	53	404.0	207.9
	54	409.0	226.1
	55	414.0	245.8
	56	419.0	265.4
	57	424.0	285.1
	58	429.0	306.2
	59	434.0	327.2
	60	439.0	348.3
	61	444.0	370.8
	62	449.0	393.3
	63	454.0	414.3
	64	459.0	436.8
	65	464.0	460.7
	66	469.0	483.1
	67	474.0	505.6
	68	479.0	528.1
	69	484.0	549.2
	70	489.0	570.2
FINAL SHUT IN PRESSURE	71	492.0	582.9
RUN OUT OF HOLE	72	492.0	582.9
FINAL HYDRO PRESSURE	73	493.0	2235.9
	74	504.0	2235.9
OUT OF HOLE	75	634.0	0.0

WELL NAME MOBIL HUME RIVER DST. NO. 5

LOCATION L-09 REC. NO. 3686 DEPTH 4490.

CALCULATIONS FOR LIQUID RECOVERY (FIRST SHUT-IN)

(A) EXTRAPOLATED RESERVOIR PRESSURE	475.1
NO. OF POINTS CONSIDERED IN BUILD-UP	12
NO. OF POINTS USED IN EXTRAPOLATION	4
ROOT MEAN SQUARE DEVIATION OF BEST-FIT LINE (PSI)	6.64
EFFECTIVE PRODUCING TIME (MIN)	19.0

WELL NAME MOBIL HUME RIVER DST. NO. 5

LOCATION L-09 REC. NO. 3686 DEPTH 4490.

DATA FOR BUILD-UP PLOT (FIRST SHUT-IN)

POINT NUMBER	TIME MIN	PRESSURE PSIG	PRESSURE CALC FROM BEST FIT LINE	PRESSURE DIFFERENCE CALC - OBSERVED	T+DELTA(T)/ DELTA(T)
PORTION OF BUILD-UP CURVE NOT USED IN EXTRAPOLATION					
10	5.0	28.1			4.80
11	10.0	35.1			2.90
12	15.0	46.3			2.27
13	20.0	70.2			1.95
14	25.0	94.1			1.76
15	30.0	112.4			1.63
16	35.0	132.0			1.54
17	40.0	153.1			1.47
POINTS USED IN EXTRAPOLATION					
18	45.0	172.8	170.9	-1.9	1.42
19	50.0	192.4	196.9	4.5	1.38
20	55.0	213.5	218.8	5.3	1.35
21	55.0	227.5	218.8	-8.7	1.35

WELL NAME MOBIL HUME RIVER DST. NO. 5

LOCATION L-09 REC. NO. 3686 DEPTH 4490.

CALCULATIONS FOR LIQUID RECOVERY (SECOND SHUT-IN)

(A) EXTRAPOLATED RESERVOIR PRESSURE	1428.9
NO. OF POINTS CONSIDERED IN BUILD-UP	34
NO. OF POINTS USED IN EXTRAPOLATION	7
ROOT MEAN SQUARE DEVIATION OF BEST-FIT LINE (PSI)	1.61
EFFECTIVE PRODUCING TIME (MIN)	137.0
(B) IN SITU CAPACITY (KH - MD FT)	0.04
SLOPE OF BUILD-UP CURVE (PSI/CYCLE)	3273.21
PRODUCING RATE (BBL/DAY)	1.44
FLUID VISCOSITY (CP)	0.550
FORMATION VOLUME FACTOR (RES BBL/ST BBL)	1.000
(C) EFFECTIVE PERMEABILITY (MD)	0.00
FORMATION THICKNESS	10.00
(D) PRODUCTIVITY INDEX (BBL/DAY/PSI)	0.00
FLOWING PRESSURE (PSIG)	35.1
(E) APPROXIMATE DRAINAGE RADIUS (FT)	6.0
TOTAL FLOWING TIME (MIN)	137.0
(F) ESTIMATED DAMAGE RATIO	0.16
RESERVOIR POROSITY (PERCENT)	5.00
TOTAL COMPRESSIBILITY (VOL/VOL/PSI X 10-6)	9.60
WELL-BORE RADIUS (IN)	3.13
CALCULATED SKIN FACTOR	-2.35

WELL NAME MOBIL MUME RIVER DST. NO. 5

LOCATION L-09 REC. NO. 3686 DEPTH 4490.

DATA FOR BUILD-UP PLOT (SECOND SHUT-IN)

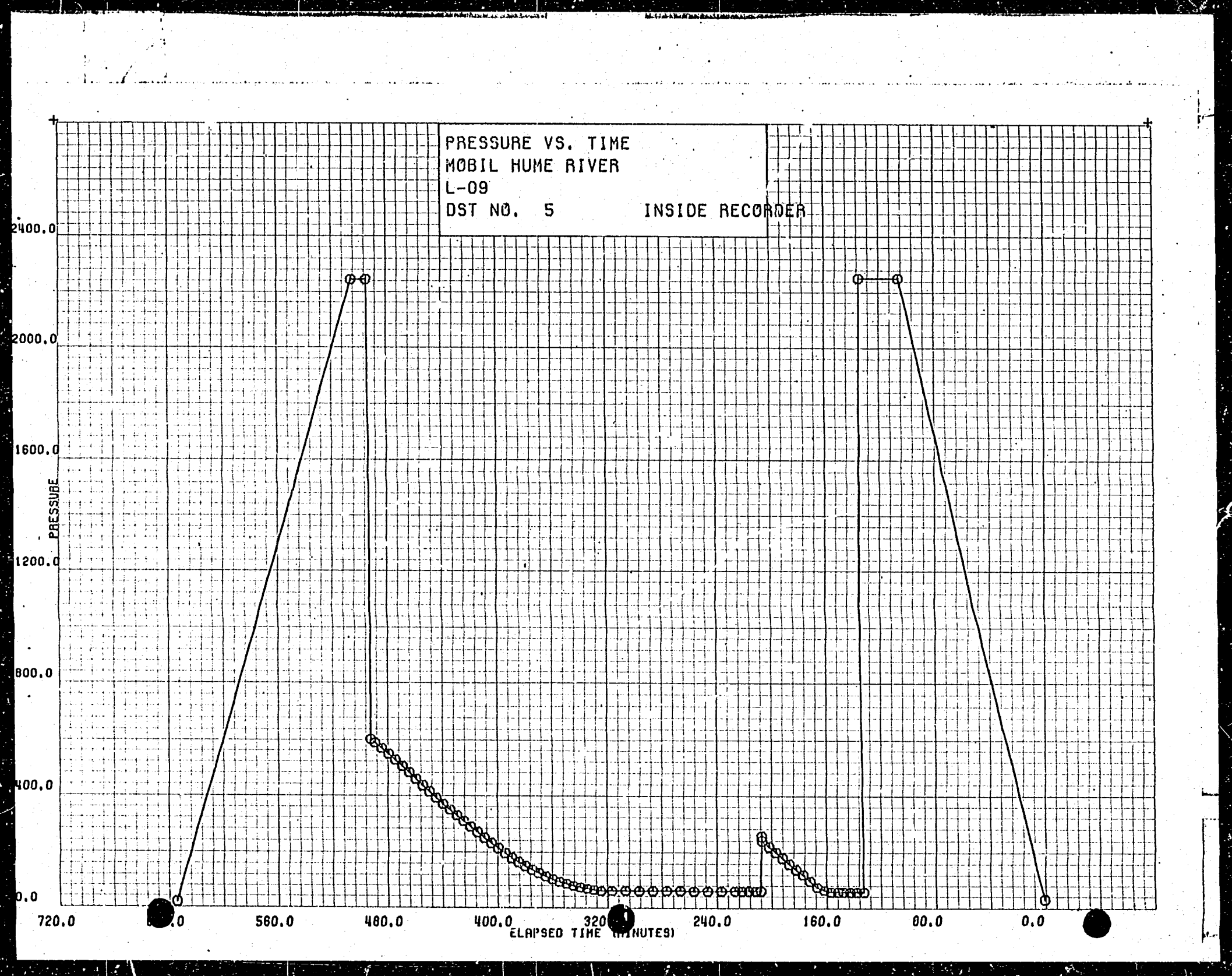
POINT NUMBER	TIME MIN	PRESSURE PSIG	PRESSURE CALC FROM BEST FIT LINE	PRESSURE DIFFERENCE CALC - OBSERVED	T+DELTA(T)/ DELTA(T)
PORTION OF BUILD-UP CURVE NOT USED IN EXTRAPOLATION					
38	5.0	39.3			28.40
39	10.0	43.5			14.70
40	15.0	49.2			10.13
41	20.0	54.8			7.85
42	25.0	63.2			6.48
43	30.0	70.2			5.57
44	35.0	80.1			4.91
45	40.0	91.3			4.42
46	45.0	102.5			4.04
47	50.0	115.2			3.74
48	55.0	127.8			3.49
49	60.0	141.9			3.28
50	65.0	155.9			3.11
51	70.0	172.8			2.96
52	75.0	189.6			2.83
53	80.0	207.9			2.71
54	85.0	226.1			2.61
55	90.0	245.8			2.52
56	95.0	265.4			2.44
57	100.0	285.1			2.37
58	105.0	306.2			2.30
59	110.0	327.2			2.25
60	115.0	348.3			2.19
61	120.0	370.8			2.14
62	125.0	393.3			2.10
63	130.0	414.3			2.05
64	135.0	436.8			2.01
POINTS USED IN EXTRAPOLATION					
65	140.0	460.7	458.8	-1.8	1.98
66	145.0	483.1	483.3	0.1	1.94
67	150.0	505.6	506.5	0.9	1.91
68	155.0	528.1	528.6	0.5	1.88
69	160.0	549.2	549.6	0.4	1.86
70	165.0	570.2	569.6	-0.7	1.83
71	168.0	582.9	581.1	-1.7	1.82

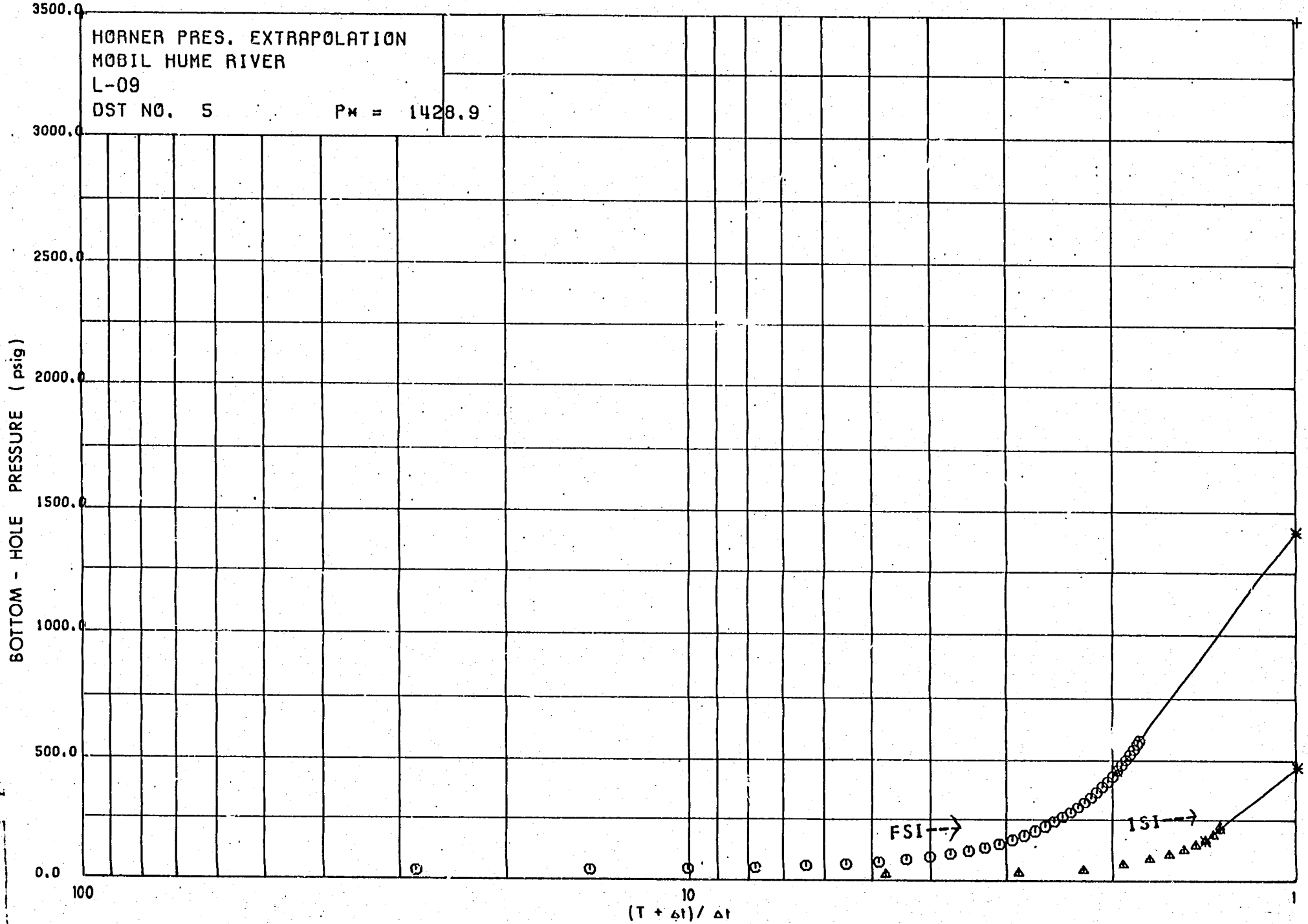
ASSUMPTIONS AND LIMITATIONS

THE [illegible] DST INTERPRETATION CALCULATIONS REQUIRE SEVERAL NECESSARY ASSUMPTIONS TO PROVIDE A QUICK ESTIMATE OF MANY OF THE FACTORS INVOLVED. AS A RESULT THE INFORMATION GAINED SHOULD BE USED TO FORM AN OPINION OR ESTIMATE ONLY. UNTIL THE ASSUMPTIONS OF RESERVOIR AND FLUID PROPERTIES CAN BE WHOLLY OR PARTIALLY CLARIFIED BY MORE COMPLETE ANALYSIS AND TESTING.

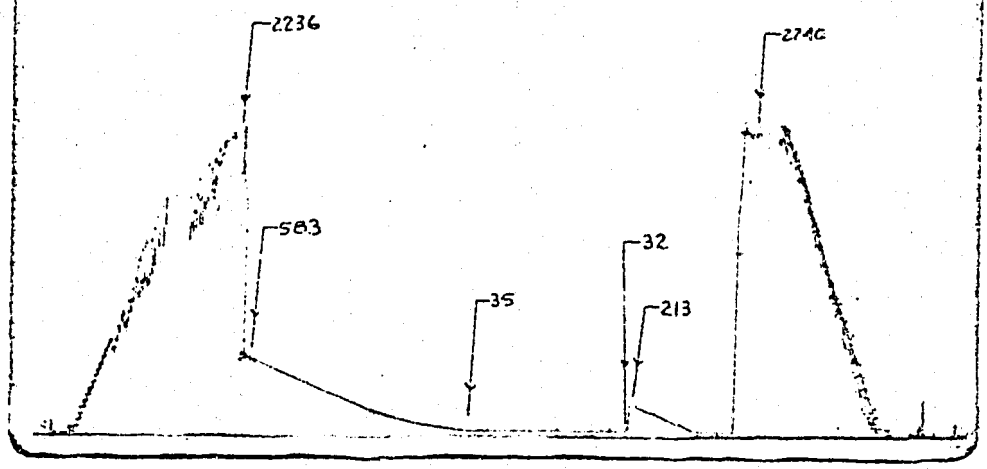
ASSUMPTIONS AND LIMITATIONS

THE ENCLOSED DST INTERPRETATION CALCULATIONS REQUIRE SEVERAL NECESSARY ASSUMPTIONS TO PROVIDE A QUICK ESTIMATE OF MANY OF THE FACTORS INVOLVED. AS A RESULT THE INFORMATION GAINED SHOULD BE USED TO FORM AN OPINION OR ESTIMATE ONLY, UNTIL THE ASSUMPTIONS OF RESERVOIR AND FLUID PROPERTIES CAN BE WHOLLY OR PARTIALLY CLARIFIED BY MORE COMPLETE ANALYSIS AND TESTING.


PRESSURE VS. TIME
MOBIL HUME RIVER
L-09
DST NO. 5 INSIDE RECORDER
2400.0
2000.0
1600.0
1200.0
800.0
400.0
0.0
PRESSURE
720.0
560.0
480.0
400.0
320
240.0
160.0
80.0
0.0
ELAPSED TIME (MINUTES)

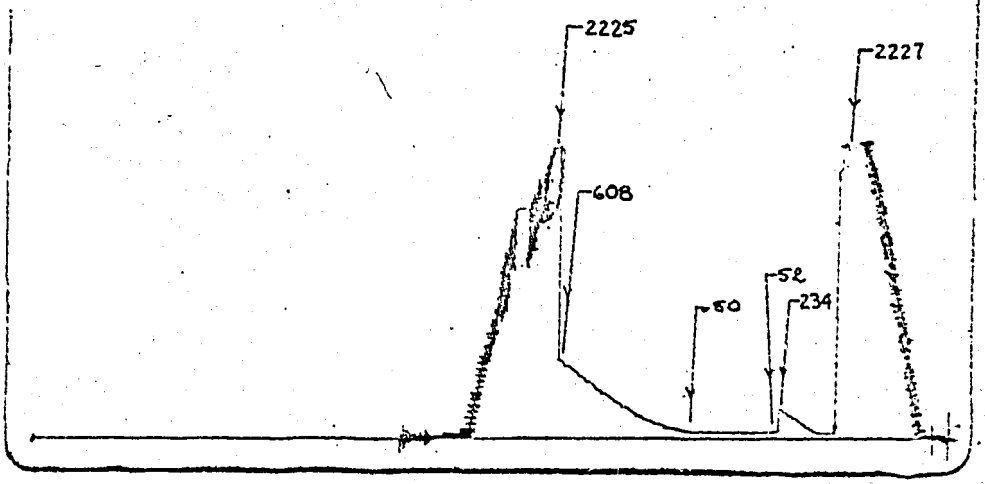

HORNER PRES. EXTRAPOLATION
MOBIL HUME RIVER
L-09
DST NO. 5
Px = 1428.9
3500.0
3000.0
2500.0
2000.0
1500.0
1000.0
500.0
0.0
BOTTOM - HOLE PRESSURE (psig)
100
10
1
(T + Δt)/ Δt
FSI
ISI

MOBIL HUME RIVER - L-09
INSIDE REC. NO. 3686
TEST NO. 5



DST RECORDER CHARTS

MOBIL HUME RIVER - L-09
BOTTOM REC. NO. 3687
TEST NO. 5



HOMCO SERVICES

DIVISION

BLACK SIVALLS & BRYSON LTD.

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5720 - 97th STREET — EDMONTON 85, ALBERTA

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ELECTRICAL WELL SERVICE

RENTAL EQUIPMENT

JAR SERVICE

PHONES:

Fort Nelson — 774-6768

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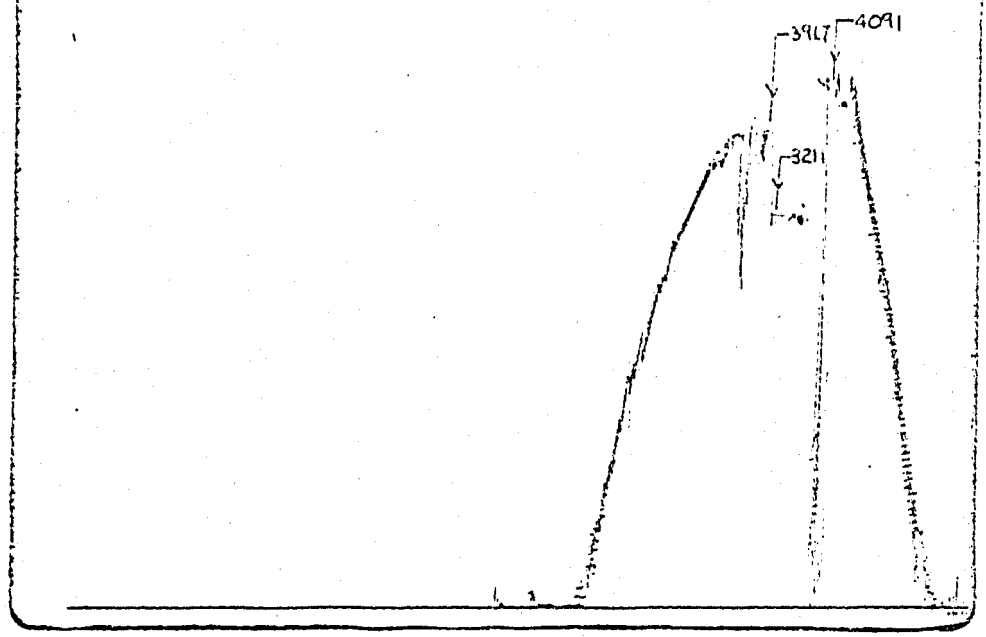
Calgary — 255-6250

Edmonton Service Department

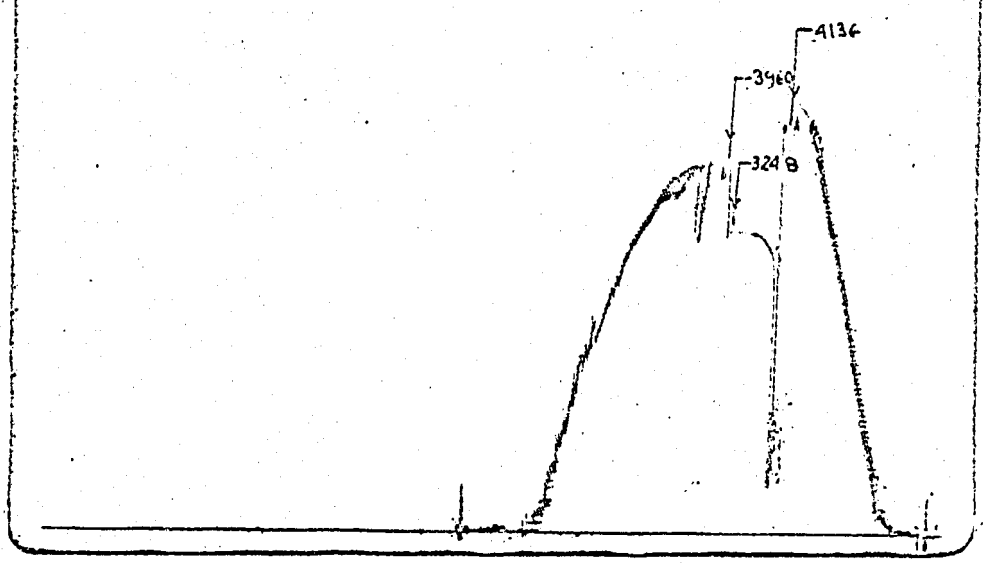
435-2123 — 434-9531

MOBIL HUME RIVER - L-09
INSIDE REC. NO. 2843
TEST NO. 1



DST RECORDER CHARTS

MOBIL HUME RIVER - L-09
BOTTOM REC. NO. 2010
TEST NO. 1



DIRECTIONAL DRILLING

DATE JANUARY 10, 1971

COMPANY MOBIL OIL CANADA LIMITED

WELL MOBIL HUME RIVER L-09

FIELD WILDCAT

LOCATION

COUNTY NORTH WEST TERRITORIES

STATE CANADA

MAGNETIC DECLINATION 38° East

HOMCO SERVICES

BLACK, SIVALLS & BRYSON, LTD.

FISHING TOOLS — DIRECTIONAL DRLG. — WIRELINE SERVICES

BLACK, SIVALLS & BRYSON LIMITED

HOMCO SERVICES DIVISION
5720 97 STREET, EDMONTON, ALBERTA

DIRECTIONAL DRILLING

COMPANY: MOBIL OIL CANADA LIMITED **DATE:** JANUARY 10, 1971

WELL NO.: MOBIL HUME RIVER L-09 **LOCATION:** WILDCAT - NORTHWEST TERRITORIES **PAGE:** 1 **OF** 1

	MEASURED DEPTH	COURSE LENGTH	DRIFT ANGLE	TRUE VERTICAL DEPTH	COURSE DEVIATION	DIRECTION OF DEVIATION	TOTAL COORDINATES			
							NORTH	SOUTH	EAST	WEST
	750	SURFACE CASING		750.00	ASSUMED VERTICAL					
	850	100	3-1/2	849.81	6.10	N05W	6.08			.53
	943	93	3-3/4	942.61	6.08	N09W	12.09			1.48
	1036	93	3-3/4	1035.41	6.08	N07W	18.13			2.22
	1129	93	3-1/2	1128.24	5.68	N10W	23.72			3.21
5	1222	93	3-1/2	1221.07	5.68	N18W	29.13			4.97
	1315	93	3-3/4	1313.87	6.08	N19W	34.88			6.95
	1408	93	4-1/4	1406.61	6.89	N23W	41.22			9.64
	1501	93	4-3/4	1499.29	7.70	N22W	48.36			12.52
	1594	93	5	1591.94	8.11	N20W	55.98			15.30
10	1687	93	4-3/4	1684.62	7.70	N20W	63.22			17.93
	1780	93	5-1/4	1777.23	8.51	N17W	71.36			20.42
	1873	93	6-1/2	1869.63	10.53	N19W	81.32			23.85
	1966	93	8-1/4	1961.67	13.34	N21W	93.78			28.63
	2059	93	9-1/2	2053.39	15.35	N19W	108.29			33.62
15	2152	93	10-3/4	2144.76	17.35	N17W	124.88			38.69
	2232	80	12-1/4	2222.94	16.97	N14W	141.34			42.80
	END MULTI SHOT									
	2286	54	12-1/2	2275.66	11.69	N10W	152.85			44.83
	2315	29	12-1/2	2303.97	6.28	N09W	159.05			45.81
	2347	32	13	2335.15	7.20	N10W	166.14			47.06
20	2378	31	13	2365.36	6.97	N10W	173.00			48.27
	2440	62	13-3/4	2425.58	14.74	N13W	187.36			51.59

HOMCO SERVICES

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PHONES:

Fort Nelson — 774-6768

High Level — 926-3688

Calgary — 255-6250

Edmonton Service Department

435-2123 — 434-9531

DIRECTIONAL DRILLING

DATE APRIL 5, 1971

COMPANY MOBIL OIL CANADA LIMITED

WELL MOBIL HUME RIVER L-09

FIELD WILDCAT

LOCATION

COUNTY NORTH WEST TERRITORIES

STATE CANADA

MAGNETIC DECLINATION 38° East

HOMCO SERVICES
DIVISION
BLACK SIVALLS & BRYSON LTD.

FISHING TOOLS — DIRECTIONAL DRLG. — WIRELINE SERVICES

BLACK, SIVALLS & BRYSON LIMITED

HOMCO SERVICES DIVISION
5720 97 STREET, EDMONTON, ALBERTA

DIRECTIONAL DRILLING

COMPANY: MOBIL OIL CANADA LIMITED

WELL NO.: Mobil Hume River L-09 **LOCATION:**

DATE: April 5, 1971

PAGE: 1 **OF** 5

	MEASURED DEPTH	COURSE LENGTH	DRIFT ANGLE	TRUE VERTICAL DEPTH	COURSE DEVIATION	DIRECTION OF DEVIATION	TOTAL COORDINATES			
							NORTH	SOUTH	EAST	WEST
	750-Surface Hole Drift Accumulated									
				750.00		(N4W)	22.75			1.59
	850	100	3½	849.81	6.10	N6W	28.82			2.23
	943	93	3 3/4	942.61	6.08	N10W	34.81			3.28
	1036	93	3 3/4	1035.41	6.08	N8W	40.83			4.13
5	1129	93	3½	1128.24	5.68	N11W	46.41			5.21
	1222	93	3½	1221.07	5.68	N20W	51.75			7.15
	1315	93	3 3/4	1313.87	6.08	N21W	57.42			9.33
	1408	93	4¼	1406.61	6.89	N25W	63.67			12.25
	1501	93	4 3/4	1499.29	7.70	N24W	70.70			15.38
10	1594	93	5	1591.94	8.11	N22W	78.22			18.42
	1687	93	4 3/4	1684.62	7.70	N22W	85.36			21.30
	1780	93	5¼	1777.73	8.51	N19W	93.40			24.07
	1873	93	6½	1869.63	10.53	N21W	103.23			27.84
	1966	93	8¼	1961.67	13.34	N24W	115.42			33.27
15	2059	93	9½	2053.39	15.35	N22W	129.65			39.02
	2152	93	10 3/4	2144.76	17.35	N21W	145.85			45.24
	2232	80	12¼	2222.94	16.97	N18W	161.99			50.48
	2286	54	12½	2275.66	11.69	N14W	173.33			53.31
	2315	29	12½	2303.97	6.28	N13W	179.45			54.72
20	2347	32	13	2335.15	7.20	N14W	186.43			56.46
	2378	31	13	2365.36	6.97	N14W	193.19			58.14
	2440	62	13 3/4	2425.58	14.74	N17W	207.29			62.45
	2502	62	14½	2485.61	15.52	N12W	222.47			65.68
	2600	98	15 3/4	2579.93	26.60	N12W	248.49			70.99
25	2663	63	16	2640.49	17.37	N13W	265.42			74.90

BLACK, SIVALLS & BRYSON LIMITED

HOMCO SERVICES DIVISION
5720 97 STREET, EDMONTON, ALBERTA

DIRECTIONAL DRILLING

COMPANY: MOBIL OIL CANADA LIMITED
WELL NO.: Mobil Hume River L-09 LOCATION:

DATE: APRIL 5,1971
PAGE: 2 OF 5

	MEASURED DEPTH	COURSE LENGTH	DRIFT ANGLE	TRUE VERTICAL DEPTH	COURSE DEVIATION	DIRECTION OF DEVIATION	TOTAL COORDINATES			
							NORTH	SOUTH	EAST	WEST
	2725	62	16½	2700.01	17.35	N13W	282.33			78.80
	2817	92	16¾	2788.33	25.74	N12W	307.51			84.15
	2880	63	17	2848.58	18.42	N10W	325.65			87.35
	2943	63	18	2908.50	19.47	N8W	344.93			90.06
30	3006	63	19	2968.07	20.51	N10W	365.13			93.62
	3074	68	19	3032.37	22.14	N12W	386.79			98.22
	3105	31	19	3061.68	10.09	N10W	396.73			99.97
	3126	21	19½	3081.48	7.01	N11W	403.61			101.31
	3181	55	19¾	3133.40	18.13	N	421.74			101.31
35	3212	31	20	3162.53	10.60	N	432.34			101.31
	3242	30	20¼	3190.68	10.38	N4E	442.70			100.59
	3275	33	20	3221.69	11.29	N13E	453.70			98.05
	3305	30	18 3/4	3250.10	9.64	N12E	463.13			96.05
	3354	49	17½	3296.90	14.53	N5E	477.60			94.78
40	3385	31	17½	3326.51	9.19	N3E	486.78			94.30
	3458	73	18	3395.94	22.56	N	509.34			94.30
	3488	30	18½	3424.39	9.52	N	518.86			94.30
	3515	27	18 3/4	3449.96	8.68	N3W	527.53			94.75
	3580	65	20	3511.04	22.23	N	549.76			94.75
45	3632	52	21¼	3559.50	18.85	N	568.61			94.75
	3664	32	22½	3589.06	12.25	N	580.86			94.75
	3705	41	22 3/4	3626.87	15.86	N	596.72			94.75
	3736	31	23½	3655.30	12.36	N1W	609.08			94.97
	3797	61	24¼	3710.92	25.05	N3W	634.09			96.28
50	3827	30	25 3/4	3737.94	13.03	N1W	647.12			96.51

BLACK, SIVALLS & BRYSON LIMITED

HOMCO SERVICES DIVISION
5720 97 STREET, EDMONTON, ALBERTA

DIRECTIONAL DRILLING

COMPANY: MOBIL OIL CANADA LIMITED
WELL NO.: Mobil Hume River L-09 LOCATION:

DATE: April 5,1971
PAGE: 3 OF 5

	MEASURED DEPTH	COURSE LENGTH	DRIFT ANGLE	TRUE VERTICAL DEPTH	COURSE DEVIATION	DIRECTION OF DEVIATION	TOTAL COORDINATES			
							NORTH	SOUTH	EAST	WEST
	2725	33	26	3767.60	14.47	N3W	661.57			
	3923	63	26 3/4	3823.86	28.36	N1W	689.92			97.27
	3955	32	27 3/4	3852.18	14.90	N4W	704.78			97.77
	4017	62	28¼	3906.80	29.35	N3W	734.09			98.81
55	4080	63	28½	3962.17	30.06	N1W	764.14			100.35
	4142	62	28 3/4	4016.53	29.82	N3W	793.93			100.88
	4237	95	29	4099.62	46.06	N2W	839.96			102.44
	4330	93	28 3/4	4181.16	44.73	N2W	884.66			104.05
	4425	95	29¼	4264.05	46.42	N1W	931.07			105.61
60	4520	95	29½	4346.73	46.78	N	977.85			106.42
	4614	94	30	4428.14	47.00	N1W	1024.84			106.42
	4709	95	30¼	4510.20	47.86	N	107270			107.24
	4806	97	31 3/4	4592.68	51.04	N2E	1123.71			107.24
	4901	95	32	4673.24	50.34	N7E	1173.67			105.46
65	4995	94	32¼	4752.74	50.16	N13E	1222.55			99.32
	5089	94	32 3/4	4831.80	50.85	N13E	1272.10			88.03
	5183	94	31½	4911.95	49.11	N14E	1319.75			76.59
	5228	45	30	4950.92	22.50	N13E	1341.67			64.71
	5260	32	29	4978.91	15.51	N14E	1356.72			59.65
70	5403	143	26	5107.44	62.69	N11E	1418.26			55.90
	5528	125	26	5219.79	54.86	N11E	1472.11			43.94
	5624	96	28	5304.55	45.07	N7E	1516.84			33.47
	5718	94	28½	5387.16	44.86	N10E	1561.02			27.98
	5875	157	29½	5523.81	77.31	N12E	1636.64			20.19
75	6002	127	31½	5632.09	66.36	N15E	1700.74			4.12
									13.05	

BLACK, SIVALLS & BRYSON LIMITED

HOMCO SERVICES DIVISION
5720 97 STREET, EDMONTON, ALBERTA

DIRECTIONAL DRILLING

COMPANY: MOBIL OIL CANADA LIMITED
WELL NO.: Mobil Hume River 1-09 LOCATION:

DATE: April 5, 1971
PAGE: 4 OF 5

	MEASURED DEPTH	COURSE LENGTH	DRIFT ANGLE	TRUE VERTICAL DEPTH	COURSE DEVIATION	DIRECTION OF DEVIATION	TOTAL COORDINATES			
							NORTH	SOUTH	EAST	WEST
	6034	32	32	5659.23	16.96	N17E	1716.96		18.01	
	6096	62	32	5711.81	32.85	N17E	1748.37		27.62	
	6159	63	32	5765.23	33.38	N19E	1779.93		38.49	
	6190	31	32	5791.52	16.43	N21E	1795.27		44.38	
80	6246	56	31½	5839.27	29.26	N22E	1822.40		54.97	
	6277	31	31	5865.84	15.97	N24E	1836.99		61.47	
	6309	32	31	5893.27	16.48	N22E	1852.27		67.64	
	6340	31	32½	5919.42	16.66	N20E	1867.93		73.34	
	6365	25	32	5940.62	13.75	N21E	1880.30		78.09	
85	6403	38	30½	5973.53	19.00	N23E	1897.79		85.51	
	6434	31	29½	6000.51	15.26	N26E	1911.51		92.20	
	6465	31	27 3/4	6027.95	14.43	N28E	1924.25		98.97	
	6496	31	26 3/4	6055.63	13.95	N31E	1936.21		106.15	
	6526	30	27	6082.36	13.62	N33E	1947.63		113.57	
90	6558	32	27¼	6110.81	14.65	N35E	1959.64		121.97	
	6590	32	26¼	6139.51	14.15	N37E	1970.94		130.49	
	6622	32	25 3/4	6168.33	13.90	N41E	1981.43		139.61	
	6654	32	24	6197.56	13.01	N43E	1990.95		148.48	
	6685	31	24 3/4	6225.71	12.98	N46E	1999.97		157.82	
95	6717	32	24	6254.94	13.01	N48E	2008.68		167.49	
	6749	32	23½	6284.29	12.76	N51E	2016.71		177.41	
	6781	32	23½	6313.64	12.76	N54E	2024.21		187.73	
	6812	31	23¼	6342.12	12.24	N58E	2030.70		198.11	
	6844	32	23	6371.58	12.50	N60E	2036.95		208.94	
100	6875	31	23	6400.12	12.11	N63E	2042.45		219.73	

BLACK, SIVALLS & BRYSON LIMITED

HOMCO SERVICES DIVISION
5720 97 STREET, EDMONTON, ALBERTA

DIRECTIONAL DRILLING

COMPANY: MOBIL OIL CANADA LIMITED

WELL NO.: Mobil Hume River L-09 LOCATION:

DATE: April 5, 1971

PAGE: 5 OF 5

	MEASURED DEPTH	COURSE LENGTH	DRIFT ANGLE	TRUE VERTICAL DEPTH	COURSE DEVIATION	DIRECTION OF DEVIATION	TOTAL COORDINATES			
							NORTH	SOUTH	EAST	WEST
	6905	30	22	6427.94	11.24	N66E	2047.02		230.00	
	6936	31	22¼	6456.63	11.74	N69E	2051.23		240.96	
	6975	39	21½	6492.92	14.29	N75E	2054.93		254.76	
	7008	33	21½	6523.62	12.09	N78E	2057.44		266.59	
105	7071	63	20½	6582.63	22.06	N79E	2061.65		288.24	
	7103	32	20	6612.70	10.94	N77E	2064.11		298.90	
	7167	64	19½	6673.12	21.10	N79E	2068.14		319.61	
	7229	62	19 3/4	6731.47	20.95	N79E	2072.14		340.17	
	7292	63	19	6791.04	20.51	N81E	2075.35		360.43	
110	7355	63	18	6850.96	19.47	N81E	2078.40		379.66	
	7418	63	17½	6911.04	18.94	N83E	2080.71		398.46	
	7482	64	16 3/4	6972.32	18.44	N84E	2082.64		416.80	
	7545	63	15½	7033.03	16.84	N80E	2085.56		433.38	
	7608	63	14 3/4	7093.95	16.04	N81E	2088.07		449.22	
115	7672	64	14	7156.05	15.48	N81E	2090.49		464.51	
	7730	58	14	7212.33	14.03	N81E	2092.68		478.37	
	7810	80	13	7290.28	18.00	N83E	2094.87		496.24	
	7904	94	12	7382.23	19.54	N86E	2096.23		515.73	
	7998	94	10½	7474.73	16.73	N88E	2096.81		532.45	
120	8155	157	8 3/4	7629.91	23.88	E	2096.81		556.33	
	8280	125	7 3/4	7753.77	16.86	S77E	2093.02		572.76	
	8400	120	6 3/4	7872.94	14.10	S68E	2087.74		585.83	
	8520	120	7	7992.04	14.63	S65E	2081.56		599.09	
*124	8550	30	7	8021.82	3.66	S65E	2080.01		602.41	
			* Interpolated			Closure	N 16° 9' E		2165.46 Ft.	

2-11-7-48

OIL & GAS OPERATIONS UNIT
Oil and Mineral Division
SEP 17 1971
OTTAWA, CANADA
Dept. of Indian Affairs & Northern Development

DAILY DRILLING REPORT

REPORT NO. 115 DATE April 9-71

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
Mobil Oil CAN. LTD.	Mobil Oil Hume River	L-09	Hume River	A/W T	CANADA

CONTRACTOR	RIG NO.
S & T DRILLING (WESTERN) CO. LTD.	1E

DRILL PIPE STRING: NO. 2, SIZE 4 — TOOL JOINT 5" O.D. — TYPE THD. 3½ IF

SIGNATURE OF OPERATOR'S REPRESENTATIVE: R. Newell

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: L. N. Webber

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.			
2.	WAT	K-380	
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
7"	JAP.	23/26 J55	146	1200		5762	

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL			
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG			
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
BORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS			

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK			
HRS. W/DP			
HRS. WO/DP			
HRS. STANDBY			
TOTAL DAY WORK			

WIRE LINE RECORD

REEL NO.	
NO. OF LINES	SIZE
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
STANDS D.P.		FT.
SINGLES D.P.		FT.
D.C. I.D. O.D.		FT.
D.C. I.D. O.D.		FT.
STB. BODY O.D.		FT.
STB. BODY O.D.		FT.
RMR. BODY O.D.		FT.
SUBS O.D.		FT.
BIT OR C.B.		FT.
		FT.
KELLY DOWN		FT.
TOTAL		FT.
WT. OF STRING		LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HR. RUN	
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	
WEIGHT	
VISC.-SEC	
W.L.-C.C.	
FLTR. CK.	
PH	
SD. CONT. %	
PRESSURE GRADIENT	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER Ron Smith

FOOTAGE

FROM	TO	DR. RM. R	DR. C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.—S PAR'EL—P COM'D—C
					Fuel 900 gallons								

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1200	400	4	W.O.C
400	500	1	Run in + Eject Plug #4 @
500	8—	3	Laydown Pipe + Collars
			1 Joint Flex. Damaged Box.

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
STANDS D.P.		FT.
SINGLES D.P.		FT.
D.C. I.D. O.D.		FT.
D.C. I.D. O.D.		FT.
STB. BODY O.D.		FT.
STB. BODY O.D.		FT.
RMR. BODY O.D.		FT.
SUBS O.D.		FT.
BIT OR C.B.		FT.
		FT.
KELLY DOWN		FT.
TOTAL		FT.
WT. OF STRING		LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HR. RUN	
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	
WEIGHT	
VISC.-SEC	
W.L.-C.C.	
FLTR. CK.	
PH	
SD. CONT. %	
PRESSURE GRADIENT	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER R. Hanby

FOOTAGE

FROM	TO	DR. RM. R	DR. C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.—S PAR'EL—P COM'D—C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
800 AM	4 PM	8	Tear Out BOP's - Cut off csg. found - 3' below grd. level - Cement w/ 5 sax cement and weld on plate - Cement Mousehole & Rathole
			HAULED 2800 GALS FUEL
4PM	12 Mn	8	Tear out - Released @ 12:00 Mn: April 9/71.

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
STANDS D.P.		FT.
SINGLES D.P.		FT.
D.C. I.D. O.D.		FT.
D.C. I.D. O.D.		FT.
STB. BODY O.D.		FT.
STB. BODY O.D.		FT.
RMR. BODY O.D.		FT.
SUBS O.D.		FT.
BIT OR C.B.		FT.
		FT.
KELLY DOWN		FT.
TOTAL		FT.
WT. OF STRING		LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HR. RUN	
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	
WEIGHT	
VISC.-SEC	
W.L.-C.C.	
FLTR. CK	
PH	
SD. CONT. %	
PRESSURE GRADIENT	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER R. Chrisman

FOOTAGE

FROM	TO	DR. RM. R	DR. C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.—S PAR'EL—P COM'D—C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4—	12—	8	Tear out - front end

DAILY DRILLING REPORT

REPORT NO. 114 DATE April 8 - 71

OPERATOR: Mobil Oil CANADA LTD.

LEASE: Mobil Oil Hume River

WELL NO. L-09 | FIELD OR DIST. Hume River | COUNTY N.W.T | STATE CANADA

CONTRACTOR: S & T DRILLING (WESTERN) CO. LTD. | RIG NO. 1-E

DRILL PIPE STRING: NO. 2, SIZE 4" | TOOL JOINT O.D. 5" | TYPE THD 3½ IF

SIGNATURE OF OPERATOR'S REPRESENTATIVE: J. Newell

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: L.H. Webber

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.			
2.	NAT.	K380	14"
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
7"	Jap.	32/23 J-55	146		12.00	5982	CEMENTED w/200 SKS

TIME DISTRIBUTION–HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL			
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG			
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
BORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8		

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK		
HRS. W/DP		
HRS. WO/DP		
HRS. STANDBY		
TOTAL DAY WORK		

WIRE LINE RECORD

REEL NO.

NO. OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
29	STANDS D.P.	IN DERRICK FT.
	SINGLES D.P.	FT.
	D.C. I.D. O.D.	FT.
	D.C. I.D. O.D.	FT.
	STB. BODY O.D.	FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
		FT.
	KELLY DOWN	FT.
	TOTAL	FT.
	WT. OF STRING	LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HR. RUN	
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	
WEIGHT	
VISC.–SEC	
W.L.–C.C.	
FLTR. CK.	
PH	
SD. CONT. %	
PRESSURE GRADIENT	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER Ron Sewell

FOOTAGE

FROM	TO	DR–D RM–R CORE–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL–S PAR'EL–P COM'D–C
				Lost 2'1"								
				1500 gallons								
				April 7 Lost used 850 gallon								

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	1:15	1¼	TRIP out To Run DST. Pulled out 48 STANDS
1:15	1:30	¼	See Rig v Rams Layed Down Last STAND.
1:30	3:00	1½	MAKE up DST. #5 (Total in Derreck. 69)
3:00	5:00	2	RUNNING DST 5
5:00	8:00	3	HEAD up & TEST.
			LEFT 34 JTS of 4" DP + 16 JTS of 4" FLEX WT
			DP IN HOLE L.H.W.
			LAYED DOWN ONE 4" DP W/DAMAGED PIN FROM
			SHOOTING OFF

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
	STANDS D.P.	FT.
	SINGLES D.P.	FT.
	D.C. I.D. O.D.	FT.
	D.C. I.D. O.D.	FT.
	STB. BODY O.D.	FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
		FT.
	KELLY DOWN	FT.
	TOTAL	FT.
	WT. OF STRING	LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HR. RUN	
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	
WEIGHT	
VISC.–SEC	
W.L.–C.C.	
FLTR. CK.	
PH	
SD. CONT. %	
PRESSURE GRADIENT	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER R. Hanby

FOOTAGE

FROM	TO	DR–D RM–R CORE–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL–S PAR'EL–P COM'D–C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
6:00	11:30	5½	DST #5
11:30	2:00	2½	Pull DST. #5 Slow
2:00	3:00	1	lay down 2 serv. Testing Tools.
3:00	4:00	1	W.O.C.

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
	STANDS D.P.	FT.
	SINGLES D.P.	FT.
	D.C. I.D. O.D.	FT.
	D.C. I.D. O.D.	FT.
	STB. BODY O.D.	FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
		FT.
	KELLY DOWN	FT.
	TOTAL	FT.
	WT. OF STRING	LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HR. RUN	
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	
WEIGHT	
VISC.–SEC	
W.L.–C.C.	
FLTR. CK	
PH	
SD. CONT. %	
PRESSURE GRADIENT	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER Ron Sewell

FOOTAGE

FROM	TO	DR–D RM–R CORE–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL–S PAR'EL–P COM'D–C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	5:45	1¾	Run in 20 stand x layed Down
5:45	7:00	1¼	W.O.C.
7:00	8:00	1	Run in to run Plug #4
8:00	9:00	1	Run Plug #4 @ 4525 To 4050 w/ 164 Sx Cement
9:00	10:00	1	Pull out & WOC
10:00	12:00	2	W.O.C

AK SAFETY ▲ FILM

DAILY DRILLING REPORT

REPORT NO. 113 DATE April 7-71

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
Mobil Oil Can. LTD.	Mobil Oil Hume River	2-09	Hume River	N.W.T	Canada

CONTRACTOR	RIG NO.	DRILL PIPE STRING NO.	DRILL PIPE STRING SIZE	TOOL JOINT O.D.	TYPE THD
S & T DRILLING (WESTERN) CO. LTD.	1F	2	4½"	5"	3½ IF

SIGNATURE OF OPERATOR'S REPRESENTATIVE: R. Newell

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: L.A. Webber

PUMPS NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.			14"
2.	WAT.	K-380	
3.			

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
	7"	Jap.	29/32 J-55	146		12.00	5282	Cemented w/ 200 sx

TIME DISTRIBUTION–HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL			
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG			
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
BORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK			
HRS. W/DP			
HRS. WO/DP			
HRS. STANDBY			
TOTAL DAY WORK			

WIRE LINE RECORD

REEL NO.	
NO. OF LINES	SIZE
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD	
80	STANDS D.P.	FT.	BIT NO.	
	SINGLES D.P.	FT.	SIZE	
3	D.C. I.D. O.D.	FT.	MFG.	
	D.C. I.D. O.D.	FT.	TYPE	
	STB. BODY O.D.	FT.	NOZZLE NO.	
	STB. BODY O.D.	FT.	NOZZLE SIZE	
	RMR. BODY O.D.	FT.	SER. NO.	
	SUBS O.D.	FT.	DEPTH OUT	
	BIT OR C.B.	FT.	DEPTH IN	
		FT.	TOTAL FTG.	
	KELLY DOWN	FT.	TOTAL HR. RUN	
	TOTAL	FT.	COND. OF BIT	
WT. OF STRING		LBS.	REAMER NO.	
			REAMER TYPE	

MUD RECORD

TIME				
WEIGHT				
VISC.–SEC				
W.L.–C.C.				
FLTR. CK.				
PH				
SD. CONT. %				
PRESSURE GRADIENT				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER Ron Savill

FOOTAGE FROM	FOOTAGE TO	DR–D RM–R CORE–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL–S PAR'EL–P COM'D–C
				2'10" Fuel								

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12.00	12.45	¾	Run in w/ DST #4 — Fuel @ 7AM
12.45	2.30	1¾	Head up & Test. — Fuel 2350
2.30	6.45	4¼	Hoist out DST #4 — Fuel used April 6 550 gall.
6.45	8.00	1¼	Service + Laydown Testing Tools

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD	
81	STANDS D.P.	FT.	BIT NO.	
	SINGLES D.P.	FT.	SIZE	
	D.C. I.D. O.D.	FT.	MFG.	
	D.C. I.D. O.D.	FT.	TYPE	
	STB. BODY O.D.	FT.	NOZZLE NO.	
	STB. BODY O.D.	FT.	NOZZLE SIZE	
	RMR. BODY O.D.	FT.	SER. NO.	
	SUBS O.D.	FT.	DEPTH OUT	
	BIT OR C.B.	FT.	DEPTH IN	
		FT.	TOTAL FTG.	
	KELLY DOWN	FT.	TOTAL HR. RUN	
	TOTAL	FT.	COND. OF BIT	
WT. OF STRING		LBS.	REAMER NO.	
			REAMER TYPE	

MUD RECORD

TIME	1000			
WEIGHT	10.2			
VISC.–SEC	42			
W.L.–C.C.				
FLTR. CK.				
PH				
SD. CONT. %				
PRESSURE GRADIENT				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER R. Hanly

FOOTAGE FROM	FOOTAGE TO	DR–D RM–R CORE–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL–S PAR'EL–P COM'D–C

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8.00	8.45	¾	Layed down Schlumberger's Tools.
8.45	11.00	2¼	Run in w. ~~Stinger~~ Open end.
11.00	1.00	2	Circ + W.O.O.
1.00	2.00	1	Run Plug #2 @ 7434 – 7100 100 Sacks – AllWell
2.00	3.00	1	Pull 17 Stands + 2 Singles out of Cement
3.00	4.00	1	Run Plug #3 @ 5250 – 5450 – 175 Sacks – FONDU
			Mixing + Pumping Time 25 min Slurry 14 PPG.
			pulled 210 M to Wo Wait 4 hrs, Run up W/RT 2500 PSI Could not move Cement

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD	
	STANDS D.P.	FT.	BIT NO.	
	SINGLES D.P.	FT.	SIZE	
	D.C. I.D. O.D.	FT.	MFG.	
	D.C. I.D. O.D.	FT.	TYPE	
	STB. BODY O.D.	FT.	NOZZLE NO.	
	STB. BODY O.D.	FT.	NOZZLE SIZE	
	RMR. BODY O.D.	FT.	SER. NO.	
	SUBS O.D.	FT.	DEPTH OUT	
	BIT OR C.B.	FT.	DEPTH IN	
		FT.	TOTAL FTG.	
	KELLY DOWN	FT.	TOTAL HR. RUN	
	TOTAL	FT.	COND. OF BIT	
WT. OF STRING		LBS.	REAMER NO.	
			REAMER TYPE	

MUD RECORD

TIME				
WEIGHT				
VISC.–SEC				
W.L.–C.C.				
FLTR. CK				
PH				
SD. CONT. %				
PRESSURE GRADIENT				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER Ron Savill

FOOTAGE FROM	FOOTAGE TO	DR–D RM–R CORE–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL–S PAR'EL–P COM'D–C

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4.00			Stuck in Plug #3 Rigging up Fishing Tools.
	11.00	7	Run in w/ Free Point Finder. + Back off @ 4534
11.00	11.30	½	Circ Cond Mud to Trip out.
11.30	12.00	½	Rig out Schlumberger.

DAILY DRILLING REPORT

REPORT NO. 112 DATE April 6-71

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
Mobil Oil Can. LTD	Mobil Oil Hume River	L-09	Hume River	N.W.T.	CANADA

CONTRACTOR	RIG NO.	DRILL PIPE STRING NO.	DRILL PIPE STRING SIZE	TOOL JOINT	O.D.
S & T DRILLING (WESTERN) CO. LTD.	1E	2	4"	TYPE THD. 3½ IF	5"

SIGNATURE OF OPERATOR'S REPRESENTATIVE: T Newell

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: LH Webber

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NAT.	K-380	14"
2.			14"
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
7"	Jap.	23/26 J55	146		12.00	5282	Cemented w/ 200 SX Cement.

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL			
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG			
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
BOILER			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8		

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK			
HRS. W/DP			
HRS. WO/DP			
HRS. STANDBY			
TOTAL DAY WORK			

WIRE LINE RECORD

REEL NO.	
NO. OF LINES	SIZE
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD	
	STANDS D.P.	FT.	BIT NO.	
	SINGLES D.P.	FT.	SIZE	
	D.C. I.D. O.D.	FT.	MFG.	
	D.C. I.D. O.D.	FT.	TYPE	
	STB. BODY O.D.	FT.	NOZZLE NO.	
	STB. BODY O.D.	FT.	NOZZLE SIZE	
	RMR. BODY O.D.	FT.	SER. NO.	
	SUBS O.D.	FT.	DEPTH OUT	
	BIT OR C.B.	FT.	DEPTH IN	
		FT.	TOTAL FTG.	
	KELLY DOWN	FT.	TOTAL HR. RUN	
	TOTAL	FT.	COND. OF BIT	
WT. OF STRING		LBS.	REAMER NO.	
			REAMER TYPE	

MUD RECORD

TIME				
WEIGHT				
VISC.-SEC				
W.L.-C.C.				
FLTR. CK.				
PH				
SD. CONT. %				
PRESSURE GRADIENT				
MUD & CHEMICALS ADDED	TYPE	AMT.	TYPE	AMT.

DRILLER Ron Snell

FOOTAGE

FROM	TO	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL-S PAR'EL-P COM'D-C
				Fuel 3' 4"								

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1200	2000	8	Run in To Find Freepoint & Back off String Wt. 130M & Run in To Find Back off Depth.
			Fuel 2900 gallons
			April 5- 600 gallons

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD	
	STANDS D.P.	FT.	BIT NO.	
	SINGLES D.P.	FT.	SIZE	
	D.C. I.D. O.D.	FT.	MFG.	
	D.C. I.D. O.D.	FT.	TYPE	
	STB. BODY O.D.	FT.	NOZZLE NO.	
	STB. BODY O.D.	FT.	NOZZLE SIZE	
	RMR. BODY O.D.	FT.	SER. NO.	
	SUBS O.D.	FT.	DEPTH OUT	
	BIT OR C.B.	FT.	DEPTH IN	
		FT.	TOTAL FTG.	
	KELLY DOWN	FT.	TOTAL HR. RUN	
	TOTAL	FT.	COND. OF BIT	
WT. OF STRING		LBS.	REAMER NO.	
			REAMER TYPE	

MUD RECORD

TIME	5.00	6.15	5.30
WEIGHT	10.3	10.1	10.2
VISC.-SEC	43	40	42
W.L.-C.C.			
FLTR. CK.	5.45		
PH (W)	10.2		
SD. CONT.	1/4	1/2	
PRESSURE GRADIENT			
MUD & CHEMICALS ADDED	TYPE	AMT.	TYPE AMT.

DRILLER

FOOTAGE

FROM	TO	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL-S PAR'EL-P COM'D-C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
600	900	1	Pull out Fishing Tool.
900	1230	3½	Trip out — Stand x Torque all Joints.
1230	130	1	Picked up 3 DC x Jars. Make up Bit.
130	400	2½	Run in w/ Bit.
			1 JT. off Flex weight Pin Damage.
			LEFT 15 DC + ALL TOOLS IN HOLE (LH)

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD	
	STANDS D.P.	FT.	BIT NO.	
	SINGLES D.P.	FT.	SIZE	
	D.C. I.D. O.D.	FT.	MFG.	
	D.C. I.D. O.D.	FT.	TYPE	
	STB. BODY O.D.	FT.	NOZZLE NO.	
	STB. BODY O.D.	FT.	NOZZLE SIZE	
	RMR. BODY O.D.	FT.	SER. NO.	
	SUBS O.D.	FT.	DEPTH OUT	
	BIT OR C.B.	FT.	DEPTH IN	
		FT.	TOTAL FTG.	
	KELLY DOWN	FT.	TOTAL HR. RUN	
	TOTAL	FT.	COND. OF BIT	
WT. OF STRING		LBS.	REAMER NO.	
			REAMER TYPE	

MUD RECORD

TIME				
WEIGHT				
VISC.-SEC				
W.L.-C.C.				
FLTR. CK				
PH				
SD. CONT. %				
PRESSURE GRADIENT				
MUD & CHEMICALS ADDED	TYPE	AMT.	TYPE	AMT.

DRILLER P

FOOTAGE

FROM	TO	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL-S PAR'EL-P COM'D-C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4.00	4.30	½	Broke Circ. x Tag Bottom.
4.30	6.00	1½	Circ
6.00	8.45	2¾	Trip out To Run Test
8.45	9.00	¼	Scr. Rig & Blind Rams
9.00	9:45	¾	Pick up DST #4 x Make up.
9.45	12.00	2¼	Run in w DST #4

DAILY DRILLING REPORT

REPORT NO. 11 DATE April 5-71

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
Mobil Oil CAN. LTD.	Mobil Hume River	A-09	Hume River	N.W.T	CANADA

CONTRACTOR: S & T DRILLING (WESTERN) CO. LTD. RIG NO. 1E

DRILL PIPE STRING: NO. 2 SIZE 4" TOOL JOINT O.D. 5" TYPE TH 3½ IF

SIGNATURE OF OPERATOR'S REPRESENTATIVE: L. Newell

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: R.A. Webber

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NAT.	K 350	14"
2.			14"
3.			

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
	7"	CAP.	23 J-55	146		1200	5282	Cemented with 200 Sax Cement

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL			
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG			
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
LOGGING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			
FISHING			
COMPLETION WORK: A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS		8	

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK			
HRS. W/DP			
HRS. WO/DP			
HRS. STANDBY			
TOTAL DAY WORK			

WIRE LINE RECORD

REEL NO.	
NO. OF LINES	SIZE
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	
	STANDS D.P.	FT.
	SINGLES D.P.	FT.
	D.C. I.D. O.D.	FT.
	D.C. I.D. O.D.	FT.
	STB. BODY O.D.	FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
		FT.
	KELLY DOWN	FT.
	TOTAL	FT.
WT. OF STRING		LBS.

BIT RECORD	
BIT NO.	
SIZE	
MFG.	
TYPE	
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HR. RUN	
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD			
TIME			
WEIGHT			
VISC.-SEC			
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT. %			
PRESSURE GRADIENT			
MUD & CHEMICALS ADDED			
TYPE	AMT.	TYPE	AMT.

DRILLER: Ron Sawell

FOOTAGE FROM	TO	DR.-D RM.-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
				Fuel 3' 10"								

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1200	2000	8	Rigging up Fishing Tools & Run in
			2800 gallons Hauled from River
			Used on Road April 5th 3500 gallons

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	
	STANDS D.P.	FT.
	SINGLES D.P.	FT.
	D.C. I.D. O.D.	FT.
	D.C. I.D. O.D.	FT.
	STB. BODY O.D.	FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
		FT.
	KELLY DOWN	FT.
	TOTAL	FT.
WT. OF STRING		LBS.

BIT RECORD	
BIT NO.	
SIZE	
MFG.	
TYPE	
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HR. RUN	
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD			
TIME			
WEIGHT			
VISC.-SEC			
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT. %			
PRESSURE GRADIENT			
MUD & CHEMICALS ADDED			
TYPE	AMT.	TYPE	AMT.

DRILLER: R. Henley

FOOTAGE FROM	TO	DR.-D RM.-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	4:00	8	Fishing & Trying to shot off Dillon Tap Test.
			1 JT of 4" DP COLAPSED WHILE WORKING TORQUE ~~HES~~ IN STRING TO BACK OFF LATCH

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	
	STANDS D.P.	FT.
	SINGLES D.P.	FT.
	D.C. I.D. O.D.	FT.
	D.C. I.D. O.D.	FT.
	STB. BODY O.D.	FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
		FT.
	KELLY DOWN	FT.
	TOTAL	FT.
WT. OF STRING		LBS.

BIT RECORD	
BIT NO.	
SIZE	
MFG.	
TYPE	
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HR. RUN	
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD			
TIME			
WEIGHT			
VISC.-SEC			
W.L.-C.C.			
FLTR. CK			
PH			
SD. CONT. %			
PRESSURE GRADIENT			
MUD & CHEMICALS ADDED			
TYPE	AMT.	TYPE	AMT.

DRILLER: Ron Sawell

FOOTAGE FROM	TO	DR.-D RM.-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	6:00	2	Fishing & Trying to shot off D.C. on tap Test
6:00	9:00	3	Wait on ORDERS
9:00	12:00	3	Pull out Fishing Tools & Work on Same

DAILY DRILLING REPORT

REPORT NO. 110 DATE April 4-71

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
Mobil Oil Can. LTD.	Mobil Oil Hume River	L-09	Hume River	N. W.T	CANADA

CONTRACTOR	RIG NO.	DRILL PIPE STRING NO.	DRILL PIPE STRING SIZE	TOOL JOINT	O.D.
S & T DRILLING (WESTERN) CO. LTD.	1E	2	4"	TYPE TH 3½ IF	5"

SIGNATURE OF OPERATOR'S REPRESENTATIVE: L. Hewell

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: L.H. Webber

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NAT.	K-380	14"
2.	NAT.	K-380	14"
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
7"	TAPP	29/33 J-55	146		12.00	5282	CEMENTED W/200 Sx.

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL			
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG			
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
BOILERING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER	8	8	8
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK			
HRS. W/DP			
HRS. WO/DP			
HRS. STANDBY			
TOTAL DAY WORK			

WIRE LINE RECORD

REEL NO.	
NO. OF LINES	SIZE
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
	STANDS D.P.	FT.
	SINGLES D.P.	FT.
	D.C. I.D. O.D.	FT.
	D.C. I.D. O.D.	FT.
	STB. BODY O.D.	FT.
	STF BODY O.D.	FT.
	RMR. BODY O.D.	FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
		FT.
	KELLY DOWN	FT.
	TOTAL	FT.
WT. OF STRING		LBS.

BIT RECORD

BIT NO.		
SIZE		
MFG.		
TYPE		
NOZZLE NO.		
NOZZLE SIZE		
SER. NO.		
DEPTH OUT		
DEPTH IN		
TOTAL FTG.		
TOTAL HR. RUN		
COND. OF BIT		
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME				
WEIGHT				
VISC.-SEC				
W.L.-C.C.				
FLTR. CK.				
PH				
SD. CONT. %				
PRESSURE GRADIENT				
MUD & CHEMICALS ADDED	TYPE	AMT.	TYPE	AMT.

DRILLER Ron Sewell

FOOTAGE

FROM	TO	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL-S PAR'EL-P COM'D-C
				Fuel 2' 5"								

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1200	800	8	Stuck in hole w/DST #3 Work Stuck pipe
			Fuel 1,900 gallons
			Fuel used April 3rd 623 gallons

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
	STANDS D.P.	FT.
	SINGLES D.P.	FT.
	D.C. I.D. O.D.	FT.
	D.C. I.D. O.D.	FT.
	STB. BODY O.D.	FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
		FT.
	KELLY DOWN	FT.
	TOTAL	FT.
WT. OF STRING		LBS.

BIT RECORD

BIT NO.		
SIZE		
MFG.		
TYPE		
NOZZLE NO.		
NOZZLE SIZE		
SER. NO.		
DEPTH OUT		
DEPTH IN		
TOTAL FTG.		
TOTAL HR. RUN		
COND. OF BIT		
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME				
WEIGHT				
VISC.-SEC				
W.L.-C.C.				
FLTR. CK.				
PH				
SD. CONT. %				
PRESSURE GRADIENT				
MUD & CHEMICALS ADDED	TYPE	AMT.	TYPE	AMT.

DRILLER R. Hanley

FOOTAGE

FROM	TO	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL-S PAR'EL-P COM'D-C

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
800	400	8	Stuck in hole w/ DST #3 Work Stuck pipe

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
	STANDS D.P.	FT.
	SINGLES D.P.	FT.
	D.C. I.D. O.D.	FT.
	D.C. I.D. O.D.	FT.
	STB. BODY O.D.	FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
		FT.
	KELLY DOWN	FT.
	TOTAL	FT.
WT. OF STRING		LBS.

BIT RECORD

BIT NO.		
SIZE		
MFG.		
TYPE		
NOZZLE NO.		
NOZZLE SIZE		
SER. NO.		
DEPTH OUT		
DEPTH IN		
TOTAL FTG.		
TOTAL HR. RUN		
COND. OF BIT		
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME				
WEIGHT				
VISC.-SEC				
W.L.-C.C.				
FLTR. CK				
PH				
SD. CONT. %				
PRESSURE GRADIENT				
MUD & CHEMICALS ADDED	TYPE	AMT.	TYPE	AMT.

DRILLER Ron Sewell

FOOTAGE

FROM	TO	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL-S PAR'EL-P COM'D-C

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
400	1115	7¼	Stuck in hole w/ DST #3 Work stuck pipe
1115	1200	¾	UNLOAD FISHING TOOLS OFF PLANE

DAILY DRILLING REPORT

REPORT NO. 107 DATE April 3-71

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
Mobil Oil Canada Ltd.	Mobil Hume River	2-09	Hume River	N.W.T	Canada

CONTRACTOR: S & T DRILLING (WESTERN) CO. LTD. — RIG NO.: 1E

DRILL PIPE STRING: NO. 2, SIZE 4" — TOOL JOINT O.D. 5" — TYPE THD. 3½ IF

SIGNATURE OF OPERATOR'S REPRESENTATIVE: T. Newell

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: L.B. Welker

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NAT	K-38	14"
2.			14"
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
7"	TAP	29/23 J-55	146		12.00	5282	Cemented w/200 sax

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL			
CLEAN OUT REAMING	1	3	
CONDITIONING MUD & CIRCULATING	1	1½	
TRIPS	5½	3¼	3
LUBRICATE RIG	½		
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
REAMING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			1¾
OTHER		¼	1
Work Fishing Pipe			2¼
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK			
HRS. W/DP			
HRS. WO/DP			
HRS. STANDBY			
TOTAL DAY WORK			

WIRE LINE RECORD

REEL NO.	
NO. OF LINES	SIZE
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		FT.
	STANDS D.P.	
	SINGLES D.P.	
	D.C. I.D. O.D.	
	D.C. I.D. O.D.	
	STB. BODY O.D.	
	STB. BODY O.D.	
	RMR. BODY O.D.	
	SUBS O.D.	
	BIT OR C.B.	
	KELLY DOWN	
	TOTAL	

WT. OF STRING ____ LBS.

BIT RECORD

BIT NO.	11
SIZE	6¼
MFG.	H-W
TYPE	OWC
NOZZLE NO.	3
NOZZLE SIZE	1/20
SER. NO.	17899
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HR. RUN	
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME		5:00
WEIGHT		10.3
VISC.-SEC		50.
W.L.-C.C.		
FL.TR. CK.		
PH		
SD. CONT. %		
PRESSURE GRADIENT		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
UNI CAL	250		
Sulfer Cal	250		

DRILLER: Ron Savill

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PART'L-P COM'D-C
				Fuel 3'—								

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12.00	2.15	2¼	Trip out
2.15	2.30	¼	Ser. Rig & BOPs Used 2523 gals
2.30	4.30	2	Trip in w/ Bit To 5200'
4.30	5.30	1	Circ Cond. Mud.
5.30	7.00	1½	Run in To 7717'
7.00	8.00	1	Clean out Bridge from 7717' To 7758'

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		FT.
	STANDS D.P.	
	SINGLES D.P.	
	D.C. I.D. O.D.	
	D.C. I.D. O.D.	
	STB. BODY O.D.	
	STB. BODY O.D.	
	RMR. BODY O.D.	
	SUBS O.D.	
	BIT OR C.B.	
	KELLY DOWN	
	TOTAL	

WT. OF STRING ____ LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HR. RUN	
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME		
WEIGHT		
VISC.-SEC		
W.L.-C.C.		
FL.TR. CK.		
PH		
SD. CONT. %		
PRESSURE GRADIENT		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: R. Hanley

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PART'L-P COM'D-C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8.00	11.00	3	Clean. To Bottom. 7758 To 8130
11.00	12.30	1½	Circ. hole. Cond. mud
12.30	3.45	3¼	Trip out & Layed ~~down~~ 12 singles.
3.45	4.00	¼	Make up Test

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		FT.
	STANDS D.P.	
	SINGLES D.P.	
	D.C. I.D. O.D.	
	D.C. I.D. O.D.	
	STB. BODY O.D.	
	STB. BODY O.D.	
	RMR. BODY O.D.	
	SUBS O.D.	
	BIT OR C.B.	
	KELLY DOWN	
	TOTAL	

WT. OF STRING ____ LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HR. RUN	
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME		
WEIGHT		
VISC.-SEC		
W.L.-C.C.		
FL.TR. CK		
PH		
SD. CONT. %		
PRESSURE GRADIENT		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: Ron Savill

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PART'L-P COM'D-C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4.00	5.00	1	Make up Test
5.00	8.00	3	Run in w/ DST.
8.00	9.45	1¾	Testing @
9.45	12.00	2¼	Stuck in hole w/ DST #3 Washs. Pipe

DAILY DRILLING REPORT

REPORT NO. 108 DATE April 2 - 71

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
Mobil Oil Can. LTD.	Mobil Oil Hume River	2-09	Hume River	N.W.T	CANADA

CONTRACTOR: S & T DRILLING (WESTERN) CO. LTD. RIG NO. 1E

DRILL PIPE STRING: NO. 2, SIZE 4½" — TOOL JOINT 5" O.D., TYPE THD. 3½IF

SIGNATURE OF OPERATOR'S REPRESENTATIVE: T. Newell

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: L.H. Webber

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NAT	K. 380	14"
2.	NAT	K. 380	14"
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
7"	JAP	26/23 J-55	146		12.00	5282	Cemented w/ 200 Sax

TIME DISTRIBUTION–HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL			
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS	3		
LUBRICATE RIG			
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
BORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST	2		
OTHER	3		
FISHING			
COMPLETION WORK: A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8		

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK			
HRS. W/DP			
HRS. WO/DP			
HRS. STANDBY			
TOTAL DAY WORK			

WIRE LINE RECORD

REEL NO.	
NO. OF LINES	SIZE
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
STANDS D.P.		FT.
SINGLES D.P.		FT.
D.C. I.D.	O.D.	FT.
D.C. I.D.	O.D.	FT.
STB. BODY	O.D.	FT.
STB. BODY	O.D.	FT.
RMR. BODY	O.D.	FT.
SUBS	O.D.	FT.
BIT OR C.B.		FT.
		FT.
KELLY DOWN		FT.
TOTAL		FT.
WT. OF STRING		LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HR. RUN	
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME				
WEIGHT				
VISC.-SEC				
W.L.-C.C.				
FLTR. CK.				
PH				
SD. CONT. %				
PRESSURE GRADIENT				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: Ron Sewell

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
8550				Fuel 41'								

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12.00	3.00	3	Break down Testing Tools & Service
3.00	6.00	3	Run in w/DST #2
6.00	8.00	2	Head up & Test.

Rig Fuel April 2 - 3735 gallon
Fuel used April 1 - 865 gallons

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
STANDS D.P.		FT.
SINGLES D.P.		FT.
D.C. I.D.	O.D.	FT.
D.C. I.D.	O.D.	FT.
STB. BODY	O.D.	FT.
STB. BODY	O.D.	FT.
RMR. BODY	O.D.	FT.
SUBS	O.D.	FT.
BIT OR C.B.		FT.
		FT.
KELLY DOWN		FT.
TOTAL		FT.
WT. OF STRING		LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HR. RUN	
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME				
WEIGHT				
VISC.-SEC				
W.L.-C.C.				
FLTR. CK.				
PH				
SD. CONT. %				
PRESSURE GRADIENT				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: R. Hanley

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
6.00	8.15	¼	Test
8.15	1.30	5¼	Pull Test Slow
1.30	6.00	3½	Serv. up Test & Layed Down & Loaded Plane.

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
STANDS D.P.		FT.
SINGLES D.P.		FT.
D.C. I.D.	O.D.	FT.
D.C. I.D.	O.D.	FT.
STB. BODY	O.D.	FT.
STB. BODY	O.D.	FT.
RMR. BODY	O.D.	FT.
SUBS	O.D.	FT.
BIT OR C.B.		FT.
		FT.
KELLY DOWN		FT.
TOTAL		FT.
WT. OF STRING		LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HR. RUN	
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME				
WEIGHT				
VISC.-SEC				
W.L.-C.C.				
FLTR. CK				
PH				
SD. CONT. %				
PRESSURE GRADIENT				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	250		
UNICAL	250		

DRILLER: Robbie & Ron

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12.00	5.00	1	Loaded Pump Drill & Motel on Plane
5.00	8.00	3	Run in Lay Open End Tubing Plug.
8.00	8.45	3/4	Break Circulation Clean to Bottom
8.45	10.00	1¼	Circulate Condition Mud.
10.00	11.00	1	Run 90 sax Cement Plug From 8550 to
11.00	12.00	1	Trip out 6 stands Break Circ & Trip out.

DAILY DRILLING REPORT

REPORT NO. 107 DATE April 1-1971

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
Mobil Oil Can. LTD.	Mobil Hume River	2-09	Hume River	N.W.T.	Canada

CONTRACTOR	RIG NO.	DRILL PIPE STRING NO.	DRILL PIPE STRING SIZE	TOOL JOINT	
S & T DRILLING (WESTERN) CO. LTD.	1-E	2	4½"	TYPE THD 3½ IF	5" O.D.

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
K. Moore.	A. B. Galanza

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NAT.	K-380	14"
2.		K-380	14"
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
7"	TAP.	29/23 J-55	146		12.00	5282	Cemented w/ 200 sx

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL			
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS		3½	6
LUBRICATE RIG	1/4		
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILLING LINE		½	
REPAIR RIG			
BOARING			
WIRE LINE LOGGING	1¼		
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST		3	2
OTHER W.O.O.	3/4	1	
FISHING			

COMPLETION WORK

A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK			
HRS. W/DP			
HRS. WO/DP			
HRS. STANDBY			
TOTAL DAY WORK			

WIRE LINE RECORD

REEL NO.	
NO. OF LINES	SIZE
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	
99	STANDS D.P.	3377.48 FT.
2	SINGLES D.P.	62.64 FT.
3	D.C. I.D. O.D.	85.85 FT.
	D.C. I.D. O.D.	FT.
1	STB. BODY O.D.	7.72 FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
1	SUBS B.I.T. O.D.	2.48 FT.
	BIT OR C.B.	FT.
		FT.
	KELLY DOWN	13.83 FT.
	TOTAL	8550.00 FT.
WT. OF STRING	105 M	LBS.

BIT RECORD	
BIT NO.	RR# 7
SIZE	6¼
MFG.	Smith
TYPE	SSS
NOZZLE NO.	
NOZZLE SIZE	3/18
SER. NO.	DF401
DEPTH OUT	
DEPTH IN	8550
TOTAL FTG.	
TOTAL HR. RUN	
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD		
TIME	6.00	7.30
WEIGHT	10.2	10.4
VISC.-SEC	59	59
W.L.-C.C.		7.4
FLTR. CK.		2/32
PH		10.0
SD. CONT. %		
PRESSURE GRADIENT		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER Lon Sewell

FOOTAGE FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
8550.				Fuel 4'-8"								

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
			Load @ River 5200 gallons @ Rig 4600
12.00	1.15	1¼	Logging
1.15	2.00	¾	Load out Logging Tools
2.00	2.15	¼	See Rig & Blind Rams
2.15	6.00	3¾	Run in Slow w/ Bit # RR 7 For C'lean out (No Fill)
6.00	7.30	1½	Circ Cond hole To Test.
7.30	8.00	½	Trip out To Run Test.

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	
	STANDS D.P.	FT.
	SINGLES D.P.	FT.
	D.C. I.D. O.D.	FT.
	D.C. I.D. O.D.	FT.
	STB. BODY O.D.	FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
		FT.
	KELLY DOWN	FT.
	TOTAL	FT.
WT. OF STRING		LBS.

BIT RECORD	
BIT NO.	
SIZE	
MFG.	
TYPE	
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HR. RUN	
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD		
TIME		
WEIGHT		
VISC.-SEC		
W.L.-C.C.		
FLTR. CK.		
PH		
SD. CONT. %		
PRESSURE GRADIENT		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER R. Hardy

FOOTAGE FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
8550												

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8.00	11.30	3½	Trip out To Run Test
11.30	12.00	½	Cut & Slip. 23' of Duly Line.
12.00	1.00	1	W.O.O.
1.00	2.00	1	Make up. D.S.T.
2.00	4.00	2	Run in w/ D.S.T.

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	
	STANDS D.P.	FT.
	SINGLES D.P.	FT.
	D.C. I.D. O.D.	FT.
	D.C. I.D. O.D.	FT.
	STB. BODY O.D.	FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
		FT.
	KELLY DOWN	FT.
	TOTAL	FT.
WT. OF STRING		LBS.

BIT RECORD	
BIT NO.	
SIZE	
MFG.	
TYPE	
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HR. RUN	
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD		
TIME		
WEIGHT		
VISC.-SEC		
W.L.-C.C.		
FLTR. CK		
PH		
SD. CONT. %		
PRESSURE GRADIENT		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER Lon Sewell

FOOTAGE FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4.00	5.00	1	Run in w/ D.S.T.
5.00	7.00	2	D.S.T. w/ B.J.
7.00	12.00	5	Pull out Slow — Tight hole

DAILY DRILLING REPORT

REPORT NO. 106 DATE MARCH 31-71

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
Mobil Oil Can. LTD.	Mobil Oil Hume River	2-09	Hume River.	N.W.T	CANADA

CONTRACTOR	RIG NO.	DRILL PIPE STRING NO.	DRILL PIPE STRING SIZE	TOOL JOINT O.D.	TYPE THD.
S & T DRILLING (WESTERN) CO. LTD.	1E	2	4"	5"	3½ IF

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
Dennis B Moore.	M B Valenza

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NAT	K-380	14"
2.	NAT	K-380	14"
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
7	JAP	20/23 J55	146		12.00	5282	CEMENTED W/200 SAX

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL			
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG			
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
LOGGING			
WIRE LINE LOGGING	8	4	7
RUNNING CASING & CEMENTING			
WAITING ON CEMENT / Logg Tool.			1
DRILL STEM TEST			
OTHER			
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	4	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK			
HRS. W/DP			
HRS. WO/DP			
HRS. STANDBY			
TOTAL DAY WORK			

WIRE LINE RECORD

REEL NO.	
NO. OF LINES	SIZE
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
	STANDS D.P.	FT.
	SINGLES D.P.	FT.
	D.C. I.D. O.D.	FT.
	D.C. I.D. O.D.	FT.
	STB. BODY O.D.	FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
		FT.
	KELLY DOWN	FT.
	TOTAL	FT.
WT. OF STRING		LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HR. RUN	
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	
WEIGHT	
VISC.-SEC	
W.L.-C.C.	
FLTR. CK.	
PH	
SD. CONT. %	
PRESSURE GRADIENT	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER Ron Snell

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
8550		D										

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12⁰⁰			Logging By Schlumberger

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
	STANDS D.P.	FT.
	SINGLES D.P.	FT.
	D.C. I.D. O.D.	FT.
	D.C. I.D. O.D.	FT.
	STB. BODY O.D.	FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
		FT.
	KELLY DOWN	FT.
	TOTAL	FT.
WT. OF STRING		LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HR. RUN	
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	
WEIGHT	
VISC.-SEC	
W.L.-C.C.	
FLTR. CK.	
PH	
SD. CONT. %	
PRESSURE GRADIENT	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER R. Hanby

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
8550												

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8⁰⁰	4⁰⁰	8	Logging w/ Schlumberger

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
	STANDS D.P.	FT.
	SINGLES D.P.	FT.
	D.C. I.D. O.D.	FT.
	D.C. I.D. O.D.	FT.
	STB. BODY O.D.	FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
		FT.
	KELLY DOWN	FT.
	TOTAL	FT.
WT. OF STRING		LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HR. RUN	
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	
WEIGHT	
VISC.-SEC	
W.L.-C.C.	
FLTR. CK	
PH	
SD. CONT. %	
PRESSURE GRADIENT	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER Ron.

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
8550												

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4⁰⁰	7⁰⁰	3	Logging w/ Schlumberger
7⁰⁰	8⁰⁰	1	WAIT ON Logg Tool.
8⁰⁰	12⁰⁰	4	Logging.

DAILY DRILLING REPORT

REPORT NO. 105 DATE 3-30-71

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
Mobil Oil Can. LTD	Mobil Oil Hume River	2-09	Hume River	N.W.T	CANADA

CONTRACTOR: S & T DRILLING (WESTERN) CO. LTD. — RIG NO.: 1E

DRILL PIPE STRING: NO. 2, SIZE 4½" — TOOL JOINT: 5" O.D., TYPE THD: 3½ IF

SIGNATURE OF OPERATOR'S REPRESENTATIVE: DB Moore

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: [illegible]

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NAT.	F-380	14"
2.	NAT.	F-380	14"
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
7"	JAP	29/23 J55	146		4200	5282	Cement w/200 SAX

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	3½		
REAMING			
CONDITIONING MUD & CIRCULATING	1		
TRIPS	2½	1½	
LUBRICATE RIG	¼		
DEVIATION SURVEY	¾		
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING		6½	8
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK			
HRS. W/DP			
HRS. WO/DP			
HRS. STANDBY			
TOTAL DAY WORK			

WIRE LINE RECORD

REEL NO.

NO. OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
83	STANDS D.P.	8371.48	FT.
	SINGLES D.P.		FT.
3	D.C. I.D. O.D.	85.85	FT.
1	D.C. Monel I.D. O.D.	18.62	FT.
2	STB. BODY O.D.	4.43	FT.
1	STB. O.D.	7.72	FT.
	RMR. BODY O.D.		FT.
1	SUBS X O.D.	.85	FT.
	BIT OR C.B.		FT.
1	Dyna Drill	24.06	FT.
	KELLY DOWN	30.99	FT.
	TOTAL	8550.00	FT.

WT. OF STRING 106M LBS.

BIT RECORD

BIT NO.	RR*	4
SIZE	6 7/32	
MFG.	Chris	
TYPE	☆	
NOZZLE NO.		
NOZZLE SIZE		
SER. NO.	EC 37105	
DEPTH OUT		
DEPTH IN	7792	
TOTAL FTG.	758	
TOTAL HR. RUN	85½	
COND. OF BIT		
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	10⁰⁰	3³⁰	4²⁰
WEIGHT	10.4	10.4	10.4
VISC.-SEC	54	55	61
W.L.-C.C.			
FLTR. CK.			
PH	10.5	10.5	10.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Super Col	800#		

DRILLER: Ron Snell

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO.2 LINER SIZE	PUMP NO.2 S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
8525	8550	D		Lost 3' 9" Bit RPM 340	15	6M	1650			5	62	
										X		
										14		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
8520	7°	S65E						

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12⁰⁰	12¹⁵	¼	DRLG. w/ Dyna D2.
12¹⁵	12³⁰	¼	Sca. Rig ✓ Hydril + Kelly Cock.
12³⁰	3⁴⁵	3¼	DRLG. w/ Dyna DRL.
3⁴⁵	4¹⁴⁵	1	Circ Cond. hole To Trip.
4¹⁴⁵	5³⁰	¾	Survey @ 8520'
5³⁰	8⁰⁰	2½	Trip out To Logg + Strap Tally

Lost @ Rig 8000
@ Strap 1450
@ Rig 2500
12950

March 29 Rig used 700 gallons

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

	STANDS D.P.	FT.
	SINGLES D.P.	FT.
	D.C. I.D. O.D.	FT.
	D.C. I.D. O.D.	FT.
	STB. BODY O.D.	FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
		FT.
	KELLY DOWN	FT.
	TOTAL	FT.

WT. OF STRING LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HR. RUN	
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME			
WEIGHT			
VISC.-SEC			
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: R. Hanly

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
8550												

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8⁰⁰	9.30	1½	Finished Trip out To Logg. + Strap Tally
9³⁰	4⁰⁰	6½	Logging w/ Schlumberger.
			Changed oil + Filters + Fuel Filters in All Motors

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

	STANDS D.P.	FT.
	SINGLES D.P.	FT.
	D.C. I.D. O.D.	FT.
	D.C. I.D. O.D.	FT.
	STB. BODY O.D.	FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
		FT.
	KELLY DOWN	FT.
	TOTAL	FT.

WT. OF STRING LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HR. RUN	
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME			
WEIGHT			
VISC.-SEC			
W.L.-C.C.			
FLTR. CK			
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: Ron Snell

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
8550												

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4⁰⁰	12⁰⁰		Logging w/ Schlumberger

DAILY DRILLING REPORT

REPORT NO. 104 DATE 3-24-71

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
Mobil Oil Can. LTD.	Mobil Oil Hume River.	L-09	Hume River	N.W.T	Canada

CONTRACTOR: S & T DRILLING (WESTERN) CO. LTD. RIG NO. 1E

DRILL PIPE STRING: NO. 2, SIZE 4½" TOOL JOINT: 5" O.D., TYPE THD. 3½ IF

SIGNATURE OF OPERATOR'S REPRESENTATIVE: D.G. Moore

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: [illegible]

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NAT.	K-380	14"
2.	NAT.	K-380	14"
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
7	JAP.	23# J-55	146		12.00	5282	Cemented w/200 sxs

TIME DISTRIBUTION–HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	7¾	7¼	7¾
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG	¼	¼	¼
DEVIATION SURVEY		¼	
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
CASING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK			
HRS. W/DP			
HRS. WO/DP			
HRS. STANDBY			
TOTAL DAY WORK			

WIRE LINE RECORD

REEL NO.	
NO. OF LINES	SIZE
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
87	STANDS D.P.		FT.
2	SINGLES D.P.	82.50+.95	FT.
3	D.C. I.D. O.D.	85.85	FT.
1	D.C. Monel O.D.	18.62	FT.
2	STB. BODY O.D.	4.43	FT.
1	STB. RMR. BODY O.D.	7.72	FT.
1	SUBS X O.D.	.85	FT.
	BIT OR C.B.		FT.
1	Dyna Drl	24.06	FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING	106 M		LBS.

BIT RECORD

BIT NO.	RR # 4		
SIZE	6 7/32		
MFG.	Chris		
TYPE	◇		
NOZZLE NO.			
NOZZLE SIZE			
SER. NO.	EC 37105		
DEPTH OUT			
DEPTH IN	7792		
TOTAL FTG.	638'		
TOTAL HR. RUN	67		
COND. OF BIT	Rund		
REAMER NO.			
REAMER TYPE			

MUD RECORD

TIME	1600	2400	700
WEIGHT	10.4#	10.4	10.2
VISC.–SEC	46	46	44
W.L.–C.C.			
FLTR. CK.			
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Hoteto Magio	650#		
Diesel Oil	1300#		
Caustic	100#		

DRILLER: Ron Saville

FOOTAGE

FROM	TO	DR.–D RM.–R CORE.–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.–S PAR'EL–P COM'D–C
8363	8420	D			15	6M	1600			5	62	S
				Fuel 4'5" Bit RPM 340						X		
										14		

DEVIATION RECORD: DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12.00	1.15	1¼	Drlg w/ Dyna Drill
1.15	1.30	¼	Ser Rig & 4" Pipe Rams + Kelly Cock.
1.30			DR26. w/ Dyna Drill

Fuel @ River 8000
Fuel @ Strip 1450
Fuel used March 28 1400 gals. Fuel @ Rig 4200
13,650

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
88	STANDS D.P.	8283.06	FT.
	SINGLES D.P.		FT.
3	D.C. I.D. O.D.	85.85	FT.
	D.C. Monel I.D. O.D.	18.62	FT.
2	STB. BODY O.D.	4.43	FT.
1	STB. BODY O.D.	7.72	FT.
	RMR. BODY O.D.		FT.
1	SUBS X O.D.	.85	FT.
		2406	FT.
	KELLY DOWN	41.00	FT.
	TOTAL	8465.54	FT.
WT. OF STRING	108 M.		LBS.

BIT RECORD

BIT NO.	RR # 4		
SIZE	6 7/32		
MFG.	Christensen		
TYPE	◇		
NOZZLE NO.			
NOZZLE SIZE			
SER. NO.	EC 37105		
DEPTH OUT			
DEPTH IN	7792		
TOTAL FTG.	673		
TOTAL HR. RUN	74¼		
COND. OF BIT	Run		
REAMER NO.			
REAMER TYPE			

MUD RECORD

TIME		2.00	
WEIGHT		10.3	
VISC.–SEC		48	
W.L.–C.C.		8.8	
FLTR. CK.		2/32	
PH		10	
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Lime	250#	CMC	50#
Pipe X	350#		
Caustic	110#		

DRILLER: R. Hunt

FOOTAGE

FROM	TO	DR.–D RM.–R CORE.–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PAR'EL–P COM'D–C
8420	8465	D			15	6	1700			5	62	S.
				DIT 7345						X		
										14"		

DEVIATION RECORD: DEPTH 8473 | DEV. 6¾ | DIRECTION S 66 E | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8.00	9.30	1½	Drlg w/ Dyna Drill.
9.30	10.00	½	Survey @ 8433 = 6
10.00	10.15	¼	Rig Serv. & BOPs.
10.15	4.00	5¾	Drlg w/ Dyna Drill.

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
88	STANDS D.P.		FT.
2	SINGLES D.P.	8345.38	FT.
3	D.C. I.D. O.D.	85.85	FT.
1	D.C. Monel I.D. O.D.	18.62	FT.
2	STB. BODY O.D.	4.43	FT.
1	STB. BODY O.D.	7.72	FT.
	RMR. BODY O.D.		FT.
1	SUBS X O.D.	.85	FT.
	BIT OR C.B.		FT.
1	Dyna Drl	24.06	FT.
	KELLY DOWN	38.09	FT.
	TOTAL	8525.00	FT.
WT. OF STRING	106 M		LBS.

BIT RECORD

BIT NO.	RR 4		
SIZE	6 7/32		
MFG.	Chris		
TYPE	◇		
NOZZLE NO.			
NOZZLE SIZE			
SER. NO.	EC 37105		
DEPTH OUT			
DEPTH IN	7792		
TOTAL FTG.	733'		
TOTAL HR. RUN	82		
COND. OF BIT	Run		
REAMER NO.			
REAMER TYPE			

MUD RECORD

TIME		8.00	11.00
WEIGHT		10.4	10.4
VISC.–SEC		46	47
W.L.–C.C.			
FLTR. CK			
PH		8.5	10.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: Roller Ron

FOOTAGE

FROM	TO	DR.–D RM.–R CORE.–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PAR'EL–P COM'D–C
8465	8525	D		60'	6	6	1700			5	62	S
										X		
				Bit 345						14		

DEVIATION RECORD: DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4.00	4.15	¼	R.g. Serv.
4.15	12.00	7¾	Drlg w/ Dyna Drill

DAILY DRILLING REPORT

REPORT NO: 103 DATE March 28-71

OPERATOR: Mobil Oil Canada LTD

LEASE: Mobil Oil Hume River

WELL NO.: 2-09 FIELD OR DIST.: Hume River COUNTY: N.W.T STATE: CANADA

CONTRACTOR: S & T DRILLING (WESTERN) CO. LTD. RIG NO.: 1E

DRILL PIPE STRING: NO. 2 SIZE 4" TOOL JOINT 5" O.D. TYPE THD. 3½ IF

SIGNATURE OF OPERATOR'S REPRESENTATIVE: [signature]

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: L.B. Malenfant

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NAT	K-380	14"
2.	NAT	K-380	14"
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
7"	JAP	20/23 J55	146			5282	Cemented w/ 500 sax

TIME DISTRIBUTION–HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	7¼	12½	4
REAMING Clean Hole to Btm			3¾
CONDITIONING MUD & CIRCULATING		½	½
TRIPS		5½	1¼
LUBRICATE RIG	¼		¼
DEVIATION SURVEY	½		
TEST B.O.P.			
CUT OFF DRILLING LINE			½
REPAIR RIG			
BORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
Waited for OTHER Dyna Drill		1	3¾
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK	24
HRS. W/DP	
HRS. WO/DP	
HRS. STANDBY	
TOTAL DAY WORK	

WIRE LINE RECORD

REEL NO.	
NO. OF LINES	SIZE
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
93	STANDS D.P.	7811.16	FT.
	SINGLES D.P.		FT.
	D.C. I.D. O.D.	438.89	FT.
15	D.C. Monel I.D. O.D.	18.62	FT.
1	STB. BODY O.D.	4.43	FT.
2	STB. BODY O.D.	6.75	FT.
1	RMR. BODY O.D.		FT.
1	SUBS O.D.	.85	FT.
	BIT OR C.B.		FT.
	Dyna Drill	25.06	FT.
	KELLY DOWN	17.24	FT.
	TOTAL	8322	FT.
WT. OF STRING	112M		LBS.

BIT RECORD

BIT NO.	RR #4
SIZE	6 7/32
MFG.	Chris
TYPE	◇
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	EC-137105
DEPTH OUT	
DEPTH IN	7792
TOTAL FTG.	530
TOTAL HR. RUN	54
COND. OF BIT	Run
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	1st	2nd	5th
WEIGHT	10.4	10.4	10.4
VISC.-SEC	46	47	47
W.L.-C.C.			
FL.TR. CK.			
PH	10.5	10.5	10.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
PROTECTO MAGIC			100#
CAUSTIC			100#
SUPER COL			250#

DRILLER: Ron Sewell

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
8260	8322	D			15	6	1700			5	62	S
				Fuel 5.5" Bit 345						X		
										14		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
8280	7¾°	S77E						

TIME LOG / ELAPSED TIME / DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

FROM	TO	ELAPSED TIME	DETAILS
1200	615	6¼	Drlg w/ Dyna Drill
615	630	¼	Ser. Rig ✓ B.O.P.'s ✓ Kelly Cock.
630	700	½	Survey @ 8280 (7¾° S77E)
700	800	1	Drlg w/ Dyna Drill

Fuel @ River 8000
Fuel @ Strip 1450
Fuel @ Rig 5000
15050 gallons

Fuel used March 27-71
900 gallons

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
93	STANDS D.P.	7811.16	FT.
	SINGLES D.P.		FT.
	D.C. I.D. O.D.	438.84	FT.
15	D.C. Monel I.D. O.D.	18.62	FT.
1	STB. BODY O.D.	4.43	FT.
2	STB. BODY O.D.	6.75	FT.
1	RMR. BODY O.D.		FT.
1	SUBS O.D.	.85	FT.
	BIT OR C.B.		FT.
	Dyna Drill	24.06	FT.
	KELLY DOWN	26.24	FT.
	TOTAL	8331	FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.	RR #4
SIZE	6 7/32
MFG.	Chris
TYPE	◇
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	EC137105
DEPTH OUT	
DEPTH IN	7792
TOTAL FTG.	539
TOTAL HR. RUN	55¼
COND. OF BIT	Good
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME			
WEIGHT	1		
VISC.-SEC	R		
W.L.-C.C.			
FL.TR. CK.			
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: R. Hendry

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
8322	8331				15		17			5	62	S
				Bit 345						X		
										14		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG / ELAPSED TIME / DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

FROM	TO	ELAPSED TIME	DETAILS
8.00	9.15	1¼	Drlg w/ Dyna Drill
9.15	9.45	½	Circ. hole to trip.
9.45	2.00	4¼	Trip out [illegible] Stand Back DRILL Collars (12)
2.00	3.00	1	Washed down Dyna Drill & Picked up new Jars
3.00	4.00	1	Run in w/ Dyna Drill & 3 drill Collars.

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
87	STANDS D.P.	8189.50	FT.
	SINGLES D.P.		FT.
3	D.C. I.D. O.D.	85.85	FT.
	D.C. Monel I.D. O.D.	18.62	FT.
2	STB. BODY O.D.	4.43	FT.
	STB. BODY O.D.	7.72	FT.
	RMR. BODY O.D.		FT.
1	SUBS O.D.	.85	FT.
	BIT OR C.B.		FT.
	Dyna Drill	24.06	FT.
	KELLY DOWN	31.97	FT.
	TOTAL	8363.00	FT.
WT. OF STRING	108M		LBS.

BIT RECORD

BIT NO.	RR #4
SIZE	6 7/32
MFG.	Chris
TYPE	◇
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	EC137105
DEPTH OUT	
DEPTH IN	7792
TOTAL FTG.	571
TOTAL HR. RUN	59¼
COND. OF BIT	Run
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	8th	10th	12th
WEIGHT	10.0	10.3	10.4
VISC.-SEC	55	47	47
W.L.-C.C.			
FL.TR. CK			
PH	10.5	10.5	10.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
PELTEX	150#		

DRILLER: Ron

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
8331	8363	D			15	6	1700			5	62	
				Bit RR #4 (2nd)			1600			X		
										14		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG / ELAPSED TIME / DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

FROM	TO	ELAPSED TIME	DETAILS
4.00	4.15	¼	Picked up Kelly & Break Circ. @ 2500'
4.15	5.00	¾	Run in from 2500' w/ Dyna Drill.
5.00	5.30	½	Slip 23' of Drlg Line.
5.30	5.45	¼	Break Circ. @ 5300'
5.45	6.15	½	Run in w/ Dyna Drill from 5300'
6.15	7.00	¾	Picked 11 singles
7.00	7.45	¾	Cleanning to Bottom.
745	830	¾	Drlg w/ Dyna Drill

8th 830 to 845 ¼ Ser. Rig ✓ BOPs
8th 12° 3¼ (W) Drlg w/ Dyna Drill

DAILY DRILLING REPORT

REPORT NO. 102 DATE 3-27-71

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
Mobil Oil Can. LTD.	Mobil Oil Hume River	L-09	Hume River	N.W.T.	CANADA

CONTRACTOR: S & T DRILLING (WESTERN) CO. LTD. RIG NO. 1E

DRILL PIPE STRING: NO. 2, SIZE 4" TYPE THD. 3½ IF — TOOL JOINT 5" O.D.

SIGNATURE OF OPERATOR'S REPRESENTATIVE: D. B. Moore

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: R. Halcrow

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NAT	K-380	14"
2.	NAT	K-380	14"
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
7"	Japp	29 & 35	146		12.00	5282	Cemented w/ 200 SAX
							Cement

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	4	7¾	6¾
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS	3¾		
LUBRICATE RIG	¼	¼	¼
DEVIATION SURVEY			¾
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			¼
SLIPPING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	8

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
80	STANDS D.P.		FT.
2	SINGLES D.P.	7593.00	FT.
15	D.C. I.D. O.D.	438.89	FT.
1	D.C. Monel I.D. O.D.	18.62	FT.
2	STB. BODY O.D.	11.43	FT.
1	STB. BODY O.D.	6.75	FT.
	RMR. BODY O.D.		FT.
1	SUBS O.D.	.85	FT.
	BIT OR C.B.		FT.
1	Dyna Drill	24.06	FT.
	KELLY DOWN	24.40	FT.
	TOTAL	8111	FT.
WT. OF STRING	110 M		LBS.

BIT RECORD

BIT NO.	RR # 2	
SIZE	6 7/32	
MFG.	Smith	
TYPE	F	
NOZZLE NO.	-	
NOZZLE SIZE		
SER. NO.	EC-137105	
DEPTH OUT		
DEPTH IN	7792	
TOTAL FTG.	319	
TOTAL HR. RUN	32¼	
COND. OF BIT	RUN	
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	1	500	700
WEIGHT	R	10.4	10.4
VISC.-SEC	1	46	47
W.L.-C.C.	P		
FLTR. CK.	P		
PH	1	10.5	10.5
SD. CONT. %	N		
PRESSURE GRADIENT	C		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: Ron Smith

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
8068	8111	R		113'	15	6	1700			5	62	S
					Bit 345					X		
										14		

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12.00	12.30	½	Dolg w/ Dyna Drill — Last 6' 1½"
12.30	4.15	3¾	Wiper trip to 5200 + Run in shoe.
4.15	4.30	¼	Ser Rig + BOPs
4.30	8.00	3½	Dolg w/ Dyna Drill

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
82	STANDS D.P.		FT.
1	SINGLES D.P.	7749.62	FT.
15	D.C. I.D. O.D.	438.89	FT.
1	D.C. Monel I.D. O.D.	18.62	FT.
2	STB. BODY O.D.	4.43	FT.
1	STB. BODY O.D.	6.75	FT.
	RMR. BODY O.D.		FT.
1	SUBS O.D.	.85	FT.
	BIT OR C.B.		FT.
1	Dyna Drill	24.06	FT.
	KELLY DOWN	16.78	FT.
	TOTAL	8260.00	FT.
WT. OF STRING	111 M		LBS.

BIT RECORD

BIT NO.	RR # 4	
SIZE	6 7/32	
MFG.	Smith	
TYPE	F	
NOZZLE NO.		
NOZZLE SIZE		
SER. NO.	EC 137605	
DEPTH OUT		
DEPTH IN	7792	
TOTAL FTG.	468	
TOTAL HR. RUN	46 3/4	
COND. OF BIT	Run	
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	400	600	900
WEIGHT	10.4		10.4
VISC.-SEC	47		46
W.L.-C.C.			
FLTR. CK			
PH	10.5		10.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: Ron

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
8190	8260	R			15	6	1700			5	62	
					Bit 345					X		
										14		

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	8190	8¾	E						

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4.00	4.45	¾	Survey @ 8190 8¾ E
4.45	5.00	¼	Rig Serv.
5.00	11.15	6¼	Drlg w/ Dyna Drill
11.15	11.30	¼	Change Stand Packing in No 2 pump.
11.30	12.00	½	Drlg w/ Dyna Drill

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK	
HRS. W/DP	
HRS. WO/DP	
HRS. STANDBY	
TOTAL DAY WORK	

WIRE LINE RECORD

REEL NO.	
NO. OF LINES	SIZE
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	

DAILY DRILLING REPORT

REPORT NO. 101 DATE September 26th/11

OPERATOR: Mobil Oil Canada Ltd

LEASE: Mobil Hume River L-09

WELL NO. L-09 | FIELD OR DIST. Hume River | COUNTY N.W.T | STATE

CONTRACTOR: S & T DRILLING (WESTERN) CO. LTD. | RIG NO. 1E

DRILL PIPE STRING: NO. 2 SIZE 4 | TOOL JOINT O.D. 5 | TYPE THD. 3½ IF

SIGNATURE OF OPERATOR'S REPRESENTATIVE: D.L. McCabe

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: K.B. Halcrow

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NSCO	K380	14"
2.	NSCO	K380	14"
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
7		26 J55	146		12.50	5282	Cemented w/ 50 sx

TIME DISTRIBUTION–HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	7	7	7
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG	¼	¼	¼
DEVIATION SURVEY	¾	¾	¾
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
SLIPPING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK			
HRS. W/DP			
HRS. WO/DP			
HRS. STANDBY			
TOTAL DAY WORK			

WIRE LINE RECORD

REEL NO.

NO. OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
78	STANDS D.P.	7342.25	FT.
	SINGLES D.P.		FT.
	D.C.		
15	I.D. 2¼ O.D. 6¼	438.89	FT.
1	D.C. Monel I.D. O.D.	18.62	FT.
2	STB. BODY O.D.	4.43	FT.
1	STB. BODY O.D.	6.75	FT.
	RMR. BODY O.D.		FT.
1	SUBS XO O.D.	.85	FT.
	BIT OR C.B.		FT.
1	Dyna Drill	24.06	FT.
	KELLY DOWN	41.04	FT.
	TOTAL	7937.86	FT.
WT. OF STRING	108M		LBS.

BIT RECORD

BIT NO.	RR4
SIZE	6 7/32
MFG.	Chris
TYPE	◇
NOZZLE NO.	7
NOZZLE SIZE	
SER. NO.	EC137105
DEPTH OUT	
DEPTH IN	7792
TOTAL FTG.	145
TOTAL HR. RUN	14¼
COND. OF BIT	Rim
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	10⁰⁰	4⁰⁰	7⁰⁰
WEIGHT	10.3	10.3	10.3
VISC.–SEC	49	48	47
W.L.–C.C.	6.4		6.4
FLTR. CK.	2/32		2/32
PH	10.5	10.5	10.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: D.L. McCabe

FOOTAGE

FROM	TO	DR.–D RM.–R CORE.–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.–S PAR'EL–P COM'D–C
7854	7937	D		Fmd 6'11"	15	6	1650	5½		5	62	S
				Bit Rpm 345				″		″		
								14		14		

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	7810	13°	N83E						

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12⁰⁰	12⁰⁵	¾	Pulled Survey @ 7810 – Changed bails to 90° Compass
12⁰⁵	2³⁰	1¾	Drlg 6 7/32 hole w/ dyna drill (13° N83E) O.K
2³⁰	2⁰⁵	¼	Pull Survey / Repair Kelly cock
2⁰⁵	8⁰⁰	5¼	Drlg 6 7/32 hole w/ dyna drill

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
79	STANDS D.P.		FT.
1	SINGLES D.P.	7469.59	FT.
	D.C.		
15	I.D. O.D.	438.89	FT.
1	D.C. Monel I.D. O.D.	18.62	FT.
2	STB. BODY O.D.	4.43	FT.
1	STB. BODY O.D.	6.75	FT.
	RMR. BODY O.D.		FT.
1	SUBS XO O.D.	.85	FT.
	BIT OR C.B.		FT.
1	Dyna Drill	24.06	FT.
	KELLY DOWN	39.14	FT.
	TOTAL	7987.00	FT.
WT. OF STRING	109M		LBS.

BIT RECORD

BIT NO.	RR #4
SIZE	6 7/32
MFG.	Chris
TYPE	◇
NOZZLE NO.	7
NOZZLE SIZE	
SER. NO.	EC137105
DEPTH OUT	
DEPTH IN	7792
TOTAL FTG.	195
TOTAL HR. RUN	21¼
COND. OF BIT	Rim
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	9⁰⁰	12⁰⁰	3⁰⁰
WEIGHT	10.3	10.3	10.4
VISC.–SEC	49	50	49
W.L.–C.C.	6.4		
FLTR. CK.	2/32		
PH	10.5	10.5	10.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: Ron Snell

FOOTAGE

FROM	TO	DR.–D RM.–R CORE.–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.–S PAR'EL–P COM'D–C
7937	7987	D		50'	15	6	1650			5	62	S
				Bit RPM 345						″		
										14		

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	7904	12°	N86E						

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8⁰⁰	8¹⁵	¼	See Rig ✓ BOP & Kelly Cock
8¹⁵	9⁰⁰	¾	Survey @ 7904 12° N86E
9⁰⁰	4⁰⁰	7	Drlg w/ Dyna drill

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
80	STANDS D.P.	7570.45	FT.
1	SINGLES D.P.	31.58	FT.
	D.C.		
15	I.D. O.D.	438.89	FT.
1	D.C. Monel I.D. O.D.	18.62	FT.
2	STB. BODY O.D.	4.43	FT.
1	STB. BODY O.D.	6.75	FT.
	RMR. BODY O.D.		FT.
1	SUBS XO O.D.	.85	FT.
	BIT OR C.B.		FT.
1	Dyna Drill	24.06	FT.
	KELLY DOWN	13.37	FT.
	TOTAL	8064	FT.
WT. OF STRING	109 M		LBS.

BIT RECORD

BIT NO.	RR #4
SIZE	6 7/32
MFG.	Chris
TYPE	◇
NOZZLE NO.	7
NOZZLE SIZE	
SER. NO.	EC137105
DEPTH OUT	
DEPTH IN	7792
TOTAL FTG.	276
TOTAL HR. RUN	28¼
COND. OF BIT	Rim
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	8⁰⁰	10⁰⁰	
WEIGHT	10.4	10.4	
VISC.–SEC	47	49	
W.L.–C.C.			
FLTR. CK			
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: Greg Rollie

FOOTAGE

FROM	TO	DR.–D RM.–R CORE.–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.–S PAR'EL–P COM'D–C
7987	8068	D			15	6M	1650			5	16	
					RPM 345					″		
										14		

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	7994	10¼	N88E						

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4⁰⁰	5³⁰	1½	Drilling w/ Dyna Drill
5³⁰	5⁴⁵	¼	See Rig ✓ BOP
5⁴⁵	8³⁰	2¾	Drlg w/ Dyna Drill
8³⁰	9¹⁵	¾	Survey @ 7994
9¹⁵	12⁰⁰	2¾	Drlg w/ Dyna Drill

DAILY DRILLING REPORT

REPORT NO. 100 DATE Nov 25/91

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
Mobil Oil Canada Ltd	Mobil Hume River L309	L-09	Hume River	N.W.T	

CONTRACTOR: S & T DRILLING (WESTERN) CO. LTD. — RIG NO. 1E

DRILL PIPE STRING: NO. 2, SIZE 4 — TOOL JOINT 5" O.D. — TYPE THD. 3½ IF

SIGNATURE OF OPERATOR'S REPRESENTATIVE: David B. Moore

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: A Balenga

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	N.S.C.O	K380	14
2.	N.S.C.O	K380	14
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
7		29/23 J55	146		12.50	5282	Cemented w/ 200 sax

TIME DISTRIBUTION–HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	6¾	¼	7
REAMING			
CONDITIONING MUD & CIRCULATING		½	
TRIPS	1	5¾	
LUBRICATE RIG	¼	¼	¼
DEVIATION SURVEY			¾
TEST B.O.P.			
CUT OFF DRILLING LINE		½	
REPAIR RIG			
BORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER		¾	
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK; HRS. W/DP; HRS. WO/DP; HRS. STANDBY; TOTAL DAY WORK

WIRE LINE RECORD

REEL NO.; NO. OF LINES SIZE; FEET SLIPPED; FEET CUT OFF; PRESENT LENGTH; TON MI. OR TRIPS SINCE LAST CUT; CUMULATIVE TON MI. OR TRIPS; NO. OF DAYS FROM SPUD; CUMULATIVE ROTATING HRS.

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
77	STANDS D.P.	7248.92	FT.
1	SINGLES D.P.	30.37	FT.
15	D.C. I.D. O.D.	438.89	FT.
	D.C. Monel I.D. O.D.	18.62	FT.
2	STB. BODY O.D.	5.55	FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
1	SUBS Float O.D.	2.48	FT.
	BIT OR C.B.		FT.
	Jars	6.75	FT.
	KELLY DOWN	41.00	FT.
	TOTAL	7792.58	FT.
WT. OF STRING	106m		LBS.

BIT RECORD

BIT NO.	RR3
SIZE	6 3/16
MFG.	Smith
TYPE	◇
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	EC13710
DEPTH OUT	7792
DEPTH IN	7686
TOTAL FTG.	106'
TOTAL HR. RUN	26¼
COND. OF BIT	Good
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	1:00	4:00	7:00
WEIGHT	10.3	10.3	10.3
VISC.-SEC	42	47	46
W.L.-C.C.	6.2		6.2
FLTR. CK.	2/32		2/32
PH	10.0		10.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Multiplex	50#		

DRILLER: A Balenga

FOOTAGE

FROM	TO	DR.–D RM.–R CORE–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.–S PAR'EL–P COM'D–C
7754	7792	D		Dwd 7'6"	60	16	1600	5½	55	5		S
								x		x		
								14		14		

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	12:15	¼	Rig Service & Bops
12:15	7:00	6¾	Drlg 6 3/16 hole
7:00	8:00	1	Hunt to pump dynadrill

NO.	DRILLING ASSEMBLY AT END OF TOUR		
77	STANDS D.P.	7248.92	FT.
1	SINGLES D.P.	30.37	FT.
15	D.C. I.D. O.D.	438.89	FT.
1	D.C. Monel I.D. O.D.	18.62	FT.
2	STB. BODY O.D.	4.43	FT.
1	STB. BODY O.D.	6.75	FT.
	RMR. BODY O.D.		FT.
1	SUBS XO O.D.	.85	FT.
	BIT OR C.B.		FT.
1	Dynadrill	24.06	FT.
	KELLY DOWN	19.11	FT.
	TOTAL	7792.00	FT.
WT. OF STRING	108M		LBS.

BIT RECORD

BIT NO.	RR3
SIZE	6 3/32
MFG.	Smith
TYPE	◇
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	EC13710 5
DEPTH OUT	
DEPTH IN	7792
TOTAL FTG.	—
TOTAL HR. RUN	¼
COND. OF BIT	Run
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME			
WEIGHT			
VISC.-SEC			
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: Ron Snell

FOOTAGE

FROM	TO	DR–D RM–R CORE–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.–S PAR'EL–P COM'D–C
7792	7792	D			15	4M	1600			5	62	
										x		
										14"		

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	10:30	2½	Trip to Run Dyna Drill
10:30	10:45	¼	Ser. Rig & Blind Rams
10:45	11:30	¾	Pick up Dyna Drill & make up Bit
11:30	2:00	2½	Run in To 5200
2:00	2:30	½	Slip 23' & Cut drilling line
2:30	3:15	¾	Run in To Bottom
3:15	3:45	½	Circulate Clean To Bottom
3:45	4:00	¼	Drlg w/ Dyna drill

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
78	STANDS D.P.	7342.25	FT.
	SINGLES D.P.		FT.
15	D.C. I.D. O.D.	438.89	FT.
	D.C. Monel I.D. O.D.	18.62	FT.
2	STB. BODY O.D.	4.43	FT.
	STB. BODY O.D.		FT.
	RMR. BODY Jars O.D.	6.75	FT.
	SUBS XO O.D.	.85	FT.
	BIT OR C.B.		FT.
	Dynadrill	24.06	FT.
	KELLY DOWN	18.15	FT.
	TOTAL	7854.00	FT.
WT. OF STRING	108m		LBS.

BIT RECORD

BIT NO.	RR#4
SIZE	6 3/32
MFG.	Smith
TYPE	◇
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	EC 137105
DEPTH OUT	
DEPTH IN	7792
TOTAL FTG.	62'
TOTAL HR. RUN	7¼
COND. OF BIT	Run
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	6:00	7:00	10:00
WEIGHT	10.3	10.3+	10.5+
VISC.-SEC	50	50	53
W.L.-C.C.			
FLTR. CK			
PH	10.5	10.5	11.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
CAUSTIC	100#		

DRILLER: Ron / Doug

FOOTAGE

FROM	TO	DR–D RM–R CORE–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.–S PAR'EL–P COM'D–C
7792	7854	D			15	5M	1600			5	62	S
										x		
										14		

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	7810	14°	N64E						

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	6:45	2¾	Drlg w/ Dyna drill
6:45	7:00	¼	Ser Rig & B.O.P.
7:00	10:00	3	Drlg w/ Dyna Drill
10:00	10:45	¾	Survey @ 7810 - 14° N64E (Believed to be Erroneous because of Change in Compass)
10:45	12:00	1¼	Drlg w/ dynadrill

DAILY DRILLING REPORT

REPORT NO. 99 DATE March 24/71

OPERATOR: Mobil Oil Canada Ltd

LEASE: Mobil Home Pass

CONTRACTOR: S & T DRILLING (WESTERN) CO. LTD.

RIG NO.: 1E

DRILL PIPE STRING: NO. 2, SIZE 4

TOOL JOINT: 5" O.D., TYPE THD. 3½ IF

WELL NO.: 1-09

FIELD OR DIST.: Home Plains

COUNTY: N.W.T.

STATE:

SIGNATURE OF OPERATOR'S REPRESENTATIVE: R. D. Moore

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: L. B. Valenza

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	N.S.C.O.	K380	14"
2.	N.S.C.O.	K380	14"
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
7		20/23 J55	146		12.50	5262	Cemented w/200 sxs

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	4¾	8	6¼
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS	2¾		
LUBRICATE RIG	¼		¼
DEVIATION SURVEY			½
TEST B.O.P.			
CUT OFF DRILLING LINE	¼		
REPAIR RIG			
[illegible]RING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER	¼		¾
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK	
HRS. W/DP	
HRS. WO/DP	
HRS. STANDBY	
TOTAL DAY WORK	

WIRE LINE RECORD

REEL NO.	
NO. OF LINES	SIZE
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
26	STANDS D.P.	7217.56	FT.
2	SINGLES D.P.		FT.
15	D.C. I.D.	O.D. 438.89	FT.
1	D.C. Monel I.D.	O.D. 18.62	FT.
3	STB. BODY	O.D. 5.55	FT.
	STB. BODY	O.D.	FT.
	RMR. BODY	O.D.	FT.
1	SUBS Float	O.D. 2.48	FT.
	BIT OR C.B.		FT.
	Jars	6.75	FT.
	KELLY DOWN	12.15	FT.
	TOTAL	7702.00	FT.
WT. OF STRING	106M		LBS.

BIT RECORD

BIT NO.	RR#3
SIZE	6 3/16
MFG.	Chris
TYPE	◇
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	EC13210
DEPTH OUT	
DEPTH IN	7686
TOTAL FTG.	16
TOTAL HR. RUN	4 3/6
COND. OF BIT	Rerun
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME		5:00	7:00
WEIGHT		10.3	10.3
VISC.-SEC		47	52
W.L.-C.C.		6.0	
FLTR. CK.		3/32	
PH		10.5	
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: R. D. Moore

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.—S PAR'EL-P COMP'D-C
7686	7702	D		3' fuel	55	16	1600	5½	55	5		S
								x		x		
								14		14		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	12:15	¼	Rig Service
12:15	2:00	1¾	Ream 3 stds off bit RR#3 - Dropped NBR - Pull 20 stds 2 slow pipe
2:00	2:15	¼	Slip 23' drlg line 28 B.S. total @ 2' 3 28' - Changed Jars
2:15	3:00	¾	Service 3 stds RR#3
3:00	3:15	¼	Clean to flow w/o bit
3:15	7:00	4¾	Drlg 6 3/16" hole

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
26	STANDS D.P.	7217.56	FT.
2	SINGLES D.P.		FT.
15	D.C. I.D.	O.D. 438.89	FT.
1	D.C. Monel I.D.	O.D. 18.62	FT.
3	STB. BODY	O.D. 5.55	FT.
	STB. BODY	O.D.	FT.
	RMR. BODY	O.D.	FT.
1	SUBS	O.D. 2.48	FT.
	BIT OR C.B.		FT.
	Jars	6.75	FT.
	KELLY DOWN	35.15	FT.
	TOTAL	7725.00	FT.
WT. OF STRING	106M		LBS.

BIT RECORD

BIT NO.	RR 3
SIZE	6 3/16
MFG.	Chris
TYPE	◇
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	EC12710
DEPTH OUT	
DEPTH IN	7686
TOTAL FTG.	39
TOTAL HR. RUN	12¾
COND. OF BIT	Rerun
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	9:00	12:00	3:00
WEIGHT	10.3	10.3	10.3
VISC.-SEC	54	49	49
W.L.-C.C.	6.0		
FLTR. CK.	2/32		
PH	11.0		
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
PEATEX	150#		
PROTECTO MAGIC			100#
DIESEL	22 BBLS.		

DRILLER: Ron Snell

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.—S PAR'EL-P COMP'D-C
7702	7725	D			55	16	1600	5½	55	5		S
								x		x		
								14		14		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	4:00	8	Drlg 6 3/16" hole
			Pumped 6,154 gallons Fuel from Anstey to Rig Tank
			8' Fuel in Rig tank
			8667 gallons

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
27	STANDS D.P.	7248.92	FT.
	SINGLES D.P.		FT.
15	D.C. I.D.	O.D. 438.89	FT.
1	D.C. Monel I.D.	O.D. 18.62	FT.
2	STB. BODY	O.D. 5.55	FT.
	STB. BODY	O.D.	FT.
	RMR. BODY	O.D.	FT.
1	SUBS Float	O.D. 2.48	FT.
	BIT OR C.B.		FT.
	Jars	6.75	FT.
	KELLY DOWN	32.79	FT.
	TOTAL	7754.00	FT.
WT. OF STRING	106M		LBS.

BIT RECORD

BIT NO.	RR#3
SIZE	6 3/16
MFG.	Chris
TYPE	◇
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	EC12710
DEPTH OUT	
DEPTH IN	7686
TOTAL FTG.	68
TOTAL HR. RUN	19½
COND. OF BIT	Rerun
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	6:00	10:00	12:00
WEIGHT	10.4	10.3+	10.3
VISC.-SEC	55	49	49
W.L.-C.C.	6.2		6.2
FLTR. CK	2/32		2/32
PH	11.0	10.0	10.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: Ron & Gary

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.—S PAR'EL-P COMP'D-C
7725	7754	D			55	16	1600	5½	55	5		
								x		x		
								14		14		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
7730'	1/4°	N81E						

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1:00	5:30	1½	Drlg 6 3/16 hole
5:30	5:45	¼	Slip Rig ✓ BOP
5:45	6:15	½	Survey @ 7730 N81E
6:15	10:45	4½	Drlg 6 3/16" hole
10:45	11:30	¾	Change rubber guard & packing (Maintenance on Swivel)
11:30	1:00	1½	Drlg 6 3/16 hole

KODAK SAFETY FILM

DAILY DRILLING REPORT

REPORT NO. 98 DATE March 29/70

OPERATOR: Mobil Oil Canada Ltd

LEASE: Mobil Hume Pool L-09

WELL NO. L-09 | FIELD OR DIST. Hume Pool | COUNTY N.W.T | STATE

CONTRACTOR: S & T DRILLING (WESTERN) CO. LTD. | RIG NO. 1E

DRILL PIPE STRING: NO. 2 SIZE 4 | TOOL JOINT O.D. 5" | TYPE THD. 3½ IF

SIGNATURE OF OPERATOR'S REPRESENTATIVE: A. Llewellyn

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: [illegible]

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	A.S.C.O	K380	14"
2.	" S.C.O	K380	14"
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
7		20/23 J55	146		12.50	5282	Cemented w/200 sax

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	7½	7½	3½
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			6½
LUBRICATE RIG	½	½	½
DEVIATION SURVEY	½		½
TEST B.O.P.			½
CUT OFF DRILLING LINE			
REPAIR RIG			
BOILERING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			
FISHING			

COMPLETION WORK: A. PERFORATING; B. TUBING TRIPS; C. SWABBING; D. TESTING; E. ADDITIONAL

TOTALS 8 8 8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK

HRS. W/DP

HRS. WO/DP

HRS. STANDBY

TOTAL DAY WORK

WIRE LINE RECORD

REEL NO.

NO. OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
25	STANDS D.P.		7123.29 FT.
2	SINGLES D.P.		FT.
15	D.C. 2¼ I.D. 5" O.D.		438.59 FT.
	D.C. Monel I.D. O.D.		18.62 FT.
	STB. BODY O.D.		9.40 FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
1	SUBS Hoist O.D.		2.48 FT.
	BIT OR C.B.		FT.
1	Jars		6.75 FT.
	KELLY DOWN		31.57 FT.
	TOTAL		7631.00 FT.

WT. OF STRING 105M LBS.

BIT RECORD

BIT NO.	10
SIZE	6¼
MFG.	Smith
TYPE	555
NOZZLE NO.	3
NOZZLE SIZE	16
SER. NO.	EW226
DEPTH OUT	
DEPTH IN	7573
TOTAL FTG.	58
TOTAL HR. RUN	13½
COND. OF BIT	2-2
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	100	4 PM.	7 AM.
WEIGHT	10.3	10.3	10.3
VISC.-SEC	48	48	46
W.L.-C.C.	6.0		6.0
FL.TR. CK.	2/32		2/32
PH	10.5	10.5	10.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER [illegible]

FOOTAGE

FROM	TO	DR.-D RM.-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
7597	7631	D		Dol 3'6"	45	20	1350	5½		5	65	S
								X		X		
								14		14		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
7608	14 3/4	N81E						

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12 00	2 45	2¾	Drlg 6¼" hole
2 45	3 00	¼	Rig Service / Repair Kelly cock
3 00	3 30	½	Surveys @ 7608 14¾° N81E
3 30	8 00	4½	Drlg 6¼" hole

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
76	STANDS D.P.		7154.77 FT.
	SINGLES D.P.		FT.
15	D.C. I.D. O.D.		438.89 FT.
1	D.C. Monel I.D. O.D.		18.62 FT.
3	STB. BODY O.D.		9.40 FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
1	SUBS O.D.		2.48 FT.
	BIT OR C.B.		FT.
1	Jars		6.75 FT.
	KELLY DOWN		39.09 FT.
	TOTAL		7670.00 FT.

WT. OF STRING 105M LBS.

BIT RECORD

BIT NO.	10
SIZE	6¼
MFG.	Smith
TYPE	555
NOZZLE NO.	3
NOZZLE SIZE	16
SER. NO.	EW226
DEPTH OUT	
DEPTH IN	7573
TOTAL FTG.	97
TOTAL HR. RUN	21¼
COND. OF BIT	RUN
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	900	12 00
WEIGHT	10.3	10.3
VISC.-SEC	44	47
W.L.-C.C.	6.0	
FL.TR. CK.	2/32	
PH	10.5	11.0
SD. CONT. %		
PRESSURE GRADIENT		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
CAUSTIC	100#		
SUPER CD	700#		
FELTEX	200#		

DRILLER Ron Snell

FOOTAGE

FROM	TO	DR.-D RM.-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
7631	7670	D		39'	45	20	1350	5½		5	65	
								X		X		
								14		14		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8 00	9 45	1¾	Drlg 6¼" hole
9 45	10 10	¼	Tok Rig V Hydril & Kelly Cock
10 00	4 00	6	Drlg 6¼" hole

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
76	STANDS D.P.		7154.77 FT.
1	SINGLES D.P.		31.00 FT.
15	D.C. I.D. O.D.		438.89 FT.
	D.C. Monel I.D. O.D.		18.62 FT.
3	STB. BODY O.D.		9.40 FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
1	SUBS Hoist O.D.		2.48 FT.
	BIT OR C.B.		FT.
1	Jars		6.75 FT.
	KELLY DOWN		23.73 FT.
	TOTAL		7686.00 FT.

WT. OF STRING 105M LBS.

BIT RECORD

BIT NO.	10
SIZE	6¼
MFG.	Smith
TYPE	555
NOZZLE NO.	3
NOZZLE SIZE	3/16
SER. NO.	EW226
DEPTH OUT	7686
DEPTH IN	7573
TOTAL FTG.	113'
TOTAL HR. RUN	24¾
COND. OF BIT	3-7-1
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	500	8 00
WEIGHT	10.3	10.3
VISC.-SEC	46	46
W.L.-C.C.		6.0
FL.TR. CK		2/32
PH		11.0
SD. CONT. %		
PRESSURE GRADIENT		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER Ron S

FOOTAGE

FROM	TO	DR.-D RM.-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
7670	7686	D			45	20	1350	5½		5	65	S
								X		X		
								14		14		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4 00	4 30	½	Drlg 6¼" hole
4 30	4 45	¼	Ser. Rig V BOPs
4 45	5 15	½	Survey @ 7672
5 15	8 15	3	Drlg 6¼" hole
8 15	11 45	3½	Hoist out #10
11 45	12 00	¼	V Rams

DAILY DRILLING REPORT

REPORT NO. 97 DATE Mar 22/71

OPERATOR: Mobil Oil Canada Ltd

LEASE: Mobil Hume River

WELL NO. L-09 | FIELD OR DIST. Hume River | COUNTY N.W.T. | STATE

CONTRACTOR: S & T DRILLING (WESTERN) CO. LTD. | RIG NO. 1E

DRILL PIPE STRING: NO. 2 SIZE 4 | TOOL JOINT 5" O.D. | TYPE THD. 3½ IF

SIGNATURE OF OPERATOR'S REPRESENTATIVE: [signature]

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: [signature]

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	N.S.C.O.	K 380	14"
2.	N.S.C.O.	K 380	14"
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
7		29/23 J55	146		12.50	5282	Cemented w/200 SAX

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	7¼	3	6¼
REAMING			
CONDITIONING MUD & CIRCULATING		½	
TRIPS		[illegible]	1½
LUBRICATE RIG	¼	½	½
DEVIATION SURVEY	½		
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
BORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK			
HRS. W/DP			
HRS. WO/DP			
HRS. STANDBY			
TOTAL DAY WORK			

WIRE LINE RECORD

REEL NO.

NO. OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
75	STANDS D.P.	7059.89 FT.
	SINGLES D.P.	FT.
15	D.C. 2¼ I.D. 5" O.D.	438.89 FT.
	D.C. Monel I.D. O.D.	18.62 FT.
1	STB. BODY O.D.	9.40 FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
1	SUBS O.D.	2.48 FT.
	BIT OR C.B.	FT.
1	Jars	6.75 FT.
	KELLY DOWN	23.97 FT.
	TOTAL	7560.00 FT.

WT. OF STRING 104M LBS.

BIT RECORD

BIT NO.		9
SIZE		6¼
MFG.		Smith
TYPE		SS5
NOZZLE	NO.	3
	SIZE	16
SER. NO.		CB225
DEPTH OUT		
DEPTH IN		7437
TOTAL FTG.		123
TOTAL HR. RUN		23½
COND. OF BIT		Rem
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	1:00	3:00	7:00
WEIGHT	10.3	10.3	10.3
VISC.-SEC	47	46	46
W.L.-C.C.	6.0		6.0
FLTR. CK.	2/32		2/32
PH	10.5		10.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Supercol	250#		

DRILLER [signature]

FOOTAGE

FROM	TO	DR. RM. CORE.	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'EL.-P COM'D.-C
7525	7560	D			45	30	1350	5½		5	65	S
								X		X		
								14		14		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
7545	15½°	N80E						

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1200	1215	¼	Ria Survey / Bypass
1215	0415	4	Drlg 6¼" hole
0415	0445	½	Survey 7545' 15½° N80E
0445	0800	3¼	Drlg 6¼" hole

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
75	STANDS D.P.	7059.89 FT.
	SINGLES D.P.	FT.
15	D.C. I.D. O.D.	438.81 FT.
	D.C. Monel I.D. O.D.	18.62 FT.
3	STB. BODY O.D.	9.40 FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
1	SUBS O.D.	2.48 FT.
	BIT OR C.B.	FT.
1	Jars	6.75 FT.
	KELLY DOWN	36.97 FT.
	TOTAL	7573.00 FT.

WT. OF STRING 104M LBS.

BIT RECORD

BIT NO.		9
SIZE		6¼
MFG.		Smith
TYPE		SS5
NOZZLE	NO.	3
	SIZE	11/16
SER. NO.		CG295
DEPTH OUT		7573
DEPTH IN		7437
TOTAL FTG.		136
TOTAL HR. RUN		26¾
COND. OF BIT		2-8-1
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	9:00	12:00	3:00
WEIGHT	10.9		A
VISC.-SEC	45		R
W.L.-C.C.	6.0		
FLTR. CK.	2/32		R
PH	10.5		R
SD. CONT. %	6.5		T
PRESSURE GRADIENT			N
			O

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER Ron Smith

FOOTAGE

FROM	TO	DR. RM. CORE.	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'EL.-P COM'D.-C
7560	7573	R			45	20	1350	5½		5	65	S
								X		X		
								14		14		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
800	1100	3	Drlg 6¼" hole
1100	1130	½	Circulate Sample
1130	2000	8½	Trip for Bit
2000	2015	¼	Set Rig / BLIND Rams
2015	0400	7¾	Run in w/BIT #10

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
75	STANDS D.P.	7059.89 FT.
1	SINGLES D.P.	29.27 FT.
15	D.C. I.D. O.D.	438.89 FT.
	D.C. Monel I.D. O.D.	18.62 FT.
3	STB. BODY O.D.	9.40 FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
1	SUBS O.D.	2.48 FT.
	BIT OR C.B.	FT.
1	Jars	6.75 FT.
	KELLY DOWN	29.27 FT.
	TOTAL	7597.00 FT.

WT. OF STRING 105M LBS.

BIT RECORD

BIT NO.		10
SIZE		6¼
MFG.		Smith
TYPE		SS5
NOZZLE	NO.	3
	SIZE	11/16
SER. NO.		EW226
DEPTH OUT		
DEPTH IN		7573
TOTAL FTG.		24'
TOTAL HR. RUN		6¼
COND. OF BIT		Rem
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	6:00	9:00	12:00
WEIGHT	10.3	10.3	10.3
VISC.-SEC	45	47	50
W.L.-C.C.			
FLTR. CK			
PH	10.5	10.5	10.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
		D. SCI	18BL
SUPER COL	200#		
BARITE	100#		

DRILLER Ron S

FOOTAGE

FROM	TO	DR. RM. CORE.	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'EL.-P COM'D.-C
7573	7597	R			45	12/20	1350	5½		5	65	S
								X		X		
								14		14		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
400	415	¼	Ser. Rig / BOPs checked Rig Service Okay
415	545	1½	Run in w/BIT #10
545	1200	6¼	Drlg 6¼" hole.

DAILY DRILLING REPORT

REPORT NO. 96 DATE March 21/70

OPERATOR: Imperial Oil Canada Ltd

LEASE: Imperial Home Quest

CONTRACTOR: S & T DRILLING (WESTERN) CO. LTD.

RIG NO.: 1E

DRILL PIPE STRING: NO. 2 SIZE 4

TOOL JOINT: 5" O.D. TYPE THD. 3½ IF

SIGNATURE OF OPERATOR'S REPRESENTATIVE: A. Mundell

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: L. Belanger

WELL NO. L-079 FIELD OR DIST. Homer Quest COUNTY N.W.T STATE

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	N.S.C.O	K380	14"
2.	N.S.C.O	K380	14"
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
7		23 J55	146		12.50	5282	Cemented w/200 sacks

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	1½	7¼	¼
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS	6		
LUBRICATE RIG	½	½	½
DEVIATION SURVEY		½	
TEST B.O.P.	½		
CUT OFF DRILLING LINE			
REPAIR RIG			
BORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK			
HRS. W/DP			
HRS. WO/DP			
HRS. STANDBY			
TOTAL DAY WORK			

WIRE LINE RECORD

REEL NO.

NO. OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
73	STANDS D.P.		6 FT.
2	SINGLES D.P.	1643.30	FT.
	D.C. I.D. O.D.		
15	D.C. I.D. O.D.	438.89	FT.
	Gyro I.D. O.D.	18.62	FT.
3	STB. BODY O.D.	9.40	FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
1	SUBS Float O.D.	2.48	FT.
	BIT OR C.B.		FT.
1	Float	6.75	FT.
	KELLY DOWN	39.80	FT.
	TOTAL	7447.00	FT.

WT. OF STRING 102M LBS.

BIT RECORD

BIT NO.	8	9	
SIZE	6¼	✓	
MFG.	Smith	✓	
TYPE	555	✓	
NOZZLE NO.	3	✓	
NOZZLE SIZE	16	✓	
SER. NO.	CA312	CG275	
DEPTH OUT	7437		
DEPTH IN	7299	7437	
TOTAL FTG.	138'	10'	
TOTAL HR. RUN	25¾	1½	
COND. OF BIT	2-8-1	Run	
REAMER NO.			
REAMER TYPE			

MUD RECORD

TIME			7⁰⁰
WEIGHT			10.3
VISC.-SEC			46
W.L.-C.C.			6.0
FLTR. CK.			2/32
PH			10.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER L. Belanger

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'EL.-P COM'D.-C
7437	7447	D		Quad 4'8	45	20	1350	5½		5	65	S
								×		×		
								14		14		

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12⁰⁰	12¹⁵	¼	Rig Service, ✓ Bops
12¹⁵	3⁴⁵	3½	Hoist bit #8
3⁴⁵	4⁰⁰	¼	✓ Bops ; NBR: Stabs
4⁰⁰	6³⁰	2½	Run 2nd w/ bit #9
6³⁰	8⁰⁰	1½	Dailg 6¼" hole

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
71	STANDS D.P.		FT.
1	SINGLES D.P.	7001.03	FT.
	D.C. I.D. O.D.		
15	D.C. I.D. O.D.	438.89	FT.
1	Gyro I.D. O.D.	18.62	FT.
3	STB. BODY O.D.	9.40	FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
1	SUBS O.D.	2.48	FT.
	BIT OR C.B.		FT.
1	Float	6.75	FT.
	KELLY DOWN	9.83	FT.
	TOTAL	7483.00	FT.

WT. OF STRING 102M LBS.

BIT RECORD

BIT NO.	9		
SIZE	6¼		
MFG.	Smith		
TYPE	555		
NOZZLE NO.	3		
NOZZLE SIZE	16		
SER. NO.	CG275		
DEPTH OUT			
DEPTH IN	7437		
TOTAL FTG.	46'		
TOTAL HR. RUN	11½		
COND. OF BIT	8-4		
REAMER NO.	Run		
REAMER TYPE			

MUD RECORD

TIME	9⁰⁰	12⁰⁰	3⁰⁰
WEIGHT	10.3	10.3	10.3
VISC.-SEC	46	46	46
W.L.-C.C.	6.0		
FLTR. CK.	2/32		
PH	10.5	10.5	10.5
SD. CONT. %	.65		
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
PROTECTO		MAGCO	100#
Gel	2BBL		

DRILLER Ben Savill

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'EL.-P COM'D.-C
7447	7483	D			45	20	1350	5½		5"	65	
								×		×		
								14		14		

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	7482	¾°							

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8⁰⁰	8¹⁵	¼	Dailg 6¼" hole
8¹⁵	8³⁰	¼	Ser Rig ; BOPs & Kelly Cock
8³⁰	3¹⁵	6¾	Dailg 6¼" hole
3¹⁵	3⁴⁵	½	Survey @ 7482
3⁴⁵	4⁰⁰	¼	Dailg 6¼" Hole

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
74	STANDS D.P.		24 FT.
2	SINGLES D.P.	1032.24	FT.
	D.C. I.D. O.D.		
15	D.C. I.D. O.D.	438.89	FT.
	Gyro I.D. O.D.	18.62	FT.
3	STB. BODY O.D.	9.40	FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
1	SUBS Float O.D.	2.48	FT.
	BIT OR C.B.		FT.
1	Float	6.75	FT.
	KELLY DOWN	20.57	FT.
	TOTAL	7525.00	FT.

WT. OF STRING 103M LBS.

BIT RECORD

BIT NO.	9		
SIZE	6¼		
MFG.	Smith		
TYPE	555		
NOZZLE NO.	3		
NOZZLE SIZE	16		
SER. NO.	CG275		
DEPTH OUT			
DEPTH IN	7437		
TOTAL FTG.	88'		
TOTAL HR. RUN	16½		
COND. OF BIT	Run		
REAMER NO.			
REAMER TYPE			

MUD RECORD

TIME	5⁰⁰	8⁰⁰	11⁰⁰
WEIGHT	10.3	10.3	10.3
VISC.-SEC	48	47	48
W.L.-C.C.		6.0	
FLTR. CK		2/32	
PH		10.5	
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER Ben & Day

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'EL.-P COM'D.-C
7483	7525	D			45	20	1350	5½		5"	65	S
								×		×		
								14		14		

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4⁰⁰	10⁰⁰	6	Dailg 6¼" Hole
10⁰⁰	10¹⁵	¼	Rig Service ✓ Bops ; Kelly cock
10¹⁵	12⁰⁰	1¾	Dailg 6¼" Hole

DAILY DRILLING REPORT

REPORT NO. 95 DATE Nov 20/71

OPERATOR: Mobil Oil Canada Ltd
LEASE: Mobil Home Runs
WELL NO.: L-09
FIELD OR DIST.: Home Runs
COUNTY: W. W. T
STATE:
CONTRACTOR: S & T DRILLING (WESTERN) CO. LTD.
RIG NO.: 1E
DRILL PIPE STRING: NO. 2, SIZE 4
TOOL JOINT: 5" O.D., TYPE THD 3½ IF
SIGNATURE OF OPERATOR'S REPRESENTATIVE: J. Newell
SIGNATURE OF CONTRACTOR'S TOOL PUSHER: V. B. Galanza

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	N.S.CO	K380	14"
2.	N.S.CO	K380	14"
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
7		29/23 J55	146		12.50	5782	Cemented w/200 SAX

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	7¾	7¾	7¾
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG	¼	¼	¼
DEVIATION SURVEY		½	½
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
[illegible]RING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			
FISHING			
COMPLETION WORK: A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK	
HRS. W/DP	
HRS. WO/DP	
HRS. STANDBY	
TOTAL DAY WORK	

WIRE LINE RECORD

REEL NO.	
NO. OF LINES	SIZE
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
22	STANDS D.P.		4949 FT.
2	SINGLES D.P.		68.26 FT.
	D.C.		
15	6¼ I.D. O.D.		438.89 FT.
	D.C.		
	[illegible] I.D. O.D.		18.62 FT.
3	STB. BODY O.D.		9.40 FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
1	SUBS [illegible] O.D.		2.38 FT.
	BIT OR C.B.		FT.
	Jars		6.75 FT.
	KELLY DOWN		41.00 FT.
	TOTAL		7335.63 FT.
WT. OF STRING	100M		LBS.

BIT RECORD

BIT NO.		8
SIZE		6¼
MFG.		Smith
TYPE		555
NOZZLE	NO.	3
	SIZE	16
SER. NO.		CA312
DEPTH OUT		
DEPTH IN		7299
TOTAL FTG.		56
TOTAL HR. RUN		11¼
COND. OF BIT		Run
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	1[illegible]	4[illegible]	7[illegible]
WEIGHT	10.3	10.3	10.3
VISC.-SEC	46	45	45
W.L.-C.C.	6.0		6.0
FLTR. CK.	2/32		2/32
PH	10.5		10.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: [illegible]

FOOTAGE

FROM	TO	DR.D RM.R CORE.C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO.1 LINER SIZE	PUMP NO.1 S.P.M.	PUMP NO.2 LINER SIZE	PUMP NO.2 S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
7319	7355	D		Dwk 5'3"	45	20	1350	5½		5	65	S
								X		X		
								14		14		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12[illegible]	12[illegible]5	¾	Dwlg 6¼" hole
12[illegible]5	1[illegible]	¼	Rig Service, ✓ Bops & Kelly cock
1[illegible]	8[illegible]	7	Dwlg 6¼" hole

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
23	STANDS D.P.		FT.
1	SINGLES D.P.	6901.35	FT.
	D.C.		
15	I.D. O.D.	438.89	FT.
	D.C.		
1	[illegible] I.D. O.D.	18.62	FT.
	STB. BODY O.D.	9.40	FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
1	SUBS [illegible] O.D.	2.38	FT.
	BIT OR C.B.		FT.
1	Jars	6.75	FT.
	KELLY DOWN	16.51	FT.
	TOTAL	7394.00	FT.
WT. OF STRING	100M		LBS.

BIT RECORD

BIT NO.		9
SIZE		6¼
MFG.		Smith
TYPE		555
NOZZLE	NO.	3/16
	SIZE	
SER. NO.		CA312
DEPTH OUT		
DEPTH IN		7299
TOTAL FTG.		95'
TOTAL HR. RUN		18½
COND. OF BIT		RUN
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	9[illegible]	11[illegible]	3[illegible]
WEIGHT	10.3	10.3	10.3
VISC.-SEC	45	45	45
W.L.-C.C.	6.0		
FLTR. CK.	2/32		
PH	10.0		
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
CAUSTIC	50#		

DRILLER: Ron Savill

FOOTAGE

FROM	TO	DR.D RM.R CORE.C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO.1 LINER SIZE	PUMP NO.1 S.P.M.	PUMP NO.2 LINER SIZE	PUMP NO.2 S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
7355	7394	D			45	20	1350	5½		5	65	S
								X		X		
								14		14		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
7355	19°	N 81 E						

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
3[illegible]	8[illegible]5	¼	Rig Service ✓ B.O.Ps
8[illegible]5	8[illegible]2	½	Survey @ 7355 19° N 81 E
8[illegible]5	4[illegible]	7¼	Dwlg 6¼" hole

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
23	STANDS D.P.		FT.
2	SINGLES D.P.	69[illegible]6	FT.
	D.C.		
15	I.D. O.D.	438.89	FT.
	D.C.		
	[illegible] I.D. O.D.	18.62	FT.
3	STB. BODY O.D.	9.40	FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
	SUBS [illegible] O.D.	2.38	FT.
	BIT OR C.B.		FT.
	Jars	6.75	FT.
	KELLY DOWN	32.80	FT.
	TOTAL	7437.80	FT.
WT. OF STRING	102M		LBS.

BIT RECORD

BIT NO.		8
SIZE		6¼
MFG.		SMITH
TYPE		55S
NOZZLE	NO.	3
	SIZE	3/16
SER. NO.		CA312
DEPTH OUT		7437
DEPTH IN		7299
TOTAL FTG.		138'
TOTAL HR. RUN		25¾
COND. OF BIT		Run
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	5[illegible]	8[illegible]	10[illegible]
WEIGHT	10.3	10.3	10.3
VISC.-SEC	45	45	46
W.L.-C.C.			
FLTR. CK.			
PH			10.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: Ron & Gary

FOOTAGE

FROM	TO	DR.D RM.R CORE.C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO.1 LINER SIZE	PUMP NO.1 S.P.M.	PUMP NO.2 LINER SIZE	PUMP NO.2 S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
7394	7437	C			115	20	1350	5½		5"	65	S
								X		X		
								14		14"		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
7418	17½	N 82 E						

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4[illegible]	8[illegible]0	4½	Dwlg 6¼" hole
8[illegible]0	8[illegible]5	½	Rig Service, ✓ Bops & Kelly cock
8[illegible]5	9[illegible]5	½	Survey @ 7418 17½° N 82° E
9[illegible]5	1[illegible]	2¾	Dwlg 6¼" hole

DAILY DRILLING REPORT

REPORT NO. 11 DATE Mar. 14/74

OPERATOR: Mobil Oil Canada Ltd.

LEASE: Mobil Hume River

WELL NO. L-09 | FIELD OR DIST. Hume River | COUNTY N.W.T. | STATE

CONTRACTOR: S & T DRILLING (WESTERN) CO. LTD. | RIG NO. 1E

DRILL PIPE STRING: NO. 2 SIZE 4 | TOOL JOINT 5" O.D. | TYPE THD. 3½ IF

SIGNATURE OF OPERATOR'S REPRESENTATIVE: K Howell

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: B Belanger

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	N.S. CO.	K-380	14
2.	N.S. CO.	K-380	14
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
7		38/53 J-55	146		12.50	5282	Cemented W/200 sx

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	7¾	5¼	3½
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS		2	4½
LUBRICATE RIG	¼	¾	¼
DEVIATION SURVEY		½	
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
[illegible]			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			
FISHING			

COMPLETION WORK: A. PERFORATING; B. TUBING TRIPS; C. SWABBING; D. TESTING; E. ADDITIONAL

HRS. 9 8 6

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK			
HRS. W/DP			
HRS. WO/DP			
HRS. STANDBY			
TOTAL DAY WORK			

WIRE LINE RECORD

REEL NO.

NO. OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
72	STANDS D.P.	6785.47	FT.
	SINGLES D.P.		FT.
	D.C. Monel I.D. O.D.	18.62	FT.
15	D.C. I.D. O.D.	438.89	FT.
3	STB. BODY O.D.	9.40	FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
	SUBS Float O.D.	2.48	FT.
	BIT OR C.B.		FT.
	Jars	6.75	FT.
	KELLY DOWN	26.39	FT.
	TOTAL	7278.00	FT.
	WT. OF STRING	98	LBS.

BIT RECORD

BIT NO.	7
SIZE	6¼
MFG.	Smith
TYPE	SS-5
NOZZLE NO.	3
NOZZLE SIZE	3/16
SER. NO.	DF401
DEPTH OUT	
DEPTH IN	7232
TOTAL FTG.	46'
TOTAL HR. RUN	9½
COND. OF BIT	Rem
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	1⁰⁰	4⁰⁰	7⁰⁰
WEIGHT	10.3	10.4	10.4
VISC.-SEC	49	50	50
W.L.-C.C.	6.2		6.0
FLTR. CK.	2/32		2/32
PH	10.5		10.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: B Belanger

FOOTAGE

FROM	TO	DR. RM. CORE	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
7240	7278	0			45	20	1350	5½		6½	5	S
								X			X	
								14			14	

DEVIATION RECORD: DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12⁰⁰	4¹⁵	4¼	Drlg 6¼" hole
4¹⁵	4³⁰	¼	Rig Service / Repair Kelly cock
4³⁰	8⁰⁰	3½	Drlg 6¼ hole

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
72	STANDS D.P.		FT.
1	SINGLES D.P.	6807.29	FT.
	D.C. Monel I.D. O.D.	18.62	FT.
15	D.C. I.D. O.D.	438.89	FT.
3	STB. BODY O.D.	9.40	FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
1	SUBS O.D.	2.48	FT.
	BIT OR C.B.		FT.
	Jars	6.75	FT.
	KELLY DOWN	15.57	FT.
	TOTAL		FT.
	WT. OF STRING	98	LBS.

BIT RECORD

BIT NO.	7
SIZE	6¼
MFG.	Smith
TYPE	SS5
NOZZLE NO.	3
NOZZLE SIZE	3/16
SER. NO.	DF401
DEPTH OUT	7299
DEPTH IN	7232
TOTAL FTG.	67
TOTAL HR. RUN	14¾
COND. OF BIT	1-1
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	9⁰⁰	12⁰⁰	2⁰⁰
WEIGHT	10.4	10.4	10.4
VISC.-SEC	50	47	49
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
PROTECTO MAGIC	100#		
DIESEL FUEL	2885		

DRILLER: Ron Smith

FOOTAGE

FROM	TO	DR. RM. CORE	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
7278	7299	D			45	20	1350	5½		5	65	S
								X		X		
								14		14		

DEVIATION RECORD: DEPTH 7292 | DEV. 19° | DIRECTION N81E | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8⁰⁰	11¹⁵	3¼	Drlg 6¼" hole
11¹⁵	11³⁰	¼	Ser. Rig / B.O.P.s & Kelly Cock.
11³⁰	12⁰⁰	½	Survey @ 7292 N81E
12⁰⁰	2⁰⁰	2	Drlg 6¼" hole
2⁰⁰	4⁰⁰	2	Trip for Bit

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
72	STANDS D.P.		FT.
1	SINGLES D.P.	6807.29	FT.
	D.C.		
15	I.D. O.D.	438.89	FT.
	D.C. Monel I.D. O.D.	18.62	FT.
3	STB. BODY O.D.	9.40	FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
	SUBS Float O.D.	2.48	FT.
	BIT OR C.B.		FT.
	Jars	6.75	FT.
	KELLY DOWN	35.57	FT.
	TOTAL	7319.00	FT.
	WT. OF STRING	100M	LBS.

BIT RECORD

BIT NO.	8
SIZE	6¼
MFG.	Smith
TYPE	SS5
NOZZLE NO.	3/16
NOZZLE SIZE	
SER. NO.	CA312
DEPTH OUT	
DEPTH IN	7299
TOTAL FTG.	20
TOTAL HR. RUN	3½
COND. OF BIT	Rem
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	10⁰⁰
WEIGHT	10.3+
VISC.-SEC	48
W.L.-C.C.	6.0
FLTR. CK	2/32
PH	10.5
SD. CONT. %	
PRESSURE GRADIENT	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: Ron.

FOOTAGE

FROM	TO	DR. RM. CORE	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
7299	7319	D			45	20	1350	5½		5	65	S
								X		X		
								14		14		

DEVIATION RECORD: DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4⁰⁰	5³⁰	1½	Trip for Bit
5³⁰	5⁴⁵	¼	Ser. Rig / Blind Rams
5⁴⁵	8⁰⁰	2¼	Run in w/ Bit #8.
8⁰⁰	11⁰⁰	3½	Drlg 6¼" hole

DAILY DRILLING REPORT

REPORT NO. 43 DATE 24 Jan 18/71

OPERATOR: Gulf Oil Canada Ltd
LEASE: Gulf Hume River
WELL NO.: L-09
FIELD OR DIST.: Hume River
COUNTY: N.W.T.
STATE:
CONTRACTOR: S & K DRILLING (WESTERN) CO. LTD.
RIG NO.: 1E
DRILL PIPE STRING: NO. 2, SIZE 4
TOOL JOINT: 5 O.D., TYPE THD. 3½ IF
SIGNATURE OF OPERATOR'S REPRESENTATIVE: K. Murrell
SIGNATURE OF CONTRACTOR'S TOOL PUSHER: A.B. Galanza

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	N.S.CO	K380	14
2.	N.S.CO	K380	14
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
7		23/26 J55	146		1250	5782	Cemented w/200 Sax

TIME DISTRIBUTION–HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	7¾	5¾	1¾
REAMING			
CONDITIONING MUD & CIRCULATING		½	
TRIPS		1	5
LUBRICATE RIG	¼	¼	¼
DEVIATION SURVEY		½	
TEST B.O.P.			
CUT OFF DRILLING LINE			½
REPAIR RIG			
[illegible]ING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			½
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
CREWS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK
HRS. W/DP
HRS. WO/DP
HRS. STANDBY
TOTAL DAY WORK

WIRE LINE RECORD

REEL NO.
NO. OF LINES SIZE
FEET SLIPPED
FEET CUT OFF
PRESENT LENGTH
TON MI. OR TRIPS SINCE LAST CUT
CUMULATIVE TON MI. OR TRIPS
NO. OF DAYS FROM SPUD
CUMULATIVE ROTATING HRS.

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
21	STANDS D.P.	6644.83 FT.
1	SINGLES D.P.	30.19 FT.
15	D.C. I.D. O.D.	438.89 FT.
	D.C. Monel I.D. O.D.	18.62 FT.
3	STB. BODY O.D.	9.40 FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
	SUBS Float O.D.	2.48 FT.
	BIT OR C.B.	FT.
1	Jars	6.75 FT.
	KELLY DOWN	15.79 FT.
	TOTAL	7204.00 FT.
	WT. OF STRING	99M LBS.

BIT RECORD

BIT NO.	6
SIZE	6¼
MFG.	Smith
TYPE	555
NOZZLE NO.	3
NOZZLE SIZE	16
SER. NO.	ED793
DEPTH OUT	
DEPTH IN	9103
TOTAL FTG.	101
TOTAL HR. RUN	21½
COND. OF BIT	Rerun
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	1:00	4:00	7:00
WEIGHT	10.3	10.3	10.3
VISC.–SEC	46	46	46
W.L.–C.C.	6.0		6.2
FLTR. CK.	2/32		2/32
PH	10.5		10.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: D. Gilmour

FOOTAGE

FROM	TO	DR–D RM–R CORE–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL–S PAR'EL–P COM'D–C
7167	7204	D			45	20	1250	5½		5	65	S
								X		X		
								14		14		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	12:15	¼	Rig Service / Bops / Kelly cock
12:15	8:00	7¾	Drlg 6¼ hole

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
21	STANDS D.P.	FT.
2	SINGLES D.P.	6743.74 FT.
15	D.C. I.D. O.D.	438.89 FT.
1	D.C. Monel I.D. O.D.	18.62 FT.
3	STB. BODY O.D.	9.40 FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
1	SUBS Float O.D.	2.48 FT.
1	Jars BIT OR C.B.	6.75 FT.
		FT.
	KELLY DOWN	12.12 FT.
	TOTAL	7232.00 FT.
	WT. OF STRING	99M LBS.

BIT RECORD

BIT NO.	6
SIZE	6 ¼
MFG.	SMITH
TYPE	555
NOZZLE NO.	3–16
NOZZLE SIZE	
SER. NO.	ED793
DEPTH OUT	7232
DEPTH IN	7103
TOTAL FTG.	129'
TOTAL HR. RUN	27¼
COND. OF BIT	2-8-1
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	8:30	12:30	
WEIGHT	10.4	10.4	
VISC.–SEC	48	48	
W.L.–C.C.	6.2		
FLTR. CK.	2/32		
PH	10.5	10.5	
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Protecto Magic	→	180#	
SpersCol	200#		
Drill Gel	1885		

DRILLER: Ron Scott

FOOTAGE

FROM	TO	DR–D RM–R CORE–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL–S PAR'EL–P COM'D–C
7204	7232	D			45	20	1350	5½		5	65	S
								X		X		
								14		14		

DEVIATION RECORD: DEPTH 7229 | DEV. 18¾ | DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	12:45	4¾	Drlg 6¼" hole
12:45	1:00	¼	Ser. Rig & BOP
1:00	1:30	½	Survey @ 7229'
1:30	2:30	1	Drlg 6¼ hole
2:30	3:00	½	Circulate Sample
3:00	4:00	1	Trip out for Bit

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
21	STANDS D.P.	6743.74 FT.
2	SINGLES D.P.	FT.
15	D.C. I.D. O.D.	438.89 FT.
	D.C. Monel I.D. O.D.	18.62 FT.
3	STB. BODY O.D.	9.40 FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
1	SUBS Float O.D.	2.48 FT.
	BIT OR C.B.	FT.
1	Jars	6.75 FT.
	KELLY DOWN	19.12 FT.
	TOTAL	7240 FT.
	WT. OF STRING	98M LBS.

BIT RECORD

BIT NO.	7
SIZE	6¼
MFG.	SMITH
TYPE	555
NOZZLE NO.	3
NOZZLE SIZE	7/16
SER. NO.	DF401
DEPTH OUT	
DEPTH IN	7232
TOTAL FTG.	8
TOTAL HR. RUN	1¾
COND. OF BIT	RWG
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME			12:00
WEIGHT			10.3+
VISC.–SEC			49
W.L.–C.C.			6.2
FLTR. CK			2/32
PH			10.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: Ron & Gary

FOOTAGE

FROM	TO	DR–D RM–R CORE–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL–S PAR'EL–P COM'D–C
7232	7240	D			45	10/20	1350	5½		5	65	S
								X		X		
								14		14		

DEVIATION RECORD: DEPTH | DEV. | DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	6:30	2½	Trip for bit
6:30	6:45	¼	Ser. Rig & Bops
6:45	8:45	2	Run in w/ bit @ 7455200
8:45	9:15	½	Slip & Cut drilling line
9:15	9:45	½	Finish In
9:45	10:15	½	Clean to btm
10:15	12:00	1¾	Drlg 6¼ hole

DAILY DRILLING REPORT

REPORT NO. 92 DATE March 17/91

OPERATOR: Mobil Oil Canada Ltd
LEASE: Mobil Hume River L-09
WELL NO.: L-09
FIELD OR DIST.: Hume River
COUNTY: N.W.T
STATE:
CONTRACTOR: S & T DRILLING (WESTERN) CO. LTD.
RIG NO.: 1E
DRILL PIPE STRING: NO. 2, SIZE 4
TOOL JOINT: 5 O.D., TYPE THD. 3½IF
SIGNATURE OF OPERATOR'S REPRESENTATIVE: [signature]
SIGNATURE OF CONTRACTOR'S TOOL PUSHER: A.B. Valanga

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	N.S.CO	K380	14
2.	N.S.CO	K380	14
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
7		29 J55	146			5282	Cemented w/200sxs

TIME DISTRIBUTION–HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	1	6½	7¼
REAMING			
CONDITIONING MUD & CIRCULATING	½		
TRIPS	5¼	3¼	
LUBRICATE RIG	¼	¼	¼
DEVIATION SURVEY	½		½
TEST B.O.P.	¼		
CUT OFF DRILLING LINE			
REPAIR RIG			
[illegible]ING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER	¼	½	
FISHING			
COMPLETION WORK: A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK			
HRS. W/DP			
HRS. WO/DP			
HRS. STANDBY			
TOTAL DAY WORK			

WIRE LINE RECORD

REEL NO.
NO. OF LINES SIZE
FEET SLIPPED
FEET CUT OFF
PRESENT LENGTH
TON MI. OR TRIPS SINCE LAST CUT
CUMULATIVE TON MI. OR TRIPS
NO. OF DAYS FROM SPUD
CUMULATIVE ROTATING HRS.

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
70	STANDS D.P.	6588.99	FT.
1	SINGLES D.P.	31.55	FT.
	D.C.		
15	I.D. O.D.	438.89	FT.
	D.C. mond I.D. O.D.	18.62	FT.
3	STB. BODY O.D.	9.40	FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
	SUBS float O.D.	2.48	FT.
	BIT OR C.B.		FT.
	Jars	6.75	FT.
	KELLY DOWN	6.32	FT.
	TOTAL	7103.00	FT.
WT. OF STRING	98M		LBS.

BIT RECORD			
BIT NO.		5	6
SIZE		6¼	✓
MFG.		Smith	✓
TYPE		555	✓
NOZZLE	NO.	3	✓
	SIZE	16	✓
SER. NO.		BW478	ED734
DEPTH OUT		7103	
DEPTH IN		6973	7103
TOTAL FTG.		130	
TOTAL HR. RUN		28¾	
COND. OF BIT		3-8-I	
REAMER NO.			
REAMER TYPE			

MUD RECORD				
TIME	1⁰⁰			
WEIGHT	10.3			
VISC.–SEC	47			
W.L.–C.C.	6.0			
FLTR. CK.	2/32			
PH	10.5			
SD. CONT. %				
PRESSURE GRADIENT				
MUD & CHEMICALS ADDED	TYPE	AMT.	TYPE	AMT.

DRILLER: S. Fulcher

FOOTAGE FROM	TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PAR'EL–P COMP'D–C
7099	7103	D		Sand lines in returns fast from approx 3500'	115	20	1325	5½		5	65	S
								"		X		
								14		14		

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	7103	20°	N7E						

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12⁰⁰	1⁰⁰	1	Drlg 6¼" hole
1⁰⁰	1¹⁵	¼	Rig Service / Bops ; Kelly Cock
1¹⁵	1⁴⁵	½	Survey @ 7103
1⁴⁵	2¹⁵	½	Circ
2¹⁵	5⁴⁵	3½	Strap + for bit
5⁴⁵	6⁰⁰	¼	Clean
6⁰⁰	6¹⁵	¼	Make up bit #6 ; pick up JBS Stab @ 55'
6¹⁵	8⁰⁰	1¾	Run in w/ bit #6

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
70	STANDS D.P.	6588.99	FT.
1	SINGLES D.P.	31.55	FT.
	D.C.		
15	I.D. O.D.	438.89	FT.
1	D.C. mond I.D. O.D.	18.62	FT.
3	STB. BODY O.D.	9.40	FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
1	SUBS O.D.	2.48	FT.
	BIT OR C.B.		FT.
			FT.
	KELLY DOWN	36.32	FT.
	TOTAL	7133.00	FT.
WT. OF STRING	98M		LBS.

BIT RECORD			
BIT NO.		6	
SIZE		6¼"	
MFG.		Smith	
TYPE		555	
NOZZLE	NO.	3-16	
	SIZE		
SER. NO.		ED739	
DEPTH OUT			
DEPTH IN		7103	
TOTAL FTG.		30'	
TOTAL HR. RUN		16½	
COND. OF BIT		Run	
REAMER NO.			
REAMER TYPE			

MUD RECORD			
TIME	9⁰⁰	12⁰⁰	3¹⁰
WEIGHT	10.3	10.3	10.3
VISC.–SEC	47	47	47
W.L.–C.C.		6.0	
FLTR. CK.		2/32	
PH		10.5	
SD. CONT. %			
PRESSURE GRADIENT			
MUD & CHEMICALS ADDED: TYPE	AMT.	TYPE	AMT.

DRILLER: Ron Snell

FOOTAGE FROM	TO	DR–D RM–R CORE–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PAR'EL–P COMP'D–C
7103	7133	D		30'	115	15/20	1325	5½		5	65	S
								"		X		
								14		14		

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8⁰⁰	8⁴⁵	¾	Run in w/ BIT #6
8⁴⁵	9⁰⁰	¼	Ser. Rig ; BOP – Kelly Cock
9⁰⁰	9³⁰	½	Clean To Bottom
9³⁰	4⁰⁰	6½	Drlg 6¼" hole

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
70	STANDS D.P.	6588.99	FT.
3	SINGLES D.P.	41.28	FT.
	D.C.		
15	I.D. O.D.	438.89	FT.
	D.C. mond I.D. O.D.	18.62	FT.
3	STB. BODY O.D.	9.40	FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
	SUBS O.D.	2.48	FT.
	BIT OR C.B.		FT.
	Jars	6.75	FT.
	KELLY DOWN	41.00	FT.
	TOTAL	7167.41	FT.
WT. OF STRING	99M		LBS.

BIT RECORD			
BIT NO.		6	
SIZE		6¼	
MFG.		Smith	
TYPE		555	
NOZZLE	NO.	3-16	
	SIZE		
SER. NO.		ED739	
DEPTH OUT			
DEPTH IN		7103	
TOTAL FTG.		64	
TOTAL HR. RUN		13¾	
COND. OF BIT		Run	
REAMER NO.			
REAMER TYPE			

MUD RECORD			
TIME	6⁰⁰	9⁰⁰	11⁰⁰
WEIGHT	10.3	10.3	10.3
VISC.–SEC	47	47	47
W.L.–C.C.		6.0	
FLTR. CK		2/32	
PH		10.5	
SD. CONT. %			
PRESSURE GRADIENT			
MUD & CHEMICALS ADDED: TYPE	AMT.	TYPE	AMT.

DRILLER: Ron

FOOTAGE FROM	TO	DR–D RM–R CORE–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PAR'EL–P COMP'D–C
7133	7167	D			115	20	1325	5½		5	65	S
								"		X		
								14		14		

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	7167	15¼°	N79E						

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4⁰⁰	5³⁰	1½	Drlg 6¼" hole
5³⁰	5⁴⁵	¼	Ser Rig ; BOP.
5⁴⁵	11³⁰	5¾	Drlg 6¼" hole
11³⁰	12⁰⁰	½	Survey @ 7167 – 19¼° N79E

DAILY DRILLING REPORT

REPORT NO. 91 DATE Nov 16/71

OPERATOR: Mobil Oil Canada Ltd
LEASE: Mobil Home Rivers L-09
WELL NO. L-09 FIELD OR DIST. Home Rivers COUNTY N.W.T STATE

CONTRACTOR: S & T DRILLING (WESTERN) CO. LTD. RIG NO. 1E
DRILL PIPE STRING NO. 2 SIZE 4 TOOL JOINT 5 O.D. TYPE THD. 3½IF

SIGNATURE OF OPERATOR'S REPRESENTATIVE: R. Lewell
SIGNATURE OF CONTRACTOR'S TOOL PUSHER: A.B. Galenza

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	N.S.CO	K340	14
2.	N.S.CO	K380	14
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
7		20/23 J55	146		12.50	5282	Cemented w/200 Sacks

TIME DISTRIBUTION–HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	7½	7¼	7¼
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG	¼	¼	¼
DEVIATION SURVEY	½	½	½
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
RIGGING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK			
HRS. W/DP			
HRS. WO/DP			
HRS. STANDBY			
TOTAL DAY WORK			

WIRE LINE RECORD

REEL NO.
NO. OF LINES SIZE
FEET SLIPPED
FEET CUT OFF
PRESENT LENGTH
TON MI. OR TRIPS SINCE LAST CUT
CUMULATIVE TON MI. OR TRIPS
NO. OF DAYS FROM SPUD
CUMULATIVE ROTATING HRS.

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
69	STANDS D.P.	6494.34	FT.
X	SINGLES D.P.	31.66	FT.
15	D.C. 6½ I.D. 5" O.D.	438.89	FT.
	D.C. Mond I.D. O.D.	18.62	FT.
2	STB. BODY O.D.	6.45	FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
	SUBS Float O.D.	2.44	FT.
	BIT OR C.B.		FT.
	Jars	6.75	FT.
	KELLY DOWN	38.81	FT.
	TOTAL	7038.00	FT.
WT. OF STRING	98M		LBS.

BIT RECORD

BIT NO.	5	
SIZE	6¼	
MFG.	Smith	
TYPE	SS5	
NOZZLE NO.	3	
NOZZLE SIZE	16	
SER. NO.	BW478	
DEPTH OUT		
DEPTH IN	6973	
TOTAL FTG.		
TOTAL HR. RUN	13¾	
COND. OF BIT	Run	
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	1 AM	4 AM	7 AM
WEIGHT	10.2	10.2	10.2
VISC.–SEC	46	45	48
W.L.–C.C.	6.0		6.0
FL.TR. CK.	3/32		3/32
PH	10.5	10.5	10.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
SUPER-Gel	280#		

DRILLER: B. Thomas

FOOTAGE

FROM	TO	DR–D RM–R CORE–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO.1 LINER SIZE	PUMP NO.1 S.P.M.	PUMP NO.2 LINER SIZE	PUMP NO.2 S.P.M.	METHOD RUN SGL–S PAR'EL–P COM'D–C
7006	7038	D			45	20	1325	5½		5	65	S
								X		X		
								14		14		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
7008	21½	N78E						

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12 00	12 30	½	Dirly 6¼ hole
12 30	12 45	¼	Rig Service, Repair Kellycock
12 45	1 15	½	Survey @ 7008 – 21½° N78E
1 15	8 00	6¾	Dirly 6¼" hole

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
69	STANDS D.P.	6494.34	FT.
2	SINGLES D.P.	62.99	FT.
15	D.C. I.D. O.D.	438.89	FT.
1	D.C. Monel I.D. O.D.	18.62	FT.
2	STB. BODY O.D.	6.45	FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
	SUBS O.D.	2.48	FT.
	BIT OR C.B.		FT.
1	Jars	6.75	FT.
	KELLY DOWN	37.98	FT.
	TOTAL		FT.
WT. OF STRING	98M		LBS.

BIT RECORD

BIT NO.	5	
SIZE	6¼	
MFG.	Smith	
TYPE	SS-5	
NOZZLE NO.	3/16	
NOZZLE SIZE		
SER. NO.	BW478	
DEPTH OUT		
DEPTH IN	6973	
TOTAL FTG.	94	
TOTAL HR. RUN	20½	
COND. OF BIT	Run	
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	9 00	12 00	3 00
WEIGHT	10.3	10.3	10.3
VISC.–SEC	43	44	46
W.L.–C.C.	6.0		
FL.TR. CK.	3/32		
PH	11.0	11.0	11.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Protecto	100#		
Diesel	2BBL		

DRILLER: Don Savill

FOOTAGE

FROM	TO	DR–D RM–R CORE–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO.1 LINER SIZE	PUMP NO.1 S.P.M.	PUMP NO.2 LINER SIZE	PUMP NO.2 S.P.M.	METHOD RUN SGL–S PAR'EL–P COM'D–C
7038	7067	D			45	20	1325	5½		5	65	S
								X		X		
								14		14		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8 00	8 15	¼	Dirly 6¼" hole
8 15	8 30	¼	Ser. Rig & B.O.P. & Kelly Cock.
8 30	9 00	½	Survey @ 7040' "misrun"
9 00	4 00	7	Dirly 6¼" hole

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
70	STANDS D.P.	6588.99	FT.
	SINGLES D.P.		FT.
15	D.C. I.D. O.D.	438.89	FT.
1	D.C. Mond I.D. O.D.	18.62	FT.
2½	STB. BODY O.D.	6.45	FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
	SUBS O.D.	2.48	FT.
	BIT OR C.B.		FT.
	Jars	6.75	FT.
	KELLY DOWN	36.82	FT.
	TOTAL	7099.00	FT.
WT. OF STRING	98M		LBS.

BIT RECORD

BIT NO.	5	
SIZE	6¼	
MFG.	Smith	
TYPE	SS5	
NOZZLE NO.	3/16	
NOZZLE SIZE		
SER. NO.	BW478	
DEPTH OUT		
DEPTH IN	6973	
TOTAL FTG.	126'	
TOTAL HR. RUN	27¾	
COND. OF BIT	Run	
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	7 00	10 00	12 00
WEIGHT	10.3	10.3	10.3
VISC.–SEC	46	46	47
W.L.–C.C.			
FL.TR. CK			
PH	11.0	11.0	10.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: Ron Darby

FOOTAGE

FROM	TO	DR–D RM–R CORE–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO.1 LINER SIZE	PUMP NO.1 S.P.M.	PUMP NO.2 LINER SIZE	PUMP NO.2 S.P.M.	METHOD RUN SGL–S PAR'EL–P COM'D–C
7067	7099	D			45	20	1325	5½		5	65	S
								X		X		
								14		14		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
7071	20½°	N79E						

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4 00	5 00	1	Dirly 6¼" hole
5 00	5 15	¼	See Rig & BOP.
5 15	5 45	½	Survey @ 7071' 20½° N79E
5 45	12 00	6¼	Dirly 6¼" hole

DAILY DRILLING REPORT

REPORT NO. 40 DATE Jan/15/71

OPERATOR: Imperial Oil Canada Ltd.

LEASE: Imperial Home Rivers L-09

WELL NO. L-09 | FIELD OR DIST. Home, Rivers | COUNTY N.W.T | STATE

CONTRACTOR: S & W DRILLING (WESTERN) CO. LTD. | RIG NO. 1E

DRILL PIPE STRING: NO. 2 SIZE 4 | TOOL JOINT TYPE THD. 3½ IF | O.D. 5"

SIGNATURE OF OPERATOR'S REPRESENTATIVE: L. Newell

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: L. Hakeya

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	N.S.CO	K380	14
2.	N.S.CO	K380	14
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
7		20 & 23 J55	146		12.50	5792	Cemented w/200 sacks

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL			6
REAMING	3¼	3¼	1¾
CONDITIONING MUD & CIRCULATING			
TRIPS	2¼		
LUBRICATE RIG		¼	¼
DEVIATION SURVEY		¼	½
TEST B.O.P.	¾		
CUT OFF DRILLING LINE	¾		
[illegible] RIG			
[illegible]NG			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER	1½		
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
[illegible]CS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK	
HRS. W/DP	
HRS. WO/DP	
HRS. STANDBY	
TOTAL DAY WORK	

WIRE LINE RECORD

REEL NO.	
NO. OF LINES	SIZE
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
163	STANDS D.P.	5921.87	FT.
	SINGLES D.P.		FT.
	D.C.		
15	2¼ I.D. 5" O.D.	438.89	FT.
	D.C. Monel I.D. O.D.	18.62	FT.
	STB. Spiral BODY O.D.	6.75	FT.
2	STB. BODY O.D.	6.45	FT.
	RMR. BODY O.D.		FT.
1	SUBS Bit Sub	2.48	FT.
	BIT OR C.B.		FT.
			FT.
	KELLY DOWN	41.00	FT.
	TOTAL	6442.06	FT.
WT. OF STRING	94M		LBS.

BIT RECORD

BIT NO.	5	
SIZE	6¼	
MFG.	Smith	
TYPE	555	
NOZZLE NO.	3	
NOZZLE SIZE	16	
SER. NO.	BW478	
DEPTH OUT		
DEPTH IN	6973	
TOTAL FTG.		
TOTAL HR. RUN		
COND. OF BIT		
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	5⁰⁰	7⁰⁰
WEIGHT	10.3	10.3
VISC.-SEC	47	47
W.L.-C.C.		6.0
FL.TR. CK.		2/32
PH		11.0
SD. CONT. %		
PRESSURE GRADIENT		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: L. Hakeya

FOOTAGE

FROM	TO	DR.-D RM.-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
6973												
6200	6442	R					1325	5½		5	65	S
								x		x		
								14		14		

DEVIATION RECORD: DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12⁰⁰	12⁰⁵	¼	Rig Service & Rams
12⁰⁵	1⁰⁵	1½	Pick up NBR & IBS Stabs, Run in DC's Checking each joint & Inspect Saver Visually
1⁰⁵	3³⁰	1¾	Run in with Bit #5 to 5200'
3³⁰	4⁰⁵	¾	Slip & Cut drlg line
4⁰⁵	4⁴⁵	¾	Finish trip in to 6200'
4⁴⁵	8⁰⁰	3¼	Reaming 6¾" hole to 6¼" from 6200'
			Ran NBR + IBS @ 25'

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
68	STANDS D.P.		FT.
1	SINGLES D.P.	6462.60	FT.
	D.C.		
15	2¼ I.D. 5" O.D.	438.89	FT.
1	D.C. Monel I.D. O.D.	18.62	FT.
1	STB. Spiral BODY O.D.	6.75	FT.
2	STB. BODY O.D.	6.45	FT.
	RMR. BODY O.D.		FT.
1	SUBS Bit Sub	2.48	FT.
	BIT OR C.B.		FT.
			FT.
	KELLY DOWN	41.00	FT.
	TOTAL	6946.00	FT.
WT. OF STRING	96M		LBS.

BIT RECORD

BIT NO.	5	
SIZE	6¼	
MFG.	Smith	
TYPE	555	
NOZZLE NO.	3	
NOZZLE SIZE	1/16	
SER. NO.	BW478	
DEPTH OUT		
DEPTH IN	6973	
TOTAL FTG.		
TOTAL HR. RUN		
COND. OF BIT		
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	8⁴⁵	12⁰	3⁰⁰
WEIGHT	10.2	10.2	10.3
VISC.-SEC	50	48	48
W.L.-C.C.		6.0	
FL.TR. CK.		2/32	
PH		10.0	
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: Ron Smith

FOOTAGE

FROM	TO	DR.-D RM.-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
6442	6946	R.			48	5M	1325	5½		5"	65	
								x		x		
								14		14		

DEVIATION RECORD: DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8⁰⁰	8¹⁵	¼	Ser. Rig & B.O.P. - Kelly Cock.
8¹⁵	11⁰⁰	2¾	Reaming 6¾ Hole To 6¼ From 6442 To 6946

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
69	STANDS D.P.	6494.34	FT.
	SINGLES D.P.		FT.
	D.C.		
15	2¼ I.D. 5" O.D.	438.89	FT.
1	D.C. Monel I.D. O.D.	18.62	FT.
1	STB. Spiral BODY O.D.	6.75	FT.
2	STB. BODY O.D.	6.45	FT.
	RMR. BODY O.D.		FT.
	SUBS O.D.		FT.
1	BIT OR C.B. Bit Sub	2.48	FT.
			FT.
	KELLY DOWN	38.47	FT.
	TOTAL	7006.00	FT.
WT. OF STRING	98M		LBS.

BIT RECORD

BIT NO.	5	
SIZE	6¼	
MFG.	Smith	
TYPE	555	
NOZZLE NO.	3	
NOZZLE SIZE	1/16	
SER. NO.	BW478	
DEPTH OUT		
DEPTH IN	6973	
TOTAL FTG.	33'	
TOTAL HR. RUN	6	
COND. OF BIT	Rund	
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	5⁰⁰	8⁴⁰	11⁰⁰
WEIGHT	10.2	10.2	10.2
VISC.-SEC	48	48	48
W.L.-C.C.			6.0
FL.TR. CK			2/32
PH			10.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
CAUSTIC	100#	DES-Foam	4 BBLS
PELTEX	100#		
ROTEX	200		

DRILLER: Ron S

FOOTAGE

FROM	TO	DR.-D RM.-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
6946	6973	R.M.R.			48	5	1325	5½		5	65	
6973	7006	R			48	10	1325	x		x		
					45	12		14		14"	65	

DEVIATION RECORD: DEPTH 6975 | DEV. 21½° | DIRECTION N75E | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4⁰⁰	5¹⁵	1¼	Reaming 6¾ hole To 6¼ From 6946 To 6973
5¹⁵	5⁴⁵	½	Drlg 6¼" hole
5⁴⁵	6⁰⁰	¼	Ser Rig & B.O.P.
6⁰⁰	6³⁰	½	Survey @ 6975
6³⁰	12⁰⁰	5½	Drlg 6¼ hole

Fuel Brought in 2800 gallons

DAILY DRILLING REPORT

REPORT NO. 89 DATE March 14/75

OPERATOR: Mobil Oil Canada Ltd

LEASE: Mobil Hume River L-09

WELL NO. L-09 | FIELD OR DIST. Hume River | COUNTY N.W.T | STATE

CONTRACTOR: S & T DRILLING (WESTERN) CO. LTD. | RIG NO. 1E

DRILL PIPE STRING: NO. 2 SIZE 4 | TOOL JOINT 5" O.D. TYPE THD. 3½ IF

SIGNATURE OF OPERATOR'S REPRESENTATIVE: L. Newell

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: [illegible]

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	N.S.CO.	K380	14
2.	N.S.CO	K380	14
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
7"		29/23 J55	146		12.50	5282	Cemented w/200 Sax

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	7		
REAMING			
CONDITIONING MUD & CIRCULATING			¼
TRIPS			5
LUBRICATE RIG	½		
DEVIATION SURVEY	¼		½
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
RIGGING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			5¼
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK	
HRS. W/DP	
HRS. WO/DP	
HRS. STANDBY	
TOTAL DAY WORK	

WIRE LINE RECORD

REEL NO.	
NO. OF LINES	SIZE
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
70	STANDS D.P.	6590.42 FT.	
1	SINGLES D.P.	31.56 FT.	
9	D.C. 2¼ I.D. 5" O.D.	265.31 FT.	
	D.C. Monel I.D. O.D.	18.62 FT.	
	STB. BODY O.D.	6.75 FT.	
	STB. BODY O.D.	FT.	
	RMR. BODY O.D.	FT.	
	SUBS O.D.	3.11 FT.	
	BIT OR C.B.	FT.	
	Dyna	19.73 FT.	
	KELLY DOWN	17.00 FT.	
	TOTAL	6952.00 FT.	
WT. OF STRING		82M LBS.	

BIT RECORD

BIT NO.		4
SIZE		6¼
MFG.		Chris
TYPE		D
NOZZLE	NO.	
	SIZE	
SER. NO.		FC37105
DEPTH OUT		
DEPTH IN		6900
TOTAL FTG.		752
TOTAL HR. RUN		152¼
COND. OF BIT		Rem
REAMER NO.		
REAMER TYPE		

MUD RECORD

	1st	4th	7th
TIME			
WEIGHT	10.3	10.3	10.3
VISC.-SEC	47	46	46
W.L.-C.C.	6.0		6.0
FLTR. CK.	2/32		2/32
PH	11.0		10.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: S. Clemens

FOOTAGE

FROM	TO	DR.D RM. R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
6925	6952	D			—	6	1650	5½		5	65	S
								X		X		
								14		14		

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	6905	22°	N66E						

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12⁰⁰	4³⁰	4½	Drlg 6¼" hole w/ Dyna Drill
4³⁰	4⁴⁵	¼	Rig Service w/ BOPs & Kelly cock
4⁴⁵	5²⁰	¾	Survey @ 6907 22° N66E
5²⁰	8⁰⁰	2½	Drlg 6¼" hole w/ dyna drill

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
70	STANDS D.P.	FT.	
2	SINGLES D.P.	6681.69 FT.	
9	D.C. I.D. O.D.	265.31 FT.	
1	D.C. Monel I.D. 2¼ O.D.	18.62 FT.	
1	STB. BODY O.D.	6.75 FT.	
	STB. BODY O.D.	FT.	
	RMR. BODY O.D.	FT.	
RE	SUBS O.D.	3.11 FT.	
	BIT OR C.B.	FT.	
1	Dyna Drill	19.73 FT.	
	KELLY DOWN	7.79 FT.	
	TOTAL	6973.00 FT.	
WT. OF STRING		82M LBS.	

BIT RECORD

BIT NO.		4
SIZE		6¼
MFG.		Chris
TYPE		D
NOZZLE	NO.	
	SIZE	
SER. NO.		FC37105
DEPTH OUT		
DEPTH IN		6200
TOTAL FTG.		773
TOTAL HR. RUN		160¼
COND. OF BIT		
REAMER NO.		
REAMER TYPE		

MUD RECORD

	9³⁰	12⁰⁰	3⁰⁰
TIME			
WEIGHT	10.3	10.3	10.3
VISC.-SEC	45	45	46
W.L.-C.C.	6.0		
FLTR. CK.	2/32		
PH	11.0		
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Caustic Mag	10#		
Soda Ash	5#		
Diesel Fuel	28 BBLS		

DRILLER: Ron Savill

FOOTAGE

FROM	TO	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
6952	6973	D			—	6	1650	5½		5	65	S
								X		X		
								14		14		

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0⁰⁰	3⁴⁵	7¾	Drlg 6¼" hole w/ Dyna Drill
3⁴⁵	4⁰⁰	¼	Ser. Rig & B.O.Ps & Kelly Cock.

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
	STANDS D.P.	FT.
	SINGLES D.P.	FT.
	D.C. I.D. O.D.	FT.
	D.C. I.D. O.D.	FT.
	STB. BODY O.D.	FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
		FT.
	KELLY DOWN	FT.
	TOTAL	FT.
WT. OF STRING		LBS.

BIT RECORD

BIT NO.		
SIZE		
MFG.		
TYPE		
NOZZLE	NO.	
	SIZE	
SER. NO.		
DEPTH OUT		
DEPTH IN		
TOTAL FTG.		
TOTAL HR. RUN		
COND. OF BIT		
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME			
WEIGHT	NR		
VISC.-SEC	1		
W.L.-C.C.	P		
FLTR. CK	P		
PH	N		
SD. CONT. %	9		
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: Lee Berry

FOOTAGE

FROM	TO	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
6973		D		Strap out 7006.90								
				Tally 7005.71								
				Diff 1.19 no correction								

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	6936	22¼	N.69.E						

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4⁰⁰	4³⁰	½	Survey @ 6936 22¼ N 69 E
4³⁰	4⁴⁵	¼	Circ
4⁴⁵	7⁴⁵	3	TRIP OUT Pumped out Two Singles @ 6900' Hole Tight.
7⁴⁵	9³⁰	1¾	Pull into Casing & Layed two Singles
9³⁰	11³⁰	2	Work on Light plant.
11³⁰	12⁰⁰	½	Finish trip out - Measure out
			Handle Monel & dyna drill

DAILY DRILLING REPORT

REPORT NO. 88 — DATE March 13/71

OPERATOR: Mobil Oil Canada Ltd

LEASE: Mobil Hume Pool L-09

WELL NO. L-09 — FIELD OR DIST. Hume Pool — COUNTY N.W.T — STATE

CONTRACTOR: S & T DRILLING (WESTERN) CO. LTD. — RIG NO. 1E

DRILL PIPE STRING: NO. 2, SIZE 4 — TOOL JOINT 5" O.D., TYPE THD. 3½ IF

SIGNATURE OF OPERATOR'S REPRESENTATIVE: [signature]

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: [signature]

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NSCO	K380	14
2.	NSCO	K380	14
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
7"		20 & 23 J55	146		12.50	5282	Cemented w/200 Sax

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	7	6¼	7¼
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG	¼	¼	
DEVIATION SURVEY	¾	1½	¾
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
WELDING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK			
HRS. W/DP			
HRS. WO/DP			
HRS. STANDBY			
TOTAL DAY WORK			

WIRE LINE RECORD

REEL NO.

NO. OF LINES — SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
69	STANDS D.P.	6527.05 FT.
1	SINGLE D.P.	FT.
9	D.C. 2¼ I.D. 5" O.D.	265.31 FT.
	D.C. Monel I.D. O.D.	18.62 FT.
	STB. BODY O.D. Dyna Drill	6.75 FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
	SUBS X/B O.D.	3.11 FT.
	BIT OR C.B.	FT.
	Dyna Drill	19.73 FT.
	KELLY DOWN	22.93 FT.
	TOTAL	6893.00 FT.
	WT. OF STRING 81 M	LBS.

BIT RECORD

BIT NO.	4
SIZE	6¼
MFG.	Chris
TYPE	D
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	EC37105
DEPTH OUT	
DEPTH IN	6200
TOTAL FTG.	693'
TOTAL HR. RUN	132
COND. OF BIT	Run
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	2 AM.	5 AM.	7 AM.
WEIGHT	10.3	10.3	10.3
VISC.-SEC	49	48	47
W.L.-C.C.		6.0	
FL.TR. CK.		2/32	
PH	10.5	10.5	10.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: D. Calvin

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
6841	6893	D		Gyd 8300 gals	—	6	1650	5½		5	65	S
								x		x		
								14		14		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
6812	23¼	N58E						

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1200	115	1¾	Drlg 6½" hole w/ Dyna drill
115	130	¼	Rig Service / Trip + Kelly cock
130	215	¾	Survey @ 6812' 23¼° N58E
215	800	5¾	Drlg 6½" hole w/ Dyna drill
			2800 gallons fuel Brought in @ 8:15 AM
			By Kappa Transport March 13-71

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
69	STANDS D.P.	FT.
2	SINGLES D.P.	6558.22 FT.
9	D.C. 2¼ I.D. 5" O.D.	265.31 FT.
1	D.C. Monel I.D. O.D.	18.62 FT.
1	STB. BODY O.D. Dyna Drill	6.75 FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
2	SUBS X/B O.D.	3.11 FT.
	BIT OR C.B.	FT.
1	Dyna Drill	19.73 FT.
	KELLY DOWN	25.26 FT.
	TOTAL	6892.00 FT.
	WT. OF STRING 81 M	LBS.

BIT RECORD

BIT NO.	4
SIZE	6¼
MFG.	Chris
TYPE	D
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	EC37105
DEPTH OUT	
DEPTH IN	6200
TOTAL FTG.	697'
TOTAL HR. RUN	138¼
COND. OF BIT	Run
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	10⁰⁰	12³⁰	3²⁰
WEIGHT	10.3	10.3	10.3
VISC.-SEC	48	47	48
W.L.-C.C.		5.8	
FL.TR. CK.		2/32	
PH	10.5		10.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: Ron Snell

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
6873	6897	D			—	6	1650	5½		5"	65	S
								x		x		
								14		14		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
6844	23°	N60E						

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
800	945	1 3/4	Drlg 6¼" hole w/ Dyna Drill
945	1000	¼	Ser Rig + BOP + Kelly Cock
1000	1130	1½	Survey @ 6844 23° N.60 E.
1130	400	4½	Drlg 6¼ w/ Dyna Drill

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
70	STANDS D.P.	6590.42 FT.
	SINGLES D.P.	FT.
9	D.C. 2¼ I.D. 5" O.D.	265.31 FT.
	D.C. Monel I.D. O.D.	18.62 FT.
	STB. BODY O.D. Dyna Drill	6.75 FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
2	SUBS X/B O.D.	3.11 FT.
	BIT OR C.B.	FT.
	Dyna Drill	19.73 FT.
	KELLY DOWN	21.56 FT.
	TOTAL	6925.00 FT.
	WT. OF STRING 82 M	LBS.

BIT RECORD

BIT NO.	4
SIZE	6¼
MFG.	Chris
TYPE	D
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	EC37105
DEPTH OUT	
DEPTH IN	6200
TOTAL FTG.	725
TOTAL HR. RUN	145¾
COND. OF BIT	Run
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	5⁰⁰	8⁰⁰	11⁰⁰
WEIGHT	10.3	10.3	10.3
VISC.-SEC	47	47	47
W.L.-C.C.		6.0	
FL.TR. CK		2/32	
PH		11.0	
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: Ron & Dave

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
6897	6925	D			—	6	1650	5½		5"	65	S
								x		x		
								14		14		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
6875	23	N63E						

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
400	705	3 3/4	Drlg 6¼" hole w/ Dyna Drill
705	830	¾	Survey @ 6895. 23° N63E
830	1200	3½	Drlg 6¼ hole w/ Dyna drill

DAILY DRILLING REPORT

REPORT NO. 4 DATE March 28 ..

OPERATOR: Mobil Oil Can. LTD.

LEASE: Mobil Oil Hume River

WELL NO.: L-09

FIELD OR DIST.: Hume River

COUNTY: N.W.T.

STATE: Canada

CONTRACTOR: S & T DRILLING (WESTERN) CO. LTD.

RIG NO.: IE

DRILL PIPE STRING NO. / SIZE: TOOL JOINT O.D. / TYPE THD.:

SIGNATURE OF OPERATOR'S REPRESENTATIVE: L. Mewell

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: B Valencia

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	Nat	K 350	
2.	Nat	K 350	
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
7"	Tam	20 J55	146			5742	Cemented 300 SAx

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	6 3/4	7 1/2	7
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG	1/4		3/4
DEVIATION SURVEY	1	1/2	3/4
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
[illegible]ING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK	
HRS. W/DP	
HRS. WO/DP	
HRS. STANDBY	
TOTAL DAY WORK	

WIRE LINE RECORD

REEL NO.

NO. OF LINES SIZE

SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
68	STANDS D.P.	6400.65	FT.
	SINGLES D.P.		FT.
a	D.C. I.D. O.D.	265.31	FT.
	D.C. Monel I.D. O.D.	186.2	FT.
	STB. BODY Tam O.D.	6.71	FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
	SUBS Kelly O.D.	2.41	FT.
	BIT OR C.B.	.70	FT.
Dyna Drill		14.73	FT.
	KELLY DOWN	34.67	FT.
	TOTAL	6785.00	FT.

WT. OF STRING 40m. LBS.

BIT RECORD

BIT NO.	4
SIZE	6 1/4
MFG.	Chris
TYPE	◇
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	FC 37105
DEPTH OUT	
DEPTH IN	6200.
TOTAL FTG.	585
TOTAL HR. RUN	100 1/2
COND. OF BIT	Run.
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	10[illegible]	3 00	6 00
WEIGHT	10.3	10.3	10.3
VISC.-SEC	50	50	50
W.L.-C.C.			
FLTR. CK.			
PH	10.5	10.5	10.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER R Henley

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
6750	6785	D		Fuel 4"		6	1650			5	65	
										X		
										4		

DEVIATION RECORD: DEPTH 6717 DEV. 24° DIRECTION N 45E

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12 00	12 45	3/4	Drlg. 6 1/4 hole w/ Dyna Drill
12 45	1 00	1/4	Rig Service BOPE
1 00	1 45	3/4	Survey w Homco @ 6717.
1 45	7 45	6	Drlg 6 1/4 hole w/ Dyna Drill
7 45	4 00	1/4	Survey w/ Homco

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
68	STANDS D.P.	6495.50	FT.
2	SINGLES D.P.	64.95	FT.
9	D.C. 2 1/4 I.D. 5 O.D.	265.31	FT.
	D.C. Monel I.D. O.D.	18.62	FT.
	STB. BODY Tam O.D.	6.75	FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
	SUBS Kelly O.D.	2.41	FT.
	BIT OR C.B.	.70	FT.
Dyna Drill		19.73	FT.
	KELLY DOWN	29.31	FT.
	TOTAL	6814.00	FT.

WT. OF STRING 80m LBS.

BIT RECORD

BIT NO.	4
SIZE	6 1/4
MFG.	Chris
TYPE	◇
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	FC 37105
DEPTH OUT	
DEPTH IN	6200
TOTAL FTG.	614
TOTAL HR. RUN	118
COND. OF BIT	Run
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	9 00	12 00	3 00
WEIGHT	10.3	10.3	10.3
VISC.-SEC	50	45	45
W.L.-C.C.	5.8		5.8
FLTR. CK.	2/32		2/32
PH	10.5		11.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Soltex	100#	Diesel	2 bbls
Caustic	100#		
Neutrolig	100#		

DRILLER B Valencia

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
6785	6814	D			—	6	1650	5 1/2		5	65	5
								X		X		
								14		14		

DEVIATION RECORD: DEPTH 6749 DEV. 23 1/2 DIRECTION N 5 E

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8 00	8 30	1/2	Survey w/ Homco @ 6749 23 1/2° N 5 E
8 30	4 00	7 1/2	Drlg 6 1/4 hole w/ Dyna drill

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
69	STANDS D.P.	6496.00	FT.
	SINGLES D.P.		FT.
9	D.C. 2 1/4 I.D. 5" O.D.	265.31	FT.
	D.C. Monel I.D. O.D.	18.62	FT.
	STB. Tam O.D.	6.75	FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
	SUBS Kelly O.D.	2.41	FT.
	BIT OR C.B.	.70	FT.
1 Dyna Drill		19.73	FT.
	KELLY DOWN	32.48	FT.
	TOTAL	6841.00	FT.

WT. OF STRING 80 m LBS.

BIT RECORD

BIT NO.	4
SIZE	6 1/4
MFG.	Chris
TYPE	◇
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	FC 37105
DEPTH OUT	
DEPTH IN	6200
TOTAL FTG.	641
TOTAL HR. RUN	125
COND. OF BIT	RUN
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	5 00	8 00	10 00
WEIGHT	10.3	10.3	10.3
VISC.-SEC	50	51	48
W.L.-C.C.	5.8		
FLTR. CK.	2/32		
PH	11.0		
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Supercal	200#	Diesel	2 bbls
Soltex	200#		
Caustic	100#		

DRILLER Gary E Rea

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
6814	6841	D			—	6	1650	5 1/2		5	65	5
								X		X		
								14		14		

DEVIATION RECORD: DEPTH 6780 DEV. 23 1/2 DIRECTION N 5 E

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4 00	4 30	1/2	Drlg 6 1/4 hole from 6814 w/ dyna drill
4 30	4 45	1/4	Rig Service c/ BOPE & Kelly Cock
4 45	5 30	3/4	Survey w/ Homco @ 6780 23 1/2° N 5 E
5 30	12 00	6 1/2	Drlg 6 1/4 hole w/ dyna drill

DAILY DRILLING REPORT

REPORT NO. 10 DATE Monday 11-17

OPERATOR: Mobil Oil Co LTD.

LEASE: Mobil Oil Hume River

WELL NO. L-04 | FIELD OR DIST. Hume River | COUNTY N.W.T. | STATE Canada

CONTRACTOR: S&T DRILLING (WESTERN) CO. LTD. | RIG NO. 1E

DRILL PIPE STRING NO. | SIZE | TOOL JOINT 5" O.D | TYPE THD. IF

SIGNATURE OF OPERATOR'S REPRESENTATIVE: K. Newell

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: L. Valenza

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	Nat	K 350	
2.	Nat	K 380	
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
7"	Jap.	20 23 J55	146			5742	Cemented 200 sax

TIME DISTRIBUTION–HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	7¼	8	7
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG	¾		¼
DEVIATION SURVEY	¾		¾
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
RIGGING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			
FISHING			
COMPLETION WORK: A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK	
HRS. W/DP	
HRS. WO/DP	
HRS. STANDBY	
TOTAL DAY WORK	

WIRE LINE RECORD

REEL NO.	
NO. OF LINES	SIZE
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
67	STANDS D.P.	6306.12 FT.
2	SINGLES D.P.	63.30 FT.
9	D.C. 2¼" I.D. 5" O.D.	265.31 FT.
	D.C. Monel I.D. O.D.	18.62 FT.
	STB. BODY Smith O.D.	6.75 FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
	SUBS Bak Safe	2.41 FT.
	BIT OR C.B.	.70 FT.
D	Drill	19.73 FT.
	KELLY DOWN	10.56 FT.
	TOTAL	6693.00 FT.

WT. OF STRING 60M LBS.

BIT RECORD

BIT NO.	H 4
SIZE	6¼
MFG.	Chris
TYPE	◇
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	EC37105
DEPTH OUT	
DEPTH IN	6200
TOTAL FTG.	493.
TOTAL HR. RUN	68 ¾
COND. OF BIT	Run
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	100	300	600
WEIGHT	10.2	10.2	10.2
VISC.–SEC	48	48	49
W.L.–C.C.			
FLTR. CK.			
PH	11.5	11.5	11.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER K. Newell

FOOTAGE

FROM	TO	DR.–D RM.–R CORE.–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PAR'EL–P COM'D–C
6662		D		Fuel 5'8"		6	1160			5"	65	
										x		
										14		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
6654	24°	N43E						

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1200	615	6¼	Drlg 6¼ hole w/ Dyna Drill
615	700	¾	Survey w/ Humco @ 6654 – 24° N43E.
700	800	1	Drlg 6¼ hole w/ Dyna Drill

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
69	STANDS D.P.	6369.42 FT.
2	SINGLES D.P.	FT.
9	D.C. I.D. O.D.	265.31 FT.
	D.C. I.D. O.D.	18.62 FT.
	STB. BODY O.D.	6.75 FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
	SUBS O.D.	2.41 FT.
	BIT ~~OR C.B.~~	.70 FT.
Dyna Drill		19.73 FT.
	KELLY DOWN	39.56 FT.
	TOTAL	6722.00 FT.

WT. OF STRING 80M LBS.

BIT RECORD

BIT NO.	4
SIZE	6¼
MFG.	Chris
TYPE	◇
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	EC39105
DEPTH OUT	
DEPTH IN	6200
TOTAL FTG.	522
TOTAL HR. RUN	91 ¾
COND. OF BIT	Run
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	900	1200	300
WEIGHT	10.2	10.2	10.2
VISC.–SEC	51	51	50
W.L.–C.C.		5.9	
FLTR. CK.		2/32	
PH		11.5	
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Soltex	150#		
Lignite	100#		
Diesel	2bbl		

DRILLER D. Thomas

FOOTAGE

FROM	TO	DR.–D RM.–R CORE.–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PAR'EL–P COM'D–C
6693	6722	D			–	6	1650	5½		5	65	S
								x		x		
								14		14		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
800	400	8	Drlg 6¼" hole w/ dyna drill
			Received 8945 gals fuel from Humco Dolar Via Bocki's Indah

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
68	STANDS D.P.	6400.65 FT.
	SINGLES D.P.	FT.
9	D.C. I.D. O.D.	265.31 FT.
	D.C. M.B. I.D. O.D.	18.62 FT.
	STB. BODY O.D.	6.75 FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	2.41 FT.
	SUBS O.D.	FT.
	BIT ~~OR C.B.~~	.70 FT.
Dyna Drill		19.73 FT.
	KELLY DOWN	36.33 FT.
	TOTAL	6750 FT.

WT. OF STRING 80M LBS.

BIT RECORD

BIT NO.	4
SIZE	6¼
MFG.	Chris
TYPE	◇
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	EC39105
DEPTH OUT	
DEPTH IN	6200
TOTAL FTG.	550
TOTAL HR. RUN	103 ¾
COND. OF BIT	Run
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	500	900	1100
WEIGHT	10.2	10.2	10.3
VISC.–SEC	50	49	49
W.L.–C.C.	6.0		
FLTR. CK	2/32		
PH	11.5	11.0	10.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER Gary

FOOTAGE

FROM	TO	DR.–D RM.–R CORE.–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PAR'EL–P COM'D–C
6722	6750	D					1650			5"	65	
										x		
										14 11		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
6685	24 3/4	N46E						

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
400	415	¼	Rig Service / Bops / Kelly cock
415	500	¾	Survey w/ Humco @ 6685 24 3/4 N 46 E
500	1200	7	Drlg 6¼" hole
			Received 3673 gals fuel from Humco Dolar Via Vopak Trucks

DAILY DRILLING REPORT

REPORT NO. 07 DATE March 10, 11

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
Mobil Oil Co LTD.	Mobil Oil Hume River	2-09	Hume River	N.W.T.	Canada

CONTRACTOR	RIG NO.	DRILL PIPE STRING NO.	DRILL PIPE STRING SIZE	TOOL JOINT O.D.	TYPE THD.
S&T DRILLING (WESTERN) CO. LTD.	IE			5"	IF

SIGNATURE OF OPERATOR'S REPRESENTATIVE: [signature]

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: [signature]

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	Nat.	K380	14"
2.	Nat.	K380	14"
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
7"	Jap.	20 23 J55	146			5687.	Cemented 200 sax

TIME DISTRIBUTION–HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	7¼	7	7
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG	¾		
DEVIATION SURVEY	¼	1	1
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
CASING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL	—		
TOTAL HOURS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK	
HRS. W/DP	
HRS. WO/DP	
HRS. STANDBY	
TOTAL DAY WORK	

WIRE LINE RECORD

REEL NO.	
NO. OF LINES	SIZE
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
66	STANDS D.P.	6212.22 FT.
2	SINGLES D.P.	62.51 FT.
9	D.C. 2½ I.D. 5" O.D.	265.31 FT.
	D.C. Monel I.D. O.D.	18.62 FT.
	STB. BODY Jars O.D.	6.75 FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
	SUBS Kelly Cock	2.41 FT.
	BIT OR C.B.	.70 FT.
D	Drill.	19.73 FT.
	KELLY DOWN	22.25 FT.
	TOTAL	6609. FT.

WT. OF STRING 80m LBS.

BIT RECORD

BIT NO.	4
SIZE	6¼
MFG.	Chris
TYPE	◇
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	EC37105
DEPTH OUT	6609
DEPTH IN	6200
TOTAL FTG.	409.
TOTAL HR. RUN	67½
COND. OF BIT	Run
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	1:00	3:00	6:00
WEIGHT	10.2	10.2	10.2
VISC.–SEC	48	48	48
W.L.–C.C.			
FLTR. CK.			
PH	11.5	11.5	11.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: [signature]

FOOTAGE

FROM	TO	DR–D RM–R CORE–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL–S PAR'EL–P COM'D–C
6577.	6609.			Fuck 4' 6"		6	1650			5"	65	
										X		
										14		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
6515	27¼	N35E						

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	3:45	3¾	Drlg. 6¼ hole w/ Dyna Drill.
3:45	4:30	¾	Survey w/ Home @ 6515.
4:30	8:00	3½	Drlg. 6¼ hole w/ Dyna Drill.

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
67	STANDS D.P.	6366.12 FT.
	SINGLES D.P.	FT.
9	D.C. 2½ O.D.	265.31 FT.
	D.C. Monel I.D. O.D.	18.62 FT.
	STB. BODY O.D.	6.75 FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
	SUBS Kelly O.D.	2.41 FT.
	BIT OR C.B.	.70 FT.
	Dyna Drill	19.73 FT.
	KELLY DOWN	17.86 FT.
	TOTAL	6637.00 FT.

WT. OF STRING 90m LBS.

BIT RECORD

BIT NO.	4
SIZE	6¼
MFG.	Chris
TYPE	◇
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	EC37105
DEPTH OUT	
DEPTH IN	6200
TOTAL FTG.	437
TOTAL HR. RUN	74½
COND. OF BIT	Run
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	9:00	12:00	3:00
WEIGHT	10.2	10.2	10.2
VISC.–SEC	48	48	48
W.L.–C.C.	6.2		6.2
FLTR. CK.	3/32		3/32
PH	11.5		11.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Super-Col	200#		
Pelter	200#		

DRILLER: [signature]

FOOTAGE

FROM	TO	DR–D RM–R CORE–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL–S PAR'EL–P COM'D–C
6609	6637	D			—	6	1650	5½		5"	65	S
								X		X		
								14		14"		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
6590	26½	N39E						

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	12:00	4	Drlg. 6¼" hole w/ Dyna-Drill
12:00	1:00	1	Survey w/ Homco @ 6590 N39E 26½°
1:00	4:00	3	Drlg 6¼" hole w/ Homco

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
67	STANDS D.P.	6306.12 FT.
1	SINGLES D.P.	31.50 FT.
9	D.C. 2½" I.D. 5" O.D.	265.31 FT.
	D.C. Monel I.D. O.D.	18.62 FT.
	STB. BODY Jars O.D.	6.75 FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
	SUBS Kelly O.D.	2.41 FT.
	BIT OR C.B.	.70 FT.
	Dyna Drill	19.73 FT.
	KELLY DOWN	11.06 FT.
	TOTAL	6662.00 FT.

WT. OF STRING 90m LBS.

BIT RECORD

BIT NO.	4
SIZE	6¼
MFG.	Chris
TYPE	◇
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	EC37105
DEPTH OUT	
DEPTH IN	
TOTAL	
TOTAL HR. RUN	
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	5:00	9:00	11:00
WEIGHT	10.2+	10.2	10.2
VISC.–SEC	47	47	47
W.L.–C.C.	6.2		
FLTR. CK	3/32		
PH	11.5	11.5	11.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: [signature]

FOOTAGE

FROM	TO	DR–D RM–R CORE–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL–S PAR'EL–P COM'D–C
6637	6662.	D				6	1650			5"	65	
										X		
										14		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	10:15	6¼	Drlg 6¼" hole w/ dyna drill
10:15	11:15	1	Survey w/ Homco @ 6622 25¾ N 41° E
11:15	12:00	¾	Drlg 6¼" hole w/ dyna drill

DAILY DRILLING REPORT

REPORT NO. - 1 DATE March 8/71 Mar 9/71

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
Mobil Oil Co. LTD	Mobil Oil Hume River	L-09	Hume River	N.W.T.	Canada

CONTRACTOR: S & T DRILLING (WESTERN) CO. LTD. RIG NO.: IE

DRILL PIPE STRING NO. / SIZE: TOOL JOINT 5" O.D. TYPE THD. IF

SIGNATURE OF OPERATOR'S REPRESENTATIVE:

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: A. STACK

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NoT	K 380	
2.	NoT	K 380	
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
7"	26 K55 ITC		146			5682	Cemented w/ 200 sx

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	6¼	3	3½
REAMING			
CONDITIONING MUD & CIRCULATING			1
TRIPS		3¼	3
LUBRICATE RIG	¼	¼	
DEVIATION SURVEY	1½	¾	1
TEST B.O.P.		¼	
CUT OFF DRILLING LINE			¼
REPAIR RIG			
[illegible]			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
ORIENTED D. DRILL STEM TEST			1
OTHER		½	1¼
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
[illegible]	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK			
HRS. W/DP			
HRS. WO/DP			
HRS. STANDBY			
TOTAL DAY WORK			

WIRE LINE RECORD

REEL NO.	
NO. OF LINES	SIZE
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
66	STANDS D.P.	6212.22	FT.
	SINGLES D.P.		FT.
9	D.C. I.D. O.D.	265.31	FT.
	D.C. Monel I.D. O.D.	18.62	FT.
	STB. BODY Jars O.D.	6.75	FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
	SUBS Kelly O.D.	2.41	FT.
	BIT OR C.B.	.70	FT.
D	Drill	19.73	FT.
	KELLY DOWN	15.50	FT.
	TOTAL	6541.00	FT.

WT. OF STRING: 80m. LBS.

BIT RECORD

BIT NO.	#4
SIZE	6¼
MFG.	Chris
TYPE	◇
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	E637105
DEPTH OUT	
DEPTH IN	6200
TOTAL FTG.	341
TOTAL HR. RUN	53¾
COND. OF BIT	Run.
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	100	300	600
WEIGHT	10.1	10.2	10.2
VISC.-SEC			
W.L.-C.C.			
FLTR. CK.			
PH	12.0	12.0	12.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: R. Maly

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
6501	6541	D		Fuel 4'		6	1600			5"	65	
										x		
										14		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
6501	27¾	N28E	6533	26¾	N31E			

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12.00	12.15	¼	Rig Serv. - BOPs
12.15	1.00	¾	Survey @ 6501 w/ Homco
1.00	5.45	4¾	Drlg 6¼ hole w/ Dyna Drill.
5.45	6.30	¾	Survey @ 6533
6.30	8.00	1½	Drlg 6¼ hole w/ Dyna Drill.

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
66	STANDS D.P.	6212.22	FT.
	SINGLES D.P.		FT.
9	D.C. 2¼ I.D. 5" O.D.	265.31	FT.
	D.C. Monel I.D. O.D.	18.62	FT.
	STB. Jars BODY O.D.	6.75	FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
	SUBS Kelly O.D.	2.41	FT.
	BIT O.D.	.70	FT.
			FT.
	KELLY DOWN	35.76	FT.
	TOTAL	6561.00	FT.

WT. OF STRING: 90m LBS.

BIT RECORD

BIT NO.	4
SIZE	6¼
MFG.	Chris
TYPE	◇
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	E637105
DEPTH OUT	
DEPTH IN	6200
TOTAL FTG.	361
TOTAL HR. RUN	56¾
COND. OF BIT	good
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	900	1200	
WEIGHT	10.2	10.2	
VISC.-SEC	48	49	
W.L.-C.C.	6.0	6.0	
FLTR. CK.	3/32	3/32	
PH	11.5	11.5	
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Separol	350#		
Gelex	150#		

DRILLER: R. Williams

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
6541	6561	D				6	1600	5½		5	65	S
								x		x		
								14		14		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
6526	27°	N33E						

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8.00	11.00	3	Drlg 6¼ hole w/ dyna drill
11.00	11.15	¼	Rig Service - Bops - Kellycock
11.15	12.00	¾	Survey w/ Homco @ 6526 27° N33E
12.00	2.30	2½	Hoist to change dyna drill
2.30	3.00	½	Change dyna drill & Stand
3.00	3.15	¼	Ream
3.15	4.00	¾	Ream 32' w/ dyna drill to 5220'

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
66	STANDS D.P.	6212.22	FT.
1	SINGLES D.P.	31.31	FT.
9	D.C. 2¼ I.D. 5" O.D.	265.31	FT.
	D.C. Monel I.D. O.D.	18.62	FT.
	STB. Jars BODY O.D.	6.75	FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
	SUBS O.D.	2.41	FT.
	BIT OR C.B.	.70	FT.
D.	Drill	14.73	FT.
	KELLY DOWN	20.45	FT.
	TOTAL	6577.00	FT.

WT. OF STRING: LBS.

BIT RECORD

BIT NO.	4
SIZE	6¼
MFG.	Chris
TYPE	◇
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	E637105
DEPTH OUT	
DEPTH IN	6200
TOTAL FTG.	377
TOTAL HR. RUN	60¼
COND. OF BIT	Run.
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	532-101	800	1100
WEIGHT	545-9.6	10.2	10.2
VISC.-SEC	530-47	49	48
W.L.-C.C.	600-8 / 105-9.6		
FLTR. CK.	610-10.1 / 615-10.2		
PH			11.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Protecto	Magic 100#		
Diesel	266 bbls.		

DRILLER: Barry Hollis

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
6561	6577	D				6	1600			5"	65	
										x		
										14		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4.00	4.45	¾	Trip in w/ dyna drill to 5200'
4.45	5.00	¼	Slip 23' drlg line
5.00	5.15	¼	Trip in
5.15	6.15	1	Ream w/ dyna drill - ✓ Stairs for gas cut mud
6.15	7.15	1	Survey - Orient dyna drill
7.15	10.15	3	Drlg 6¼ hole w/ dyna drill
10.15	11.30	1¼	Circ. Dyna Drill to Lower Pump Press.
11.30	12.00	½	Drill 6¼ hole w/ Dyna Drill

KODAK SAFETY ▲ FILM ■

DAILY DRILLING REPORT

REPORT NO. 23 DATE June 8/71

OPERATOR: Mobil Oil Co. LTD.

LEASE: Mobil Oil Hume River

WELL NO. L-09 | FIELD OR DIST. Hume River | COUNTY N.W.T. | STATE Canada

CONTRACTOR: S & T DRILLING (WESTERN) CO. LTD. | RIG NO. IE

DRILL PIPE STRING NO. 4 SIZE | TOOL JOINT 5" O.D. | TYPE THD. I.F

SIGNATURE OF OPERATOR'S REPRESENTATIVE: R. Newell

SIGNATURE OF CONTRACTOR'S TOOL PUSHER:

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NoT	K 380	14"
2.	NoT	K 380	14"
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
7"	Jap.	20/23 J.55	146			5882	Cemented w/200sax

MORNING TOUR

TIME DISTRIBUTION–HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	5½	7	7
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG		¼	
DEVIATION SURVEY	1	¾	¼
TEST B.O.P.			
CUT OFF DRILLING LINE			
[illegible] RIG			
[illegible]ING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER Orienting Dyna Drill			1½
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. STABBING			
D. TESTING			
E. ADDITIONAL			
[illegible]RS	6	8	

DRILLING ASSEMBLY AT END OF TOUR

NO.			
44	STANDS D.P.	6315.68	FT.
2	SINGLES D.P.	62.70	FT.
a	D.C. 2¼ I.D. 5" O.D.	265.31	FT.
	D.C. Monel I.D. O.D.	18.62	FT.
	STB. BODY O.D.	6.75	FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
	SUBS [illegible] O.D.	2.41	FT.
	BIT OR C.B.	.70	FT.
Dyna Drill		19.43	FT.
	KELLY DOWN	14.42	FT.
	TOTAL	6.4 1900	FT.

WT. OF STRING 80m. LBS.

BIT RECORD

BIT NO.		#4
SIZE		6¼
MFG.		Chris
TYPE		◇
NOZZLE	NO.	
	SIZE	
SER. NO.		EC 37105
DEPTH OUT		
DEPTH IN		6200
TOTAL FTG.		219
TOTAL HR. RUN		33½
COND. OF BIT		Run
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	10	3	6
WEIGHT	10.1	10.2	10.2
VISC.–SEC	49	48	48
W.L.–C.C.			
FLTR. CK.			
PH	11.5	11.5	11.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER R. Newell

FOOTAGE

FROM	TO	DR.–D RM.–R CORE.–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PAR'EL–P COM'D–C
6389	6419			Fuel Hi 6"		5	1600	5½		5"	65	S
								X		X		
								14		14"		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12	1.30	1½	Orienting Dyna Drill
1.30	4.30	3	Drlg 6¼ hole w/ Dyna Drill
4.30	5.30	1	Survey @ 6407 w/ Hamco
5.30	4	2½	Drlg 6¼ hole w/ Dyna Drill

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
65	STANDS D.P.	6118.74	FT.
	SINGLES D.P.		FT.
9	D.C. 2½ I.D. 5" O.D.	265.31	FT.
	D.C. Monel I.D. O.D.	18.62	FT.
	STB. BODY O.D.	6.95	FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
	SUBS [illegible] O.D.	2.41	FT.
	BIT OR C.B.	.70	FT.
Dyna Drill		19.43	FT.
	KELLY DOWN	24.26	FT.
	TOTAL	6456.00	FT.

WT. OF STRING 80m LBS.

BIT RECORD

BIT NO.		4
SIZE		6¼
MFG.		Chris
TYPE		◇
NOZZLE	NO.	
	SIZE	
SER. NO.		EC 39165
DEPTH OUT		
DEPTH IN		6200
TOTAL FTG.		256
TOTAL HR. RUN		40½
COND. OF BIT		Run
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	9	12	3
WEIGHT	10.2	10.2	10.2
VISC.–SEC	48	46	48
W.L.–C.C.		5.9	
FLTR. CK.		2/32	
PH		10.5	12.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Caustic	100#	Diesel	4 bbls
Soltex	100#	Supercal	350#
Dia-Sheen	300#		

DRILLER B. Robinson

FOOTAGE

FROM	TO	DR.–D RM.–R CORE.–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PAR'EL–P COM'D–C
6419	6456	D			–	6	1600	5½		5	65	S
								X		X		
								14		14		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
6403	30½	N23E						

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8	11.45	3¾	Drlg 6¼ hole w/ Dyna Drill
11.45	12	¼	Rig Service & Bop's & Kelly cock's
12	12.45	¾	Survey w/ Hamco
12.45	4	3¼	Drlg 6¼ hole

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
65	STANDS D.P.	6118.74	FT.
1	SINGLES D.P.	31.16	FT.
9	D.C. 2½ I.D. 5" O.D.	265.31	FT.
	D.C. Monel I.D. O.D.	18.62	FT.
	STB. BODY O.D.	6.95	FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
K	SUBS [illegible] O.D.	2.41	FT.
	BIT OR C.B.	.70	FT.
Dyna Drill		14.43	FT.
	KELLY DOWN	38.08	FT.
	TOTAL	6501.00	FT.

WT. OF STRING 80m. LBS.

BIT RECORD

BIT NO.		4
SIZE		6¼
MFG.		Chris
TYPE		◇
NOZZLE	NO.	
	SIZE	
SER. NO.		EC 37105
DEPTH OUT		
DEPTH IN		6200
TOTAL FTG.		301
TOTAL HR. RUN		47½
COND. OF BIT		Run
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	5	8	11
WEIGHT	10.2	10.1	10.1
VISC.–SEC	46	49	48
W.L.–C.C.	5.8	5.9	
FLTR. CK	2/32	2/32	
PH	12.0	12.0	11.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Supercal	350#		

DRILLER Dayo Kelli

FOOTAGE

FROM	TO	DR.–D RM.–R CORE.–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.–S PAR'EL–P COM'D–C
6456	6501	D			–	6	1600	5¼		5	65	S
								X		X		
								14		14		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
6434	29°	N26E						

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4.00	6.15	2¼	Drlg w/ dynadrill
6.15	7.15	1	Survey w/ Hamco @ 6434 27½° N26E
7.15	12.00	4¾	Drlg 6¼ hole

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK	
HRS. W/DP	
HRS. WO/DP	
HRS. STANDBY	
TOTAL DAY WORK	

WIRE LINE RECORD

REEL NO.	
NO. OF LINES	SIZE
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	

DAILY DRILLING REPORT

REPORT NO. 0 DATE Jan 7/71

OPERATOR: Mobil Oil Co. LTD.

LEASE: Mobil Oil Hume River

WELL NO. 2-04 FIELD OR DIST. Hume River COUNTY N.W.T STATE Canada

CONTRACTOR: S&T DRILLING (WESTERN) CO. LTD. RIG NO. IE

DRILL PIPE STRING NO. 14 SIZE; TOOL JOINT 5" O.D. TYPE THD. I.F

SIGNATURE OF OPERATOR'S REPRESENTATIVE: R Mundell

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: R. STACK

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	N.T.	K380	14"
2.	N.T.	K350	14"
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
7"	Jap.	20/23 J55	146.			5482	Cemented w/100 sax

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	6	6½	1½
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			1½
LUBRICATE RIG			
DEVIATION SURVEY	½	1½	1
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
LOGGING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT order			3½
DRILL STEM TEST			
OTHER Circ. Dyna Drill Check mud For Gas			3½
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
HOURS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK			
HRS. W/DP			
HRS. WO/DP			
HRS. STANDBY			
TOTAL DAY WORK			

WIRE LINE RECORD

REEL NO.

NO. OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
63	STANDS D.P.	5429.22 FT.
	SINGLES D.P.	62.95 FT.
1	D.C. Monel I.D. O.D.	18.62 FT.
9	D.C. 2¼" I.D. 5" O.D.	265.37 FT.
	STB. BODY O.D.	FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
1	SUBS Dyna Drill O.D.	14.73 FT.
	BIT OR C.B. 3 Heads	3.11 FT.
	Jars.	6.75 FT.
	KELLY DOWN	39.31 FT.
	TOTAL	6345 FT.

WT. OF STRING LBS.

BIT RECORD

BIT NO.		#4
SIZE		6¼
MFG.		Chris
TYPE		◇
NOZZLE	NO.	
	SIZE	
SER. NO.		FC3710S
DEPTH OUT		
DEPTH IN		6200.
TOTAL FTG.		145
TOTAL HR. RUN		20
COND. OF BIT		Run
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	100	300	600
WEIGHT	10.1	10.1	10.1+
VISC.-SEC	49	49	48
W.L.-C.C.			
FLTR. CK.			
PH	12.0	12.0	12.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER R Hunley

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
6298					—	6	1650	5½ x M	53.	5"	65	

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	6313.	31'	N24E	6345					

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12.00	1.30	1½	Drlg 6¼ hole w/ Dyna Drill.
1.30	2.15	¾	Survey @ 6313 w/ Homco.
2.15	6.45	4½	Drlg 6¼ hole w/ Dyna Drill.
6.45	8.00	1¼	Survey @ 6345 w/ Homco.

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
64	STANDS D.P.	6055.71 FT.
1	SINGLES D.P.	FT.
9	D.C. 2¼ I.D. 5" O.D.	265.37 FT.
	D.C. Monel I.D. O.D.	18.62 FT.
	STB. BODY Jars O.D.	6.75 FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
	SUBS KS+BS O.D.	2.41 FT.
	BIT OR C.B.	.70 FT.
	Dyna Drill	19.73 FT.
	KELLY DOWN	10.27 FT.
	TOTAL	6379.00 FT.

WT. OF STRING LBS.

BIT RECORD

BIT NO.		#4
SIZE		6¼
MFG.		Chris
TYPE		◇
NOZZLE	NO.	
	SIZE	
SER. NO.		FC3710S
DEPTH OUT		
DEPTH IN		6200
TOTAL FTG.		179
TOTAL HR. RUN		26½
COND. OF BIT		Run
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	8.00	11.00	3.00
WEIGHT	10.1+	10.1	10.1
VISC.-SEC	48	49	48
W.L.-C.C.		5.6	
FLTR. CK.		3/32	
PH	12.0	12.0	12.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Diesel	40 bbls		
Spersene	350#		

DRILLER R Hunley

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
6345	6379	D			—	6	1650	5½ x 14		5 x 14	65	S

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8.00	8.15	¼	Survey w/ Homco
8.15	2.30	6¼	Drlg 6¼" hole
2.30	3.45	1¼	Survey w/ Homco
3.45	4.00	¼	Drlg 6¼" hole w/ Dyna Drill

BIT RECORD

BIT NO.		#4
SIZE		6¼
MFG.		Chris
TYPE		◇
NOZZLE	NO.	
	SIZE	
SER. NO.		FC3710S
DEPTH OUT		
DEPTH IN		6379.00
TOTAL FTG.		179
TOTAL HR. RUN		29
COND. OF BIT		Run
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	5.00	11.15	11.30
WEIGHT	10.1	10.1	10.1
VISC.-SEC	48	104.5	12.10
W.L.-C.C.	5.6	10.1	10.1
FLTR. CK	3/32		
PH	12.0		
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER Barry & Robin

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
6379	6389						1650	5½ x 14"		5 x 14	65	S

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	6365	32	N21E						

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4.00	5.30	1½	Drlg 6¼" hole w/ dyna drill
5.30	7.00	1½	Circ. & W.O.O.
7.00	8.00	1	Survey w/ Homco
8.00	8.45	¾	Circ. & W.O.O.
8.45	9.30	¾	Pull 12 stands To Casing
9.30	10.45	1¼	W.O.O.
10.45	11.15	½	Run in w/ Dyna Drill
11.15	12.00	¾	Circ. Dyna Drill Check mud For Gas - FOR 1 HR. WT

DAILY DRILLING REPORT

REPORT NO. 31 DATE MARCH 6-11

OPERATOR: Mobil Oil Co. LTD.

LEASE: Mobil Oil Hume River

WELL NO. 2-09 | FIELD OR DIST. Hume River | COUNTY N.W.T. | STATE Canada

CONTRACTOR: S&T DRILLING (WESTERN) CO. LTD. | RIG NO. 1E

DRILL PIPE STRING NO. 4 SIZE | TOOL JOINT 6" O.D. | TYPE THD. I.F.

SIGNATURE OF OPERATOR'S REPRESENTATIVE: R. Llewellyn

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: A STACK

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	National	12 380	14"
2.	"	"	14"
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
7"	JAP	29 & 32 J55	246		-	5882	Cemented w/200 sax

TIME DISTRIBUTION–HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	1	7	6
REAMING			
CONDITIONING MUD & CIRCULATING	1		
TRIPS	4		
LUBRICATE RIG		1/4	
DEVIATION SURVEY		3/4	2
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
WELDING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER Directing Dyna Drill		2	
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTAL:	8	8	8

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	
62	STANDS D.P.	5884 FT.
1	SINGLES D.P.	FT.
9	D.C. 2¼" I.D. x 5" O.D.	265.31 FT.
	D.C. Monel I.D. O.D.	16.62 FT.
	SUB I.D. O.D.	1.48 FT.
	STB. BODY O.D.	FT.
	STB. BODY O.D.	.93 FT.
	Dyna Drill	10.73 FT.
	BIT OR C.B.	.70 FT.
	JARS	6.75 FT.
	KELLY DOWN	7.60 FT.
	TOTAL	6204. FT.
	WT. OF STRING	74m LBS.

BIT RECORD

BIT NO.	4	4
SIZE		6¼
MFG.		CHRIS
TYPE		Q
NOZZLE NO.		
NOZZLE SIZE		
SER. NO.		
DEPTH OUT		
DEPTH IN		6200
TOTAL FTG.		4
TOTAL HR. RUN		1
COND. OF BIT		Run
REAMER NO.		
REAMER TYPE		

MUD RECORD Mud Wt. Check For Gas

TIME	400	4.30	4.40
WEIGHT	10.1	9.8	10.
VISC.-SEC	Time	Check	
W.L.-C.C.	450	5.00	5.10
FLTR. CK.	10.0	10.1	10.1
PH	6.0	6.80	7.00
SD. CONT. %	10.1	10.1	10.1
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER R Hunley

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
6200				Fuel 6' 2"		4	1600	5½ X 14	53			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12.00	12.45	3/4	Pick up Dyna Drill change Jars & Bit
12.45	4.00	3 1/4	Run back in hole Slowly
4.00	5.00	1	Circ Bottom Hole up check mud for gas
5.00	7.00	2	Orienting Dyna Drill.
7.00	8.00	1	Drlg 6¼ hole w/ Dyna Drill.

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	
62	STANDS D.P.	5898.85 FT.
2	SINGLES D.P.	FT.
9	D.C. I.D. O.D.	265.31 FT.
	D.C. Monel I.D. O.D.	16.62 FT.
	STB. BODY O.D.	FT.
	STB. BODY O.D.	6.75 FT.
	RMR. BODY O.D.	FT.
	SUBS K.S.B.S O.D.	2.48 FT.
	BIT OR C.B.	.70 FT.
	Spudrill	19.73 FT.
	KELLY DOWN	35.93 FT.
	TOTAL	6247.00 FT.
	WT. OF STRING	80m LBS.

BIT RECORD

BIT NO.	4	4
SIZE		6¼
MFG.		Chris
TYPE		Q
NOZZLE NO.		
NOZZLE SIZE		
SER. NO.		237105
DEPTH OUT		
DEPTH IN		6200
TOTAL FTG.		47
TOTAL HR. RUN		8
COND. OF BIT		Run
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	900	1200	300
WEIGHT	10.1	10.1	10.1
VISC.-SEC	48	46	50
W.L.-C.C.	5.6		5.4
FLTR. CK.	3/32		3/32
PH	12.0		12.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Spersed	350#		
Diesel	400		

DRILLER D Thompson

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
6204	6247	D			-	6	1650	5½ X 14	53	5 X 14		5

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
6195	33°	N19E	6235	32	N21E			

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8.00	10.45	2 3/4	Drlg 6¼" hole w/ Dyna drill
10.45	11.00	1/4	Rig Service / Hoops
11.00	11.05	1/4	Survey w/ Hamco @ 6185
11.05	4.00	4 1/4	Drlg 6¼ hole w/ D. Drill

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	
63	STANDS D.P.	5929.22 FT.
1	SINGLES D.P.	31.79 FT.
9	D.C. 2¼" I.D. 5" O.D.	265.31 FT.
	D.C. Monel I.D. O.D.	15.62 FT.
	STB. BODY O.D.	FT.
	STB. BODY O.D.	6.75 FT.
	RMR. BODY O.D.	FT.
	SUBS K.S.B.S O.D.	2.41 FT.
	BIT OR C.B.	.70 FT.
	Dyna Drill	14.93 FT.
	KELLY DOWN	23.47 FT.
	TOTAL	6298 FT.
	WT. OF STRING	LBS.

BIT RECORD

BIT NO.	4	4
SIZE		6¼
MFG.		Chris
TYPE		Q
NOZZLE NO.		
NOZZLE SIZE		
SER. NO.		237105
DEPTH OUT		
DEPTH IN		6200
TOTAL FTG.		98
TOTAL HR. RUN		14
COND. OF BIT		Run.
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	500	900	1100
WEIGHT	10.1	10.1	10.1
VISC.-SEC	49	48	49
W.L.-C.C.	5.6		
FLTR. CK	3/32		
PH	12.0		12.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER Larry & Bellis

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
6247	6298	D			-	6	1650	5½ ✓ 14	53	5 X 14	97	5

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
6215	32	N21E	6281	31½	N22E			

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4.15	4.45	1/2	Drlg 6¼" hole
4.45	5.15	1/2	Survey w/ Hamco @ 6215
5.15	9.45	3 1/2	Drlg 6¼" hole
9.45	9.45	1	Survey @ 6281 w/ Hamco
9.45	12.00	2 1/4	Drlg 6¼ hole w/ Dyna Drill.

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK	
HRS. W/DP	
HRS. WO/DP	
HRS. STANDBY	
TOTAL DAY WORK	

WIRE LINE RECORD

REEL NO.	
NO. OF LINES	SIZE
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	

DAILY DRILLING REPORT

REPORT NO. # 4 DATE March 5th 11

OPERATOR: Mobil Oil Can. LTD

LEASE: Mobil Oil Hume River

WELL NO. L-09. FIELD OR DIST. Hume River COUNTY N.W.T. STATE Canada

CONTRACTOR: S&T DRILLING (WESTERN) CO. LTD. RIG NO. 1E

DRILL PIPE STRING NO. | SIZE | TJOL JOINT O.D. | TYPE THD.

SIGNATURE OF OPERATOR'S REPRESENTATIVE: L. Hewell

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: A STACK

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NOT	K 380	14"
2.	NOT	K 350	14"
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
7"	Jap.	23/23 T55	146			5282	Cemented w/ 200 sax

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	7¾	6¾	
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG	¼	¼	
DEVIATION SURVEY		1	
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
WELDING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			
FISHING			

COMPLETION WORK: A. PERFORATING; B. TUBING TRIPS; C. SWABBING; D. TESTING; E. ADDITIONAL

TOTALS 8 8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK			
HRS. W/DP			
HRS. WO/DP			
HRS. STANDBY			
TOTAL DAY WORK			

WIRE LINE RECORD

REEL NO.

NO. OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
40	STANDS D.P.	5645.30	FT.
	SINGLES D.P.		FT.
15	D.C. 2¾" I.D. 5" O.D.	477.77	FT.
	D.C. Monel I.D. O.D.	18.62	FT.
2	STB. BODY O.D.	6.45	FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
2	SUBS X-O O.D.	3.29	FT.
	BIT OR C.B.		FT.
	Jars.	7.71	FT.
	KELLY DOWN	34.26	FT.
	TOTAL	6153	FT.

WT. OF STRING 480m LBS.

BIT RECORD

BIT NO.	#3.
SIZE	6¼
MFG.	Chris.
TYPE	◇
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	EC12710
DEPTH OUT	
DEPTH IN	5541
TOTAL FTG.	612
TOTAL HR. RUN	107¼
COND. OF BIT	Run.
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	10a	3p	6p
WEIGHT	10.1	10.1	10.2
VISC.-SEC	50 53	52	50
W.L.-C.C.			
FLTR. CK.			
PH	12.5	12.5	12.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER B Hanley

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
6116	6153			Fuel 7'	70	16	1600	5½	55			
								x				
								14"				

DEVIATION RECORD: DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12⁰⁰	2.15	2¼	Drlg. 6¼ hole.
2.15	2.30	¼	Rig Serv. + BOP. + Kelly Cock
2.30	8.00	5½	Drlg. 6¼ hole

Checked All Fire Ext.

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
60	STANDS D.P.	5676.78	FT.
1	SINGLES D.P.		FT.
15	D.C. 2¾ I.D. 5 O.D.	437.37	FT.
	D.C. Monel I.D. O.D.	18.62	FT.
2	STB. BODY O.D.	6.45	FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
2	SUBS X-O O.D.	3.29	FT.
	BIT OR C.B.		FT.
	Jars	2.71	FT.
	KELLY DOWN	38.78	FT.
	TOTAL	6189.12	FT.

WT. OF STRING 91m LBS.

BIT RECORD

BIT NO.	3
SIZE	6¼
MFG.	Chris
TYPE	◇
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	EC12710
DEPTH OUT	
DEPTH IN	5541
TOTAL FTG.	648
TOTAL HR. RUN	114
COND. OF BIT	Run
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	9a	12n	3p
WEIGHT	10.2	10.2	10.2
VISC.-SEC	49	48	50
W.L.-C.C.	5.4	5.4	5.8
FLTR. CK.	2/32	2/32	2/32
PH	12.0	12.0	12.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Super-Mul	350#		

DRILLER D. Johnson

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
6153	6189	D			70	16	1600	5½	55	5		
								x		x		
								14		14		

DEVIATION RECORD: DEPTH 6159 — 32 | DEV. | DIRECTION N20E | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8⁰⁰	9⁰⁰	1	Drlg 6¼" hole
9⁰⁰	9¹⁵	¼	Rig Service + Bop drill + Kelly cock
9¹⁵	10¹⁵	1	Survey @ 6159 Smooth two Runs
10¹⁵	4⁰⁰	5¾	Drlg 6¼" hole

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
	STANDS D.P.		FT.
	SINGLES D.P.		FT.
	D.C. I.D. O.D.		FT.
	D.C. I.D. O.D.		FT.
	STB. BODY O.D.		FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
	SUBS O.D.		FT.
	BIT OR C.B.		FT.
			FT.
	KELLY DOWN		FT.
	TOTAL		FT.

WT. OF STRING LBS.

BIT RECORD

BIT NO.	3
SIZE	6¼
MFG.	Chris
TYPE	◇
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	EC12710
DEPTH OUT	6200
DEPTH IN	5541
TOTAL FTG.	659
TOTAL HR. RUN	116
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	4⁰⁰		
WEIGHT	10.2		
VISC.-SEC	47		
W.L.-C.C.	5.8		
FLTR. CK	2/32		
PH	12.0		
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
6189	6200	D			70	16	1600	5½	54	5		5
								x		x		
								14		14		

DEVIATION RECORD: DEPTH 6191 | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4⁰⁰	4¹⁵	¼	Rig Service + Bop drill + Kelly cock
4¹⁵	6¹⁵	2	Drlg 6¼" hole
6¹⁵	6⁴⁵	½	Survey @ 6190
6⁴⁵	7³⁰	¾	Dummy trip into 7" Casg — hole cond. good
7³⁰	8⁴⁵	1¼	Circ cond. hole to run Dyna Drill
8⁴⁵	12⁰⁰	3¼	STRAP OUT OF HOLE, PULLING VERY SLOW.

DAILY DRILLING REPORT

REPORT NO. 17 DATE March 4/11

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
Mobil Oil Can. LTD.	Mobil Oil Hume River	L-04	Hume River	NWT	Canada

CONTRACTOR: S & T DRILLING (WESTERN) CO. LTD. RIG NO. 1 E

DRILL PIPE STRING NO. / SIZE: TOOL JOINT O.D. / TYPE THD.

SIGNATURE OF OPERATOR'S REPRESENTATIVE: [signature]

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: A STACK

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	Nat.	K 380	
2.	Nat.	K 380	
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
7"	Imp.	23/23 J55	146			5282	Cemented. 200 sax

TIME DISTRIBUTION–HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	7½	7¼	7½
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG	¼	¼	¼
DEVIATION SURVEY	½		½
TEST B.O.P.			
CUT OFF DRILLING LINE			
[illegible] AIR RIG			
[illegible] ING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
[illegible] ALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK			
HRS. W/DP			
HRS. WO/DP			
HRS. STANDBY			
TOTAL DAY WORK			

WIRE LINE RECORD

REEL NO.	
NO. OF LINES	SIZE
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
54	STANDS D.P.	5551.22 FT.
	SINGLES D.P.	FT.
15	D.C. 2¼" I.D. 5" O.D.	437.37 FT.
	D.C. Monel I.D. O.D.	18.62 FT.
2	STB. BODY O.D.	6.45 FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
2	SUBS X O O.D.	3.29 FT.
	BIT OR C.B.	FT.
	Jars.	7.71 FT.
	KELLY DOWN	28.17 FT.
	TOTAL	6084.60 FT.

WT. OF STRING 90m LBS.

BIT RECORD

BIT NO.	3
SIZE	6¼
MFG.	Chris
TYPE	D
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	EC12710
DEPTH OUT	
DEPTH IN	5541
TOTAL FTG.	504
TOTAL HR. RUN	84¾
COND. OF BIT	Run.
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	1:00	3:00	6:00
WEIGHT	10.3	10.2	10.1+
VISC.-SEC	49	53	52
W.L.-C.C.			
FL TR. CK.			
PH	12.5	12.5	12.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
SuperCol	60#		

DRILLER B. Hanby

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PAR'EL–P COM'D–C
6007	6049			Fuel. 8'	70	16	1600	5½	55			
								x				
								14				

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	12:15	¼	Rig Serv. & BOPs
12:15	4:45	4½	Drlg. 6¼ hole.
4:45	5:15	½	Survey @ 6034 Well Static
5:15	8:00	2¾	Drlg. 6¼ hole. while taking survey.

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
54	STANDS D.P.	555.39 FT.
1	SINGLES D.P.	555 FT.
15	D.C. 2¼ I.D. 5" O.D.	437.37 FT.
	D.C. Monel I.D. O.D.	18.62 FT.
2	STB. BODY O.D.	6.45 FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
2	SUBS X O O.D.	3.29 FT.
	BIT OR C.B.	FT.
	Jars	7.71 FT.
	KELLY DOWN	28.17 FT.
	TOTAL	6084.60 FT.

WT. OF STRING 90m LBS.

BIT RECORD

BIT NO.	3
SIZE	6½
MFG.	Chris
TYPE	D
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	EC12710
DEPTH OUT	
DEPTH IN	5541
TOTAL FTG.	543'
TOTAL HR. RUN	92½
COND. OF BIT	Run
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	9:00	12:00	3:00
WEIGHT	10.1	10.1	10.1
VISC.-SEC	49	48	47
W.L.-C.C.	5.6		5.6
FLTR. CK.	2/32		2/32
PH	12.0		12.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Diesel	8 bbls		
gelties	100#		
Caustic	100#		

DRILLER [signature]

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO.1 LINER SIZE	PUMP NO.1 S.P.M.	PUMP NO.2 LINER SIZE	PUMP NO.2 S.P.M.	METHOD RUN SGL.–S PAR'EL–P COM'D–C
6049	6084	D			70	16	1600	5½	55	5		S
								x		x		
								14		14		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	8:15	¼	Rig Service / Bop's / Tally pipe
8:15	4:00	7¾	Drlg 6¼" hole

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
54	STANDS D.P.	555122 FT.
2	SINGLES D.P.	6250 FT.
15	D.C. 2¼" I.D. 5" O.D.	437.37 FT.
	D.C. Monel I.D. O.D.	18.62 FT.
2	STB. BODY O.D.	6.45 FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
2	SUBS X O O.D.	3.29 FT.
	BIT OR C.B.	FT.
1	Jars.	7.71 FT.
	KELLY DOWN	28.84 FT.
	TOTAL	6116 FT.

WT. OF STRING LBS.

BIT RECORD

BIT NO.	3
SIZE	6¾
MFG.	Chris
TYPE	D
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	EC12710
DEPTH OUT	
DEPTH IN	5541
TOTAL FTG.	575
TOTAL HR. RUN	94¾
COND. OF BIT	Run.
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	5:00	9:00	11:00
WEIGHT	10.1	10.2	10.1
VISC.-SEC	47	51	49
W.L.-C.C.	5.4		
FLTR. CK	2/32		
PH	12.0	12.0	12.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Caustic	100		
Gelties	100		
Diesel	2 66⅔		

DRILLER Dave & Butch

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PAR'EL–P COM'D–C
6084	6116	D			70	16	1600	5½	55	5		S
								x		x		
								14		14		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
6096	32°	NES						

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	4:15	¼	Rig Service / Bop's
4:15	7:00	2¾	Drlg 6¼" hole
7:00	7:30	½	Survey @ 6096
7:30	12:00	4½	Drlg 6¼" hole

DAILY DRILLING REPORT

REPORT NO. 10 DATE March 7/1

OPERATOR: Mobil Oil Can L.T.D.

LEASE: Mobil Oil Hume River

WELL NO. L-04 | FIELD OR DIST. Hume River | COUNTY N.W.T. | STATE Canada

CONTRACTOR: S & T DRILLING (WESTERN) CO. LTD. | RIG NO. 1E

DRILL PIPE STRING NO. / SIZE | TOOL JOINT O.D. | TYPE THD.

SIGNATURE OF OPERATOR'S REPRESENTATIVE: L. Newell

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: A STACK

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NOT	K 380	14"
2.	NOT.	K 380	14"
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
7"	Jap	24/23 55	146			5282	Cemented 200 sax.

TIME DISTRIBUTION—HOURS

	NORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	7½	9½	
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG	½	½	
DEVIATION SURVEY	½		
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
REAMING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK	
HRS. W/DP	
HRS. WO/DP	
HRS. STANDBY	
TOTAL DAY WORK	

WIRE LINE RECORD

REEL NO.	
NO. OF LINES / SIZE	
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
57	STANDS D.P.	536224 FT.
2	SINGLES D.P.	6299 FT.
15	D.C. 2¼" I.D. 5" O.D.	43737. FT.
1	D.C. Monel I.D. O.D.	1862. FT.
2	STB. BODY O.D.	645 FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
2	SUBS XO O.D.	329 FT.
	BIT OR C.B.	FT.
	Jars	771 FT.
	KELLY DOWN	2433 FT.
	TOTAL	5923 FT.
WT. OF STRING	89 m.	LBS.

BIT RECORD

BIT NO.	3
SIZE	6¼
MFG.	Chris.
TYPE	D
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	EC12710
DEPTH OUT	
DEPTH IN	5541
TOTAL FTG.	382
TOTAL HR. RUN	62½
COND. OF BIT	Run.
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	10:00	3:00	6:00
WEIGHT	10.1	10.1	10.1
VISC.-SEC	48	47	46
W.L.-C.C.			
FLTR. CK.			
PH	12.5	12.5	12.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Lignosol	700		

DRILLER: R. Tully

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
5875				Fuel 4'6"								

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
5875								

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	12:15	¼	Rig Serv. ✓ BOPs.
12:15	12:45	½	Survey @ 5875 Well Static.
12:45	8:00	7¼	Drlg 6¼ hole. while taking survey.

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
58	STANDS D.P.	FT.
	SINGLES D.P.	FT.
15	D.C. 2¼ I.D. 5 O.D.	43237 FT.
	D.C. Monel I.D. O.D.	18.62 FT.
2	STB. BODY O.D.	6.45 FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
2	SUBS XO O.D.	3.29 FT.
	BIT OR C.B.	FT.
	Jars	7.71 FT.
	KELLY DOWN	38.97 FT.
	TOTAL	5966.10 FT.
WT. OF STRING	90m	LBS.

BIT RECORD

BIT NO.	3
SIZE	6¼
MFG.	Chris
TYPE	D
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	EC12710
DEPTH OUT	
DEPTH IN	5541
TOTAL FTG.	427'
TOTAL HR. RUN	70¼
COND. OF BIT	Run
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	9:00	12:00	3:00
WEIGHT	10.1	10.1	10.1
VISC.-SEC	46	49	49
W.L.-C.C.	6.9		6.8
FLTR. CK.	2/32		2/32
PH	12.0		12.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Protect	300#		
Diesel	44bbl		

DRILLER: D. Blaney

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
5923	5968	D			70	16	1600	5½	55	5		S
								X		X		
								14		14		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	10:30	2½	Drlg 6¼ hole
10:30	10:45	¼	Rig Service ✓ Bops ✓ Kelly cock
10:45	4:00	5¼	Drlg 6¼ hole

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
58	STANDS D.P.	5456.39 FT.
2	SINGLES D.P.	63.32 FT.
15	D.C. 2¼" I.D. 5" O.D.	437.37 FT.
	D.C. Monel I.D. O.D.	1862 FT.
2	STB. BODY O.D.	645 FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
2	SUBS XO O.D.	329 FT.
	BIT OR C.B.	FT.
	Jars	771 FT.
	KELLY DOWN	1345 FT.
	TOTAL	6007 FT.
WT. OF STRING	90m	LBS.

BIT RECORD

BIT NO.	3
SIZE	6¼
MFG.	Chris
TYPE	D
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	EC12710
DEPTH OUT	
DEPTH IN	5541
TOTAL FTG.	466
TOTAL HR. RUN	77½
COND. OF BIT	Run.
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	9:00	11:00
WEIGHT	10.2	10.3
VISC.-SEC	47	47
W.L.-C.C.		
FLTR. CK		
PH	13.0	12.5
SD. CONT. %		
PRESSURE GRADIENT		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Lignosol	1000	Diesel	44bbl
Caustic	100		
Pellets	1200		

DRILLER: Daley

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
5968	6007	D			70	16	1600	5½	55			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	4:15	¼	Rig Service ✓ Bops
4:15	10:30	6¼	Drlg 6¼ hole
10:30	11:00	½	Survey @ 6012 Well Static.
11:00	12:00	1	Drlg 6¼ hole. While Taking Survey

DAILY DRILLING REPORT

REPORT NO. 11 DATE August 4/11

OPERATOR: Mobil Oil Can LTD.

LEASE: Mobil Oil Hume River

WELL NO. L-04

FIELD OR DIST. Hume River

COUNTY NWT.

STATE Canada

CONTRACTOR: S&T DRILLING (WESTERN) CO. LTD.

RIG NO. IE

DRILL PIPE STRING NO. / SIZE

TOOL JOINT O.D. / TYPE THD.

SIGNATURE OF OPERATOR'S REPRESENTATIVE: S. Hewell

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: A. STACK

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NaT	K 380	14"
2.	NaT	K 380	14"
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
7"	Jap.	26 23.1 55	146			5282	Cemented 200 sax.

TIME DISTRIBUTION--HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	7¾	7¾	7¾
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG	¼	¼	¼
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
[illegible]KING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING STRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK	
HRS. W/DP	
HRS. WO/DP	
HRS. STANDBY	
TOTAL DAY WORK	

WIRE LINE RECORD

REEL NO.	
NO. OF LINES	SIZE
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
56	STANDS D.P.	5275.04	FT.
	SINGLES D.P.		FT.
15	D.C. I.D. O.D.	437.37	FT.
1	D.C. Monel I.D. O.D.	18.62	FT.
2	STB. BODY O.D.	6.45	FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.	3.29	FT.
2	SUBS X O.D.		FT.
	BIT OR C.B.		FT.
	Jars.	7.71	FT.
	KELLY DOWN	36.52	FT.
	TOTAL	5777	FT.
WT. OF STRING		80m	LBS.

BIT RECORD

BIT NO.	K 3	
SIZE	6¼	
MFG.	Chris.	
TYPE	D	
NOZZLE NO.		
NOZZLE SIZE		
SER. NO.	EC12710	
DEPTH OUT		
DEPTH IN	5541	
TOTAL FTG.	236	
TOTAL HR. RUN	39¾	
COND. OF BIT		
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	10⁰⁰	3⁰⁰	6⁰⁰
WEIGHT	9.9	9.9	10.0
VISC.-SEC	47	47	52
W.L.-C.C.			
FL.TR. CK.			
PH	13.0	13.0	13.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: K. Hanly

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
5721	5777	D.		Fuel. 56' 6"	70	16	1600	5½	55			
								x				
								14				

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12⁰⁰	12¹⁵	¼	Rig Serv. & BOPs.
12¹⁵	8⁰⁰	7¾	Drlg. 6¼ hole.

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
54	STANDS D.P.	5331.69	FT.
2	SINGLES D.P.		FT.
15	D.C. 2¼ I.D. 3½ O.D.	437.37	FT.
1	D.C. Monel I.D. O.D.	18.62	FT.
2	STB. BODY O.D.	6.45	FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
2	SUBS X O.D.	3.29	FT.
	BIT OR C.B.		FT.
	Jars	7.71	FT.
	KELLY DOWN	22.90	FT.
	TOTAL	5827m	FT.
WT. OF STRING		89m	LBS.

BIT RECORD

BIT NO.	3	
SIZE	6¼	
MFG.	Chris	
TYPE	D	
NOZZLE NO.		
NOZZLE SIZE		
SER. NO.	EC12710	
DEPTH OUT		
DEPTH IN	5541	
TOTAL FTG.	286'	
TOTAL HR. RUN	47¼	
COND. OF BIT	Run	
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	8⁰⁰	11⁰⁰	2⁰⁰
WEIGHT	10.0	10.1	10.1
VISC.-SEC	52	50	51
W.L.-C.C.	6.8		6.6
FL.TR. CK.	2/32		2/32
PH	12.5	12.5	12.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Deltex	100		
Caustic	100		

DRILLER: B. Hewson

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO.1 LINER SIZE	PUMP NO.1 S.P.M.	PUMP NO.2 LINER SIZE	PUMP NO.2 S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
5777	5827	D			70	16	1600	5½		5"		S
								x		x		
								14		14		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8⁰⁰	8¹⁵	¼	Rig Service & Bops.
9¹⁵	4⁰⁰	7¾	Drlg 6¼ hole
			Changed oil in Detroit 2N 379 ; Camp light plant also Rig light plants

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
57	STANDS D.P.	5362.84	FT.
	SINGLES D.P.		FT.
15	D.C. 2¼ I.D. 3½ O.D.	437.37	FT.
1	D.C. Monel I.D. O.D.	18.62	FT.
2	STB. BODY O.D.	6.45	FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
2	SUBS X O.D.	3.29	FT.
	BIT OR C.B.		FT.
	Jars	7.71	FT.
	KELLY DOWN	39.69	FT.
	TOTAL	5875	FT.
WT. OF STRING		89m	LBS.

BIT RECORD

BIT NO.	3	
SIZE	6¼	
MFG.	Chris	
TYPE	D	
NOZZLE NO.		
NOZZLE SIZE		
SER. NO.	EC12710	
DEPTH OUT		
DEPTH IN	5541	
TOTAL FTG.	334	
TOTAL HR. RUN	55¼	
COND. OF BIT	Run	
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	4⁰⁰	9⁰⁰	11⁰⁰
WEIGHT	10.1	10.1	10.1
VISC.-SEC	51	48	48
W.L.-C.C.	6.6		
FL.TR. CK	2/32		
PH	12.5	12.5	12.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: Barry & Billie

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
5827	5875	D			70	16	1600	5½	55			
								x				
								14				

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4⁰⁰	4¹⁵	¼	Rig Service & Bops
4¹⁵	12⁰⁰	7¾	Drlg 6¼ hole

DAILY DRILLING REPORT

REPORT NO. 10 DATE March 1/71

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
Mobil Oil Can LTD	Mobil Oil Hume River	L-09.	Hume River	NWT.	Canada

CONTRACTOR: S & T DRILLING (WESTERN) CO. LTD. RIG NO.: IE

DRILL PIPE STRING NO. / SIZE; TOOL JOINT O.D.; TYPE THD.

SIGNATURE OF OPERATOR'S REPRESENTATIVE: L Leamond

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: B Halcrow

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	Nat.	K 380	14"
2.	Nat.	K 380	14"
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
7"	Jap.	29 23 J 55	146			5282	Cemented. 200 SAX

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	7¼	9¾	7¼
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG	¼	¼	¼
DEVIATION SURVEY	½		½
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK				
HRS. W/DP				
HRS. WO/DP				
HRS. STANDBY				
TOTAL DAY WORK				

WIRE LINE RECORD

REEL NO.

NO. OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
54	STANDS D.P.	5078.78	FT.
2	SINGLES D.P.	67.25	FT.
15	D.C. I.D. O.D.	437.37	FT.
	D.C. Monel I.D. O.D.	18.62	FT.
2	STB. BODY O.D.	6.45	FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
2	SUBS 10 O.D.	3.29	FT.
	BIT OR C.B.		FT.
	Jars	7.71	FT.
	KELLY DOWN	15.93	FT.
	TOTAL	5630	FT.
WT. OF STRING		86 M	LBS.

BIT RECORD

BIT NO.		3.
SIZE		6¼
MFG.		Chris.
TYPE		A
NOZZLE	NO.	
	SIZE	
SER. NO.		EC12710
DEPTH OUT		
DEPTH IN		5541
TOTAL FTG.		89.
TOTAL HR. RUN		17
COND. OF BIT		Run.
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	1⁰⁰	3⁰⁰	6⁰⁰
WEIGHT	9.9	9.9	9.9
VISC.-SEC	47	46	47
W.L.-C.C.			
FL.TR. CK.			
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Lyon Cal	1000		
Unical	300		
Caustic	300		

DRILLER: R. Hurley

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
5587	5630			Fuel 5899"	80	11m.	16⁰⁰	5½				
					80			x				
					70			14"				

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	5624								

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12⁰⁰	12⁴⁵	¾	Drlg 6¼ hole. Well static
12⁴⁵	1⁰⁰	¼	Rig Servc BAP. White taking survey
1⁰⁰	6¹⁵	5¼	Drlg 6¼ hole
6¹⁵	6⁴⁵	½	Survey @ 5624
6⁴⁵	8⁰⁰	1¼	Drlg 6¼ hole.

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
55	STANDS D.P.	5124.01	FT.
	SINGLES D.P.		FT.
15	D.C. 2¼ I.D. 5 O.D.	437.37	FT.
	D.C. Monel I.D. O.D.	18.62	FT.
2	STB. BODY O.D.	6.45	FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
2	SUBS 10 O.D.	3.29	FT.
	BIT OR C.B.		FT.
	Jars	7.71	FT.
	KELLY DOWN	31.56	FT.
	TOTAL	5628.00	FT.
WT. OF STRING		82m	LBS.

BIT RECORD

BIT NO.		3
SIZE		6¼
MFG.		Chris
TYPE		A
NOZZLE	NO.	
	SIZE	
SER. NO.		EC12710
DEPTH OUT		
DEPTH IN		5541
TOTAL FTG.		137
TOTAL HR. RUN		24¾
COND. OF BIT		Run
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	9⁰⁰	12⁰⁰	3⁰⁰
WEIGHT	9.9	9.9	9.9
VISC.-SEC	46	47	48
W.L.-C.C.	9.8		9.6
FL.TR. CK.	2/32		1 2/32
PH	10.5		10.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Unical	300	Protecto DB Drispac	200
Caustic	100	Diesel	2 bbls
Supercol	600		

DRILLER: B Halcrow

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. 2		METHOD RUN SGL.-S PAR'EL-P COM'D-C
5630	5678	D			70	16	1600	5½	55	<		S
								x		x		
								14		14		

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8⁰⁰	12⁰⁰	4	Drlg 6¼ hole
12⁰⁰	12¹⁵	¼	Rig Service + Boyce; Kelly cocks
12¹⁵	4⁰⁰	3¾	Drlg 6¼ hole

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
55	STANDS D.P.	5334.64	FT.
2	SINGLES D.P.	5390.01	FT.
15	D.C. 2¼ I.D. 5 O.D.	437.37	FT.
	D.C. Monel I.D. O.D.	18.62	FT.
2	STB. BODY O.D.	6.45	FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
2	SUBS 10 O.D.	3.29	FT.
	BIT OR C.B.		FT.
	Jars	7.71	FT.
	KELLY DOWN	11.92	FT.
	TOTAL	5721	FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.		3
SIZE		6¼
MFG.		Chris
TYPE		A
NOZZLE	NO.	
	SIZE	
SER. NO.		EC12710
DEPTH OUT		
DEPTH IN		5541
TOTAL FTG.		180
TOTAL HR. RUN		32.
COND. OF BIT		Run
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	6⁰⁰	9⁰⁰	11⁰⁰
WEIGHT	9.9	9.9	9.9
VISC.-SEC	47	47	47
W.L.-C.C.	9.8		
FL.TR. CK	2/32		
PH	10.5		
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Protecto Drispac	400		
4 bbls	Diesel.		

DRILLER: Gary + Rollie

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
5678	5721	D			70	16	1600	5½		5		S
								x		x		
								14		14		

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4⁰⁰	4¹⁵	¼	Rig Service + Boyce
4¹⁵	11⁰⁰	6¾	Drlg 6¼ hole
11⁰⁰	11³⁰	½	Survey @ 5714 Well Static
11³⁰	12⁰⁰	½	Drlg 6¼ hole while taking Survey

DAILY DRILLING REPORT

REPORT NO. 12 DATE Feb 18/81

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
Mobil Oil Can LTD.	Mobil Oil Hume River	L-04	Hume River	N.W.T.	

CONTRACTOR: S & T DRILLING (WESTERN) CO. LTD. RIG NO.: IE

DRILL PIPE STRING NO. / SIZE: TOOL JOINT O.D. / TYPE THD.:

SIGNATURE OF OPERATOR'S REPRESENTATIVE: L Kismisler

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: A B Valenzo

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NOT	K 380	14"
2.	NOT	K 380	14"
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
7"	Jap.	20/23.33	146			5282	Cemented 200 sax

TIME DISTRIBUTION–HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	7¼	2½	7¾
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS		4½	
LUBRICATE RIG	¼	¼	¼
DEVIATION SURVEY	½		
TEST B.O.P.		¼	
CUT OFF DRILLING LINE		½	
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER	¼		
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK			
HRS. W/DP			
HRS. WO/DP			
HRS. STANDBY			
TOTAL DAY WORK			

WIRE LINE RECORD

REEL NO.

NO. OF LINES / SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	
53	STANDS D.P.	498468 FT.
2	SINGLES D.P.	6299 FT.
15	D.C. I.D. O.D.	43737 FT.
	D.C. Monel I.D. O.D.	1862 FT.
	STB. BODY Jars O.D.	771 FT.
2	STB. BODY O.D.	427 FT.
	RMR. BODY O.D.	FT.
2	SUBS O.D.	329 FT.
	BIT OR C.B.	FT.
		FT.
	KELLY DOWN	1404 FT.
	TOTAL	5533. FT.
	WT. OF STRING 90m.	LBS.

BIT RECORD		
BIT NO.	RR #2	
SIZE	6¼	
MFG.	Smith	
TYPE	555	
NOZZLE NO.	3	
NOZZLE SIZE	16	
SER. NO.	BW463	
DEPTH OUT		
DEPTH IN	5390	
TOTAL FTG.	143	
TOTAL HR. RUN	27¼	
COND. OF BIT	Run	
REAMER NO.		
REAMER TYPE		

MUD RECORD			
TIME	1⁶⁰	3⁰⁰	6¹⁰
WEIGHT	9.9	9.8	9.8
VISC.–SEC	47	48	46
W.L.–C.C.			
FL.TR. CK.			
PH	10.5	10.5	10.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Super Col	300		
Unical	50		

DRILLER: Rollie

FOOTAGE FROM	TO	DR.–D RM.–R CORE.–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PAR'EL–P COM'D–C
5503.	5533	D		Fuel. 6.4	48	20	1200			5"	56	
										x		
										1/4		

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12⁰⁰	12.15	¼	Rig Serv. ✓ BOPs.
12.15	6.30	6¼	Drlg. 6¼ hole.
6.30	7.00	½	Survey @ 5528 (Well static)
7.00	8⁰⁰	1	Drlg 6¼ hole
			48 sax Superf.l. Quick seal 54 sax.

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	
53	STANDS D.P.	498468 FT.
2	SINGLES D.P.	6299 FT.
15	D.C. I.D. O.D.	43737 FT.
	D.C. Monel I.D. O.D.	1862 FT.
2	STB. BODY O.D.	645 FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
2	SUBS XO O.D.	329 FT.
	BIT OR C.B.	FT.
	Jars	771 FT.
	KELLY DOWN	2387 FT.
	TOTAL	5544.00 FT.
	WT. OF STRING 86m	LBS.

BIT RECORD		
BIT NO.	RR2	3
SIZE	6¼	6¼
MFG.	Smith	Chris
TYPE	555	O
NOZZLE NO.	3	
NOZZLE SIZE	16	
SER. NO.	BW463	PC12710
DEPTH OUT	5541	
DEPTH IN	5390	5541
TOTAL FTG.	151	3
TOTAL HR. RUN	29	¾
COND. OF BIT	2-3-1	Run
REAMER NO.		
REAMER TYPE		

MUD RECORD			
TIME	900		900
WEIGHT	9.8		9.8
VISC.–SEC	45		48
W.L.–C.C.	9.8		9.4
FLTR. CK.	2/32		2/32
PH	10.0		10.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Supermul	200		
Unical	100		
Caustic	50		

DRILLER: A.B. Chris

FOOTAGE FROM	TO	DR.–D RM.–R CORE.–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PAR'EL–P COM'D–C
5533	5544	D			46	20	1200	5½		5½	65	
								x		x		
					50	14	1500	14	55	14		

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8⁰⁰	9⁰⁵	1 1/12	Drlg 6¼" hole
9⁰⁵	10⁰⁰	¼	Rig Service / Bops
10⁰⁰	12.5	2 1/12	Hoist & bit #RR2
12.5	12.30	½	Run 3 Stabilizers bit #3
12.30	1⁰⁰	½	Run in W.D.C's
1⁰⁰	1.30	½	Slip 23' drlg lines
1.30	3.15	1 11/12	Trip to bit #3
3.15	4⁰⁰	¾	Drlg 6¼" hole

Dropped one IBS Stab ; picked up NBR - 2 Stabs NBR + IBS @ 25'

No loss or gain of Drlg Fluid on trip

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	
54	STANDS D.P.	5079.34 FT.
	SINGLES D.P.	FT.
15	D.C. I.D. O.D.	437.37 FT.
	D.C. Monel I.D. O.D.	1862 FT.
	STB. BODY Jars O.D.	771 FT.
3	STB. BODY O.D.	645 FT.
	RMR. BODY O.D.	FT.
2	SUBS XO O.D.	329 FT.
	BIT OR C.B.	FT.
		FT.
	KELLY DOWN	3421 FT.
	TOTAL	5587 FT.
	WT. OF STRING 86m.	LBS.

BIT RECORD		
BIT NO.	3	
SIZE	6¼	
MFG.	Chris	
TYPE	O	
NOZZLE NO.		
NOZZLE SIZE		
SER. NO.	PC12710	
DEPTH OUT		
DEPTH IN	5541	
TOTAL FTG.	46	
TOTAL HR. RUN	9¾	
COND. OF BIT	Run	
REAMER NO.		
REAMER TYPE		

MUD RECORD			
TIME	5⁰⁰		10⁰⁰
WEIGHT	9.8		9.9
VISC.–SEC	55		48
W.L.–C.C.	9.6		
FLTR. CK	2/32		
PH	10.5		
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Supermul	250#		
Unical	200#		
Caustic	200#		

DRILLER: Dave / Rollie

FOOTAGE FROM	TO	DR.–D RM.–R CORE.–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PAR'EL–P COM'D–C
5544	5587.	D			30	14⁰⁰	1600	5½	59			
					70	16⁰⁰		x				
					80			14				

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4⁰⁰	7.45	3¾	Drlg 6¼" hole
7.45	8⁰⁰	¼	Rig Service / Bops : Kelly cocks
8⁰⁰	12⁰⁰	4	Drlg 6¼" hole

DAILY DRILLING REPORT

REPORT NO. 11 DATE FEB 27/11

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
Mobil Oil Can. LTD.	Mobil Oil Hume River	L-09	Hume River	N.W.T.	Canada

CONTRACTOR	RIG NO.	DRILL PIPE STRING NO.	DRILL PIPE STRING SIZE	TOOL JOINT O.D. TYPE THD.
S & T DRILLING (WESTERN) CO. LTD.	1E			

SIGNATURE OF OPERATOR'S REPRESENTATIVE: L Lissmuller

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: A B Galenza

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NaT	K 350	14"
2.	NaT	K 350	14"
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
7"	Tap.	20#/23.55#	146			5282	Cemented 200 sax

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	4½	7¾	7¾
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS	1¾		
LUBRICATE RIG	¼	¼	¼
DEVIATION SURVEY	½		
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER Cleaning to Bot	1		
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK			
HRS. W/DP			
HRS. WO/DP			
HRS. STANDBY			
TOTAL DAY WORK			

WIRE LINE RECORD

REEL NO.	
NO. OF LINES	SIZE
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
52	STANDS D.P.	4925.14 FT.
1	SINGLES D.P.	3138 FT.
15	D.C. 2 I.D. 4¾ O.D.	437.37 FT.
1	D.C. Monel I.D. O.D.	186.2 FT.
1	STB. BODY Jars O.D.	27.1 FT.
2	STB. BODY O.D.	52.7 FT.
	RMR. BODY O.D.	FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
		FT.
	KELLY DOWN	3403 FT.
	TOTAL	5432 FT.

WT. OF STRING 90m LBS.

BIT RECORD

BIT NO.	RR #2
SIZE	6¾
MFG.	Smith
TYPE	555
NOZZLE NO.	3
NOZZLE SIZE	16
SER. NO.	BW 463
DEPTH OUT	
DEPTH IN	5390
TOTAL FTG.	42
TOTAL HR. RUN	4½
COND. OF BIT	Run
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	3:00	4:00	6:00
WEIGHT	10.0	10.1	10.1
VISC.-SEC	40	41	48
W.L.-C.C.			
FL.TR. CK.			
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Super Col	750		
Caustic	50		
Mud Gel	100		

DRILLER B. Hanley

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
5390	5432	D		Fuch- 6'9" 7477 ext.	48	15	800	5½		5		
				Gained 15 bls/trip				x				
								14"				

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
5403.								

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
~~12:00~~			
12:00	12:15	¼	Rig Serv + BOPs
12:15	2:00	1¾	Run in w/ Bit RR #2.
2:00	3:00	1	Cleanning to Bottom From 5336 to 5390
3:00	4:30	1½	DRLG 6¾ hole.
4:30	5:00	½	Survey @ 5403.
5:00	8:00	3	DRLG 6¾ hole.

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
53	STANDS D.P.	4984.14 FT.
	SINGLES D.P.	FT.
15	D.C. 2¼ I.D. 5" O.D.	437.37 FT.
	D.C. Monel I.D. O.D.	186.2 FT.
	STB. BODY O.D.	FT.
2	STB. BODY O.D.	42.7 FT.
	RMR. BODY O.D.	FT.
	SUBS Jars O.D.	27.1 FT.
	BIT OR C.B.	FT.
Bit	& D Sub.	32.9 FT.
	KELLY DOWN	12.06 FT.
	TOTAL	5468.00 FT.

WT. OF STRING 90m LBS.

BIT RECORD

BIT NO.	RR #2
SIZE	6¼
MFG.	Smith
TYPE	555
NOZZLE NO.	3
NOZZLE SIZE	16
SER. NO.	BW463
DEPTH OUT	
DEPTH IN	5390
TOTAL FTG.	78'
TOTAL HR. RUN	12½
COND. OF BIT	Run
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	9:00	12:00	3:00
WEIGHT	10.2	10.2	10.1
VISC.-SEC	48	46	47
W.L.-C.C.			
FL.TR. CK.			
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Super Col	500#		

DRILLER D. Gilmour

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
5432	5468	D			46	17	1200	5½		5"	65	S
						20		x		x		
								14		14		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
6:00	8:15	¼	Rig Service + Boys + Kelly cock
8:15	4:00	7¾	Drlg 6¾ hole
			No 2 Pump. CHANGE HEAD RODS & LINERS (NEW) TO 5"
			CHANGE ~~Belt~~ 2. CHAINS IN #1 COMPOUND
			100 SAX Super Col.

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
53	STANDS D.P.	4984.64 FT.
1	SINGLES D.P.	31.30 FT.
15	D.C. 2¼ I.D. 5" O.D.	437.37 FT.
	D.C. Monel I.D. O.D.	186.2 FT.
	STB. BODY O.D.	42.7 FT.
2	STB. BODY O.D.	FT.
	RMR. BODY O.D.	27.1 FT.
	SUBS Jars O.D.	~~27.7~~ FT.
	BIT OR C.B.	FT.
Bit	& D Sub.	32.9 FT.
	KELLY DOWN	15.76 FT.
	TOTAL	5503 FT.

WT. OF STRING 9m LBS.

BIT RECORD

BIT NO.	RR2
SIZE	6¼
MFG.	Smith
TYPE	555
NOZZLE NO.	3
NOZZLE SIZE	16
SER. NO.	BW463
DEPTH OUT	
DEPTH IN	5390
TOTAL FTG.	113
TOTAL HR. RUN	20
COND. OF BIT	Run
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME		9:00	11:00
WEIGHT		10.0	9.9
VISC.-SEC		46	47
W.L.-C.C.			
FL.TR. CK			
PH			10.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER Davis + Bell

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
5468	5503	D			46	20	1200	5½		5"	56	
								x		x		
								14		14		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	4:15	¼	Rig Service + Boys
4:15	12:00	7¾	Drlg 6¼ hole
			WT. Material 49 sax

DAILY DRILLING REPORT

REPORT NO. 12 DATE FEB 26-71

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
Mobil Oil Can. LTD.	Mobil Oil Hume River	2-09	Hume River	N.W.T.	CANADA

CONTRACTOR: S & T DRILLING (WESTERN) CO. LTD. RIG NO. 1F

DRILL PIPE STRING: NO. 2, SIZE 4" — TOOL JOINT O.D. 5" — TYPE THD. 3½ IF

SIGNATURE OF OPERATOR'S REPRESENTATIVE: L Simmilu

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: M Hedley

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NAT	K-380	14"
2.	NAT	K-380	14"
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
7"	JAP	29/23 J-55	146			5282'	Cemented w/ 200 sax

TIME DISTRIBUTION–HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL			
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS		4	
LUBRICATE RIG			
DEVIATION SURVEY			
TEST B.O.P.		½	
CUT OFF DRILLING LINE			
REPAIR RIG			
CORING		3½	
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK	
HRS. W/DP	
HRS. WO/DP	
HRS. STANDBY	
TOTAL DAY WORK	

WIRE LINE RECORD

REEL NO.	
NO. OF LINES	SIZE
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
53	STANDS D.P.	4982.86	FT.
	SINGLES D.P.		FT.
11	D.C. 2 I.D. 3" O.D.	314.93	FT.
1	D.C. Monel I.D. O.D.	18.62	FT.
1	STB. Jars BODY O.D.	7.71	FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
	SUBS O.D.		FT.
1	BIT OR C.B.	32.25	FT.
			FT.
	KELLY DOWN	16.63	FT.
	TOTAL	5373.	FT.

WT. OF STRING 87M LBS.

BIT RECORD

BIT NO.	2	1C
SIZE	6¼	6 3/16
MFG.	Smith	Chris
TYPE	555	D
NOZZLE NO.	3-16	
NOZZLE SIZE		
SER. NO.	BW463	71240
DEPTH OUT	5373	
DEPTH IN	5368	5373
TOTAL FTG.	5	
TOTAL HR. RUN	1	
COND. OF BIT	1-1-1	
REAMER NO.	Pulled to Core	
REAMER TYPE		

MUD RECORD

TIME			7:30
WEIGHT	R		
VISC.-SEC	I		
W.L.-C.C.	G		
FL.TR. CK.			
PH			
SD. CONT. %	W		
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: Ron Snell

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
5373		C	1	Fuel 7.6" 8 MM 8,045 gallons				5½				S
								x				
								14				

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
			20ST 4" bowl Whilecast F Hole
12:00	12:15	¼	UNLOAD WT. MATERIAL OFF PLANE
12:15	2:30	2¼	FINISH TRIPPING TO PICK UP CORE BBL.
2:30	2:45	¼	SER. RIG & BOPs
2:45			PICK UP & MAKE UP CORE BBL. & SERVICE BEARING RUN TOP OF INNER
	4:45	2	BBL. ON BOTTOM 30'
4:45	7:00	2¼	RUN IN W/CORE BBL. W/ EVERT HYDROMATIC (SLOW)
7:00	8:00	1	CIRC. TO CUT CORE #1
			129 SAX WT. & 42 SAX SUPER CAL

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
53	STANDS D.P.	4982.86	FT.
	SINGLES D.P.		FT.
11	D.C. 2 I.D. 4 3/4 O.D.	314.93	FT.
1	D.C. Monel I.D. O.D.	18.62	FT.
1	STB. Jars BODY O.D.	7.71	FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
	SUBS O.D.		FT.
1	BIT OR C.B.	32.25	FT.
			FT.
	KELLY DOWN	16.63	FT.
	TOTAL	5373.	FT.

WT. OF STRING 87M LBS.

BIT RECORD

BIT NO.	2	1C
SIZE	6¼	6 3/16
MFG.	Smith	Chris
TYPE	555	D
NOZZLE NO.	3-16	
NOZZLE SIZE		
SER. NO.	BW463	71240
DEPTH OUT	5373	
DEPTH IN	5368	5373
TOTAL FTG.	5	11
TOTAL HR. RUN	1	7½
COND. OF BIT	1-1-1	Run
REAMER NO.	Pulled to Core	
REAMER TYPE		

MUD RECORD

TIME	9:00	11:00	2:00
WEIGHT	10.4	10.3	10.4
VISC.-SEC	41	46	46
W.L.-C.C.			
FL.TR. CK.	9.8		
PH	10.0	10.0	10.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Super Cal 600			
Kwik Seal 120			

DRILLER: R Hedley

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
5373	5384	C			73	13	850	5½	36			
								x				
								14				

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	8:15	¼	Rig Serv. & BOPs.
8:15	8:30	¼	Circ To Cut Core #1 & drop ball.
8:30			Cut Core #1
			32 sax wt. + 37 Sup. Cal

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
53	STANDS D.P.	4982.86	FT.
	SINGLES D.P.		FT.
11	D.C. I.D. O.D.	314.93	FT.
1	D.C. Monel I.D. O.D.	18.62	FT.
1	STB. Jars BODY O.D.	7.71	FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
	SUBS O.D.		FT.
1	BIT OR C.B.	3225	FT.
			FT.
	KELLY DOWN	3763	FT.
	TOTAL	5390	FT.

WT. OF STRING 88M LBS.

BIT RECORD

BIT NO.	1C	
SIZE	6 3/16	
MFG.	Chris	
TYPE	D	
NOZZLE NO.		
NOZZLE SIZE		
SER. NO.	71240	
DEPTH OUT	5390	
DEPTH IN	5373	
TOTAL FTG.	17	
TOTAL HR. RUN	14	
COND. OF BIT	Good	
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	6:00		
WEIGHT	10.4		
VISC.-SEC	48		
W.L.-C.C.			
FL.TR. CK			
PH	10.0		
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: Long

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
5384	5390	C		Recovered 17' core	73	13	1000	5½	36			
								x				
								14				

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	7:00	3	Cut Core #1
7:00	10:00	3	Trip out to Recover Core #1
10:00	10:45	¾	Recovered core & Handle Pulled Layed down Same
10:45	11:00	¼	Clean
11:00	12:00	1	Run In w/Bit #RR2-6 1/8 555 #BW463

DAILY DRILLING REPORT

REPORT NO. 14 DATE FEB 23-11

OPERATOR: Mobil Oil Can LT U

LEASE: Mobil Oil Hume River

WELL NO. 2-09 | FIELD OR DIST. Hume River | COUNTY N W T | STATE CANADA

CONTRACTOR: S & T DRILLING (WESTERN) CO. LTD. | RIG NO. 1E

DRILL PIPE STRING: NO. 2 SIZE 4½ | TOOL JOINT 5" O.D. TYPE THD 3½ IF

SIGNATURE OF OPERATOR'S REPRESENTATIVE: L Lismiller

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: L Blakeye

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NAT	K-380	14"
2.	NAT	K-380	14"
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
7"	TAP	20# J55	144		12.00	5282	Cemented w/ 200 cu

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL			
REAMING			
CONDITIONING MUD & CIRCULATING	7¾	8	5¼
TRIPS			2½
LUBRICATE RIG	¼		¼
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
[illegible]RING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK			
HRS. W/DP			
HRS. WO/DP			
HRS. STANDBY			
TOTAL DAY WORK			

WIRE LINE RECORD

REEL NO.

NO. OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
53	STANDS D.P.	4982.93	FT.
1	SINGLES D.P.	31.40	FT.
11	D.C. 2 I.D. 4¾ O.D.	314.93	FT.
1	D.C. monel I.D. O.D.	18.62	FT.
1	STB. BODY O.D.	2.67	FT.
1	STB. BODY O.D. JAR	7.71	FT.
1	RMR. BODY O.D. BOP	1.85	FT.
2	SUBS O.D.	3.29	FT.
	BIT OR C.B.		FT.
			FT.
	KELLY DOWN	9.60	FT.
	TOTAL	5373.00	FT.

WT. OF STRING 89M LBS.

BIT RECORD

BIT NO.	2
SIZE	6¼
MFG.	Smith
TYPE	555
NOZZLE NO.	3
NOZZLE SIZE	3/16
SER. NO.	DW 463
DEPTH OUT	
DEPTH IN	5368
TOTAL FTG.	5
TOTAL HR. RUN	1
COND. OF BIT	Run
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	12.00	8.00	6.00
WEIGHT	9.9	9.7	9.7
VISC.–SEC	43	47	45
W.L.–C.C.			
FLTR. CK.			
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
KwikSeal	200#		
SuperCol	500#		

DRILLER Ron Savill

FOOTAGE

FROM	TO	DR–D RM–R CORE–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL–S PAR'EL–P COM'D–C
5373		D		Fuel 7'10".	20		700	5½ x 14	44			C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1200	1215	¼	Ser Rig & BOP
1215	800	7¾	Circ Cond Mud wait on Weight Material
			Note WELL Flowing when pump shut off

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
53	STANDS D.P.	4982.93	FT.
1	SINGLES D.P.	31.40	FT.
11	D.C. 2 x 4¾ I.D. O.D.	314.93	FT.
1	D.C. monel I.D. O.D.	18.62	FT.
1	STB. BODY O.D. STAB	2.67	FT.
1	STB. BODY O.D. JARS	7.71	FT.
	RMR. BODY O.D.		FT.
2	SUBS O.D.	3.29	FT.
1	BOP sure BIT OR C.B.	1.85	FT.
			FT.
	KELLY DOWN		FT.
	TOTAL		FT.

WT. OF STRING LBS.

BIT RECORD

BIT NO.	2
SIZE	6¼
MFG.	Smith
TYPE	SS-5
NOZZLE NO.	3-16
NOZZLE SIZE	
SER. NO.	DW463
DEPTH OUT	
DEPTH IN	5368
TOTAL FTG.	5
TOTAL HR. RUN	1
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	6.00	8.00	11.00
WEIGHT	10.4	10.4	10.6
VISC.–SEC	45	47	45
W.L.–C.C.			
FLTR. CK			
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER Ron Savill

FOOTAGE

FROM	TO	DR–D RM–R CORE–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL–S PAR'EL–P COM'D–C
5373							700	5½ x 14	44			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4	4.15	¼	Rig Serv.
4.15	7.15	3	Circ & Mix Weight Material to kill well.
7.15	8.45	1½	Trip out Rebuild Dummy trip & Run in
8.45	11.00	2¼	Circ Cond mud To Pick up Core BBL.
11.00	12.00	1	Trip out of Hole To Pick up Core BBL.
			50 Bbl Wt material By Plane

Received Feb. 24, 30 Bags Super Col
140 Sax of Mix-Bar Brought in w/ 2 Planes

DAILY DRILLING REPORT

REPORT NO. 11 DATE Feb-24-11

OPERATOR: Mobil Oil Can. LTD

CONTRACTOR: S & T DRILLING (WESTERN) CO. LTD. RIG NO. 1E

LEASE: Mobil Oil Hume River WELL NO. K-09 FIELD OR DIST. Hume River COUNTY N.W.T STATE CANADA

DRILL PIPE STRING: NO. 2 SIZE 4" TOOL JOINT 5" O.D. TYPE THD 3½ IF

SIGNATURE OF OPERATOR'S REPRESENTATIVE: L Lissimore

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: B Valencia

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NAT	K-380	14"
2.	NAT.	K-380	14"
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
7"	JAP	23# J55	146			5282	CEMENTED W/ 200 SKS

TIME DISTRIBUTION–HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL			1
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS		1¼	
LUBRICATE RIG			
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
SLIPPING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER	8	5	
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
HOURS	8	8	

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK	
HRS. W/DP	
HRS. WO/DP	
HRS. STANDBY	
TOTAL DAY WORK	

WIRE LINE RECORD

REEL NO.	
NO. OF LINES	SIZE
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
	STANDS D.P.	FT.
	SINGLES D.P.	FT.
	D.C. I.D. O.D.	FT.
	D.C. I.D. O.D.	FT.
	STB. BODY O.D.	FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
		FT.
	KELLY DOWN	FT.
	TOTAL	FT.
WT. OF STRING		LBS.

BIT RECORD

BIT NO.	#2
SIZE	6¼
MFG.	Smith
TYPE	555
NOZZLE NO.	3
NOZZLE SIZE	3/16
SER. NO.	RW463
DEPTH OUT	
DEPTH IN	5368
TOTAL FTG.	
TOTAL HR. RUN	
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	
WEIGHT	
VISC.–SEC	
W.L.–C.C.	
FLTR. CK.	
PH	
SD. CONT. %	
PRESSURE GRADIENT	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Superco	400#		

DRILLER Ron Snell

FOOTAGE

FROM	TO	DR.–D RM.–R CORE.–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PAR'EL–P COM'D–C
5368		R		Fuel- 9' 8 A.M.								

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12⁰⁰	12³⁰	½	BLEED OFF PRESSURE & STEAM OUT KELLY TO CIRC.
12³⁰	1⁰⁰	½	CIRC THROUGH DRILLPIPE & MANIFOLD choke TO TANKS
1⁰⁰	1⁴⁵	¾	Pumped 50 BBLs DOWN ANNULUS W/ BJ
1⁴⁵	4⁰⁰	2¼	BLEED OFF Well Through choke TO TANK.
4⁰⁰	5³⁰	1½	Pumped down 140 BBLs Through ANNULUS W/ BJ TO KILL well
5³⁰	8⁰⁰	2½	BLEED OFF PRESSURE

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
53	STANDS D.P.	4982.93 FT.
	SINGLES D.P.	31.40 FT.
11	D.C. I.D. O.D.	314.93 FT.
1	D.C. Monel I.D. O.D.	18.62 FT.
1	STB. BODY O.D.	2.67 FT.
1	STB. BODY O.D.	7.71 FT.
1	RMR. BODY O.D.	1.85 FT.
2	SUBS O.D.	3.29 FT.
	BIT OR C.B.	FT.
		FT.
	KELLY DOWN	9.60 FT.
	TOTAL	5373.00 FT.
WT. OF STRING	89M	LBS.

BIT RECORD

BIT NO.	#2
SIZE	6¼
MFG.	Smith
TYPE	555
NOZZLE NO.	3
NOZZLE SIZE	3/16
SER. NO.	RW463
DEPTH OUT	
DEPTH IN	5368
TOTAL FTG.	5
TOTAL HR. RUN	1
COND. OF BIT	RUN
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	9⁰⁰	12⁰⁰	3⁰⁰
WEIGHT	9.7	9.5	9.5
VISC.–SEC	40	40	50
W.L.–C.C.	7°6"		
FLTR. CK.			
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
~~Mil-Bar 700~~			
~~EnviroCol 1266#~~ Caustic			
~~Hercol 100#~~			

DRILLER Ron Snell

FOOTAGE

FROM	TO	DR.–D RM.–R CORE.–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PAR'EL–P COM'D–C
5368												

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8⁰⁰	10.45	2¾	Bleed off Pressure.
10.45	12.00	1¼	Finished Running In.
12⁰⁰	12.30	½	Break Circ.
12.30	1.30	1	Pump through Drillpipe & Manifold. choke To Tanks
1.30	2.30	1	Open Hydril & Circ. & Cond Mud.
2.30	4⁰⁰	1½	Cleaning to Bottom From: 53.00 to 5365.

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
53	STANDS D.P.	4982.93 FT.
1	SINGLES D.P.	31.40 FT.
11	D.C. I.D. O.D.	314.93 FT.
1	D.C. Monel I.D. O.D.	18.62 FT.
1	STB. BODY O.D.	2.67 FT.
1	STB. BODY O.D.	7.71 FT.
1	RMR. BODY O.D.	1.85 FT.
2	SUBS O.D.	3.29 FT.
	BIT OR C.B.	FT.
		FT.
	KELLY DOWN	9.60 FT.
	TOTAL	5373.00 FT.
WT. OF STRING	89M	LBS.

BIT RECORD

BIT NO.	2
SIZE	6¼
MFG.	Smith
TYPE	555
NOZZLE NO.	3
NOZZLE SIZE	3/16
SER. NO.	RW463
DEPTH OUT	
DEPTH IN	5368
TOTAL FTG.	5
TOTAL HR. RUN	1
COND. OF BIT	RUN
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	6⁰⁰	9⁰⁰	12⁰⁰
WEIGHT	9.8	9.8	9
VISC.–SEC	47	45	39
W.L.–C.C.			
FLTR. CK			
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
~~Mil-Bar 700~~			
~~EnviroCol 1266#~~ Caustic			
~~Hercol 100#~~			

DRILLER Ron Snell

FOOTAGE

FROM	TO	DR.–D RM.–R CORE.–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO.1 LINER SIZE	PUMP NO.1 S.P.M.	PUMP NO.2 LINER SIZE	PUMP NO.2 S.P.M.	METHOD RUN SGL.–S PAR'EL–P COM'D–C
5368	5373				45	15	700	5½	44			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4⁰⁰	4.15	¼	Rig Servi.
4.15	4.45	½	Work pipe & Check For Bog kick
4.45	5.30	¾	Drlg. 6¼ hole.
5.30	5.45	¼	Check For Mag kick
5.45	6.00	¼	Drlg 6¼ hole.
6.00	8⁰⁰	2	Closed Hydril & Circ. to Adjustable Choke
8⁰⁰	12⁰⁰	4	Open Hydril & Circ gas Cut Mud.

DAILY DRILLING REPORT

REPORT NO. 10 DATE FEB. 25-77

OPERATOR: Mobil Oil Can. LTD.

LEASE: Mobil Oil Hume River

WELL NO. K-09 FIELD OR DIST. Hume River COUNTY N.W.T. STATE CANADA

CONTRACTOR: S & T DRILLING (WESTERN) CO. LTD. RIG NO. 1E

DRILL PIPE STRING NO. 2 SIZE 4" TOOL JOINT 5" O.D. TYPE THD. 3½ IF

SIGNATURE OF OPERATOR'S REPRESENTATIVE: L Lesmeister

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: R Blakey

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NAT	K-386	14"
2.	NAT	K-380	14"
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
7"	SAP.	20/23 J-55	146			5282	Cemented w/ 200 SAX.

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL			
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG			
DEVIATION SURVEY			
TEST B.O.P.	✓		
CUT OFF DRILLING LINE			
REPAIR RIG	1½		
[illegible]ING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK			
HRS. W/DP			
HRS. WO/DP			
HRS. STANDBY			
TOTAL DAY WORK			

WIRE LINE RECORD

REEL NO.

NO. OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		FT.
	STANDS D.P.	
	SINGLES D.P.	
	D.C. I.D. O.D.	
	D.C. I.D. O.D.	
	STB. BODY O.D.	
	STB. BODY O.D.	
	RMR. BODY O.D.	
	SUBS O.D.	
	BIT OR C.B.	
	KELLY DOWN	
	TOTAL	
WT. OF STRING		LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HR. RUN	
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	
WEIGHT	10.4
VISC.-SEC	
W.L.-C.C.	
FLTR. CK.	
PH	
SD. CONT. %	
PRESSURE GRADIENT	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Super Col	200#	KWIK SEAL	200
CAUSTIC	100#		
UNI CAL	200#		

DRILLER Ron Small

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
5368		D										

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12.00	1.30	1½	Cond Mud & Mix WT. MATERIAL
1.30	3.00	1½	Repair B.O.P. MANIFOLD
3.00			Pumping Down mud w/ BJ CEMENTER To Try & Kill
	4.45	1 3/4	well w/ 200 BBLS
4.45	8.00	3 1/4	Shut in B.O.P. & Mixing Mud.

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		FT.
	STANDS D.P.	
	SINGLES D.P.	
	D.C. I.D. O.D.	
	D.C. I.D. O.D.	
	STB. BODY O.D.	
	STB. BODY O.D.	
	RMR. BODY O.D.	
	SUBS O.D.	
	BIT OR C.B.	
	KELLY DOWN	
	TOTAL	
WT. OF STRING		LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HR. RUN	
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	
WEIGHT	
VISC.-SEC	
W.L.-C.C.	
FLTR. CK.	
PH	
SD. CONT. %	
PRESSURE GRADIENT	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Super Col	1500		
Caustic	50		
Lignite	25000		

DRILLER R. Hanley

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
5364												

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8.00	11.00	3	Con Mud. Mix W.T. Material.
11.00	11.30	½	Pumping mud w/ BJ Cementer to try & Kill well
11.30	12.00	½	Bleed off Line to Sump.
12.00	12.30	½	Pump. 10 BBLs. w/ BJ Cementer.
12.30	1.30	1	Bleed off Line to sump.
130.	4.00	2½	Con. Mud Mix W.T. Material & Pump some down the h

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		FT.
	STANDS D.P.	
	SINGLES D.P.	
	D.C. I.D. O.D.	
	D.C. I.D. O.D.	
	STB. BODY O.D.	
	STB. BODY O.D.	
	RMR. BODY O.D.	
	SUBS O.D.	
	BIT OR C.B.	
	KELLY DOWN	
	TOTAL	
WT. OF STRING		LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HR. RUN	
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	9.00
WEIGHT	
VISC.-SEC	
W.L.-C.C.	
FLTR. CK	
PH	
SD. CONT. %	
PRESSURE GRADIENT	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
2000# WT. MATERIAL			
500# Super Col			
100# UNICAL			

DRILLER Ron Small

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
5368												

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4.00	5.00	1	Pump 12 BBLs. w/ BJ Cementer
5.00	6.30	1½	Bleed off Line to Sump.
6.30	7.15	¾	Pump 10 BBLs. w/ BJ Cementer
7.15	9.30	2¼	Cond Mud & Bleed off Line to Sump
9.30	10.30	1	Pump down 50 BBLs down Annulus
10.30	11.00	½	Bleed off Pressure
11.00	11.45	¾	Run in D.C. & Pipe To 850'
11.45	12.00	¼	Bleed off Pressure & Pick up Kelly To Circ

DAILY DRILLING REPORT

REPORT NO. 01 DATE FEB 22- 11

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
Mobil Oil Can. LTD.	Mobil Oil Hume River	1-89	Hume River	N.W.T.	CANADA

CONTRACTOR: S & T DRILLING (WESTERN) CO. LTD. — RIG NO. 1E

DRILL PIPE STRING: NO. 2, SIZE 4½" — TOOL JOINT O.D. 5" — TYPE THD 3½ IF

SIGNATURE OF OPERATOR'S REPRESENTATIVE: L Lemieux

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: M Belanger

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NSCO.	K-380	14"
2.	NSCO	K-380	14"
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
7"	JAP	0923	146			5282	Cemented W/200 SAX

TIME DISTRIBUTION–HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	7¼	5½	
REAMING			
CONDITIONING MUD & CIRCULATING	3¼	½	
TRIPS		2	¼
LUBRICATE RIG			
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
SLIPPING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER Killing Blowout			7¼
FISHING Loosing Plane			½
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
HRS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK			
HRS. W/DP			
HRS. WO/DP			
HRS. STANDBY			
TOTAL DAY WORK			

WIRE LINE RECORD

REEL NO.

NO. OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
53	STANDS D.P.	4982.93	FT.
	SINGLES D.P.		FT.
11	D.C. I.D. 2 13/16 O.D. 4¼	344.93	FT.
1	D.C. Monel I.D. O.D.	18.62	FT.
1	STB. BODY O.D.	7.71	FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
2	SUBS O.D.	3.29	FT.
	BIT OR C.B.		FT.
		5327.48	FT.
	KELLY DOWN	19.52	FT.
	TOTAL	5347.00	FT.
WT. OF STRING	85M		LBS.

SIT RECORD

BIT NO.	19	
SIZE	6¼	
MFG.	SMITH	
TYPE	V2J	
NOZZLE NO.	3-20	
NOZZLE SIZE		
SER. NO.	DW664	
DEPTH OUT		
DEPTH IN	5296	
TOTAL FTG.	51'	
TOTAL HR. RUN	10	
COND. OF BIT	RUN	
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	1⁰⁰	3⁰⁰	8⁰⁰
WEIGHT	9.4	9.4	9.4
VISC.–SEC	45	46	50
W.L.–C.C.			
FLTR. CK.			
PH	10.5	10.5	
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Super Ck	1200	Kwik Seal	480
Caustic	200		
Mi Cal	200		

DRILLER Ron Savell

FOOTAGE

FROM	TO	DR.–D RM.–R CORE–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	METHOD RUN SGL.–S PAR'EL–P COM'D–C
5312'	5347	D		Fuel 4' 1" – 7 AM	65	15	1250	5½	70	5½		
					65	15	900	X	60	X		
					65	15	600	14	50	14		

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12⁰⁰	5³⁰	5½	Drlg 6¼ hole.
5³⁰	5⁴⁵	¼	Pull up into Casing Lost Circulation Lost 80 BBLs @ 5332
5⁴⁵	6⁰⁰	¼	DRLG. Cut Pump Back To 60 strokes Lost 20 BBLs.
6⁰⁰	6³⁰	½	Mixing Lost Cir MATERIAL
6³⁰	8⁰⁰	1½	DRLG w/ 50 pump Strokes @ 600 PSI
			Lost 125 BBL. MUD.

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
53	STANDS D.P.	4982.93	FT.
	SINGLES D.P.		FT.
11	D.C. I.D. O.D.	314.93	FT.
1	D.C. Monel I.D. O.D.	18.62	FT.
1	STB. Jap BODY O.D.	7.71	FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
2	SUBS O.D.	3.29	FT.
	BIT OR C.B.		FT.
		5327.48	FT.
	KELLY DOWN	19.52	FT.
	TOTAL	5347.00	FT.
WT. OF STRING	85M		LBS.

BIT RECORD

BIT NO.	1A.	2
SIZE	6¼	6¼
MFG.	Smith	SMITH
TYPE	V2J	555
NOZZLE NO.	3/20	3
NOZZLE SIZE		16
SER. NO.	DW664	BW460
DEPTH OUT	5368	
DEPTH IN	5296	5368
TOTAL FTG.	72	
TOTAL HR. RUN	15½	
COND. OF BIT	2-3-1	
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME			
WEIGHT			
VISC.–SEC			
W.L.–C.C.			
FLTR. CK.			
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Super Ck	1600		

DRILLER R. Hanley

FOOTAGE

FROM	TO	DR.–D RM.–R CORE–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	METHOD RUN SGL.–S PAR'EL–P COM'D–C
5947	5368	D.			65.	15	800	5½	50			
								X				
								14				

DEVIATION RECORD	DEPTH 5347	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8⁰⁰	1.30	5½	Drlg. 6¼ hole.
1.30	2.00	½	Circ. samples.
2⁰⁰	4⁰⁰	2	Trip out For Bit

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
53	STANDS D.P.	4982.93	FT.
	SINGLES D.P.		FT.
	D.C. I.D. O.D.		FT.
	D.C. I.D. O.D.		FT.
	STB. BODY O.D.		FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
	SUBS O.D.		FT.
	BIT OR C.B.		FT.
			FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.	2	
SIZE	6¼	
MFG.	Smith	
TYPE	555	
NOZZLE NO.	3	
NOZZLE SIZE	16	
SER. NO.	BW460	
DEPTH OUT		
DEPTH IN		
TOTAL FTG.		
TOTAL HR. RUN		
COND. OF BIT		
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME			
WEIGHT			
VISC.–SEC			
W.L.–C.C.			
FLTR. CK			
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
WT MAT.	18000#		
Kwik Seal	240#		

DRILLER

FOOTAGE

FROM	TO	DR.–D RM.–R CORE–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PAR'EL–P COM'D–C

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4⁰⁰	4.30	½	Loaded Dyna Drill in Plane
4.30	4.45	¼	Finished Trip out
4.45			Well Blow out. mixing Oil Material Hooked up
			Bled off line to Sump. & Pumped down 200 BBL
	12⁰⁰	7¼	Water to try & kill Well

DAILY DRILLING REPORT

REPORT NO. 68 DATE FEB 21- 11

OPERATOR: Mobil Oil Canada LTD
LEASE: Mobil Oil Hume River
WELL NO. 2-09
FIELD OR DIST. Hume River
COUNTY N.W.T Canada
STATE
CONTRACTOR: S & T DRILLING (WESTERN) CO. LTD.
RIG NO. 1E
DRILL PIPE STRING: NO. 2 SIZE 4"
TOOL JOINT O.D. 5" TYPE THD 3½ IF
SIGNATURE OF OPERATOR'S REPRESENTATIVE: L Kiamilev
SIGNATURE OF CONTRACTOR'S TOOL PUSHER: M Bolenga

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NAT.	K-380	14"
2.	NAT.	K-380	14"
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
7"		23/26	146				Cemented w/200 SAX

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL			23¾
REAMING			
CONDITIONING MUD & CIRCULATING			2
TRIPS			
LUBRICATE RIG		¼	¼
DEVIATION SURVEY			
TEST B.O.P.			1
CUT OFF DRILLING LINE			
REPAIR RIG			
SLIPPING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT	8		
DRILL STEM TEST			
OTHER		7¾	¾
FISHING Dust Boot			1¼
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK	
HRS. W/DP	
HRS. WO/DP	
HRS. STANDBY	
TOTAL DAY WORK	

WIRE LINE RECORD

REEL NO.	
NO. OF LINES	SIZE
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
48	STANDS D.P.		FT.
2	SINGLES D.P.	483.605	FT.
11	D.C. I.D. O.D.	314.93	FT.
	D.C. I.D. O.D.		FT.
	STB. BODY O.D.		FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
	SUBS O.D.		FT.
	BIT OR C.B.		FT.
			FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD: BIT NO. | SIZE | MFG. | TYPE | NOZZLE NO. | NOZZLE SIZE | SER. NO. | DEPTH OUT | DEPTH IN | TOTAL FTG. | TOTAL HR. RUN | COND. OF BIT | REAMER NO. | REAMER TYPE

MUD RECORD: TIME | WEIGHT | VISC.-SEC | W.L.-C.C. | FLTR. CK. | PH | SD. CONT. % | PRESSURE GRADIENT
MUD & CHEMICALS ADDED: TYPE | AMT. | TYPE | AMT.
DRILLER Ron Savill

FOOTAGE: FROM | TO | DR.-D RM.-R CORE-C | CORE NO. | FORMATION (SHOW CORE RECOVERY) | ROTARY RPM | WT. ON BIT 1000# | PUMP PRESS | PUMP NO. LINER SIZE | PUMP NO. S.P.M. | PUMP NO. LINER SIZE | PUMP NO. S.P.M. | METHOD RUN SGL.-S PAR'EL-P COM'D-C

DEVIATION RECORD: DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION

TIME LOG: FROM | TO | ELAPSED TIME | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	8:00	8	W.O.C - Finish Heading up. Laydown 6¼ Collars. Pressure test Blind Rams @ 1250# Held Okay

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
49	STANDS D.P.	485.605	FT.
2	SINGLES D.P.		FT.
11	D.C. I.D. O.D.	314.93	FT.
1	D.C. Monel I.D. O.D.	18.62	FT.
1	STB. BODY O.D.	7.71	FT.
2	STB. BODY O.D.	3.29	FT.
	RMR. BODY O.D.		FT.
	SUBS O.D.		FT.
	BIT OR C.B.		FT.
			FT.
	KELLY DOWN	35.00	FT.
	TOTAL	52.356	FT.
WT. OF STRING		81 M.	LBS.

BIT RECORD: BIT NO. 19 | SIZE 6¼ | MFG. Smith | TYPE V2J | NOZZLE NO. 3 | NOZZLE SIZE 20 | SER. NO. DW664 | DEPTH OUT | DEPTH IN | TOTAL FTG. | TOTAL HR. RUN | COND. OF BIT | REAMER NO. | REAMER TYPE

MUD RECORD: TIME | WEIGHT | VISC.-SEC | W.L.-C.C. | FLTR. CK. | PH | SD. CONT. % | PRESSURE GRADIENT
MUD & CHEMICALS ADDED: TYPE | AMT. | TYPE | AMT.
Bi-Carb Soda 300
DRILLER

FOOTAGE: FROM | TO | DR.-D RM.-R CORE-C | CORE NO. | FORMATION (SHOW CORE RECOVERY) | ROTARY RPM | WT. ON BIT 1000# | PUMP PRESS | PUMP NO. LINER SIZE | PUMP NO. S.P.M. | PUMP NO. LINER SIZE | PUMP NO. S.P.M. | METHOD RUN SGL.-S PAR'EL-P COM'D-C

DEVIATION RECORD: DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION

TIME LOG: FROM | TO | ELAPSED TIME | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
800	815	¼	Rig SERV
815	400	~~400~~ 7¾	PICK 4¾ DRILL COLLARS & RUN IN LAYING DOWN ALL BENT DRILL PIPE ~~Tag Bottom~~ @

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
52	STANDS D.P.		FT.
2	SINGLES D.P.	495.128	FT.
11	D.C. I.D. O.D.	314.93	FT.
1	D.C. Monel I.D. O.D.	18.62	FT.
1	STB. ~~TIRES~~ BODY O.D.	7.71	FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
2	SUBS O.D.	3.29	FT.
	BIT OR C.B.		FT.
			FT.
	KELLY DOWN	1617	FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD: BIT NO. 19 | SIZE 6¼ | MFG. Smith | TYPE V2J | NOZZLE NO. 3 | NOZZLE SIZE 20 | SER. NO. DW664 | DEPTH OUT | DEPTH IN 5296 | TOTAL FTG. 12 | TOTAL HR. RUN 2¾ | COND. OF BIT Run | REAMER NO. | REAMER TYPE

MUD RECORD

		10:00	12:00
TIME			
WEIGHT		9.4	9.4
VISC.-SEC		40	41
W.L.-C.C.			
FLTR. CK		2/32	
PH		10.5	
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED: TYPE | AMT. | TYPE | AMT.
Super Coll
DRILLER Ron Savill

FOOTAGE: FROM 5296 | TO 5312 | DR.-D RM.-R CORE-C ⓒ | CORE NO. | FORMATION (SHOW CORE RECOVERY) | ROTARY RPM 50/65 | WT. ON BIT 1000# 9/15 | PUMP PRESS 1250 | PUMP NO. 2 LINER SIZE 5½ | PUMP NO. 2 S.P.M. 70 | PUMP NO. LINER SIZE | PUMP NO. S.P.M. | METHOD RUN SGL.-S PAR'EL-P COM'D-C

DEVIATION RECORD: DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION

TIME LOG: FROM | TO | ELAPSED TIME | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
400			FINISH RUNNING IN Tag Bottom
	445	¾	@ 5233.
445	500	¼	BREAK CIRC
500			PRESS ~~Blind~~ 4" PIPE RAMS & HYDRIL 1000
	545	¾	HELD OK.
545	600	¼	PRESS KELLY COCK TO 1000 PSI HELD OK
600	745	1¾	CIRC CONDITION MUD 900 9.5 15 2¾ See Rig
745	900	1¼	DRLG OUT FLOAT - Shoe @ 5282 - 9.5 15 2¾ Drlg 6¼ hole

KODAK SAFETY FILM

DAILY DRILLING REPORT

REPORT NO. 101 DATE FEB 20-11

OPERATOR: Mobil Oil Can. LTD

LEASE: Mobil Oil Hume River

WELL NO. L-09 | FIELD OR DIST. Hume River | COUNTY W.W.T | STATE CANADA

CONTRACTOR: S & T DRILLING (WESTERN) CO. LTD. | RIG NO. 1E

DRILL PIPE STRING: NO. 2 SIZE 4½" | TOOL JOINT 5" O.D. TYPE THD. 3½IF

SIGNATURE OF OPERATOR'S REPRESENTATIVE: L Lemieux

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: A B Galea

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.			
2.			
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9⅝	Tap	36# J55	21	774	1200	750	Cemented To Surface
7"		29#-	146				Cemented w/200 SAX

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL			
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG			
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
SLIP & CUT DRILLING LINE			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING	8	6	
WAITING ON CEMENT		2	8
DRILL STEM TEST			
OTHER			
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK			
HRS. W/DP			
HRS. WO/DP			
HRS. STANDBY			
TOTAL DAY WORK			

WIRE LINE RECORD

REEL NO.

NO. OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
STANDS D.P.		FT.
SINGLES D.P.		FT.
D.C. I.D.	O.D.	FT.
D.C. I.D.	O.D.	FT.
STB. BODY	O.D.	FT.
STB. BODY	O.D.	FT.
RMR. BODY	O.D.	FT.
SUBS	O.D.	FT.
BIT OR C.B.		FT.
		FT.
KELLY DOWN		FT.
TOTAL		FT.
WT. OF STRING		LBS.

BIT RECORD

BIT NO.		
SIZE		
MFG.		
TYPE		
NOZZLE	NO.	
	SIZE	
SER. NO.		
DEPTH OUT		
DEPTH IN		
TOTAL FTG.		
TOTAL HR. RUN		
COND. OF BIT		
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME				
WEIGHT				
VISC.-SEC				
W.L.-C.C.				
FLTR. CK.				
PH				
SD. CONT. %				
PRESSURE GRADIENT				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER Ron Savell

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1200	900	8	Running 7" Casing 1 Pail of BestoLite Used on Casing

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
STANDS D.P.		FT.
SINGLES D.P.		FT.
D.C. I.D.	O.D.	FT.
D.C. I.D.	O.D.	FT.
STB. BODY	O.D.	FT.
STB. BODY	O.D.	FT.
RMR. BODY	O.D.	FT.
SUBS	O.D.	FT.
BIT OR C.B.		FT.
		FT.
KELLY DOWN		FT.
TOTAL		FT.
WT. OF STRING		LBS.

BIT RECORD

BIT NO.		
SIZE		
MFG.		
TYPE		
NOZZLE	NO.	
	SIZE	
SER. NO.		
DEPTH OUT		
DEPTH IN		
TOTAL FTG.		
TOTAL HR. RUN		
COND. OF BIT		
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME				
WEIGHT				
VISC.-SEC				
W.L.-C.C.				
FLTR. CK.				
PH				
SD. CONT. %				
PRESSURE GRADIENT				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER R Hanley

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
800	900	1	Finished Running - 7" Casing.
9.00	12.00	3	Hooked up B.J. to cement & unloaded D.C. off Plane.
12.00	2.00	2	Cement w/ B.J. 200 sax
2.00	4.00	2	Clean BOPs. to Pick & to cut Casing

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
STANDS D.P.		FT.
SINGLES D.P.		FT.
D.C. I.D.	O.D.	FT.
D.C. I.D.	O.D.	FT.
STB. BODY	O.D.	FT.
STB. BODY	O.D.	FT.
RMR. BODY	O.D.	FT.
SUBS	O.D.	FT.
BIT OR C.B.		FT.
		FT.
KELLY DOWN		FT.
TOTAL		FT.
WT. OF STRING		LBS.

BIT RECORD

BIT NO.		
SIZE		
MFG.		
TYPE		
NOZZLE	NO.	
	SIZE	
SER. NO.		
DEPTH OUT		
DEPTH IN		
TOTAL FTG.		
TOTAL HR. RUN		
COND. OF BIT		
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME				
WEIGHT				
VISC.-SEC				
W.L.-C.C.				
FLTR. CK				
PH				
SD. CONT. %				
PRESSURE GRADIENT				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER Ron Savell

FOOTAGE

FROM	TO	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
400			W.O.C Raise up BOPs Cut off 7" Casing
	1200	8	Install Seal & Bevel Top of Casing & Head up BOPs

DAILY DRILLING REPORT

REPORT NO. 108 DATE FEB 19-74

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
Mobil Oil Can. LTD	Mobil Oil Hume River	L-09	Hume River	N.W.T	CANADA

CONTRACTOR: S & T DRILLING (WESTERN) CO. LTD. RIG NO. 1E

DRILL PIPE STRING: NO. 2, SIZE 4½" TOOL JOINT 5" O.D. TYPE THD 3½ IF

SIGNATURE OF OPERATOR'S REPRESENTATIVE: L Lemmiler

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: B Habonja

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NAT.	K 380	14"
2.	NAT.	K.380	14"
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9⅝	Imp	36" J55	21	774	1200	750	CEMENTED TO SURFACE

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL			
REAMING			
CONDITIONING MUD & CIRCULATING			1/2
TRIPS	2		4
LUBRICATE RIG			
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
[illegible]ING			
WIRE LINE LOGGING	6		
RUNNING CASING & CEMENTING			2
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			1½
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8		8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK	
HRS. W/DP	
HRS. WO/DP	
HRS. STANDBY	
TOTAL DAY WORK	

WIRE LINE RECORD

REEL NO.	
NO. OF LINES	SIZE
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
	STANDS D.P.		FT.
	SINGLES D.P.		FT.
	D.C. I.D. O.D.		FT.
	D.C. I.D. O.D.		FT.
	STB. BODY O.D.		FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
	SUBS O.D.		FT.
	BIT OR C.B.		FT.
			FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HR. RUN	
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	
WEIGHT	
VISC.-SEC	
W.L.-C.C.	
FL.TR. CK.	
PH	
SD. CONT. %	
PRESSURE GRADIENT	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER Ron Savill

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
5296				Fuel 5'6"								

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	2:00	2	Trip out To 2099 + Strap. Tally
2:00	8:00	6	Rig up + Logging by Schlumberger

Pipe Tally 5296.00
Strap. 5296.66
Mud. Correction .66

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
53	STANDS D.P.	497455	FT.
	SINGLES D.P.		FT.
4	D.C. I.D. O.D.	263.47	FT.
	D.C. I.D. O.D.		FT.
1	STB. Bit BODY O.D.	320	FT.
1	STB. Borg. BODY O.D.	690	FT.
1	RMR. wipe BODY O.D.	690	FT.
	SUBS O.D.		FT.
	BIT OR C.B.		FT.
			FT.
	KELLY DOWN	4052	FT.
	TOTAL	5296	FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.	14
SIZE	8 3/4
MFG.	Smith
TYPE	SL4H
NOZZLE NO.	3
NOZZLE SIZE	14
SER. NO.	FW005
DEPTH OUT	5286
DEPTH IN	5276
TOTAL FTG.	10
TOTAL HR. RUN	4 3/4
COND. OF BIT	Run.
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	
WEIGHT	
VISC.-SEC	
W.L.-C.C.	
FLTR. CK.	
PH	
SD. CONT. %	
PRESSURE GRADIENT	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	10:00	2	Log w/ Schlumberger
10:00	12:00	2	Layed Mensk Collar + Run in to Cond hole
12:00	3:00	3	Clean to Bottom From.
3:00	4:00	1	Circ. hole to Run Casing.

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
53	STANDS D.P.	497455	FT.
	SINGLES D.P.		FT.
4	D.C. I.D. O.D.	26347	FT.
	D.C. I.D. O.D.		FT.
1	STB. Bit BODY O.D.	320	FT.
1	STB. Borg BODY O.D.	690	FT.
1	RMR. wipe BODY O.D.	690	FT.
	SUBS O.D.		FT.
	BIT OR C.B.		FT.
		4052	FT.
	KELLY DOWN	[illegible]	FT.
	TOTAL	5296	FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.	14
SIZE	8 3/4
MFG.	Smith
TYPE	SL4H
NOZZLE NO.	3/8
NOZZLE SIZE	
SER. NO.	FW005
DEPTH OUT	
DEPTH IN	5286
TOTAL FTG.	10
TOTAL HR. RUN	4 3/4
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	
WEIGHT	
VISC.-SEC	
W.L.-C.C.	
FLTR. CK	
PH	
SD. CONT. %	
PRESSURE GRADIENT	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	4:30	½	Circ. hole to Run Casing.
4:30	8:30	4	Pump. out 4 singles + trip out to run. casing. Layed down.
8:30	10:00	1½	Rig To Run 7" Casing Jts. + K W
10:00	12:00	2	Running 7" Casing

DAILY DRILLING REPORT

REPORT NO. 65 DATE FEB 18-71

OPERATOR: Mobil Oil Can. LTD.

LEASE: Mobil Oil Hume River

WELL NO. 1-09 FIELD OR DIST. Hume River COUNTY N.W.T STATE CANADA

CONTRACTOR: S & T DRILLING (WESTERN) CO. LTD. RIG NO. 1E

DRILL PIPE STRING NO. 2 SIZE 4½" TOOL JOINT 5" O.D. TYPE THD 3½ IF

SIGNATURE OF OPERATOR'S REPRESENTATIVE: L Lesniuk

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: J Valenza

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NAT	A-380	14"
2.	NAT	A-380	14"
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9⅝	Tap	36# J55	21	774	1200	750	CEMENTED TO SURFACE

TIME DISTRIBUTION–HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL			
REAMING			
CONDITIONING MUD & CIRCULATING	5¼	2½	3¼
TRIPS		2½	3½
LUBRICATE RIG	¼	¼	¼
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
CASING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER	2½	4	1
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
CREWS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK	
HRS. W/DP	
HRS. WO/DP	
HRS. STANDBY	
TOTAL DAY WORK	

WIRE LINE RECORD

REEL NO.	
NO. OF LINES	SIZE
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
53	STANDS D.P.	4974.55 FT.
	SINGLES D.P.	FT.
9	D.C. I.D. O.D.	263.93 FT.
1	D.C. Monel I.D. O.D.	15.48 FT.
1	STB. BODY JAR O.D.	6.90 FT.
1	STB. BODY Wiper O.D.	6.90 FT.
	RMR. BODY O.D.	FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
		FT.
	KELLY DOWN	28.24 FT.
	TOTAL	5296.00 FT.

WT. OF STRING 84M LBS.

BIT RECORD

BIT NO.	18
SIZE	8¾
MFG.	Smith
TYPE	SL 4H
NOZZLE NO.	3
NOZZLE SIZE	18
SER. NO.	FW005
DEPTH OUT	
DEPTH IN	5286
TOTAL FTG.	10
TOTAL HR. RUN	2¾
COND. OF BIT	Run
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	100	400	700
WEIGHT	10.2	10.2	10.2
VISC.-SEC	240	260	295
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Super Col	1000#		
Dow. B	10#		

DRILLER Ron Smith

FOOTAGE

FROM	TO	DR.-D RM.-R CORE-C	CORE NO.
5296			

FORMATION (SHOW CORE RECOVERY): Fuel 6'- 6 A.M.

ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C

DEVIATION RECORD | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12¹⁰	12¹⁵	¼	Ser. Rig & BOPs & Kelly Cock.
12¹⁵	2⁴⁵	2½	CLEANING To Bottom From 5201 To 5296.
2⁴⁵	8⁰⁰	5¼	Circ Work. pipe & Cond. Mud.
			Changed Valve & Valve Seat #2 pump.
			Feb. 18-71

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
53	STANDS D.P.	4471.55 FT.
	SINGLES D.P.	FT.
4	D.C. I.D. O.D.	263.93 FT.
1	D.C. Monel I.D. O.D.	15.48 FT.
1	STB. BODY JAR O.D.	6.90 FT.
1	STB. BODY Wiper O.D.	6.90 FT.
	RMR. BODY O.D.	FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
		FT.
	KELLY DOWN	28.24 FT.
	TOTAL	5296.00 FT.

WT. OF STRING 84M LBS.

BIT RECORD

BIT NO.	18
SIZE	8¾
MFG.	Smith
TYPE	SL 4H
NOZZLE NO.	3
NOZZLE SIZE	18
SER. NO.	FW005
DEPTH OUT	
DEPTH IN	5286
TOTAL FTG.	10
TOTAL HR. RUN	4¾
COND. OF BIT	Run
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	1000	1200	200
WEIGHT	10.2	10.2	10.2
VISC.-SEC	320	320	310
W.L.-C.C.			
FLTR. CK.			
PH	9.5+	9.5	9.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
750#	Nut Shell		

DRILLER R. Henley

FOOTAGE

FROM	TO	DR.-D RM.-R CORE-C	CORE NO.
[illegible]		?	

FORMATION (SHOW CORE RECOVERY): [illegible]

ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C

DEVIATION RECORD | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8⁰⁰	8.15	¼	Rig Serv & BOPs.
8.15	9.30	1¼	Circ. Work pipe
9.30	12⁰⁰	2½	Pump out 9 singles & Worked Tight hole
12⁰⁰	4⁰⁰		Cleaning to Bottom. From 5118 To 5296

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
	STANDS D.P.	FT.
	SINGLES D.P.	FT.
	D.C. I.D. O.D.	FT.
	D.C. I.D. O.D.	FT.
	STB. BODY O.D.	FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
		FT.
	KELLY DOWN	FT.
	TOTAL	FT.

WT. OF STRING LBS.

BIT RECORD

BIT NO.	18
SIZE	8¾
MFG.	
TYPE	
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HR. RUN	
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	600	800
WEIGHT	10.2	10.2
VISC.-SEC	315	328
W.L.-C.C.		
FLTR. CK		
PH	9.5	9.5
SD. CONT. %		
PRESSURE GRADIENT		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Nut Shell	250#		

DRILLER

FOOTAGE

FROM	TO	DR.-D RM.-R CORE-C	CORE NO.

FORMATION (SHOW CORE RECOVERY):

ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C

DEVIATION RECORD | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4.00	4.15	¼	Rig Serv. & BOPs.
4.15	5.15	1	Cleaning to Bottom. From: 5266 to 5296.
5.15	6.45	1½	Circ & Work pipe & Cond. Mud
6.45	7.45	1	Dummy trip 6 stands
7.45	9.30	1¾	Circ Cond Hole To Logg
9.30	12.00	2½	Pumped out 5 singles & Trip out To Logg
			STRAP TALLY

DAILY DRILLING REPORT

REPORT NO. 67 DATE FEB. 11-11

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
Mobil Oil Can. LTD.	Mobil Oil Hume River	L-09	Hume River	N.W.T	CANADA

CONTRACTOR: S & T DRILLING (WESTERN) CO. LTD. RIG NO. 1E

DRILL PIPE STRING: NO. 2, SIZE 4" TOOL JOINT O.D. 5" TYPE THD 3½ IF

SIGNATURE OF OPERATOR'S REPRESENTATIVE: L Lesanciuk

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: M Gilday

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NAT	K 380	14"
2.		K-380	14"
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9⅝	Tapp.	36# J55	21	774'	1200	750'	Cemented To Surface

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL			
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			11½
LUBRICATE RIG			
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG	1½	8	2
[illegible]ING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT Parts	6½		
DRILL STEM TEST			
Clean Other To Bottom			1½
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
[illegible]ALS	8	8	

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK			
HRS. W/DP			
HRS. WO/DF			
HRS. STANDBY			
TOTAL DAY WORK			

WIRE LINE RECORD

REEL NO.	
NO. OF LINES	SIZE
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
50	STANDS D.P.	4690.83	FT.
1	SINGLES D.P.	31.22	FT.
18	D.C. 2¼ Hex I.D. O.D.	531.93	FT.
1	D.C. Monel I.D. O.D.	15.48	FT.
1	STB. AR. BODY O.D.	6.90	FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
1	SUBS X O.D.	1.54	FT.
	BIT OR C.B.		FT.
			FT.
	KELLY DOWN	19.10	FT.
	TOTAL	5296.00	FT.
WT. OF STRING	101 M		LBS.

BIT RECORD

BIT NO.	18
SIZE	8¾
MFG.	Smith
TYPE	52 4H
NOZZLE NO.	3
NOZZLE SIZE	11/16
SER. NO.	FW005
DEPTH OUT	
DEPTH IN	5286
TOTAL FTG.	10
TOTAL HR. RUN	4¾
COND. OF BIT	Run
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	
WEIGHT	
VISC.-SEC	
W.L.-C.C.	
FLTR. CK.	
PH	
SD. CONT. %	
PRESSURE GRADIENT	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER Ben Smith

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL-S PAR'EL-P COM'D-C
5296.												

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1200	630	6½	Wait on Rotary Sears
630	800	1½	Repair Rotary Clutch

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
50	STANDS D.P.	4690.83	FT.
1	SINGLES D.P.	31.22	FT.
18	D.C. I.D. O.D.	530.93	FT.
1	D.C. Monel I.D. O.D.	15.48	FT.
1	STB. Jars BODY O.D.	6.90	FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
1	SUBS X O.D.	1.54	FT.
	BIT OR C.B.		FT.
			FT.
	KELLY DOWN	19.10	FT.
	TOTAL	5296.00	FT.
WT. OF STRING	101 M		LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HR. RUN	
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	
WEIGHT	
VISC.-SEC	
W.L.-C.C.	
FLTR. CK.	
PH	
SD. CONT. %	
PRESSURE GRADIENT	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER R Hunley

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL-S PAR'EL-P COM'D-C
5296.												

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
800	400	8	Repair Rotary Clutch & Putting it Back in Place

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
52	STANDS D.P.	4879.45	FT.
	SINGLES D.P.		FT.
9	D.C. I.D. O.D.	263.93	FT.
1	D.C. Monel I.D. O.D.	15.48	FT.
1	STB. Wiper BODY O.D.	6.96	FT.
1	STB. AR. BODY	6.90	FT.
	RMR. BODY O.D.		FT.
	SUBS O.D.		FT.
	BIT OR C.B.		FT.
			FT.
	KELLY DOWN	28.34	FT.
	TOTAL	5201	FT.
WT. OF STRING	84M		LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HR. RUN	
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	1145
WEIGHT	10.2
VISC.-SEC	245
W.L.-C.C.	
FLTR. CK	
PH	
SD. CONT. %	
PRESSURE GRADIENT	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER Rollie

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL-S PAR'EL-P COM'D-C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1100	1600	2	Repair & Install Same Rotary Clutch
600	700	1	Pull out & Stand Back 9 Drill Collars & Move Jars down & Pick up Key Seat Wiper
700	1030	3½	Run in To Clean hole
1030	1200	1½	Cleaning To Bottom From 5107 To 5201

DAILY DRILLING REPORT

REPORT NO. 63 DATE FEB 16-71

OPERATOR: Mobil Oil Can. LTD.

CONTRACTOR: S & T DRILLING (WESTERN) CO. LTD. RIG NO. 1F

LEASE: Mobil Oil Hume River

WELL NO. K-09 FIELD OR DIST. Hume River COUNTY N.W.T STATE CANADA

DRILL PIPE STRING: NO. 2 SIZE 4" TOOL JOINT 5" O.D. TYPE THD 3½ IF

SIGNATURE OF OPERATOR'S REPRESENTATIVE: L Lisowiec

SIGNATURE OF CONTRACTOR'S TOOL PUSHER:

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NAT	K-380	14"
2.	NAT	K 380	14"
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
	IAPP	36# J55	21	774	1200	750	CEMENTED TO - SURFACE

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL			
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS	½		
LUBRICATE RIG			
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
[illegible]RING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT Repairs	6½	8	
DRILL STEM TEST			
OTHER			
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
[illegible]LS	8	8	

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK			
HRS. W/DP			
HRS. WO/DP			
HRS. STANDBY			
TOTAL DAY WORK			

WIRE LINE RECORD

REEL NO.

NO. OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
60	STANDS D.P.	4690.83 FT.
1	SINGLES D.P.	31.22 FT.
	D.C.	
28	I.D. O.D.	530.93 FT.
	D.C.	
1	Monel I.D. O.D.	15.48 FT.
1	STB. BODY O.D.	6.90 FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
1	SUBS O.D.	1.54 FT.
	BIT OR C.B.	FT.
		FT.
	KELLY DOWN	19.10 FT.
	TOTAL	5296.00 FT.

WT. OF STRING 101M LBS.

BIT RECORD

BIT NO.	18
SIZE	8 3/4
MFG.	Smith
TYPE	F2 4H
NOZZLE NO.	3
NOZZLE SIZE	3/16
SER. NO.	FW005
DEPTH OUT	
DEPTH IN	5286
TOTAL FTG.	10
TOTAL HR. RUN	2 3/4
COND. OF BIT	RUN
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	
WEIGHT	
VISC.-SEC	
W.L.-C.C.	
FLTR. CK.	
PH	
SD. CONT. %	
PRESSURE GRADIENT	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER Ron Snell

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
5296				Fluid 5 @ 7:AM								

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1200	130	1½	TRIP OUT INTO CASING & CIRCULATE
130	800	6½	REMOVE OLD ROTARY CLUTCH & WAIT ON PARTS

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

	STANDS D.P.	FT.
	SINGLES D.P.	FT.
	D.C. I.D. O.D.	FT.
	D.C. I.D. O.D.	FT.
	STB. BODY O.D.	FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
		FT.
	KELLY DOWN	FT.
	TOTAL	FT.

WT. OF STRING LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HR. RUN	
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	
WEIGHT	
VISC.-SEC	
W.L.-C.C.	
FLTR. CK.	
PH	
SD. CONT. %	
PRESSURE GRADIENT	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER R Hendy

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
800	1400	8	Wait on Rotary Clutch. Parts & Steam out. Casing.

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

	STANDS D.P.	FT.
	SINGLES D.P.	FT.
	D.C. I.D. O.D.	FT.
	D.C. I.D. O.D.	FT.
	STB. BODY O.D.	FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
		FT.
	KELLY DOWN	FT.
	TOTAL	FT.

WT. OF STRING LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HR. RUN	
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	
WEIGHT	
VISC.-SEC	
W.L.-C.C.	
FLTR. CK	
PH	
SD. CONT. %	
PRESSURE GRADIENT	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER Ron Snell

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
400	1200	8	Wait on Rotary Clutch. Parts
			May Schaupmeyer INJURED 3rd FINGER ON RIGHT HAND while Unloading CASING @ 930 PM.

DAILY DRILLING REPORT

REPORT NO. 06 DATE FEB 13-1

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
Mobil Oil Can. LTD	Mobil Oil Hume River	2-09	Hume River	N.W.T	CANADA

CONTRACTOR	RIG NO.	DRILL PIPE STRING NO.	DRILL PIPE STRING SIZE	TOOL JOINT O.D.	TYPE THD.
S & T DRILLING (WESTERN) CO. LTD.	1E	2	4"	5"	3½ IF

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
L Leismüller	Galenza

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NAT.	K-380	14"
2.	NAT.	K-380	14"
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9⅝	TAP	36 J55	21	774	1200	750	CEMENTED TO SURFACE

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL		4¾	
REAMING			
CONDITIONING MUD & CIRCULATING	4	13	4
TRIPS	2¼		3
LUBRICATE RIG	¼	¼	¼
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			¾
SLIPPING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER	1½		
FISHING			

COMPLETION WORK

A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK			
HRS. W/DP			
HRS. WO/DP			
HRS. STANDBY			
TOTAL DAY WORK			

WIRE LINE RECORD

REEL NO.	
NO. OF LINES	SIZE
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
50	STANDS D.P.	4690.83	FT.
	SINGLES D.P.		FT.
18	D.C. I.D. O.D.	530.93	FT.
1	D.C. Monel I.D. O.D.	15.48	FT.
1	STB. BODY O.D.	6.90	FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
1	SUBS X O.D.	1.54	FT.
	BIT OR C.B.		FT.
			FT.
	KELLY DOWN	41.00	FT.
	TOTAL	5286.00	FT.
WT. OF STRING	100 M		LBS.

BIT RECORD

BIT NO.	18
SIZE	8¾
MFG.	Smith
TYPE	SL 4H
NOZZLE NO.	3-18
NOZZLE SIZE	
SER. NO.	FW005
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HR. RUN	
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	6	3:00	7:00
WEIGHT	9	10.2	10.2
VISC.-SEC	1	275	245
W.L.-C.C.	9		
FLTR. CK.	9	5.0	
PH	1		9.5
SD. CONT. %	N		
PRESSURE GRADIENT	G		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
CAUSTIC	100#	SUPER CAL	200#
PROTECTOMAGIC	100#		
UNI CAL	100#		

DRILLER Ron Swill

FOOTAGE

FROM	TO	DR.-D RM.-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
5286												

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	12:15	¼	See Rig ✓ BOPs
12:15	2:30	2¼	Pumped out 5 singles + Pull one STAND. Wiper Trip
2:30	2:00	1½	CLEAN Back To Bottom
2:00	8:00	4	Circ. CLEAN hole

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
50	STANDS D.P.	4690.83	FT.
	SINGLES D.P.	3122	FT.
18	D.C. I.D. O.D.	530.93	FT.
1	D.C. Monel I.D. O.D.	15.48	FT.
1	STB. BODY O.D.	6.90	FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
1	SUBS X O.D.	1.54	FT.
	BIT OR C.B.		FT.
			FT.
	KELLY DOWN	10.00	FT.
	TOTAL	5246.03	FT.
WT. OF STRING	90		LBS.

BIT RECORD

BIT NO.	18
SIZE	8¾
MFG.	Smith
TYPE	SL 2H
NOZZLE NO.	3-18
NOZZLE SIZE	
SER. NO.	FW005
DEPTH OUT	
DEPTH IN	5286
TOTAL FTG.	10.00
TOTAL HR. RUN	4¾
COND. OF BIT	Run
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	10:00	1:00	3:00
WEIGHT	10.2	10.2	10.2
VISC.-SEC	285	180	200
W.L.-C.C.	5		
FLTR. CK.	3/32		
PH	9.5	10.5	10.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Lignosol 1000		Potash	100
Mud-Sal	200	Magic	100
Caustic	200		

DRILLER R Hanley

FOOTAGE

FROM	TO	DR.-D RM.-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
5286	5296											

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	8:15	¼	Rig Serv. ✓ BOPs.
8:15	9:15	1	Circ. clean hole
9:15	2:00	4¾	DRLG. 8¾ hole
2:00	4:00	2	Circ. sample. & Cond. hole.

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
50	STANDS D.P.	4690.83	FT.
1	SINGLES D.P.	31.22	FT.
18	D.C. I.D. O.D.	530.93	FT.
1	D.C. Monel I.D. O.D.	15.48	FT.
1	STB. BODY O.D.	6.90	FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
1	SUBS X56 O.D.	1.54	FT.
	BIT OR C.B.		FT.
			FT.
	KELLY DOWN	19.10	FT.
	TOTAL	5296.00	FT.
WT. OF STRING	100 M		LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HR. RUN	
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	6:00	9:00	1:00
WEIGHT	10.2	10.2	10.2
VISC.-SEC	195	270	70
W.L.-C.C.			9
FLTR. CK			9
PH	10.5	10.5	9
SD. CONT. %			G
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER Rollie & Ron

FOOTAGE

FROM	TO	DR.-D RM.-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
5296												

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	4:15	¼	Rig Serv ✓ BOPs.
4:15	9:15	4	Circ. & Work pipe on Bottom. to Cond. hole
9:15	9:15	1	Pumped out 5 single & Work pipe on Wiper Trip
9:15	10:00	¾	Remove Rotary chain (Rotary Clutch Seized up)
10:00	12:00	2	Trip out To Repair Rotary Clutch

DAILY DRILLING REPORT

REPORT NO. 10 DATE Jan. 14

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
Mobil Oil Canada LTD.	Mobil Oil Hume River	2-09	Hume River	N.W.T	CANADA

CONTRACTOR	RIG NO.
S & T DRILLING (WESTERN) CO. LTD.	1-F

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
L Lemieux	J B Valenzo

DRILL PIPE STRING: NO. 2, SIZE 4" — TOOL JOINT 5" O.D., TYPE THD. 3½ IF

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NAT.	K-380	14"
2.	NAT.	K 380	14"
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9⅝	SAP	36# J55	21	774	1200	750	CEMENTED TO SURFACE

TIME DISTRIBUTION–HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL			
REAMING			
CONDITIONING MUD & CIRCULATING	H	2½	3½
TRIPS		2¾	2¼
LUBRICATE RIG	¼	¼	¼
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILLING LINE			1
REPAIR RIG		2½	
[illegible]ING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER Clean to Bottom	3¾		1
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK	
HRS. W/DP	
HRS. WO/DP	
HRS. STANDBY	
	10 ¼
	13 ¼
TOTAL DAY WORK	

WIRE LINE RECORD

REEL NO.	
NO. OF LINES	SIZE
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
50	STANDS D.P.	4690.83 FT.	
	SINGLES D.P.	FT.	
1	D.C. Monel I.D. O.D.	15.48 FT.	
18	D.C. 7⅜ I.D. 6¼ O.D.	530.93 FT.	
	STB. BODY O.D.	FT.	
	STB. BODY O.D.	FT.	
	RMR. BODY O.D.	FT.	
	SUBS		
1	Kelly O.D.	1.54 FT.	
1	Bit Sub O.D.	6.90 FT.	
		FT.	
	KELLY DOWN	41.00 FT.	
	TOTAL	5286. FT.	
WT. OF STRING	100 M LBS.		

BIT RECORD

BIT NO.	17
SIZE	8¾
MFG.	H-W
TYPE	XDV
NOZZLE NO.	1/14 1/15
NOZZLE SIZE	1 OUT
SER. NO.	29259
DEPTH OUT	
DEPTH IN	4940
TOTAL FTG.	346
TOTAL HR. RUN	63½
COND. OF BIT	—
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	12	400	700
WEIGHT	10.2	10.2	10.2
VISC.-SEC	335	300	300
W.L.-C.C.		5.8	
FL.TR. CK.		2/32	
PH	9.5	9.5	9.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Caustic	50#		
Unicol	50#		

DRILLER Ron Savill

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PAR'EL–P COM'D–C
5286'					40/70	15/30	1400	5½ X 14	69			

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1200	1215	¼	Ser. Rig & B.O.Ps
1215	400	3¾	Cleaning To Bottom From 5170' To 5286
400	800	4	Circ & Work pipe @ 5286'
			Lost approx. 10 BBls Mud IN FORMATION

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
	STANDS D.P.	FT.
	SINGLES D.P.	FT.
	D.C. I.D. O.D.	FT.
	D.C. I.D. O.D.	FT.
	STB. BODY O.D.	FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
		FT.
	KELLY DOWN	FT.
	TOTAL	FT.
WT. OF STRING		LBS.

BIT RECORD

BIT NO.	17
SIZE	8¾
MFG.	H-W
TYPE	XDV
NOZZLE NO.	1/14 1/15
NOZZLE SIZE	1 OUT
SER. NO.	29259
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HR. RUN	
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	900		
WEIGHT	10.2		
VISC.-SEC	200		
W.L.-C.C.	-		
FL.TR. CK.			
PH	9.5		
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER R. Hanly

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PAR'EL–P COM'D–C
5286												

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
400	1030	2½	Circ & Work pipe @ 5286
1030	115	2¼	Trip for Bit.
115	130	¼	Rig Serv. & BOPs.
130	400	2½	Change Cat Head on Draworks.

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
	STANDS D.P.	FT.
	SINGLES D.P.	FT.
	D.C. I.D. O.D.	FT.
	D.C. I.D. O.D.	FT.
	STB. BODY O.D.	FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
		FT.
	KELLY DOWN	FT.
	TOTAL	FT.
WT. OF STRING		LBS.

BIT RECORD

BIT NO.	18
SIZE	8¾
MFG.	SMITH
TYPE	24H
NOZZLE NO.	3
NOZZLE SIZE	18
SER. NO.	FW005
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HR. RUN	1
COND. OF BIT	RUN
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME		900	1130
WEIGHT		10.2	10.2
VISC.-SEC		200	260
W.L.-C.C.			
FL.TR. CK			
PH			9.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Super Col	100#		
Biocide	20#		

DRILLER Roller Ron

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PAR'EL–P COM'D–C

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
400	415	¼	Rig Serv. & BOPs.
415	515	1	Slip & Cut Line
515	730	2¼	Run in w/ Bit #18
730	830	1	Clean 30' To Bottom @ 5286'
830	1200	3½	Circ Cond. Hole

DAILY DRILLING REPORT

REPORT NO. 64 DATE FEB-15-11

OPERATOR: Mobil Oil Can. LTD.

CONTRACTOR: S & T DRILLING (WESTERN) CO. LTD. RIG NO. 1E

LEASE: Mobil Oil Hume River

WELL NO. 2-09 FIELD OR DIST. Hume River N.W.T COUNTY N.W.T STATE CANADA.

DRILL PIPE STRING NO. 2 SIZE 4½" TOOL JOINT 5" O.D. TYPE THD 3½ IF

SIGNATURE OF OPERATOR'S REPRESENTATIVE: L Kleinsmidt

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: B Haley

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NAT.	F-380	14"
2.	NAT.	F-380	14"
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9⅝	Top	36 J55	21	774	12.00	750	Cemented To Surface

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL			
REAMING			
CONDITIONING MUD & CIRCULATING	½	1½	
TRIPS		7½	
LUBRICATE RIG	¼	¼	¼
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
[illegible]ING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
CLEAN OUT To Bottom	7¼	2¼	7¾
Simulate Circulate Rotating Jt		¾	
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK	
HRS. W/DP	
HRS. WO/DP	
HRS. STANDBY	
TOTAL DAY WORK	

WIRE LINE RECORD

REEL NO.	
NO. OF LINES / SIZE	
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
50	STANDS D.P.	4690.83	FT.
	SINGLES D.P.		FT.
	D.C.		
18	3⅛ I.D. 6¼ O.D.	530.93	FT.
	D.C.		
1	Monel I.D. O.D.	15.48	FT.
	STB. BODY O.D.		FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
	SUBS		
1	X-Sub O.D.	1.54	FT.
1	TAP BIT OR C.B.	6.90	FT.
			FT.
	KELLY DOWN	41.00	FT.
	TOTAL	5286.68	FT.
WT. OF STRING		100 M	LBS.

BIT RECORD

BIT NO.	17
SIZE	8¾
MFG.	HW
TYPE	XDV
NOZZLE NO.	2-15
NOZZLE SIZE	1-14 1 OUT
SER. NO.	29259
DEPTH OUT	
DEPTH IN	4940'
TOTAL FTG.	346 Cleaning
TOTAL HR. RUN	49¾ To Bottom
COND. OF BIT	Superdrill 40"
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	10⁰⁰	3⁰⁰	6⁰⁰
WEIGHT	10.2	10.2	10.2
VISC.-SEC	170	190	200
W.L.-C.C.			
FLTR. CK.			
PH	9.5	9.5	9.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: Ron Savill

FOOTAGE

FROM	TO	DR.-D RM.-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
5286					40/50	3/10	1400	5½	69			
								7				
								14				

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12⁰⁰	12¹⁵	¼	Ser. Rig & B.O.Ps
12¹⁵	7³⁰	7¼	Cleaning To Bottom From 5129 To 5286'
7³⁰	8⁰⁰	½	Cir Cond. Hole

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
	STANDS D.P.		FT.
	SINGLES D.P.		FT.
	D.C.		
	I.D. O.D.		FT.
	D.C.		
	I.D. O.D.		FT.
	STB. BODY O.D.		FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
	SUBS O.D.		FT.
	BIT OR C.B.		FT.
			FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.	17
SIZE	8¾
MFG.	HW
TYPE	XDV
NOZZLE NO.	1-15 1-14
NOZZLE SIZE	1 OUT
SER. NO.	29259
DEPTH OUT	
DEPTH IN	4940
TOTAL FTG.	
TOTAL HR. RUN	52
COND. OF BIT	Run
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	7⁰⁰	11⁶⁰	3⁰⁰
WEIGHT	10.2	10.2	10.2
VISC.-SEC	180	170	160
W.L.-C.C.			
FLTR. CK.			
PH	9.5	9.5	9.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: R Thienby

FOOTAGE

FROM	TO	DR.-D RM.-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
5286												

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8⁰⁰	8¹⁵	¼	Rig Serv. & BOPs.
8¹⁵	9.30	1¼	Cir. Cond. Hole.
9.30	11⁴⁵	2¼	Pump out 4 singles & Pull 5 stands Dummy Trip. to 4656'
11⁴⁵	1230	¾	Pumps off rotating @ idle
1230	1⁴⁵	1¼	TRIPPED BACK to 5121' Hit 5.11 here.
1⁴⁵	4⁰⁰	2¼	Cleaning To Bottom From 5121 & Cond. Mud.

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
49	STANDS D.P.	4596.02	FT.
	SINGLES D.P.		FT.
	D.C.		
18	3⅛ I.D. 6¼ O.D.	530.93	FT.
	D.C.		
1	Monel I.D. O.D.	15.48	FT.
	STB. BODY O.D.		FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
	SUBS		
1	Xover O.D.	1.54	FT.
	BIT OR C.B.		FT.
			FT.
	KELLY DOWN	40.00	FT.
	TOTAL	5170.00	
WT. OF STRING		100 M	LBS.

BIT RECORD

BIT NO.	17
SIZE	8¾
MFG.	HW
TYPE	XDV
NOZZLE NO.	1-15 1-14
NOZZLE SIZE	1 OUT
SER. NO.	29259
DEPTH OUT	
DEPTH IN	4940
TOTAL FTG.	
TOTAL HR. RUN	59¾
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	6⁰⁰	10⁰⁰	12⁰⁰
WEIGHT	10.2	10.2	10.2
VISC.-SEC	175	285	335
W.L.-C.C.			
FLTR. CK			
PH	9.5	9.5	9.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Aqua Gel	1450		

DRILLER

FOOTAGE

FROM	TO	DR.-D RM.-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
5286					50	5/10	1400	5½ X	69			
								14				

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4⁰⁰	5⁰⁰	1	Cleaning to Bottom. From 5121 & Cond. Mud.
5⁰⁰	5¹⁵	¼	Rig Serv. & BOPs
5¹⁵	1200	6¾	Cleaning to Bottom. From 5121 & Cond Mud 5170

DAILY DRILLING REPORT

REPORT NO. 59 DATE Feb 13/71

OPERATOR: Mobil Oil Canada Ltd

CONTRACTOR: S & T DRILLING (WESTERN) CO. LTD. RIG NO. 1E

LEASE: Mobil Hume River L-09

WELL NO. L-09 FIELD OR DIST. Hume River COUNTY N.W.T STATE

DRILL PIPE STRING: NO. 2 SIZE 4 TOOL JOINT O.D. 5 TYPE THD. 3½ IF

SIGNATURE OF OPERATOR'S REPRESENTATIVE: [illegible]

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: [illegible]

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	N.S.C.O	K380	14
2.	N.S.C.O	K380	14
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9⅝		36 J55	21	774	1200	750	Cemented & Surf. w/ 465 Sax + 2.5% CaCl2

TIME DISTRIBUTION–HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL			
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG	¼	¼	¼
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
SLIPPING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER	7¼		7¾
FISHING			

COMPLETION WORK: A. PERFORATING; B. TUBING TRIPS; C. SWABBING; D. TESTING; E. ADDITIONAL

CALLS 8 8 4

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK

HRS. W/DP

HRS. WO/DP

HRS. STANDBY

TOTAL DAY WORK

WIRE LINE RECORD

REEL NO.

NO. OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. OR TRIP SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
146	STANDS D.P.	4628.74 FT.
2	SINGLES D.P.	63.36 FT.
	D.C.	
18	2¼ I.D. 6¼ O.D.	530.97 FT.
	D.C. Monel I.D. O.D.	15.48 FT.
	STB. BODY O.D.	FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
	SUBS Jars O.D.	6.90 FT.
	BIT OR C.B.	FT.
		FT.
	KELLY DOWN	41.00 FT.
	TOTAL	4971.65 FT.

WT. OF STRING 100M LBS.

BIT RECORD

BIT NO.	17
SIZE	8¾
MFG.	HW
TYPE	XDV
NOZZLE NO.	1/14 1/15
NOZZLE SIZE	1/16 OUT
SER. NO.	29259
DEPTH OUT	
DEPTH IN	4940 Reaming
TOTAL FTG.	31
TOTAL HR. RUN	3¾
COND. OF BIT	Run
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	1:00	4:00	7:00
WEIGHT	10.1	10.1	10.1
VISC.–SEC	93	91	90
W.L.–C.C.		6.8	
FLTR. CK.		2/32	
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: Bill Thomas

FOOTAGE

FROM	TO	DR.–D RM.–R CORE.–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)
5286				–20°
				Fuel 6.7'

ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PAR'EL–P COM'D–C

DEVIATION RECORD: DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	12:15	¼	Rig Service
12:15	8:00	7¾	Cleaning to Btm – Unable to make connection Hole bridging @ 4996

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
	STANDS D.P.	FT.
	SINGLES D.P.	FT.
	D.C.	
	I.D. O.D.	FT.
	D.C.	
	I.D. O.D.	FT.
	STB. BODY O.D.	FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
		FT.
	KELLY DOWN	FT.
	TOTAL	FT.

WT. OF STRING LBS.

BIT RECORD

BIT NO.	17
SIZE	8¾
MFG.	H-W
TYPE	XDV
NOZZLE NO.	~~1/14 1/15~~
NOZZLE SIZE	1/16 OUT
SER. NO.	29259
DEPTH OUT	
DEPTH IN	4940
TOTAL FTG.	63
TOTAL HR. RUN	3¾
COND. OF BIT	Run
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	9:00	11:00	2:00
WEIGHT	10.1	10.1	10.2
VISC.–SEC	90	93	90
W.L.–C.C.			
FLTR. CK.			
PH	9.5		
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: Ron Swill

FOOTAGE

FROM	TO	DR.–D RM.–R CORE.–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)
5286				

ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PAR'EL–P COM'D–C

DEVIATION RECORD: DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	8:15	¼	Ser. Rig ✓ B.O.Ps Held Blowout Drill Feb 12-71
8:15	4:00	7¾	Cleaning from 4940 To 5003. Hole Sloughing UNABLE to make Conn.

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
	STANDS D.P.	FT.
	SINGLES D.P.	FT.
	D.C.	
	I.D. O.D.	FT.
	D.C.	
	I.D. O.D.	FT.
	STB. BODY O.D.	FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
		FT.
	KELLY DOWN	FT.
	TOTAL	FT.

WT. OF STRING LBS.

BIT RECORD

BIT NO.	17
SIZE	8¾
MFG.	HW
TYPE	XDV
NOZZLE NO.	¼ ¼
NOZZLE SIZE	10 OUT
SER. NO.	29259
DEPTH OUT	
DEPTH IN	4940
TOTAL FTG.	147
TOTAL HR. RUN	12¼
COND. OF BIT	Run
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME			11:00
WEIGHT			10.2
VISC.–SEC			170
W.L.–C.C.			
FLTR. CK			
PH			9.0
SD. CONT. %			9.5
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Imp Gel	1000		

DRILLER: Ron & Bill

FOOTAGE

FROM	TO	DR.–D RM.–R CORE.–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)
5286	5306	RR		

ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PAR'EL–P COM'D–C

DEVIATION RECORD: DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	4:15	¼	Ser. Rig ✓ BOPs.
4:15	12:00	7¾	Cleaning to Bottom. From 5003'.

DAILY DRILLING REPORT

REPORT NO. 58 DATE Feb 11/70

OPERATOR: Imperial Oil Canada Ltd

CONTRACTOR: S & T DRILLING (WESTERN) CO. LTD. RIG NO. 1E

LEASE: Imperial Hume River 1-09

WELL NO. 1-09 FIELD OR DIST. Hume River COUNTY N.W.T STATE

DRILL PIPE STRING: NO. 2 SIZE 4 TOOL JOINT TYPE THD. 3½IF O.D. 5"

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER L B Gulenya

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	N.S.C.O.	K380	14"
2.	N.S.C.O.	K380	14"
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9⅝		36# J55	21	774	1900	750	Cemented to Surf. W/ 465 sax + 2.5% CaCl2

TIME DISTRIBUTION–HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL			
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS	1		
LUBRICATE RIG	¼	¼	¼
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
[illegible]ING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER	6¾	7¼	
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK			
HRS. W/DP			
HRS. WO/DP			
HRS. STANDBY			
TOTAL DAY WORK			

WIRE LINE RECORD

REEL NO.

NO. OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		FT.
	STANDS D.P.	
	SINGLES D.P.	
	D.C. I.D. O.D.	
	D.C. I.D. O.D.	
	STB. BODY O.D.	
	STB. BODY O.D.	
	RMR. BODY O.D.	
	SUBS O.D.	
	BIT OR C.B.	
	KELLY DOWN	
	TOTAL	
WT. OF STRING		LBS.

BIT RECORD

BIT NO.		17
SIZE		8¾
MFG.		HW
TYPE		XDV
NOZZLE	NO.	3/14 1/5
	SIZE	1/6 out
SER. NO.		39259
DEPTH OUT		
DEPTH IN		
TOTAL FTG.		
TOTAL HR. RUN		
COND. OF BIT		
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	9 AM	4PM	7PM
WEIGHT	10.0	10.0	10.0
VISC.–SEC	285	198	168
W.L.–C.C.	5.6		5.8
FL.TR. CK.	[illegible]		2/32
PH	9.5		9.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Soymul	500#	Duratone	5#
Caustic	50#		
Visical	100#		

DRILLER R.R. Almond

FOOTAGE

FROM	TO	DR.–D RM.–R CORE.–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PAR'EL–P COM'D–C
				-18°								
				Fuel 8.6'								

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12⁰⁰	1⁰⁰	1	Finish Trip in W/ Bit #17
1⁰⁰	1¹⁵	¼	Rig Service / Bops
1¹⁵	8⁰⁰	6¾	Cleaning to Btm from 4910 & Work tight occasionally

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		FT.
	STANDS D.P.	
	SINGLES D.P.	
	D.C. I.D. O.D.	
	D.C. I.D. O.D.	
	STB. BODY O.D.	
	STB. BODY O.D.	
	RMR. BODY O.D.	
	SUBS O.D.	
	BIT OR C.B.	
	KELLY DOWN	
	TOTAL	
WT. OF STRING		LBS.

BIT RECORD

BIT NO.		17
SIZE		8¾"
MFG.		H-W
TYPE		XDV
NOZZLE	NO.	1/14 1/15
	SIZE	
SER. NO.		29259
DEPTH OUT		
DEPTH IN		
TOTAL FTG.		
TOTAL HR. RUN		
COND. OF BIT		
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	9⁰⁰	12⁰⁰	3⁰⁰
WEIGHT	10.0	10.0	10.0
VISC.–SEC	125	93	97
W.L.–C.C.			
FL.TR. CK.			
PH	9.0	9.0	10.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
CAUSTIC	50#		

DRILLER Ben Savill

FOOTAGE

FROM	TO	DR.–D RM.–R CORE.–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PAR'EL–P COM'D–C

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8⁰⁰	8¹⁵	¼	See Rig J BOPs
8¹⁵	4⁰⁰	7¾	Cleaning To Bottom From 4910.

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		FT.
	STANDS D.P.	
	SINGLES D.P.	
	D.C. I.D. O.D.	
	D.C. I.D. O.D.	
	STB. BODY O.D.	
	STB. BODY O.D.	
	RMR. BODY O.D.	
	SUBS O.D.	
	BIT OR C.B.	
	KELLY DOWN	
	TOTAL	
WT. OF STRING		LBS.

BIT RECORD

BIT NO.		
SIZE		
MFG.		
TYPE		
NOZZLE	NO.	
	SIZE	
SER. NO.		
DEPTH OUT		
DEPTH IN		
TOTAL FTG.		
TOTAL HR. RUN		
COND. OF BIT		
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	7⁰⁰	9⁰⁰	11⁰⁰
WEIGHT	10.1	10.1	10.1
VISC.–SEC	96	94	93
W.L.–C.C.			
FL.TR. CK			
PH	10.0		
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
PROTECTO	100#		

DRILLER Ron & Dany

FOOTAGE

FROM	TO	DR.–D RM.–R CORE.–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PAR'EL–P COM'D–C

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4⁰⁰	4¹⁵	¼	Rig Service / Bops
4¹⁵	12⁰⁰	7¾	Cleaning to Btm from 4910

DAILY DRILLING REPORT

REPORT NO. 57 DATE Feb 10/71

OPERATOR: Mobil Oil Canada Ltd
LEASE: Mobil Hume River L-09
WELL NO. L-09
FIELD OR DIST. Hume River
COUNTY N.W.T
STATE

CONTRACTOR: S & T DRILLING (WESTERN) CO. LTD.
RIG NO. 1E

DRILL PIPE STRING: NO. 2 SIZE 4
TOOL JOINT: 5" O.D. TYPE THD. 3½ IF

SIGNATURE OF OPERATOR'S REPRESENTATIVE: Ron Podolsky
SIGNATURE OF CONTRACTOR'S TOOL PUSHER: A B Valenzo

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	N.S.C.O	K380	14
2.	N.S.C.O	K380	14
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9⅝		36# J55	21	774	12.00	750	Cemented to Surf. w/165 Sax 32.5 % Cacl2

TIME DISTRIBUTION–HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL			
REAMING	7¾	7¾	
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG	¼	¼	¼
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
WELDING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK			
HRS. W/DP			
HRS. WO/DP			
HRS. STANDBY			
TOTAL DAY WORK			

WIRE LINE RECORD

REEL NO.
NO. OF LINES SIZE
FEET SLIPPED
FEET CUT OFF
PRESENT LENGTH
TON MI. OR TRIPS SINCE LAST CUT
CUMULATIVE TON MI. OR TRIPS
NO. OF DAYS FROM SPUD
CUMULATIVE ROTATING HRS.

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
	STANDS D.P.		FT.
	SINGLES D.P.		FT.
	D.C. I.D.	O.D.	FT.
	D.C. I.D.	O.D.	FT.
	STB. BODY	O.D.	FT.
	STB. BODY	O.D.	FT.
	RMR. BODY	O.D.	FT.
	SUBS	O.D.	FT.
	BIT OR C.B.		FT.
			FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.		RR12
SIZE		8¾
MFG.		HW
TYPE		XDV
NOZZLE	NO.	3
	SIZE	14
SER. NO.		29251
DEPTH OUT		
DEPTH IN		
TOTAL FTG.		
TOTAL HR. RUN		
COND. OF BIT		
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	2:00	4:00	7:00
WEIGHT	9.9	9.9	9.9
VISC.–SEC	149	168	160
W.L.–C.C.			8.0
FLTR. CK.			3/32
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Caustic	50		
Supercal	1500#		

DRILLER: A B Valenzo

FOOTAGE

FROM	TO	DR.–D RM.–R CORE.–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PAR'EL–P COM'D–C
5286				Lost 5'6"								

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1300	1215	¼	Rig Service / Bops
1215	800	7¾	Cleaning & Ream from 4913 @ 4995
			Hole Sloughing – 30 to 45m drag – Ream last stand in prep. periodically. Trouble until drapcut with Sloughing down. Pumps working. Pump pressure unsteady. Drop survey 30m. Unable to get Kelly bushing back down to table after Comm. after 4th pass @ 4995

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
	STANDS D.P.		FT.
	SINGLES D.P.		FT.
	D.C. I.D.	O.D.	FT.
	D.C. I.D.	O.D.	FT.
	STB. BODY	O.D.	FT.
	STB. BODY	O.D.	FT.
	RMR. BODY	O.D.	FT.
	SUBS	O.D.	FT.
	BIT OR C.B.		FT.
			FT.
	KELLY DOWN	35.19	FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.	RR	12
SIZE		8¾
MFG.		H-W
TYPE		XDV
NOZZLE	NO.	3/14
	SIZE	
SER. NO.		29251
DEPTH OUT		
DEPTH IN		
TOTAL FTG.		
TOTAL HR. RUN		
COND. OF BIT		
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	9:00	12:00	3:00
WEIGHT	9.9	10.0	10.0
VISC.–SEC	240	220	90
W.L.–C.C.			
FLTR. CK.			
PH		10.0	
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
SUPERCAL	1700#		
UNICAL	1200#		

DRILLER: Ray Smith

FOOTAGE

FROM	TO	DR–D RM–R CORE–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PAR'EL–P COM'D–C
5286		RMR			40/60	9/10	1550	5½				
								4				
								14				

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
800	815	¼	Ser. Rig / BOP
815	1500	7¾	CLEANING out Sloughing Shale FROM 4995

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
	STANDS D.P.		FT.
	SINGLES D.P.		FT.
	D.C. I.D.	O.D.	FT.
	D.C. I.D.	O.D.	FT.
	STB. BODY	O.D.	FT.
	STB. BODY	O.D.	FT.
	RMR. BODY	O.D.	FT.
	SUBS	O.D.	FT.
	BIT OR C.B.		FT.
			FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.	RR	12
SIZE		8¾
MFG.		H-W
TYPE		XDV
NOZZLE	NO.	3/14
	SIZE	
SER. NO.		29251
DEPTH OUT		
DEPTH IN		
TOTAL FTG.		
TOTAL HR. RUN		
COND. OF BIT		
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	6:00	7:30
WEIGHT	10.0	10.0
VISC.–SEC	120	190
W.L.–C.C.		
FLTR. CK		
PH	10.0	
SD. CONT. %		
PRESSURE GRADIENT		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
CAUSTIC	50#		
SUPERCAL	1500		

DRILLER: Ron & Doug

FOOTAGE

FROM	TO	DR–D RM–R CORE–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PAR'EL–P COM'D–C
5286												

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
400	415	¼	Ser. Rig / BOP
415	900	4¾	CLEANING
900	1115	2¼	Haul up bit & Dogs Wipers
1115	1130	¼	/ Ream & Sloughing last #17
1130	1200	½	Ream 2m w/ last #17

DAILY DRILLING REPORT

REPORT NO. 56 DATE Feb 9/91

OPERATOR: Mobil Oil Canada Ltd

LEASE: Mobil Kumes Pinto 6-09

WELL NO. 6-09 | FIELD OR DIST. Kumes | COUNTY N.W.T. | STATE

CONTRACTOR: S & T DRILLING (WESTERN) CO. LTD. | RIG NO. 1E

DRILL PIPE STRING: NO. 2 SIZE 4 | TOOL JOINT O.D. 5 | TYPE THD. 3½ IF

SIGNATURE OF OPERATOR'S REPRESENTATIVE: Ron Robichaud

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: A B Galenza

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	N.S.C.O	K380	14
2.	N.S. Co	K380	14
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9⅝		36 K55	21	774	12.00	750	Cemented to surface w/ 465 Sax + 2% CaCl

TIME DISTRIBUTION–HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	7¼	3	
REAMING		3¼	4
CONDITIONING MUD & CIRCULATING			
TRIPS		7½	3¾
LUBRICATE RIG	¼	¼	¼
DEVIATION SURVEY	½		
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
SLIPPING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			
FISHING			
COMPLETION WORK: A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK
HRS. W/DP
HRS. WO/DP
HRS. STANDBY
TOTAL DAY WORK

WIRE LINE RECORD

REEL NO.
NO. OF LINES SIZE
FEET SLIPPED
FEET CUT OFF
PRESENT LENGTH
TON MI. OR TRIPS SINCE LAST CUT
CUMULATIVE TON MI. OR TRIPS
NO. OF DAYS FROM SPUD
CUMULATIVE ROTATING HRS.

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
50	STANDS D.P.	4690.60 FT.
	SINGLES D.P.	FT.
18	D.C. I.D. O.D.	530.93 FT.
	D.C. Monel I.D. O.D.	15.48 FT.
	STB. BODY O.D.	FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
	SUBS Sperry O.D.	6.90 FT.
	BIT OR C.B.	FT.
	Jars	6.90 FT.
	KELLY DOWN	19.19 FT.
	TOTAL	5270.00 FT.

WT. OF STRING 100M LBS.

BIT RECORD

BIT NO.	16
SIZE	8¾
MFG.	HW
TYPE	XSSR
NOZZLE NO.	2¼
NOZZLE SIZE	1/13
SER. NO.	29243
DEPTH OUT	
DEPTH IN	5215
TOTAL FTG.	55
TOTAL HR. RUN	8¾
COND. OF BIT	Run
REAMER NO.	
REAMER TYPE	

MUD RECORD

	2:00	4:00 AM	6:00 AM
TIME			
WEIGHT	9.8	9.8	9.9
VISC.–SEC	98	90	80
W.L.–C.C.			8.0
FLTR. CK.			2/32
PH		8.5	10.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Diesel	10 bbls	CAUSTIC	100#
Pre-Hydrate	1000#	DRISPAC REG	10#
Mineral	300#	SUPER-COL	500#

DRILLER: R T Chaisson

FOOTAGE

FROM	TO	DR–D RM–R CORE–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL–S PAR'EL–P COM'D–C
5235	5270	D		-7° Surf 6'1"	60	30	1550	5½ x 14	65			

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	5260	29							

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	12:15	¼	Rig Service / Repair
12:15	5:30	5¼	Drlg 8¾" hole
5:30	6:00	½	Survey @ 5260 29°
6:00	8:00	2	Drlg 8¾" hole

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
50	STANDS D.P.	4690.60 FT.
	SINGLES D.P.	FT.
1	D.C. Monel I.D. O.D.	15.48 FT.
18	D.C. I.D. O.D.	530.93 FT.
1	STB. BODY O.D.	6.90 FT.
1	STB. BODY O.D.	6.90 FT.
	RMR. BODY O.D.	FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
		FT.
	KELLY DOWN	35.19 FT.
	TOTAL	5286 FT.

WT. OF STRING 100M LBS.

BIT RECORD

BIT NO.	16
SIZE	8¾"
MFG.	H-W
TYPE	XSSR
NOZZLE NO.	2-14
NOZZLE SIZE	1-13
SER. NO.	29743
DEPTH OUT	
DEPTH IN	5215'
TOTAL FTG.	71
TOTAL HR. RUN	17
COND. OF BIT	1-3-I
REAMER NO.	
REAMER TYPE	

MUD RECORD

	10:00 PM	1:00
TIME		
WEIGHT	9.8	9.8
VISC.–SEC	80	80
W.L.–C.C.		
FLTR. CK.		
PH	10.5	10.5
SD. CONT. %		
PRESSURE GRADIENT		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
SUPERCO	650#		
KELZAN	50#		
PLASTER	50#		

DRILLER: Ron Saville

FOOTAGE

FROM	TO	DR–D RM–R CORE–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL–S PAR'EL–P COM'D–C
5270	5286	D			60	30	1550	5½ x 14	69			

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	11:00	3	DRLG.
11:00	11:45	¾	Pull out 6 STAND WIPER TRIP (Hole Tight 45M DRAG)
11:45	12:00	¼	Ser Rig / BOPs
12:00	3:15	3¼	Run in Ream From 4852 To 4915
3:15	4:00	¾	Trip For BIT.

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

STANDS D.P.	FT.
SINGLES D.P.	FT.
D.C. I.D. O.D.	FT.
D.C. I.D. O.D.	FT.
STB. BODY O.D.	FT.
STB. BODY O.D.	FT.
RMR. BODY O.D.	FT.
SUBS O.D.	FT.
BIT OR C.B.	FT.
	FT.
KELLY DOWN	FT.
TOTAL	FT.

WT. OF STRING LBS.

BIT RECORD

BIT NO.	AR 12
SIZE	8¾
MFG.	H-W
TYPE	XDV
NOZZLE NO.	3-14
NOZZLE SIZE	
SER. NO.	29251
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HR. RUN	
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD

	10:00 PM	12:00
TIME		
WEIGHT	9.8	9.8
VISC.–SEC	85	92
W.L.–C.C.		
FLTR. CK		
PH	9.0	
SD. CONT. %		
PRESSURE GRADIENT		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Super Co	500#		
Zantrol	50#		

DRILLER: Ron Saville

FOOTAGE

FROM	TO	DR–D RM–R CORE–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL–S PAR'EL–P COM'D–C
5286												

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	5:30	1½	Trip out
5:30	5:45	¼	Ser Rig / BOPs
5:45	8:00	2¼	Run in.
8:00	12:00	4	Ream to btm from 4880 – 4913

DAILY DRILLING REPORT

REPORT NO. 55 DATE ~~Feb 8/91~~

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
Enfield Oil Canada Ltd	Enfield Hume River L-05	L-09	Hume River		

CONTRACTOR	RIG NO.	DRILL PIPE STRING NO.	DRILL PIPE STRING SIZE	TOOL JOINT O.D.	TYPE THD.
S & T DRILLING (WESTERN) CO. LTD.	1E	2	4"	5"	3½IF

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: A B Halcrow

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	N.S.C.O	K350	14
2.	N.S.C.O	K380	14
3.			

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
	9⅝		36# J55	21	774	12.00	750	Cemented to Surface w/ 465 Sax + 3% Caclz

TIME DISTRIBUTION–HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL			6¼
REAMING	7¾	7¾	¼
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG	¼		
DEVIATION SURVEY			¼
TEST B.O.P.		½	¼
CUT OFF DRILLING LINE			
REPAIR RIG			
WELDING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
HRS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK			
HRS. W/DP			
HRS. WO/DP			
HRS. STANDBY			
TOTAL DAY WORK			

WIRE LINE RECORD

REEL NO.	
NO. OF LINES	SIZE
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
	STANDS D.P.		FT.
	SINGLES D.P.		FT.
	D.C. I.D.	O.D.	FT.
	D.C. I.D.	O.D.	FT.
	STB. BODY	O.D.	FT.
	STB. BODY	O.D.	FT.
	RMR. BODY	O.D.	FT.
	SUBS	O.D.	FT.
	BIT OR C.B.		FT.
			FT.
	KELLY DOWN		FT.
	TOTAL		FT.

WT. OF STRING LBS.

BIT RECORD

BIT NO.	16
SIZE	8¾
MFG.	HW
TYPE	X55R
NOZZLE NO.	2/14
NOZZLE SIZE	1/13
SER. NO.	29743
DEPTH OUT	
DEPTH IN	5215
TOTAL FTG.	
TOTAL HR. RUN	
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME			
WEIGHT			
VISC.–SEC			
W.L.–C.C.			
FL TR. CK.			
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Super Col	20 Sax		
Caustic	50#		

DRILLER A B Halcrow

FOOTAGE

FROM	TO	DR.–D RM.–R CORE.–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PAR'EL–P COM'D–C
5215												

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12⁰⁰	12⁰⁵	¼	Rig Service
12⁰⁵	8⁰⁰	7¾	Cleaning pit from 4920 – 5152

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
49	STANDS D.P.		FT.
	SINGLES D.P.		FT.
18	D.C. 7¾ I.D. 6¼ O.D.	530.93	FT.
1	D.C. Monel I.D.	15.48	FT.
	STB. BODY O.D.		FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
	SUBS O.D.		FT.
	BIT OR C.B.		FT.
1	Wiper	6.90	FT.
	KELLY DOWN		FT.
	TOTAL		FT.

WT. OF STRING LBS.

BIT RECORD

BIT NO.	16
SIZE	8¾"
MFG.	H-W
TYPE	X55R
NOZZLE NO.	2-14
NOZZLE SIZE	1-13
SER. NO.	29743
DEPTH OUT	
DEPTH IN	5215
TOTAL FTG.	
TOTAL HR. RUN	
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	9⁰⁰	12⁰⁰	3⁰⁰
WEIGHT	9.7	9.7	9.8
VISC.–SEC	120	118	116
W.L.–C.C.			
FL TR. CK.			
PH	9.5	9.0	9.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Super Col	1400#		
Caustic	50#		

DRILLER Ron Snell

FOOTAGE

FROM	TO	DR.–D RM.–R CORE.–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PAR'EL–P COM'D–C
5215		R			80/60		1500	5½ X 14	69			

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8⁰⁰	8¹⁵	¼	Ser. Rig ✓ BOPs
8¹⁵	4⁰⁰	7¾	CLEANING To Bottom From 5152 To 5200'

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
49	STANDS D.P.	1605.04	FT.
2	SINGLES D.P.	46.64	FT.
18	D.C. 7¾ I.D. 6¼ O.D.	530.93	FT.
1	D.C. Monel I.D.	15.48	FT.
	STB. BODY O.D.		FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
	SUBS O.D.	6.90	FT.
	BIT OR C.B.		FT.
	Wiper	6.90	FT.
	KELLY DOWN	15.75	FT.
	TOTAL	5335.00	FT.

WT. OF STRING 100/A LBS.

BIT RECORD

BIT NO.	16
SIZE	8¾
MFG.	H-W
TYPE	X55R
NOZZLE NO.	2-14
NOZZLE SIZE	1-13
SER. NO.	29743
DEPTH OUT	
DEPTH IN	5215
TOTAL FTG.	20
TOTAL HR. RUN	6¾
COND. OF BIT	Dull
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	5⁰⁰	8⁰⁰	11⁰⁰
WEIGHT	9.8	9.8	9.9
VISC.–SEC	116	120	115
W.L.–C.C.		9.0	9.0
FL TR. CK		2/32	2/32
PH	9.0	9.0	9.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER Ron & Doug

FOOTAGE

FROM	TO	DR.–D RM.–R CORE.–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PAR'EL–P COM'D–C
5215	5235	R			60	30	500	5½ X 14	69			

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	5228	32°							

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4⁰⁰	4¹⁵	¼	Ser. Rig ✓ BOPs
4¹⁵	4⁴⁵	½	CLEANING To Bottom From 5200 To 5215'
4⁴⁵	9⁰⁰	4¼	DRLG. 8¾ hole
9⁰⁰	9³⁰	½	Survey @ 5228 30°
9³⁰	12⁰⁰	2½	Drlg 8¾ hole

DAILY DRILLING REPORT

REPORT NO. 54 DATE Feb 17/51

OPERATOR: Imperial Oil Canada Ltd
LEASE: Imperial Home River L-09
WELL NO. L-09
FIELD OR DIST. Home River
COUNTY N. W. T
STATE

CONTRACTOR: S & T DRILLING (WESTERN) CO. LTD.
RIG NO. 1E
DRILL PIPE STRING NO. 2 SIZE 4
TOOL JOINT O.D. 5"
TYPE THD. 3½ IF

SIGNATURE OF OPERATOR'S REPRESENTATIVE
SIGNATURE OF CONTRACTOR'S TOOL PUSHER

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	N.SCO	K350	14
2.	N.SCO	K350	14
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9⅝		36 J55	21	774	12.00	750	Cemented to Surf w/465 Sxs +2.5% Calc.

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL			
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG			
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
WELDING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS			

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK	
HRS. W/DP	
HRS. W/O DP	
HRS. STANDBY	
TOTAL DAY WORK	

WIRE LINE RECORD

REEL NO.	
NO. OF LINES	SIZE
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.

STANDS D.P.		FT.
SINGLES D.P.		FT.
D.C. I.D.	O.D.	FT.
D.C. I.D.	O.D.	FT.
STB. BODY	O.D.	FT.
STB. BODY	O.D.	FT.
RMR. BODY	O.D.	FT.
SUBS	O.D.	FT.
BIT OR C.B.		FT.
		FT.
KELLY DOWN		FT.
TOTAL		FT.
WT. OF STRING		LBS.

BIT RECORD

BIT NO.		16
SIZE		8¾
MFG.		HW
TYPE		X55R
NOZZLE	NO.	3/14
	SIZE	1/13
SER. NO.		29743
DEPTH OUT		
DEPTH IN		5215
TOTAL FTG.		
TOTAL HR. RUN		
COND. OF BIT		
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME			
WEIGHT			
VISC.-SEC			
W.L.-C.C.			
FL TR. CK.			
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: P. McInnis

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
5215				-8°								

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12⁰⁰	12¹⁵	¼	Rig Service / BOPs
12¹⁵	2³⁰	2¼	Hoist stabilizers packed hole assembly 3 Exchange Jars
2³⁰	2⁴⁵	¼	TIH 3 Stabilizers Bit #16
2⁴⁵	3⁰⁰	¼	Slip 23' Drlg Line
3⁰⁰	4³⁰	1½	Ream 3' Bit #16
4³⁰	8⁰⁰	3½	Cleaning to Btm from 4750-4800

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.

STANDS D.P.		FT.
SINGLES D.P.		FT.
D.C. I.D.	O.D.	FT.
D.C. I.D.	O.D.	FT.
STB. BODY	O.D.	FT.
STB. BODY	O.D.	FT.
RMR. BODY	O.D.	FT.
SUBS	O.D.	FT.
BIT OR C.B.		FT.
		FT.
KELLY DOWN		FT.
TOTAL		FT.
WT. OF STRING		LBS.

BIT RECORD

BIT NO.		16
SIZE		8¾
MFG.		(4-C)
TYPE		X55R
NOZZLE	NO.	2-14
	SIZE	1-13
SER. NO.		29743
DEPTH OUT		
DEPTH IN		5215
TOTAL FTG.		
TOTAL HR. RUN		
COND. OF BIT		
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	9⁰⁰	10⁰⁰	3⁰⁰
WEIGHT	9.5	9.6	9.6
VISC.-SEC	4/16	71	70
W.L.-C.C.			10.2
FL TR. CK.			3/32
PH	9.5	9.5	9.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
CAUSTIC	150#		
Drilling	20#		
SUPER Col	250#		

DRILLER: Ron Smith

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
5215												

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8⁰⁰	8¹⁵	¼	Rig Ser. / BOPs
8¹⁵			CLEANING To Bottom From 4800'-4825

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.

STANDS D.P.		FT.
SINGLES D.P.		FT.
D.C. I.D.	O.D.	FT.
D.C. I.D.	O.D.	FT.
STB. BODY	O.D.	FT.
STB. BODY	O.D.	FT.
RMR. BODY	O.D.	FT.
SUBS	O.D.	FT.
BIT OR C.B.		FT.
		FT.
KELLY DOWN		FT.
TOTAL		FT.
WT. OF STRING		LBS.

BIT RECORD

BIT NO.		
SIZE		
MFG.		
TYPE		
NOZZLE	NO.	
	SIZE	
SER. NO.		
DEPTH OUT		
DEPTH IN		
TOTAL FTG.		
TOTAL HR. RUN		
COND. OF BIT		
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	5⁰⁰	7⁰⁰	11⁰⁰
WEIGHT	9.6	9.7	9.7
VISC.-SEC	150+	150+	150+
W.L.-C.C.			
FL TR. CK			
PH	9.5		
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
CAUSTIC	50#		
SUPER Col	1000#		

DRILLER: Ron / Gary

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4⁰⁰	4¹⁵	¼	Rig Service / Bops
4¹⁵	12⁰⁰	7¾	Cleaning to btm from 4825 - 4920

DAILY DRILLING REPORT

REPORT NO. 53 DATE Jan 6/71

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
Mobil Oil Canada Ltd	Mobil Home Rivers L-09	1-09	Home Rivers	N.W.T	

CONTRACTOR	RIG NO.	DRILL PIPE STRING NO.	DRILL PIPE STRING SIZE	TOOL JOINT O.D.	TYPE THD.
S & T DRILLING (WESTERN) CO. LTD.	1E	2	4"	5"	3½IF

SIGNATURE OF OPERATOR'S REPRESENTATIVE: Rentals

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: A Blakeley

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	N.S.CO	K380	14
2.	N.S.CO	K380	14
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9⅝		36# J55	21	774	12.00	750	Cemented w/465 sks +2.5% CaCl2 To Surface

TIME DISTRIBUTION–HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	7¼	½	
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG	¼		
DEVIATION SURVEY	½		
TEST B.O.P.		1½	
CUT OFF DRILLING LINE			
REPAIR RIG			
RIGGING			
WIRELINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK	
HRS. W/DP	
HRS. WO/DP	
HRS. STANDBY	
TOTAL DAY WORK	

WIRE LINE RECORD

REEL NO.	
NO. OF LINES	SIZE
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
49	STANDS D.P.	4597.76	FT.
	SINGLES D.P.		FT.
18	D.C. 7¼ I.D. 2¼ O.D.	530.93	FT.
	D.C. Monel I.D. O.D.	15.48	FT.
	STB. BODY O.D.		FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
	SUBS Jars O.D.	6.90	FT.
	BIT OR C.B. Bumper	6.90	FT.
	PHA	16.15	FT.
	KELLY DOWN	35.88	FT.
	TOTAL	5210.00	FT.
WT. OF STRING	96M		LBS.

BIT RECORD

BIT NO.	RR #10	
SIZE	8¾	
MFG.	HW	
TYPE	J44	
NOZZLE NO.	2/14	
NOZZLE SIZE	1/12	
SER. NO.	Em271	
DEPTH OUT		
DEPTH IN	4732	
TOTAL FTG.	478	
TOTAL HR. RUN	72½	
COND. OF BIT	Rerun	
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	1⁰⁰	4⁰⁰	7⁰⁰
WEIGHT	9.4	9.3	9.3
VISC.–SEC	40	41	41
W.L.–C.C.			11.0
FLTR. CK.			2/32
PH			9.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Diesel	55 bbls		
pro Magic	55 lbs		

DRILLER: D.L. Simmons

FOOTAGE

FROM	TO	DR.D RM.R CORE.C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL–S PAR'EL–P COM'D–C
5166	5210	D		– 14°	60	25	1225	5½	69			
					60	30		x				
								14				

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	5183	31½							

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12⁰⁰	3¹⁵	3¼	Drlg 8¾" hole
3¹⁵	3³⁰	¼	Rig Service, Bop's, Kelly Cock
3³⁰	4⁰⁰	½	Survey @ 5183 31½°
4⁰⁰	8⁰⁰	4	Drlg 8¾" hole

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
49	STANDS D.P.	4597.76	FT.
1	SINGLES D.P.	31.69	FT.
1	D.C. Monel I.D. O.D.	15.48	FT.
18	D.C. I.D. O.D.	530.93	FT.
1	STB. BODY O.D. JAR	6.90	FT.
1	STB. BODY O.D. 1 pce	6.90	FT.
	RMR. BODY O.D.		FT.
	SUBS O.D.		FT.
	BIT OR C.B.		FT.
PHA		16.15	FT.
	KELLY DOWN	9.19	FT.
	TOTAL	5215.00	FT.
WT. OF STRING	96M		LBS.

BIT RECORD

BIT NO.	RR 10	
SIZE	8¾	
MFG.	H-W	
TYPE	T-111	
NOZZLE NO.	2-14	
NOZZLE SIZE	1-12	
SER. NO.	Em271	
DEPTH OUT	5215	
DEPTH IN	4732	
TOTAL FTG.	483	
TOTAL HR. RUN	73	
COND. OF BIT	2-2-1	
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME			
WEIGHT			
VISC.–SEC			
W.L.–C.C.			
FLTR. CK.			
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: Ron Savill

FOOTAGE

FROM	TO	DR–D RM–R CORE–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL–S PAR'EL–P COM'D–C
5210'	5215	D			60	30	1300	5½	69			S
								x				
								14				

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8⁰⁰	8³⁰	½	DR26. 8¾" hole
8³⁰	8⁴⁵	¼	Sca. Rig & BOPs
8⁴⁵	4⁰⁰	7¼	Pull out hole Tight Pumped 9 singles & Work. Stuck Pipe 30M DRAG ON PIPE

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
	STANDS D.P.		FT.
	SINGLES D.P.		FT.
	D.C. I.D. O.D.		FT.
	D.C. I.D. O.D.		FT.
	STB. BODY O.D.		FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
	SUBS O.D.		FT.
	BIT OR C.B.		FT.
			FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.		
SIZE		
MFG.		
TYPE		
NOZZLE NO.		
NOZZLE SIZE		
SER. NO.		
DEPTH OUT		
DEPTH IN		
TOTAL FTG.		
TOTAL HR. RUN		
COND. OF BIT		
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME		10⁰⁰	12⁰⁰
WEIGHT		9.3	9.5
VISC.–SEC		46	58
W.L.–C.C.			8.5
FLTR. CK			2/32
PH			9.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Kelzan	150#	Gyptrol	50#
Soda Ash	450#		
Plastic	150#		

DRILLER: Lou & Harry

FOOTAGE

FROM	TO	DR–D RM–R CORE–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL–S PAR'EL–P COM'D–C
5215												

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4⁰⁰	6⁰⁰	2	Pumped out 6 SINGLES
6⁰⁰	8⁰⁰	2	CIRC hole CLEAN
8⁰⁰	12⁰⁰	4	Circ to Cond Mud & hole

KODAK SAFETY FILM

DAILY DRILLING REPORT

REPORT NO. 52 DATE Feb 5/71

OPERATOR: Mobil Oil Canada Ltd
LEASE: Mobil Hume River L-09
WELL NO. L-09 FIELD OR DIST. Hume River
COUNTY: N.W.T STATE:
CONTRACTOR: S & T DRILLING (WESTERN) CO. LTD. RIG NO. 1E
DRILL PIPE STRING NO. 2 SIZE 4 TOOL JOINT 5" O.D. TYPE THD. 3½IF
SIGNATURE OF OPERATOR'S REPRESENTATIVE: [signature]
SIGNATURE OF CONTRACTOR'S TOOL PUSHER: [signature]

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	N.S.C.O	K380	14
2.	N.S.C.O	K380	14
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9⅝		36# J55	21	774	1200	750	Cemented to Surf. w/465 Sacks + 2.5% CaCl2

TIME DISTRIBUTION–HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	9¾	11½	2¼
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG	¼		¼
DEVIATION SURVEY		½	
TEST B.O.P.		½	
CUT OFF DRILLING LINE			
REPAIR RIG			
SLIPPING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			
FISHING			
COMPLETION WORK: A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK	
HRS. W/DP	
HRS. WO/DP	
HRS. STANDBY	
TOTAL DAY WORK	

WIRE LINE RECORD

REEL NO.	
NO. OF LINES	SIZE
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
47	STANDS D.P.	4408.83 FT.
2	SINGLES D.P.	62.97 FT.
	D.C.	
18 2¼	I.D. 1¼ O.D.	530.93 FT.
	D.C. Monel	
	I.D. O.D.	15.48 FT.
	STB. BODY O.D.	FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
	SUBS	
	Sleeve O.D.	6.90 FT.
	Float SUB C.B.	6.90 FT.
	P.H.A	16.15 FT.
	KELLY DOWN	15.84 FT.
	TOTAL	5044.00 FT.
WT. OF STRING	96M	LBS.

BIT RECORD

BIT NO.	RR#10
SIZE	8¾
MFG.	Hu
TYPE	J44
NOZZLE NO.	2/14
NOZZLE SIZE	1/12
SER. NO.	Cm271
DEPTH OUT	
DEPTH IN	4732'
TOTAL FTG.	332'
TOTAL HR. RUN	50
COND. OF BIT	Run
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	100	400	700
WEIGHT	9.4	9.4	9.4
VISC.-SEC	46	42	41
W.L.-C.C.			16.8
FL.TR. CK.			2/32
PH	9.5	9.5	9.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gleatex	50#		
Kelzan	80#		

DRILLER: BJ Clemens

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL.-P COM'D-C
5026	5064	D		-37°	60	25	1225	5½		5½		S
								X		X		
								14		14		

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12⁰⁰	12¹⁵	¼	Rig Service ; ✓ Bops ; Kelly Cock
12¹⁵	8⁰⁰	7¾	Drlg 8¾" hole

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
48	STANDS D.P.	4503.35 FT.
	SINGLES D.P.	FT.
	D.C.	
18 3 2¼	I.D. 1¼ O.D.	530.93 FT.
	D.C. Monel	
	I.D. O.D.	15.48 FT.
1	STB. BODY O.D.	6.90 FT.
1	STB. BODY O.D.	6.90 FT.
	RMR. BODY O.D.	FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
PHA		16.15 FT.
	KELLY DOWN	33.29 FT.
	TOTAL	5113.00 FT.
WT. OF STRING	96M	LBS.

BIT RECORD

BIT NO.	RR# 10
SIZE	8¾"
MFG.	H-W
TYPE	J-44
NOZZLE NO.	2/14
NOZZLE SIZE	1-12
SER. NO.	Cm271
DEPTH OUT	
DEPTH IN	4732
TOTAL FTG.	381'
TOTAL HR. RUN	57½
COND. OF BIT	Run
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	900	1200	300
WEIGHT	9.4	9.4	
VISC.-SEC	41	42	
W.L.-C.C.	17.0		
FL.TR. CK.	2/32		
PH	9.0	9.0	
SD. CONT. %	.3		
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
KELZAN	20#		
SUPER CAL	150#		
2/ASTAB	50#		

DRILLER: Ron Sevill

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL.-P COM'D-C
5064	5113	D			60	25	1225	5½	69			S
								X				
								14				

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	5089	32 3/4°							

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8⁰⁰	12¹⁵	4¼	DRLG. 8¾" hole
12¹⁵	12³⁰	¼	Survey @ 5089'
12³⁰	12⁴⁵	¼	Ser. Rig ✓ B.O.P. & Kelly Cock.
12⁴⁵	4⁰⁰	3¼	DRLG. 8¾" hole

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
48	STANDS D.P.	4503.35 FT.
2	SINGLES D.P.	63.05 FT.
	D.C.	
18 3 2¼	I.D. 1¼ O.D.	530.93 FT.
	D.C. Monel	
	I.D. O.D.	15.48 FT.
1	STB. Sleeve BODY O.D.	6.90 FT.
1	STB. BODY O.D.	6.90 FT.
	RMR. BODY O.D.	FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
PHA.		16.15 FT.
	KELLY DOWN	33.24 FT.
	TOTAL	5166.05 T.
WT. OF STRING	96M	LBS.

BIT RECORD

BIT NO.	RR# 10
SIZE	8¾"
MFG.	H-W
TYPE	J-44
NOZZLE NO.	2-14
NOZZLE SIZE	1-12
SER. NO.	Cm271
DEPTH OUT	
DEPTH IN	4732
TOTAL FTG.	
TOTAL HR. RUN	65¾
COND. OF BIT	Run
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	500	800	1100
WEIGHT	9.4	9.4	9.4
VISC.-SEC	41	40	40
W.L.-C.C.			16.6
FL.TR. CK			2/32
PH			9.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: Ron ; Doug

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL.-P COM'D-C
5113	5166	D			60	25	1225	5½	69			S
								X				
								14				

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4⁰⁰	5⁰⁰	1	DRLG 8¾" hole
5⁰⁰	5¹⁵	¼	Ser. Rig ✓ B.O.P.
5¹⁵	12⁰⁰	6¾	DRLG. 8¾" hole

DAILY DRILLING REPORT

REPORT NO. 51 DATE FEB 4/71

OPERATOR: Mobil Oil Canada Ltd
LEASE: Mobil Hume Pines
WELL NO.: I-09
FIELD OR DIST.: Hume Pines
COUNTY: N.W.T
STATE:
CONTRACTOR: S & T DRILLING (WESTERN) CO. LTD.
RIG NO.: 1E
DRILL PIPE STRING NO.: 2 SIZE: 4
TOOL JOINT O.D.: 5"
TYPE THD.: 3½ IF

SIGNATURE OF OPERATOR'S REPRESENTATIVE:
SIGNATURE OF CONTRACTOR'S TOOL PUSHER: A. STACK

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NSCO	K380	14
2.	NSCO	K380	14
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9⅝		36 J55	21	774	1200	750	Cemented to Surf w/ 465 sax + 2.5% CaCl2

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	6¾	7¾	7¼
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG	¼		¼
DEVIATION SURVEY	½		½
TEST B.O.P.		¾	
CUT OFF DRILLING LINE			
REPAIR RIG			
WIRING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER	½		
FISHING			
COMPLETION WORK: A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK			
HRS. W/DP			
HRS. WO/DP			
HRS. STANDBY			
TOTAL DAY WORK			

WIRE LINE RECORD

REEL NO.
NO. OF LINES 8 SIZE 5/16
FEET SLIPPED
FEET CUT OFF
PRESENT LENGTH
TON MI. OR TRIPS SINCE LAST CUT
CUMULATIVE TON MI. OR TRIPS
NO. OF DAYS FROM SPUD
CUMULATIVE ROTATING HRS.

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
46	STANDS D.P.	4315.81 FT.
1	SINGLES D.P.	31.57 FT.
	D.C. Monel I.D. O.D.	15.48 FT.
18	D.C. 2¼ I.D. 6¼ O.D.	530.93 FT.
	STB. BODY O.D.	6.90 FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	6.90 FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
	PHA	16.15 FT.
	KELLY DOWN	21.26 FT.
	TOTAL	4945.00 FT.
WT. OF STRING	95M	LBS.

BIT RECORD

BIT NO.		RR10
SIZE		8¾
MFG.		HW
TYPE		J44
NOZZLE	NO.	2/14
	SIZE	1/12
SER. NO.		Cm271
DEPTH OUT		
DEPTH IN		4732
TOTAL FTG.		213'
TOTAL HR. RUN		27¼
COND. OF BIT		Run
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	3. AM	6. AM.	9. AM.
WEIGHT	9.2	9.3	9.3
VISC.-SEC	44	46	46
W.L.-C.C.		16.6	
FLTR. CK.		2/32	
PH	9.5	9.0	
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
BLASTEX	100#		
SUPER-CAL	150#		
KELZAN	50#		

DRILLER: D. Gilmour

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGLE PAR'EL-P COMP'D-C
4893	4945	D		44° Below	60	30	1200	5½ x 14	69	5½ x 14		S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
4901	32°							

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12⁰⁰	1⁰⁰	1	Drlg 8¾" hole
1⁰⁰	1¹⁵	¼	Rig Service, ✓ BOP's & Kelly cock
1¹⁵	1⁴⁵	½	Work Tight Conn.
1⁴⁵	2¹⁵	½	Survey @ 4901 32°
2¹⁵	8⁰⁰	5¾	Drlg 8¾" hole

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
47/46	STANDS D.P.	4388.82 FT.
2	SINGLES D.P.	82.82 FT.
	D.C.	
18	2¼ I.D. 6¼ O.D.	530.93 FT.
	D.C. Monel I.D. O.D.	15.48 FT.
1	STB. Taper BODY O.D.	6.90 FT.
1	STB. Taper BODY O.D.	6.90 FT.
	RMR. BODY O.D.	FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
	PHA	16.15 FT.
	KELLY DOWN	35.01 FT.
	TOTAL	4990.00 FT.
WT. OF STRING	95M	LBS.

BIT RECORD

BIT NO.		RR#10
SIZE		8 3/4
MFG.		H-W
TYPE		J-44
NOZZLE	NO.	2-14
	SIZE	1-12
SER. NO.		Cm271
DEPTH OUT		
DEPTH IN		4732
TOTAL FTG.		258'
TOTAL HR. RUN		35
COND. OF BIT		Run
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	9⁰⁰	12⁰⁰	3⁰⁰
WEIGHT	9.4	9.4	9.4
VISC.-SEC	44	45	44
W.L.-C.C.	17.7		
FLTR. CK.	2/32		
PH	9.0	9.0	9.0
SD. CONT. %	3		
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: Ron Smith

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGLE PAR'EL-P COMP'D-C
4945	4990	D			60	30	1200	5½ x 14	69	5½ x 14		S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8⁰⁰	10⁴⁵	2¾	DRLG. 8¾" hole
10⁴⁵	11⁰⁰	¼	Ser. Rig ✓ B.O.P.s & Kelly Cock.
11⁰⁰	4⁰⁰	5	DRLG.

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
47	STANDS D.P.	4408.82 FT.
	SINGLES D.P.	FT.
	D.C.	
18	2¼ I.D. 6¼ O.D.	530.93 FT.
	D.C. Monel I.D. O.D.	15.48 FT.
	STB. Taper BODY O.D.	6.90 FT.
	STB. Taper BODY O.D.	6.90 FT.
	RMR. BODY O.D.	FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
	P.H.A.	16.95 FT.
	KELLY DOWN	41.00 FT.
	TOTAL	5026.00 FT.
WT. OF STRING	95M	LBS.

BIT RECORD

BIT NO.		RR 10
SIZE		8¾
MFG.		H-W
TYPE		J-44
NOZZLE	NO.	2-14
	SIZE	1-12
SER. NO.		Cm271
DEPTH OUT		
DEPTH IN		4732
TOTAL FTG.		294'
TOTAL HR. RUN		42¼
COND. OF BIT		Run
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	7⁰⁰	9 P.M.	11⁰⁰
WEIGHT	9.3	9.4	9.4
VISC.-SEC	43	41	41
W.L.-C.C.		15.8	
FLTR. CK		2/32	
PH	9.0	8.5	
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Caustic	160#		

DRILLER: Ron Smith

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGLE PAR'EL-P COMP'D-C
4990'	5026	D			60	30	1200	5½ x 14	69			
						25						

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
4995	32¼°							

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4⁰⁰	5⁰⁰	1	DRLG.
5⁰⁰	5³⁰	½	Survey @ 4995
5³⁰	5⁴⁵	¼	Ser. Rig ✓ BOPs
5⁴⁵	12⁰⁰	6¼	DRLG.

DAILY DRILLING REPORT

REPORT NO. 50 DATE Feb 3/71

OPERATOR: Mobil Oil Canada Ltd

LEASE: Mobil Home Rapids L-09

WELL NO. L-09 | FIELD OR DIST. Home Rapids | COUNTY N.W.T | STATE

CONTRACTOR: S & T DRILLING (WESTERN) CO. LTD. | RIG NO. 1E

DRILL PIPE STRING: NO. 2 SIZE 4 | TOOL JOINT: TYPE THD. 3½ IF | O.D. 5"

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: A. STACK

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	N.S.CO	K380	14
2.	N.S.CO	K380	14
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9⅝		36# J-55	21	774	1200	750	Cmt to Surface w/465 Sax + 2% CaCl2

TIME DISTRIBUTION–HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	6¾	4½	7¼
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG	¼		
DEVIATION SURVEY		½	
TEST B.O.P.		¼	¼
CUT OFF DRILLING LINE			
REPAIR RIG			
WORKING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER	1	2¾	½
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK	
HRS. W/DP	
HRS. WO/DP	
HRS. STANDBY	
TOTAL DAY WORK	

WIRE LINE RECORD

REEL NO.	
NO. OF LINES	SIZE
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
44	STANDS D.P.	4123.58	FT.
2	SINGLES D.P.	63.54	FT.
	D.C. Monel I.D. O.D.	15.48	FT.
18	D.C. 2¼ I.D. 6½ O.D.	530.93	FT.
	STB. BODY O.D.		FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.	6.90	FT.
	SUBS Sigma O.D.	6.90	FT.
	BIT OR C.B.		FT.
1	HA	16.15	FT.
	KELLY DOWN	34.02	FT.
	TOTAL	4800.00	FT.
WT. OF STRING	94M	LBS.	

BIT RECORD

BIT NO.	RR10	
SIZE	8¾	
MFG.	HW	
TYPE	J44	
NOZZLE NO.	2/14	
NOZZLE SIZE	1/12	
SER. NO.	Cm221	
DEPTH OUT		
DEPTH IN	4732	
TOTAL FTG.	68'	
TOTAL HR. RUN	9¾	
COND. OF BIT	Run	
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	2 AM	4 AM	7 AM
WEIGHT	9.1+	9.1+	9.2
VISC.-SEC	40	42	40
W.L.-C.C.	16.0		16.4
FLTR. CK.	2/32		2/32
PH	9.0	8.5	9.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
KELZAN	50#	CAUSTIC	50#
SUPR-COL	250#	DOWICIDE	10#
BLASTER	100#		

DRILLER

FOOTAGE

FROM	TO	DR.D RM.R CORE.C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL-S PAR'EL-P COM'D-C
4743	4800				60	30	1100	5¼		5½	69	S
								X		X		
								14		14		

DEVIATION RECORD: DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12⁰⁰	12¹⁵	¼	Rig Service ✓ Boost ✓ Kelly cocks
12¹⁵	3¹⁵	3	Drlg 8¾" hole
3¹⁵	4¹⁵	1	Work tight hole
4¹⁵	8⁰⁰	3¾	Drlg 8¾" hole

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
45	STANDS D.P.	4219.17	FT.
	SINGLES D.P.		FT.
	D.C.		
18	2¼ I.D. 6½ O.D.	530.93	FT.
1	D.C. Monel I.D. O.D.	15.48	FT.
1	STB. BODY O.D.	6.90	FT.
1	STB. BODY O.D.	6.90	FT.
	RMR. BODY O.D.		FT.
	SUBS O.D.		FT.
	BIT OR C.B.		FT.
1	HA	16.15	FT.
	KELLY DOWN	41.00	FT.
	TOTAL	4838.00	FT.
WT. OF STRING		LBS.	

BIT RECORD

BIT NO.	RR#	10
SIZE		8¾"
MFG.		H-W
TYPE		J-44
NOZZLE NO.		2-14
NOZZLE SIZE		1-12
SER. NO.		Cm271
DEPTH OUT		
DEPTH IN		4732
TOTAL FTG.		106
TOTAL HR. RUN		13¼
COND. OF BIT		Run
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	9⁰⁰	12⁰⁰	3⁰⁰
WEIGHT	9.2	9.2	9.2
VISC.-SEC	40	40	42
W.L.-C.C.			
FLTR. CK.			
PH	9.0	9.0	9.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
CAUSTIC	100#		
KELZAN	100#		

DRILLER Ron Savill

FOOTAGE

FROM	TO	DR.D RM.R CORE.C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL-S PAR'EL-P COM'D-C
4800'	4838'	D			60	30	1050			5½	69	S
										X		
										14"		

DEVIATION RECORD: DEPTH 4806 | DEV. 3¼° | DIRECTION | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8⁰⁰	8⁴⁵	¾	DRLG. 8¾" hole
8⁴⁵	11³⁰	2¾	Work Tight Conn.
11³⁰	11⁴⁵	¼	See Rig ✓ B.O.P.s
11⁴⁵	3³⁰	3¾	DRLG.
3³⁰	4⁰⁰	½	Survey @ 4806

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
45	STANDS D.P.	4219.17	FT.
2	SINGLES D.P.	63.54	FT.
18	D.C. 2¼ I.D. 6½ O.D.	530.93	FT.
	D.C. Monel I.D. O.D.	15.48	FT.
	STB. BODY O.D.	6.90	FT.
	STB. BODY O.D.	6.90	FT.
	RMR. BODY O.D.		FT.
	SUBS O.D.		FT.
	BIT OR C.B.		FT.
1	HA	16.15	FT.
	KELLY DOWN	32.39	FT.
	TOTAL	4893.00	FT.
WT. OF STRING	95M	LBS.	

BIT RECORD

BIT NO.	RR#	10
SIZE		8¾
MFG.		H-W
TYPE		J-44
NOZZLE NO.		2-14
NOZZLE SIZE		1-12
SER. NO.		Cm271
DEPTH OUT		
DEPTH IN		4732
TOTAL FTG.		161'
TOTAL HR. RUN		20½
COND. OF BIT		Run
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	7 PM	9 PM	11 PM
WEIGHT	9.2	9.2	9.2
VISC.-SEC	43	42	45
W.L.-C.C.			17.0
FLTR. CK			2/32
PH	9.5	9.0	9.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
CAUSTIC	150#	Kelzan	100#
UNI CAL	50#	Bypass	100#
DOWICIDE	10#		

DRILLER Ron ? Guy

FOOTAGE

FROM	TO	DR.D RM.R CORE.C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL-S PAR'EL-P COM'D-C
4838	4893	D			60	30	1200			5½	69	
										X		
										14		

DEVIATION RECORD: DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4100	4345	¼	Work Tight Connection
4345	12⁰⁰	¼	See Rig ✓ B.O.P.s
12⁰⁰	1200	12	Drlg

DAILY DRILLING REPORT

REPORT NO. 49 DATE Feb 24/71

OPERATOR: Mobil Oil Canada Ltd

LEASE: Mobil Home Rivers L-09

WELL NO.: L-09

FIELD OR DIST.: Home River

COUNTY: N.W.T

STATE:

CONTRACTOR: S & T DRILLING (WESTERN) CO. LTD.

RIG NO.: 1E

DRILL PIPE STRING: NO. 2 SIZE 4 TYPE THD. 3½ IF

TOOL JOINT: 5" O.D.

SIGNATURE OF OPERATOR'S REPRESENTATIVE: Dennis C Moen

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: A STACK

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	N.S.CO	K380	14
2.	N.S.CO	K380	14
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9⅝		36 J55	21	774	1200	750	Cemented to Surface w/
							465 sax + 2% Gel

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	7¾	7¼	
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE R'G	¼		
DEVIATION SURVEY		¾	
TEST B.O.P.		¼	
CUT OFF DRILLING LINE			
REPAIR RIG			
WELDING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8½	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK	
HRS. W/DP	
HRS. WO/DP	
HRS. STANDBY	
TOTAL DAY WORK	

WIRE LINE RECORD

REEL NO.	
NO. OF LINES	SIZE
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
43	STANDS D.P.	4019 FT.
2	SINGLES D.P.	40.92 FT.
18	D.C. 2¼ I.D. 6¼ O.D.	530.93 FT.
1	D.C. Monel I.D. O.D.	15.48 FT.
1	STB. BODY Gauge O.D.	6.90 FT.
1	STB. BODY Spiral O.D.	6.90 FT.
	RMR. BODY O.D.	FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
1	DHA	16.15 FT.
1	KELLY DOWN	18.15 FT.
	TOTAL	4687.00 FT.

WT. OF STRING: 92 M LBS.

BIT RECORD

BIT NO.	15
SIZE	8¾
MFG.	HW
TYPE	X55R
NOZZLE NO.	2/13
NOZZLE SIZE	1/14
SER. NO.	29641
DEPTH OUT	
DEPTH IN	4243
TOTAL FTG.	444
TOTAL HR. RUN	71¾
COND. OF BIT	Run
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	2 AM.	5 AM.	9 AM.
WEIGHT	9.2	9.2	
VISC.-SEC	40	39	
W.L.-C.C.	16.4	16.9	
FL.TR. CK.	3/32	3/32	
PH	9.5	9.5	
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
SUPER-COL	250#	DOWICIDE	10 P
KELZAN	50#	BLASTER	50#
CAUSTIC	100#		

DRILLER: M. Allison

FOOTAGE

FROM	TO	DR.D RM.R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.—S PAR'EL—P COM'D—C
4641	4687	D			60	30	1150	5½		5½	69	S
								X		X		
								14		14		

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1200	100	1	Drlg 8¾" hole
100	115	¼	Rig Service / Boys
115	800	6¾	Drlg 8¾" hole

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
44	STANDS D.P.	4123.88 FT.
	SINGLES D.P.	FT.
18	D.C. 2¼ I.D. 6¼ O.D.	530.93 FT.
1	D.C. Monel I.D. O.D.	15.48 FT.
1	STB. BODY Gauge O.D.	6.90 FT.
1	STB. BODY Spiral O.D.	6.90 FT.
	RMR. BODY O.D.	FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
1	DHAs.	16.15 FT.
	KELLY DOWN	29.76 FT.
	TOTAL	4730.00 FT.

WT. OF STRING: 92M LBS.

BIT RECORD

BIT NO.	15
SIZE	8¾
MFG.	H-W
TYPE	X55R
NOZZLE NO.	2-13
NOZZLE SIZE	1-14
SER. NO	29641
DEPTH OUT	
DEPTH IN	4243
TOTAL FTG.	487
TOTAL HR. RUN	79
COND. OF BIT	Run
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	9 AM.	12 NOON	3:00 P.M.
WEIGHT	9.2	9.2	9.2
VISC.-SEC	40	29	39
W.L.-C.C.			
FL.TR. CK.			
PH	9.0	9.5	9.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Kelzan	50#	CAUSTIC	50#
Super Col.	250#	Dowicide	10#
Blaster	100#		

DRILLER: Ron Snell

FOOTAGE

FROM	TO	DR.D RM.R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.—S PAR'EL—P COM'D—C
4687	4730	D			60	30	1150			5½	69	S
										X		
										14		

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	4709	30 ¼							

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
800	1130	3½	DRLG 8¾ hole
1130	1200	½	Survey @ 4709
1200	1215	¼	Ser. Rig ✓ BOP's Kelly Cock
1215	400	3¾	DRLG

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
44	STANDS D.P.	4223.88 FT.
	SINGLES D.P.	FT.
18	D.C. 2¼ I.D. 6¼ O.D.	530.93 FT.
1	D.C. Monel I.D. O.D.	15.48 FT.
1	STB. BODY Gauge O.D.	6.90 FT.
1	STB. BODY O.D.	6.90 FT.
	RMR. BODY Spiral O.D.	FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
1	DHA	16.15 FT.
1	KELLY DOWN	29.76 FT.
	TOTAL	4743.44 FT.

WT. OF STRING: 92M LBS.

BIT RECORD

BIT NO.	15	RR 10
SIZE	8¾	8¾
MFG.	H-W	H-W
TYPE	X55R	J44
NOZZLE NO.	2-13	2-14
NOZZLE SIZE	1-14	1-12
SER. NO.	29641	M27
DEPTH OUT	4732	
DEPTH IN	4243	4732
TOTAL FTG.	489	11
TOTAL HR. RUN	79¾	2
COND. OF BIT	1-5-1	Run
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME			11:00
WEIGHT	R		9.8
VISC.-SEC	I		38
W.L.-C.C.	P		16.6
FL.TR. CK	I		2/32
PH	N		9.0
SD. CONT. %	G.		
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: Ron & Ray

FOOTAGE

FROM	TO	DR.D RM.R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.—S PAR'EL—P COM'D—C
4730	4743	D			60	30	1025			5½	69	S
					50	20				X		
					60	25				14		

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
400	445	¾	DRLG. 8¾" hole
445	715	2½	Hoist For BIT
715	730	¼	Ser Rig ✓ BOP
730	945	2¼	Run in w/ RR #10 Slowly and Clean 12' Fill to btm
945	1145	2	Drlg 8¾ hole
1145	1200	¼	Work Tight Bond — had trouble getting back on btm

DAILY DRILLING REPORT

REPORT NO. 48 DATE Sept 1/71

OPERATOR: Mobil Oil Canada Ltd

LEASE: Mobil Hume Pipeline L-09

WELL NO. L09 | FIELD OR DIST. Hume Pipeline | COUNTY N.W.T | STATE

CONTRACTOR: S & T DRILLING (WESTERN) CO. LTD. | RIG NO. 1E

DRILL PIPE STRING: NO. 3 SIZE 4" | TOOL JOINT O.D. 5" | TYPE THD. 3½ IF

SIGNATURE OF OPERATOR'S REPRESENTATIVE: [signature]

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: R. STACK

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NSCO	K380	14
2.	NSCO	K380	14
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9⅝	36# J55		21	774	1200	750	Cemented w/465 sx + 2% CaCl + ¼ Sup.

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	7¼	7¾	7¼
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG	½		¼
DEVIATION SURVEY	½		½
TEST B.O.P.		¼	
CUT OFF DRILLING LINE			
REPAIR RIG			
[illegible]RING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK

HRS. W/DP

HRS. WO/DP

HRS. STANDBY

TOTAL DAY WORK

WIRE LINE RECORD

REEL NO.

NO. OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
42	STANDS D.P.	3934.69	FT.
	SINGLES D.P.		FT.
	D.C. monel I.D. O.D.	1548	FT.
14	D.C. I.D. O.D.	530.93	FT.
	STB. BODY O.D.		FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
	SUBS O.D.	6.90	FT.
	BIT OR C.B.	6.90	FT.
	DHA	16.15	FT.
	KELLY DOWN	41.00	FT.
	TOTAL	4552.05	FT.
WT. OF STRING	91M		LBS.

BIT RECORD

BIT NO.		15
SIZE		8¾
MFG.		Hu
TYPE		X55R
NOZZLE	NO.	3/13
	SIZE	1/14
SER. NO.		26941
DEPTH OUT		
DEPTH IN		4243
TOTAL FTG.		309
TOTAL HR. RUN		49
COND. OF BIT		Run
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	2:00	5:00	7:00
WEIGHT	9.2	9.2	9.2
VISC.-SEC	38	38	39
W.L.-C.C.	16.4		16.2
FL.TR. CK.	2/32		2/32
PH	9.0	9.5	9.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Supercol	500	plastic	100
Caustic	100	Dewicide	10#
[illegible]	100		

DRILLER: Gary Aleanus

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
4520	4552	D			60	30	1150	5½		5½	69	S
								X		X		
								14		14		

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	4520	29½							

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	12:5	½	Rig Service, Logs
12:5	12:45	½	Survey @ 4520 29½
12:45	8:00	7¼	Drlg 8¾" hole

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
42	STANDS D.P.	3934.69	FT.
2	SINGLES D.P.	62.87	FT.
18	D.C. I.D. O.D.	530.93	FT.
1	D.C. Mon I.D. O.D.	15.48	FT.
	STB. BODY O.D.		FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
1	SUBS O.D.	6.90	FT.
1	BIT OR C.B.	6.90	FT.
1	DHD	16.15	FT.
	KELLY DOWN	17.08	FT.
	TOTAL	4591.00	FT.
WT. OF STRING	91M		LBS.

BIT RECORD

BIT NO.		15
SIZE		8¾"
MFG.		H-W
TYPE		X55R
NOZZLE	NO.	2-13
	SIZE	1-14
SER. NO.		26941
DEPTH OUT		
DEPTH IN		4243
TOTAL FTG.		348
TOTAL HR. RUN		56¾
COND. OF BIT		Run
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	0	11	3
WEIGHT	9.2	9.2	9.2
VISC.-SEC	38	37	37
W.L.-C.C.		14.8	
FLTR. CK.		3/32	
PH	9.0	9.0	9.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
KELTEX	100#		

DRILLER: Ron Seall

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
4552	4591	D			60	30	1150			5½	69	S
										X		
										14		

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	8:15	¼	See Rig + BOPs + Kelly Cock
8:15	4:00	7¾	DRLG 8¾" hole

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
43	STANDS D.P.	4029.28	FT.
	SINGLES D.P.		FT.
18	D.C. I.D. O.D.	530.93	FT.
	D.C. monel I.D. O.D.	15.48	FT.
	STB. BODY O.D.		FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
	SUBS O.D.	6.90	FT.
	BIT OR C.B.		FT.
	DHA	16.15	FT.
	KELLY DOWN	35.36	FT.
	TOTAL	4641	FT.
WT. OF STRING	92M		LBS.

BIT RECORD

BIT NO.		15
SIZE		8¾"
MFG.		H-W
TYPE		X55R
NOZZLE	NO.	2-13
	SIZE	1-14
SER. NO.		26941
DEPTH OUT		
DEPTH IN		4243
TOTAL FTG.		398
TOTAL HR. RUN		64
COND. OF BIT		Run
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	7:00	9:00	11:00
WEIGHT	9.2	9.2	9.2
VISC.-SEC	37	37	37
W.L.-C.C.			16.4
FLTR. CK		2/32	2/32
PH	9.0	8.5	8.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: Ron + Gary

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
4591	4641	D			60	30	1150	5½		5½	69	S
								X		X		
								14		14		

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	4614	30°							

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	7:30	3½	DRLG 8¾ hole
7:30	7:45	¼	Rig Service + Logs
7:45	8:15	½	Survey @ 4614 30°
8:15	12:00	3¾	Drlg 8¾ hole

DAILY DRILLING REPORT

REPORT NO. 11 DATE Jan 31/71

OPERATOR: Imperial Oil Canada Ltd
LEASE: Imperial Hume River L-09
WELL NO.: L-09
FIELD OR DIST.: Hume River
COUNTY: N.W.T
STATE:
CONTRACTOR: S & T DRILLING (WESTERN) CO. LTD.
RIG NO.: 1E
DRILL PIPE STRING: NO. 2, SIZE 4"
TOOL JOINT: O.D. 5", TYPE THD. 3½ IF
SIGNATURE OF OPERATOR'S REPRESENTATIVE: Dennis C Moore
SIGNATURE OF CONTRACTOR'S TOOL PUSHER: A. STACK

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	N.S.C.O	K380	14"
2.	N.S.C.O	K380	14"
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9⅝	36# J55		21	774	1200	750	Cemented to Surface w/465 Sacks + 2% CaCl2

TIME DISTRIBUTION–HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	7¼	7¾	7¾
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG	¼		¼
DEVIATION SURVEY	½	¼	
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
CASING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
CALLS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK	
HRS. W/DP	
HRS. WO/DP	
HRS. STANDBY	
TOTAL DAY WORK	

WIRE LINE RECORD

REEL NO.	
NO. OF LINES / SIZE	
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
41	STANDS D.P.	3839.56 FT.
	SINGLES D.P.	FT.
18	D.C. 7¾ I.D. 2¼ O.D.	530.93 FT.
	D.C. Monel I.D. O.D.	15.48 FT.
	STB. BODY O.D.	FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
1	SUBS Wipco O.D.	6.90 FT.
1	BIT OR C.B. Bore	6.90 FT.
	PHA	16.15 FT.
	KELLY DOWN	13.08 FT.
	TOTAL	4429.00 FT.
WT. OF STRING	91M	LBS.

BIT RECORD

BIT NO.		15
SIZE		8¾
MFG.		HW
TYPE		X55R
NOZZLE	NO.	2/3
	SIZE	1/14
SER. NO.		29641
DEPTH OUT		
DEPTH IN		4243
TOTAL FTG.		186'
TOTAL HR. RUN		26¼
COND. OF BIT		Rund
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	2:00	4:00	7:00
WEIGHT	9.2	9.2	9.2
VISC.–SEC	39	38	40
W.L.–C.C.	16.0		16.4
FLTR. CK.	2/32		2/32
PH	9.5	9.5	9.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Caustic	100#	Super Col	500#
Plaster	150#	Dowicide	10#
Kelzan	150#		

DRILLER: E L Cheniere

FOOTAGE

FROM	TO	DR.–D RM.–R CORE.–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO.1 LINER SIZE	PUMP NO.1 S.P.M.	PUMP NO.2 LINER SIZE	PUMP NO.2 S.P.M.	METHOD RUN SGL.–S PAR'EL–P COM'D–C
4385	4429	D			60	30	1150	5½		5½	69	S
								X		X		
								14		14		

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	4425	29¼°							

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	1:30	1½	Drlg 8¾" hole
1:30	1:45	¼	Rig Service ; BOPs ; Kelly Cock
1:45	6:30	4¾	Drlg 8¾" hole
6:30	7:00	½	Survey @ 4425 29¼
7:00	8:00	1	Drlg 8¾" hole

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
41	STANDS D.P.	3839.56 FT.
1	SINGLES D.P.	31.66 FT.
18	D.C. 7¾ I.D. 6¼ O.D.	530.93 FT.
1	D.C. Monel I.D. O.D.	15.48 FT.
	STB. BODY O.D.	FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
1	SUBS Wipco O.D.	6.95 FT.
1	BIT OR C.B. Bore	6.90 FT.
	PHA	16.15 FT.
	KELLY DOWN	22.52 FT.
	TOTAL	4470.00 FT.
WT. OF STRING	91M	LBS.

BIT RECORD

BIT NO.		15
SIZE		8¾
MFG.		H-W
TYPE		X55R
NOZZLE	NO.	2-13
	SIZE	1-14
SER. NO.		29641
DEPTH OUT		
DEPTH IN		4243
TOTAL FTG.		227
TOTAL HR. RUN		34
COND. OF BIT		Run
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	9:00	12:00	3:00
WEIGHT	9.2	9.2	9.2
VISC.–SEC	40	39	39
W.L.–C.C.			16.7
FLTR. CK.			2/32
PH	9.0	8.5	9.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
CAUSTIC	50#		
PLASTER	50#		
Dowcide	5#		

DRILLER: Ron Saville

FOOTAGE

FROM	TO	DR.–D RM.–R CORE.–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO.2 LINER SIZE	PUMP NO.2 S.P.M.	METHOD RUN SGL.–S PAR'EL–P COM'D–C
4429	4470	D			60	30	1150	—	—	5½	69	S
										X		
										14"		

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	11:45	3¾	Serviced All Fire Ext. Jan 31-71
11:45	12:00	¼	Ser. Rig ; BOPs ; Kelly Cock.
12:00	Hrs	4	DRLG. 8¾" hole

DRILLING ASSEMBLY AT END OF TOUR

NO.		
41	STANDS D.P.	3839.56 FT.
2	SINGLES D.P.	63.43 FT.
18	D.C. 7¾ I.D. 6¼ O.D.	530.93 FT.
	D.C. Monel I.D. O.D.	15.48 FT.
	STB. BODY O.D.	FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
1	SUBS Wipco O.D.	6.90 FT.
1	BIT OR C.B. Bore	6.90 FT.
	PHA	16.15 FT.
	KELLY DOWN	41.00 FT.
	TOTAL	4520.35 FT.
WT. OF STRING	91M	LBS.

BIT RECORD

BIT NO.		15
SIZE		9¾
MFG.		H-W
TYPE		X55R
NOZZLE	NO.	2-13
	SIZE	1-14
SER. NO.		29641
DEPTH OUT		
DEPTH IN		4243
TOTAL FTG.		277'
TOTAL HR. RUN		41¾
COND. OF BIT		Run
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	7:00	9:00	11:00
WEIGHT	9.2	9.2	9.2
VISC.–SEC	41	38	39
W.L.–C.C.		16.2	
FLTR. CK		2/32	
PH	9.0	9.0	9.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
KELZAN	5D.		
SUPER COL	250#		

DRILLER: Ron ; Gary

FOOTAGE

FROM	TO	DR.–D RM.–R CORE.–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO.2 LINER SIZE	PUMP NO.2 S.P.M.	METHOD RUN SGL.–S PAR'EL–P COM'D–C
4470	4520	D			60	30	1150			5½	69	S
										X		
										14"		

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
3:00	6:00	2	DRLG.
6:00	6:15	¼	Rig Service ; BOPs
6:15	12:00	5¾	Drlg 8¾" hole

DAILY DRILLING REPORT

REPORT NO. 46 DATE Jan 30/77

OPERATOR: Mobil Oil Canada Ltd

LEASE: Mobil Hume River L-09

WELL NO. L-09 | FIELD OR DIST. Hume River | COUNTY N.W.T. | STATE

CONTRACTOR: S & T DRILLING (WESTERN) CO. LTD. | RIG NO. 1E

DRILL PIPE STRING: NO. 2 SIZE 4 | TOOL JOINT 5" O.D. | TYPE THD. 3½ IF

SIGNATURE OF OPERATOR'S REPRESENTATIVE: Adam C. Moore

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: A. STACH

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	N.S.C.D.	1/340	14
2.	N.S.C.D.	K350	14
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9⅝		36 J-55	21	774	12.00	750	Cemented to Surface w/465 sax + 25 bbls

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	5	6¼	7¼
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS	1		
LUBRICATE RIG	¼		¼
DEVIATION SURVEY		½	
TEST B.O.P.		¼	
CUT OFF DRILLING LINE			
REPAIR RIG			
SLIPPING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER	1¾	1	
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK

HRS. W/DP

HRS. WO/DP

HRS. STANDBY

TOTAL DAY WORK

WIRE LINE RECORD

REEL NO.

NO. OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
29	STANDS D.P.	3649.62 FT.
	SINGLES D.P.	31.55 FT.
	D.C.	
18	2 D.C. 1 D.C. O.D.	530.93 FT.
	D.C. Monel I.D. O.D.	15.48 FT.
	STB. BODY O.D.	FT.
	STB. BODY O.D.	6.90 FT.
	RMR. BODY O.D.	6.90 FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
P	HA	16.15 FT.
	KELLY DOWN	32.47 FT.
	TOTAL	4290.00 FT.

WT. OF STRING 90 M LBS.

BIT RECORD

BIT NO.		15
SIZE		8¾
MFG.		H-W
TYPE		X55R
NOZZLE	NO.	2/13
	SIZE	1-14
SER. NO.		29641
DEPTH OUT		
DEPTH IN		4243
TOTAL FTG.		47
TOTAL HR. RUN		5
COND. OF BIT		Run
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME		4 AM.	6 AM.
WEIGHT		9.2	9.2
VISC.-SEC		35	35
W.L.-C.C.			17.8
FL.TR. CK.			2/32
PH		9.5	9.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
KELZAN	50#		
SUPER-COL	250#		
PLASTER	50#		
DRILLER	D. Flowers		

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
40	STANDS D.P.	3744.42 FT.
	SINGLES D.P.	FT.
	D.C.	
18	2 D.C. 1 D.C. O.D.	530.93 FT.
1	D.C. Monel I.D. O.D.	15.48 FT.
	STB. BODY O.D.	FT.
1	STAB. BODY O.D.	6.90 FT.
1	RMR. BODY O.D.	6.90 FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
PHA		16.15 FT.
	KELLY DOWN	17.22 FT.
	TOTAL	4338.00 FT.

WT. OF STRING 90M LBS.

BIT RECORD

BIT NO.		15
SIZE		8¾
MFG.		H-W
TYPE		X55R
NOZZLE	NO.	2/13
	SIZE	1-14
SER. NO.		29641
DEPTH OUT		4243
DEPTH IN		
TOTAL FTG.		95'
TOTAL HR. RUN		11¼
COND. OF BIT		Run
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	9:00	12:00	2:00
WEIGHT	9.3	9.2	9.2
VISC.-SEC	36	39	38
W.L.-C.C.			
FL.TR. CK.			
PH	9.5	9.0	9.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
KELZAN	100#	SAND-WAY	10 Bags
SUPER COL	250#		
DRILLER	Ron Sewell		

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
40	STANDS D.P.	3744.42 FT.
	SINGLES D.P.	31.58 FT.
	D.C.	
18	2 D.C. 1 D.C. O.D.	530.93 FT.
	D.C. Monel I.D. O.D.	15.48 FT.
	STB. BODY O.D.	6.90 FT.
	STB. BODY O.D.	6.90 FT.
	RMR. BODY O.D.	FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
PHA		16.15 FT.
	KELLY DOWN	32.64 FT.
	TOTAL	4365.00 FT.

WT. OF STRING 90M LBS.

BIT RECORD

BIT NO.		15
SIZE		8¾
MFG.		H-W
TYPE		X55R
NOZZLE	NO.	2-13
	SIZE	1-14
SER. NO.		29641
DEPTH OUT		
DEPTH IN		4243
TOTAL FTG.		142'
TOTAL HR. RUN		19
COND. OF BIT		Run
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	6:00	9:00	12:00
WEIGHT	9.2	9.2	9.2
VISC.-SEC	38	34	38
W.L.-C.C.		13.0	13.2
FL.TR. CK		3/32	3/32
PH		8.5	8.6
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
KELZAN	150#		
SUPER COL	50#		
Dowcil	10#		
DRILLER	Ron. Barry		

FOOTAGE / FORMATION

FROM	TO	DR. RM. CORE	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO.1 LINER SIZE	PUMP NO.1 S.P.M.	PUMP NO.2 LINER SIZE	PUMP NO.2 S.P.M.	METHOD RUN SGL-S PAR'EL-P COM'D-C
4243	4290	D			60	30	1150	5½		5½	69	S
								x		x		
								14		14		

DEVIATION RECORD: DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	1:15	1¼	Separating DC's
1:15	1:30	¼	Ream 2
1:30	2:00	½	Clean Sandbridges from 1330-1400'
2:00	2:45	¾	Trip out w/ bit #15 Change 12 jts DC
2:45	3:00	¼	Rig Service & Boys
3:00	9:00	5	Drlg 8¾ hole
			Lost approx 75% Circ @ 4279
			Lost 85 bbls drlg mud & formation @ 4288

FOOTAGE / FORMATION

FROM	TO	DR. RM. CORE	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO.1 LINER SIZE	PUMP NO.1 S.P.M.	PUMP NO.2 LINER SIZE	PUMP NO.2 S.P.M.	METHOD RUN SGL-S PAR'EL-P COM'D-C
4290	4338	D			60	30	1150	5½				
								x				
								14				

DEVIATION RECORD: DEPTH 4330' | DEV. 28¾° | DIRECTION | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	8:30	½	DRLG. 8¾" hole — Last App 140 BBLS. mud.
8:30	9:30	1	Work Tight Conn. Losing Circulation
9:30	2:00	4½	DRLG.
2:00	2:30	½	Survey @ 4330'
2:30	2:45	¼	Ser. Rig ✓ BOP's + Kelly Cock
2:45	4:00	1¼	DRLG.

FOOTAGE / FORMATION

FROM	TO	DR. RM. CORE	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL-S PAR'EL-P COM'D-C
4338'	4385	D			60	30	1150			5½	69	
										>		
										14		

DEVIATION RECORD: DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	7:30	3½	DRLG. 8¾" hole
7:30	7:45	¼	Ser Rig ✓ BOP's
7:45	12:00	4¼	DRLG

DAILY DRILLING REPORT

REPORT NO. 11 DATE JAN 7 / 11

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
Mobil Oil Can LTD	Mobil Hume River	L-09	Hume River	N.W.T.	Canada.

CONTRACTOR: S & T DRILLING (WESTERN) CO. LTD. RIG NO. 1E

DRILL PIPE STRING: NO. 2" SIZE 4½" — TOOL JOINT O.D. 5" — TYPE THD. 3½ IF

SIGNATURE OF OPERATOR'S REPRESENTATIVE: Dennis C. Hanson

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: A. Galanza

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	Nat	K 380	14"
2.	Nat	K 380	14"
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9⅝	Jap.	26 J55	21	774	12.00	750	Cemented to Surface w/465sax 2.5% Cal.

TIME DISTRIBUTION–HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL		3¾	
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS		1¾	
LUBRICATE RIG	¼	¼	
DEVIATION SURVEY	½	½	
TEST B.O.P.		¼	
CUT OFF DRILLING LINE		½	
REPAIR RIG			
BOILERING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER		1	
FISHING			
COMPLETION WORK: A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS		8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK			
HRS. W/DP			
HRS. WO/DP			
HRS. STANDBY			
TOTAL DAY WORK			

WIRE LINE RECORD

REEL NO.

NO. OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
58	STANDS D.P.	3556.21	FT.
2	SINGLES D.P.	62.91	FT.
18	D.C. I.D. O.D.	530.93	FT.
	D.C. Monel I.D. O.D.	15.48	FT.
	STB. BODY O.D.		FT.
	STB. Wiper BODY O.D.	6.90	FT.
	RMR. BODY O.D.		FT.
	SUBS 10¼ O.D.	7.75	FT.
	BIT OR C.B.		FT.
	P.H.A.	16.15	FT.
	KELLY DOWN	24.69	FT.
	TOTAL	4226.02	FT.

WT. OF STRING 101M LBS.

BIT RECORD

BIT NO.	14	
SIZE	8¾	
MFG.	H.W.	
TYPE	X55R	
NOZZLE NO.	3	
NOZZLE SIZE	13	
SER. NO.	24633	
DEPTH OUT		
DEPTH IN	3438	
TOTAL FTG.	344	
TOTAL HR. RUN	69½	
COND. OF BIT	Run.	
REAMER NO.		
REAMER TYPE		

MUD RECORD

	100	300	600
TIME			
WEIGHT	9.2	9.2	9.2
VISC.-SEC	37	35	37
W.L.-C.C.			
FL.TR. CK.			
PH	9.5	9.0	9.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Plaster	100		
Kelzan	100		
CMC	50		

DRILLER R. Hanley

FOOTAGE

FROM	TO	DR.–D RM.–R CORE–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PAR'EL–P COM'D–C
4174	4226			Fuel 6'3"	60	30	1250	5½	69			
								X				
								14				

DEVIATION RECORD: DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12.00	12.15	¼	Rig Serve BOPs
12.15	4.00	3¾	DRLG 8¾ hole.
4.00	4.30	½	Survey @ 4205 Mis Run.
4.30			DRLG 8¾ hole

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
39	STANDS D.P.	3449.62	FT.
	SINGLES D.P.		FT.
18	D.C. I.D. O.D.	530.93	FT.
	D.C. Monel I.D. O.D.	15.48	FT.
	STB. Spiral O.D.	7.75	FT.
	STB. BODY O.D.		FT.
	RMR. Wiper O.D.	6.90	FT.
	SUBS O.D.		FT.
	BIT OR C.B.		FT.
	P.H.A.	16.15	FT.
	KELLY DOWN	16.17	FT.
	TOTAL	4243.00	FT.

WT. OF STRING 102M LBS.

BIT RECORD

BIT NO.	14	
SIZE	8¾	
MFG.	HW	
TYPE	X55R	
NOZZLE NO.	3	
NOZZLE SIZE	13	
SER. NO.	22633	
DEPTH OUT	4243	
DEPTH IN	3838	
TOTAL FTG.	405	
TOTAL HR. RUN	73	
COND. OF BIT	3-1	
REAMER NO.		
REAMER TYPE		

MUD RECORD

	900	1200	300
TIME			
WEIGHT	9.3	9.3	T
VISC.-SEC	37	37	R
W.L.-C.C.	12.6		I
FLTR. CK.	2/32		P
PH	9.0		
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
C.M.C	50#		
Caustic	50#		
Dowicide	10#		

DRILLER B. Wilkins

FOOTAGE

FROM	TO	DR–D RM–R CORE–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO.1 LINER SIZE	PUMP NO.1 S.P.M.	PUMP NO.2 LINER SIZE	PUMP NO.2 S.P.M.	METHOD RUN SGL.–S PAR'EL–P COM'D–C
4226	4243	D			60	30	1250	5½		5½	69	S
								X		X		
								14		14		

DEVIATION RECORD: DEPTH 4237 | DEV. 29° | DIRECTION | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8.00	10.00	2	Drlg 8¾ hole — Changed DP to 3795
10.00	10.15	¼	Rig Service Lubricate Kellycock
10.15	10.45	½	Survey @ 4237 29°
10.45	12.30	1¾	Drlg 8¾ hole — 3.15–4.00 W.O. DC Inspector
12.30	2.15	1¾	Hoist
2.15	2.30	¼	Ream
2.30	2.45	¼	Change reamer bit Reamer Cutters
2.45	3.15	½	Slip 23' drlg line

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
	STANDS D.P.		FT.
	SINGLES D.P.		FT.
	D.C. I.D. O.D.		FT.
	D.C. Monel I.D. O.D.	15.48	FT.
	STB. Spiral O.D.	6.90	FT.
	STB. BODY O.D.		FT.
	RMR. Wiper O.D.	6.90	FT.
	SUBS O.D.		FT.
	BIT OR C.B.		FT.
	P.H.A.	16.15	FT.
	KELLY DOWN		FT.
	TOTAL		FT.

WT. OF STRING LBS.

BIT RECORD

BIT NO.	15	
SIZE	8¾	
MFG.	HW	
TYPE	X55R	
NOZZLE NO.	3/13	
NOZZLE SIZE	1/14	
SER. NO.	29641	
DEPTH OUT		
DEPTH IN	4243	
TOTAL FTG.		
TOTAL HR. RUN		
COND. OF BIT		
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME			
WEIGHT	4		
VISC.-SEC	R		
W.L.-C.C.			
FLTR. CK	1		
PH	P		
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER Day + Rm

FOOTAGE

FROM	TO	DR–D RM–R CORE–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PAR'EL–P COM'D–C
4243												

DEVIATION RECORD: DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4.00	6.30	2½	W.O. DC Inspector
6.30	12.00	5½	Rig to Inspect DC's – Stabs + JARS, ~~Mixer~~

25/71

DAILY DRILLING REPORT — REPORT NO. 44 — DATE Jan 7th/71

OPERATOR: Mobil Oil Can. LTD

LEASE: Mobil Hume River

WELL NO. L-04 | FIELD OR DIST. Hume River | COUNTY N.W.T | STATE Canada

CONTRACTOR: S & T DRILLING (WESTERN) CO. LTD. | RIG NO. IE

DRILL PIPE STRING: NO. 2 SIZE 14" | TOOL JOINT 5" O.D. | TYPE THD. 3½ IF

SIGNATURE OF OPERATOR'S REPRESENTATIVE: [illegible]

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: [illegible]

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NaT	K 380	14"
2.	NaT	K 380	14"
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9 5/8	Tap.	26# J55	21	774	12.00	750	Cemented to Surface w/ 465 sax 2.5% Ca

TIME DISTRIBUTION–HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	7¼	7¼	7½
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG	¼	¼	¼
DEVIATION SURVEY	½		½
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
BOILERING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER		½	
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK			
HRS. W/DP			
HRS. WO/DP			
HRS. STANDBY			
TOTAL DAY WORK			

WIRE LINE RECORD

REEL NO.	
NO. OF LINES	SIZE
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
37	STANDS D.P.	346236	FT.
1	SINGLES D.P.	3135	FT.
18	D.C. I.D. O.D.	530.93	FT.
	D.C. Monel I.D. O.D.	15.48	FT.
	STB. BODY Wiper O.D.	6.90	FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
1	SUBS Jars O.D.	7.75	FT.
	BIT OR C.B.		FT.
	PHA.	16.15	FT.
	KELLY DOWN	22.04	FT.
	TOTAL	4033.00	FT.

WT. OF STRING 180 M LBS.

BIT RECORD

BIT NO.	# 14
SIZE	8¾
MFG.	H.W.
TYPE	XS5R
NOZZLE NO.	3
NOZZLE SIZE	13
SER. NO.	24633
DEPTH OUT	
DEPTH IN	3838
TOTAL FTG.	245
TOTAL HR. RUN	47½
COND. OF BIT	Run
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	1.00	3.00	6.00
WEIGHT	9.3	9.2	9.2
VISC.–SEC	36	37	37
W.L.–C.C.			
FLTR. CK.			
PH	9.5	9.5	9.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Caustic	50#	SpecCol	250#
Plate	50#		
Kelgen	100#		

DRILLER R. Hanly

FOOTAGE

FROM	TO	DR–D RM–R CORE–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.–S PAR'EL–P COM'D–C
4045	4053			Fuel 7' 2"	60	30	1250	5½				
								X				
								14				

DEVIATION RECORD: DEPTH 4080 | DEV. 28½ | DIRECTION | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12.00	12.15	¼	Rig Serv. ✓ BOPs.
12.15	6.45	6½	DRLG 8¾ hole
6.45	7.15	½	Survey @ 4080
7.15	8.00	¾	DRLG 8¾ hole

(when putting tongs on pipe) Archie Williams last left ~~middle~~ finger in tongs

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
37	STANDS D.P.		FT.
2	SINGLES D.P.		FT.
18	D.C. I.D. O.D.	530.93	FT.
	D.C. Monel I.D. O.D.	15.48	FT.
	STB. BODY O.D.		FT.
	STB. BODY Wiper O.D.	6.90	FT.
	RMR. BODY O.D.		FT.
	SUBS Jars O.D.	7.75	FT.
	BIT OR C.B.		FT.
	PHA	16.15	FT.
	KELLY DOWN	25.48	FT.
	TOTAL	4127.00	FT.

WT. OF STRING 101 M LBS.

BIT RECORD

BIT NO.	14
SIZE	8¾
MFG.	HW
TYPE	XS5R
NOZZLE NO.	3
NOZZLE SIZE	13
SER. NO.	24633
DEPTH OUT	
DEPTH IN	3838
TOTAL FTG.	289'
TOTAL HR. RUN	54¾
COND. OF BIT	Run
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	9.00	12.00	3.00
WEIGHT	9.2	9.2	9.2
VISC.–SEC	36	37	37
W.L.–C.C.	19.0		19.2
FLTR. CK.	2/32		2/32
PH	9.0		9.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Super Col	250#	Lectro	50#
Caustic	50#	Duvicide	10#
Kelgen	50#		

DRILLER [illegible]

FOOTAGE

FROM	TO	DR–D RM–R CORE–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.–S PAR'EL–P COM'D–C
4083	4127	D			60	30	1350	5½		5½	69	5
								X		X		
								14		14		

DEVIATION RECORD: DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8.00	8.15	¼	Rig Service / BOPs
8.15	12.45	4½	Drlg 8¾" hole
12.45	1.15	½	Change oil in light plants (Maintenance)
1.15	4.00	2¾	Drlg 8¾" hole

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
34	STANDS D.P.	355621	FT.
	SINGLES D.P.		FT.
18	D.C. I.D. O.D.	530.93	FT.
	D.C. Monel I.D. O.D.	15.48	FT.
	STB. BODY O.D.		FT.
	STB. BODY Wiper O.D.	6.90	FT.
	RMR. BODY O.D.		FT.
	SUBS Jars O.D.	7.75	FT.
	BIT OR C.B.	16.15	FT.
	PHA		FT.
	KELLY DOWN	41.00	FT.
	TOTAL	4174.00	FT.

WT. OF STRING 101 M LBS.

BIT RECORD

BIT NO.	14
SIZE	8¾
MFG.	HW
TYPE	XS5R
NOZZLE NO.	3
NOZZLE SIZE	13
SER. NO.	24633
DEPTH OUT	
DEPTH IN	3838
TOTAL FTG.	336
TOTAL HR. RUN	62
COND. OF BIT	Run
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME		10.00	
WEIGHT		9.2	
VISC.–SEC		37	
W.L.–C.C.			
FLTR. CK			
PH		9.5	
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER Davy / Bellis

FOOTAGE

FROM	TO	DR–D RM–R CORE–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.–S PAR'EL–P COM'D–C
4127	4174	D			60	30	1250	5½		5½	69	5
								X		X		
								14		14		

DEVIATION RECORD: DEPTH 4142 | DEV. 28½ | DIRECTION N-03-E | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4.00	4.15	¼	Rig Service / BOPs
4.15	7.15	3	Drlg 8¾" hole
7.15	7.45	½	Survey @ 4142 28½°
7.45	12.00	4 ¼	DRLG 8¾ hole

DAILY DRILLING REPORT

REPORT NO. 47 DATE Jan 27/11

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
Mobil Oil Can LTD	Mobil Hume River	L-09	Hume River	N.W.T.	Canada

CONTRACTOR: S & T DRILLING (WESTERN) CO. LTD. RIG NO.

DRILL PIPE STRING: NO. 2" SIZE 4½" TYPE THD. 3½ IF TOOL JOINT 5" O.D.

SIGNATURE OF OPERATOR'S REPRESENTATIVE: Duncan Snowdon

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: B Valenzo

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NoT	K380	14"
2.	No1	K380	14"
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9⅝	Jap.	26# J55	21	774	12.00	750	Cemented to Surface w/ 465 sax 2.39 Calc.

TIME DISTRIBUTION–HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	7¼	7¾	7¼
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG	¼	¼	¼
DEVIATION SURVEY	½		½
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
WELDING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	4	8	

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK			
HRS. W/DP			
HRS. WO/DP			
HRS. STANDBY			
TOTAL DAY WORK			

WIRE LINE RECORD

REEL NO.

NO. OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
36	STANDS D.P.	3364.91 FT.
	SINGLES D.P.	FT.
14	D.C. I.D. O.D.	530.93 FT.
1	D.C. Monel I.D. O.D.	15.48 FT.
	STB. Viper BODY O.D.	6.40 FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
	SUBS Jars O.D.	7.75 FT.
	BIT OR C.B.	16.15 FT.
P.H.A.		FT.
	KELLY DOWN	22.94 FT.
	TOTAL	3469.10 FT.

WT. OF STRING 95 m. LBS.

BIT RECORD

BIT NO.	#14
SIZE	8¾
MFG.	HW
TYPE	X55R
NOZZLE NO.	3
NOZZLE SIZE	13
SER. NO.	29633
DEPTH OUT	
DEPTH IN	3838
TOTAL FTG.	131
TOTAL HR. RUN	25¼
COND. OF BIT	Run
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	1.00	3.00	6.00
WEIGHT	9.2	9.2	9.2
VISC.-SEC	36	38	38
W.L.-C.C.	17.4		
FL TR. CK.	2/32		
PH	9.0	9.0	8.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Aloetic	100		
Kelzan	50		

DRILLER R Hemby

FOOTAGE

FROM	TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PAR.EL–P COMP.D–C
12.00	[illegible]			Fuel 4" 2"	60	25	1250	5½	69			
3923	3969							X				
								14				

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	3955	28°							

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12.00	12.15	¼	R.y Serv. BOPs.
12.15	7.30	7¼	D.R.L.G. 4¾ hole.
7.30	8.00	½	Survey @ 3955'

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
36	STANDS D.P.	3368.91 FT.
1	SINGLES D.P.	30.94 FT.
18	D.C. I.D. O.D.	530.93 FT.
	D.C. Monel I.D. O.D.	15.48 FT.
	STB. Viper BODY O.D.	6.90 FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
	SUBS Jars O.D.	7.75 FT.
	BIT OR C.B.	FT.
P.H.A		16.15 FT.
	KELLY DOWN	24.04 FT.
	TOTAL	4001.60 FT.

WT. OF STRING 100 m LBS.

BIT RECORD

BIT NO.	14
SIZE	8¾
MFG.	HW
TYPE	X55R
NOZZLE NO.	3
NOZZLE SIZE	13
SER. NO.	29633
DEPTH OUT	
DEPTH IN	3838
TOTAL FTG.	163
TOTAL HR. RUN	33
COND. OF BIT	Run
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	9 a.m.	1 p.m.	4.00
WEIGHT	9.2+	9.2+	9.3
VISC.-SEC	37	37	38
W.L.-C.C.	16.8		16.6
FLTR. CK.	2/32		2/32
PH	8.5	9.5	9.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
[illegible]	5#	Gel	500#
Caustic	50#	Bactricide	10#
Kelzan	50#		

DRILLER [illegible]

FOOTAGE

FROM	TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO.1 LINER SIZE	PUMP NO.1 S.P.M.	PUMP NO.2 LINER SIZE	PUMP NO.2 S.P.M.	METHOD RUN SGL.–S PAR.EL–P COMP.D–C
3969	4000	D			60	25	1250	5½		5½	69	5
					60	30		X		X		
								14		14		

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8.00	8.15	¼	Rig Service + BOPs
8.15	4.00	7¾	Drlg 8¾" hole

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
36	STANDS D.P.	3368.91 FT.
2	SINGLES D.P.	61.93 FT.
14	D.C. I.D. O.D.	530.93 FT.
	D.C. Monel I.D. O.D.	15.48 FT.
	STB. Viper BODY O.D.	6.90 FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	7.75 FT.
	SUBS Jars O.D.	FT.
	BIT OR C.B.	FT.
P.H.A		16.15 FT.
	KELLY DOWN	37.00 FT.
	TOTAL	4045.05 FT.

WT. OF STRING 100 m LBS.

BIT RECORD

BIT NO.	14
SIZE	8¾
MFG.	HW
TYPE	X55R
NOZZLE NO.	3
NOZZLE SIZE	13
SER. NO.	29633
DEPTH OUT	
DEPTH IN	3838
TOTAL FTG.	207
TOTAL HR. RUN	40¼
COND. OF BIT	Run
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	6.00	9.00	11.00
WEIGHT	9.3	9.3	9.3
VISC.-SEC	37	37	35
W.L.-C.C.			
FLTR. CK			
PH			8.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER Harry + Ralph

FOOTAGE

FROM	TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO.1 LINER SIZE	PUMP NO.1 S.P.M.	PUMP NO.2 LINER SIZE	PUMP NO.2 S.P.M.	METHOD RUN SGL.–S PAR.EL–P COMP.D–C
4001	4045	D			60	30	1250	5½		5½	69	5
								X		X		
								14		14		

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	4017	28¼							

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4.00	6.45	2¾	Drlg 8¾" hole
6.45	7.00	¼	Rig Service + BOPs
7.00	7.30	½	Survey @ 4017
7.30	8.00	4½	Drlg 8¾" hole

DAILY DRILLING REPORT — REPORT NO. 4 C — DATE Jan. 26/71

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
Mobil Oil Can. LTD.	Mobil Hume River	L-09	Hume River	N.W.T.	Canada

CONTRACTOR	RIG NO.	DRILL PIPE STRING NO.	DRILL PIPE STRING SIZE	TOOL JOINT O.D.	TYPE THD.
S & T DRILLING (WESTERN) CO. LTD.	1E	24	4½"	5"	3½ IF

SIGNATURE OF OPERATOR'S REPRESENTATIVE: Dennis C. Moore

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: A. Balenya

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NoT	K 380	14
2.	NoT	K 380	14
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9⅝	Jap.	26#J55	21	774	12.00	750	Cemented to Surface w/ 465 sax 2.5% Cal

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	3½	7½	3½
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS	3¾		
LUBRICATE RIG	¼	¼	¼
DEVIATION SURVEY		¾	½
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
[illegible]RING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
Clean out Bot	½		
FISHING			
COMPLETION WORK: A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	4

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK			
HRS. W/DP			
HRS. WO/DP			
HRS. STANDBY			
TOTAL DAY WORK			

WIRE LINE RECORD

REEL NO.	
NO. OF LINES	SIZE
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	
34	STANDS D.P.	3179.69 FT.
2	SINGLES D.P.	62.83 FT.
16	D.C. I.D. O.D.	530.93 FT.
	D.C. Monel I.D. O.D.	15.48 FT.
	STB. w/ Pad BODY O.D.	6.90 FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
	SUBS Jars O.D.	7.75 FT.
	BIT OR C.B.	FT.
	P.H.A.	16.15 FT.
	KELLY DOWN	38.27 FT.
	TOTAL	3845.00 FT.
WT. OF STRING	94m	LBS.

BIT RECORD	
BIT NO.	#14
SIZE	8¾
MFG.	HW
TYPE	X55R
NOZZLE NO.	3
NOZZLE SIZE	13
SER. NO.	29633
DEPTH OUT	
DEPTH IN	3838
TOTAL FTG.	13
TOTAL HR. RUN	3½
COND. OF BIT	Run
REAMER NO.	
REAMER TYPE	

MUD RECORD			
TIME			6.00
WEIGHT	/		9.2
VISC.-SEC	/		31
W.L.-C.C.	R		
FLTR. CK.			
PH	/		9.5
SD. CONT. %	/	P	
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER R. Hanby

FOOTAGE FROM	FOOTAGE TO	DR. RM. CORE	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COMP'D-C
3838	3851			Fwl 7'2"	60	13	1200	5½				
						20		X				
								14				

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12.00	1.45	1¾	Trip out For Bit.
1.45	2.00	¼	Rig Serv. & BOPs.
2.00	2.30	½	Make up Bit & new stab. Rubber.
2.30	4.00	1½	Run in w/ Bit #14
4.00	4.30	½	Clean 20' to Bottom.
4.30	8.00	3½	DRLG. 8¾ hole.

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	
35	STANDS D.P.	3274.19 FT.
	SINGLES D.P.	FT.
18	D.C. I.D. O.D.	530.93 FT.
	D.C. Monel I.D. O.D.	15.48 FT.
	STB. BODY O.D.	6.90 FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
	SUBS Jars O.D.	7.75 FT.
	BIT OR C.B.	FT.
	PHA	16.15 FT.
	KELLY DOWN	30.60 FT.
	TOTAL	3882.00 FT.
WT. OF STRING	98m	LBS.

BIT RECORD	
BIT NO.	#14
SIZE	8¾
MFG.	HW
TYPE	X55R
NOZZLE NO.	3
NOZZLE SIZE	13
SER. NO.	29633
DEPTH OUT	
DEPTH IN	3838
TOTAL FTG.	44
TOTAL HR. RUN	10¾
COND. OF BIT	Run
REAMER NO.	
REAMER TYPE	

MUD RECORD			
TIME	9.00	1.00	3.00
WEIGHT	9.2	9.2	9.2
VISC.-SEC	35	38	37
W.L.-C.C.	17.8		17.6
FLTR. CK.	2/32		2/32
PH	8.5	9.5	9.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	500#	CAUSTIC	50#
KELZAN	50#		
PLASTER	50#		

DRILLER D. Pelletier

FOOTAGE FROM	FOOTAGE TO	DR. RM. CORE	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'EL-P COMP'D-C
3851	3882	D			60	20	1250	5½		5½	69	S
					60	25		X		X		
								14		14		

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	3860	26°	N 03-E						

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8.00	10.30	2½	Drlg 8¾ hole
10.30	10.45	¼	Rig Service & Bops & Kelly cock
10.45	11.15	½	Survey @ 3860 26°
11.15	4.00	4¾	Drlg 8¾ hole

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	
35	STANDS D.P.	3274.19 FT.
1	SINGLES D.P.	31.36 FT.
18	D.C. I.D. O.D.	530.93 FT.
1	D.C. Monel I.D. O.D.	15.48 FT.
	STB. w/ Pad BODY O.D.	6.90 FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
	SUBS Jars O.D.	7.75 FT.
	BIT OR C.B.	FT.
	PHA	16.15 FT.
	KELLY DOWN	44.00 FT.
	TOTAL	3923.76 FT.
WT. OF STRING	98m	LBS.

BIT RECORD	
BIT NO.	14
SIZE	8¾
MFG.	HW
TYPE	X55R
NOZZLE NO.	3
NOZZLE SIZE	13
SER. NO.	29633
DEPTH OUT	
DEPTH IN	3838
TOTAL FTG.	43
TOTAL HR. RUN	18
COND. OF BIT	Run
REAMER NO.	
REAMER TYPE	

MUD RECORD			
TIME	6.00	9.00	11.00
WEIGHT	9.2	9.2	9.2
VISC.-SEC	37	36	36
W.L.-C.C.	17.6		
FLTR. CK	2/32		
PH	9.5	9.0	9.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER Davy & Rollie

FOOTAGE FROM	FOOTAGE TO	DR. RM. CORE	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'EL-P COMP'D-C
3882	3923	D			60	25	1250	5½		5½	69	S
								X		X		
								14		14		

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	3923	26¾	N 05-E						

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4.00	6.00	2	Drlg 8¾ hole
6.00	6.15	¼	Rig Service, Bops & Kelly cock
6.15	11.30	5¼	Drlg 8¾ hole
11.30	12.00	½	Survey @ 3923

DAILY DRILLING REPORT

REPORT NO. 41 DATE Jan 25/71

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
Mobil Oil Can LTD	Mobil Hume River	L-09	Hume River	N.W.T.	Canada

CONTRACTOR	RIG NO.	DRILL PIPE STRING NO.	DRILL PIPE STRING SIZE	TOOL JOINT O.D.	TYPE THD.
S & T DRILLING (WESTERN) CO. LTD.	IE	2#	4"	5"	3½ IF

SIGNATURE OF OPERATOR'S REPRESENTATIVE: D. C. Mabee

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: A. Blaley

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NoT	K 380	14"
2.	NoT	K 380	14"
3.			

LASY CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
	9 5/8	Jap.	26# J55	21	774	12.00	750	Cemented to Surface w/ 465 sax. 2.5% Cal.

TIME DISTRIBUTION–HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	7½	7¾	
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG	¼	¼	
DEVIATION SURVEY	¼		
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
[illegible]			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK			
HRS. W/DP			
HRS. WO/DP			
HRS. STANDBY			
TOTAL DAY WORK			

WIRE LINE RECORD

REEL NO.	
NO. OF LINES	SIZE
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	
33	STANDS D.P.	3086.65 FT.
2	SINGLES D.P.	63.04 FT.
18	D.C. I.D. O.D.	530.93 FT.
	D.C. Monel I.D. O.D.	154.8 FT.
	STB. BODY O.D.	FT.
	STB. BODY Wiper O.D.	6.90 FT.
	RMR. BODY O.D.	FT.
	SUBS Jars O.D.	7.75 FT.
	BIT OR C.B.	FT.
	PHA.	16.15 FT.
	KELLY DOWN	23.10 FT.
	TOTAL	3750.00 FT.
WT. OF STRING	96M	LBS.

BIT RECORD

BIT NO.	RR#10	
SIZE	8¾	
MFG.	[illegible]	HW
TYPE	J44	
NOZZLE NO.	3	
NOZZLE SIZE	13	
SER. NO.	KM271	
DEPTH OUT		
DEPTH IN	3517	
TOTAL FTG.	233	
TOTAL HR. RUN	41¾	
COND. OF BIT	Run.	
REAMER NO.		
REAMER TYPE		

MUD RECORD

	1.00	3.00	6.00
WEIGHT	9.2	9.2	9.2
VISC.-SEC	35	37	36
W.L.-C.C.			
FLTR. CK.			
PH	9.5	9.5	9.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	500	Caustic	50
Kelgan	50	Desco B	10
Plastic	100		

DRILLER R. Henley

FOOTAGE

FROM	TO	DR.-D RM.-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
3721				Fuel 4' 6"	50	15	1250	5½	69			
					60	20	1250	x				
								14				

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	3736	23½							

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12.00	12.15	¼	Rig Serv ✓ BOPs.
12.15	4.45	4½	DRLG 8¾ hole
4.45	5.15	½	Survey @ 3736
5.15	6.00		DRLG 8¾ hole

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	
34	STANDS D.P.	3179.69 FT.
	SINGLES D.P.	31 FT.
18	D.C. Monel I.D. O.D.	154.8 FT.
	D.C. I.D. O.D.	530.93 FT.
	STB. BODY O.D.	FT.
	STB. BODY Stabilizer O.D.	6.90 FT.
	RMR. BODY O.D.	FT.
	SUBS Jars O.D.	7.75 FT.
	BIT OR C.B.	FT.
	PHA	16.15 FT.
	KELLY DOWN	37.10 FT.
	TOTAL	3794.00 FT.
WT. OF STRING	98M	LBS.

BIT RECORD

BIT NO.	RR#10	
SIZE	8¾	
MFG.	HW	
TYPE	J44	
NOZZLE NO.	3	
NOZZLE SIZE	13	
SER. NO.	Con271	
DEPTH OUT		
DEPTH IN	3517	
TOTAL FTG.	277	
TOTAL HR. RUN	49½	
COND. OF BIT	Run	
REAMER NO.		
REAMER TYPE		

MUD RECORD

	9 a.m.	1 p.m.	4 p.m.
WEIGHT	9.2	9.2	9.2
VISC.-SEC	37	35	37
W.L.-C.C.	18.0		
FLTR. CK.	2/32		
PH	9.0	9.0	8.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	500	Caustic	50
Kelgan	50		
Plastic	50		

DRILLER B. Blaney

FOOTAGE

FROM	TO	DR.-D RM.-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
3750	3794	D			60	20	1250	5½		5½	69	S
								x		x		
								14		14		

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8.00	11.20	3¼	Drlg 8¾ hole
11.20	11.45	¼	Rig Service ; BOP's ; Kelly cock
11.45	4.00	4¼	Drlg 8¾ hole

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	
34	STANDS D.P.	3179.69 FT.
	SINGLES D.P.	62.95 FT.
18	D.C. I.D. O.D.	530.93 FT.
	D.C. Monel I.D. O.D.	154.8 FT.
	STB. BODY Wiper O.D.	6.90 FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
	SUBS Jars O.D.	7.75 FT.
	BIT OR C.B.	FT.
	PHA	16.15 FT.
	KELLY DOWN	18.27 FT.
	TOTAL	3838 FT.
WT. OF STRING	98M	LBS.

BIT RECORD

BIT NO.	RR#10	
SIZE	8¾	
MFG.	HW	
TYPE	J44	
NOZZLE NO.	3	
NOZZLE SIZE	13	
SER. NO.	Con271	
DEPTH OUT	3838	
DEPTH IN	3517	
TOTAL FTG.	321	
TOTAL HR. RUN	54½	
COND. OF BIT	111	
REAMER NO.		
REAMER TYPE		

MUD RECORD

	6.00	10.00
WEIGHT	9.2	9.2
VISC.-SEC	37	37
W.L.-C.C.		
FLTR. CK		
PH		
SD. CONT. %		
PRESSURE GRADIENT		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER Gary Baker

FOOTAGE

FROM	TO	DR.-D RM.-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
3794	3838	D			60	20	1250	5½		5½	69	S
								x		x		
								14		14		

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	3797	24¼		3829					

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4.00	4.30	½	Drlg 8¾ hole
4.30	4.45	¼	Rig Service ✓ BOP's
4.45	5.15	½	Surveys @ 3797
5.15	8.45	3½	Drlg 8¾ hole
8.45	9.15	½	Survey @ 3829
9.15	11.00	1¾	DRLG 8¾ hole
11.00	12.00	1	Trip out

DAILY DRILLING REPORT

REPORT NO. 40 DATE Jan. 24/71

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
Mobil Oil Can LTD	Mobil Hume River.	L-09.	Hume River	N.W.T	

CONTRACTOR: S & T DRILLING (WESTERN) CO. LTD. — RIG NO.: IE

DRILL PIPE STRING: NO. 2" SIZE 13.3# — TOOL JOINT 5" O.D. — TYPE THD. 3½ IF

SIGNATURE OF OPERATOR'S REPRESENTATIVE: D.B. Moore

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: J.B. Galanza

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NoT	K 280	14"
2.	NoT	K 380	14
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9⅝	Jap.	26# J55	21	774	12.00	750	Cemented to Surface w/465 sax 2.5% Cal.

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	6¾	7¾	7½
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG	½	½	½
DEVIATION SURVEY	¼		¼
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
WELDING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK			
HRS. W/DP			
HRS. WO/DP			
HRS. STANDBY			
TOTAL DAY WORK			

WIRE LINE RECORD

REEL NO.	
NO. OF LINES	SIZE
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
33	STANDS D.P.	3086.65 FT.
	SINGLES D.P.	FT.
18	D.C. I.D. O.D.	530.93 FT.
1	D.C. Monel I.D. O.D.	15.48 FT.
	STB. BODY O.D.	6.90 FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
	SUBS Jars O.D.	7.75 FT.
	BIT OR C.B.	1615 FT.
	RHA	FT.
	KELLY DOWN	FT.
	TOTAL	FT.
WT. OF STRING		94m LBS.

BIT RECORD

BIT NO.	RR #10
SIZE	8¾
MFG.	HW
TYPE	J44
NOZZLE NO.	2
NOZZLE SIZE	13
SER. NO.	CM271
DEPTH OUT	
DEPTH IN	3617
TOTAL FTG.	168
TOTAL HR. RUN	29½
COND. OF BIT	Run.
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	100	300	600
WEIGHT	9.3	9.3	9.3
VISC.-SEC	36	38	38
W.L.-C.C.			
FLTR. CK.			
PH	8.5	9.5	9.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
50	Lignite	10	Desco
100	Plaster		
100			

DRILLER: R. Hanley

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
3621	3678	D			45	30	13.		6	5½	69	
										x		
										14		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
3632	2¼		3664					

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12.00	2.15	2¼	DRLG 8¾ hole.
2.15	2.45	½	Survey @ 3632
2.45	3.00	¼	Rig Serv. BOP.
3.00	7.00	4	DRLG 8¾ hole
7.00	7.30	½	Survey @ 3664 — 3664 — 22½ N.05.E
7.30	8.00	½	DRLG 8¾ hole

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
33	STANDS D.P.	FT.
	SINGLES D.P.	FT.
18	D.C. I.D. O.D.	530.93 FT.
	D.C. Monel I.D. O.D.	15.48 FT.
	STB. BODY O.D.	FT.
	STB. BODY O.D.	6.90 FT.
	RMR. BODY O.D.	FT.
	SUBS Jars O.D.	7.75 FT.
	BIT OR C.B.	FT.
	PHA	16.15 FT.
	KELLY DOWN	32.14 FT.
	TOTAL	3696.00 FT.
WT. OF STRING		96m LBS.

BIT RECORD

BIT NO.	RR #10
SIZE	8¾
MFG.	HW
TYPE	J44
NOZZLE NO.	3
NOZZLE SIZE	13
SER. NO.	Cm271
DEPTH OUT	
DEPTH IN	3517
TOTAL FTG.	179'
TOTAL HR. RUN	27¼
COND. OF BIT	Run
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	10 a.m.	1 p.m.	3 p.m.
WEIGHT	9.7+	9.7+	9.7+
VISC.-SEC	36	36	35
W.L.-C.C.	17.5		
FLTR. CK.	2/32		
PH	9.0	9.0	9.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
PLASTER	10 lb		

DRILLER: J. Glennie

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
3678	3696	D			50	15	1300	5½		5½	69	5
								x		x		
								15		14		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8.00	8.15	¼	Rig Service / BOPS
8.15	4.00	7¾	Drlg 8¾ hole

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
33	STANDS D.P.	3046.65 FT.
1	SINGLES D.P.	31.36 FT.
18	D.C. I.D. O.D.	530.93 FT.
1	D.C. Monel I.D. O.D.	15.48 FT.
	STB. BODY O.D.	6.90 FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
	SUBS Jars O.D.	7.75 FT.
	BIT OR C.B.	FT.
	PHA	16.15 FT.
	KELLY DOWN	-25.78 FT.
	TOTAL	36.21 FT.
WT. OF STRING		96m LBS.

BIT RECORD

BIT NO.	RR #10
SIZE	8¾
MFG.	HW
TYPE	J44
NOZZLE NO.	3
NOZZLE SIZE	13
SER. NO.	Cm271
DEPTH OUT	
DEPTH IN	3517
TOTAL FTG.	204
TOTAL HR. RUN	34½
COND. OF BIT	Run
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	6.00	9.00	11.00
WEIGHT	9.2+	9.2	9.2
VISC.-SEC	34	35	35
W.L.-C.C.			
FLTR. CK			
PH	9.0	8.5	8.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: Hanley & Glennie

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
3696	3721				50	15	1250	5½			69	
								x				
								14				

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
3705								

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4.00	4.15	¼	Rig Service / BOPS
4.15	7.00	2¾	Drlg 8¾ hole
7.00	7.30	½	Survey @ 3705 — 22¾ N. 04. E
7.30	12.00	4½	DRLG 8¾ hole

DAILY DRILLING REPORT

REPORT NO. 27 DATE Jan 23 / 11

OPERATOR: Mobil Oil Can. LTD

LEASE: Mobil Hume River

WELL NO. E-09 | FIELD OR DIST. Hume River | COUNTY N.W.T. | STATE Canada

CONTRACTOR: S & T DRILLING (WESTERN) CO. LTD. | RIG NO. 1E

DRILL PIPE STRING: NO. 2 SIZE 4" | TOOL JOINT 5" O.D. | TYPE THD. 3½ IF

SIGNATURE OF OPERATOR'S REPRESENTATIVE: Donna L Meade.

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: J B Gabeya

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	Nat	K 380	14
2.	Nat	K 380	14
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9⅝	Jap	26 J55	21	774	12	750	Cemented to Surface w/ 465 sax 2.5% Cal.

TIME DISTRIBUTION–HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN	2½	5½	7¼
DRILLING ACTUAL		½	
REAMING			
CONDITIONING MUD & CIRCULATING	4½	1½	
TRIPS	¼	¼	¼
LUBRICATE RIG	½		¼
DEVIATION SURVEY		¼	
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
SERVICING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK	
HRS. W/DP	
HRS. WO/DP	
HRS. STANDBY	
TOTAL DAY WORK	

WIRE LINE RECORD

REEL NO.	
NO. OF LINES	SIZE
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
	STANDS D.P.	290 274	FT.
	SINGLES D.P.	3160	FT.
14	D.C. I.D. O.D.	530.93	FT.
	D.C. I.D. O.D.	154.8	FT.
	STB. BODY O.D.	7.78	FT.
	STB. BODY O.D.	6.90	FT.
	RMR. BODY O.D.		FT.
	SUBS O.D.		FT.
	BIT OR C.B.		FT.
Packed hole		1129	FT.
	KELLY DOWN	7.00	FT.
	TOTAL	3517	FT.

WT. OF STRING LBS.

BIT RECORD	
BIT NO.	RR #10
SIZE	8¾
MFG.	H.W.
TYPE	J 44
NOZZLE NO.	3
NOZZLE SIZE	13
SER. NO.	CM 271
DEPTH OUT	
DEPTH IN	3492
TOTAL FTG.	25
TOTAL HR. RUN	9½
COND. OF BIT	1 1 L
REAMER NO.	
REAMER TYPE	

MUD RECORD			
TIME	1⁰⁰	3⁰⁰	6⁰⁰
WEIGHT	9.3	9.3	
VISC.–SEC	37	37	
W.L.–C.C.			
FL TR. CK.			
PH	8.0	8.5	
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Pheelo	50		
Kelzan	100		

DRILLER R. Hambly

FOOTAGE FROM	TO	DR–D RM–R CORE–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL–S PAR'EL–P COM'D–C
3509	3517											

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	3505								

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12.00	1.30	1½	DRLG 8¾ hole
1.30	1.45	¼	Rig Serv. & Bobs.
1.45	2.15	½	Survey @ 3505
~~2.15~~	~~3.15~~	~~1~~	~~trip out. Tight hole & Lost Stab cones~~
2.15	3.15	1	DRLG 8¾ hole
		4¾	Trip out Tight hole L.a.d 7 singles.

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
31	STANDS D.P.		FT.
2	SINGLES D.P.		FT.
18	D.C. 2⅞ I.D. 1¼ O.D.	530.93	FT.
	D.C. Monel I.D. O.D.	154.8	FT.
	STB. BODY O.D.	6.90	FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
	SUBS O.D.	7.75	FT.
	BIT OR C.B.		FT.
P.H.A.		161.5	FT.
	KELLY DOWN	15.17	FT.
	TOTAL	3557.00	FT.

WT. OF STRING 94m LBS.

BIT RECORD	
BIT NO.	RR #10
SIZE	8¾
MFG.	H.W
TYPE	J44
NOZZLE NO.	3
NOZZLE SIZE	13
SER. NO.	Cm271
DEPTH OUT	
DEPTH IN	3492
TOTAL FTG.	65
TOTAL HR. RUN	5½
COND. OF BIT	Run
REAMER NO.	
REAMER TYPE	

MUD RECORD			
TIME	12⁰⁰	3⁰⁰	
WEIGHT	9.3	9.3	
VISC.–SEC	36	37	
W.L.–C.C.			
FL TR. CK.			
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Pheelo	100#		
Caustic	50#		

DRILLER D. Gillmore

FOOTAGE FROM	TO	DR–D RM–R CORE–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO.1 LINER SIZE	PUMP NO.1 S.P.M.	PUMP NO.2 LINER SIZE	PUMP NO.2 S.P.M.	METHOD RUN SGL–S PAR'EL–P COM'D–C
3517	~~3557~~	D			45	35	1300	5½		5½	65	S
								X		X		
								14		14		

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8⁰⁰	8¹⁵	¼	Rig Serv. & Pick up 3 Std Reamer
8¹⁵	8³⁰	¼	Rig Service
8³⁰	10⁰⁰	1½	Run 2W – Reorient Stabs – Bit Reamed – IBS @ 20' – NBS @ 50'
10⁰⁰	10³⁰	½	Reaming 3 Std to Btm
10³⁰	4⁰⁰	5½	Drlg 8¾ hole

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
32	STANDS D.P.	299 489	FT.
1	SINGLES D.P.	2436	FT.
18	D.C. 2⅞ I.D. 1¼ O.D.	530.93	FT.
	D.C. Monel I.D. O.D.	154.8	FT.
	STB. BODY O.D.	6.90	FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
	SUBS O.D.	7.75	FT.
	BIT OR C.B.		FT.
P.H.A.		161.5	FT.
	KELLY DOWN	14.74	FT.
	TOTAL	3621.10	FT.

WT. OF STRING LBS.

BIT RECORD	
BIT NO.	RR #10
SIZE	8¾
MFG.	HW
TYPE	J44
NOZZLE NO.	3
NOZZLE SIZE	13
SER. NO.	Cm271
DEPTH OUT	
DEPTH IN	3492
TOTAL FTG.	93
TOTAL HR. RUN	7¾
COND. OF BIT	Run
REAMER NO.	
REAMER TYPE	

MUD RECORD			
TIME	6⁰⁰	9⁰⁰	11⁰⁰
WEIGHT	9.3	9.3	9.3
VISC.–SEC	36	36	36
W.L.–C.C.			
FL TR. CK			
PH		9.0	8.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER Darryl Rollins

FOOTAGE FROM	TO	DR–D RM–R CORE–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL–S PAR'EL–P COM'D–C
3557	3621	D			45	30	1300			5½	14	
										Λ		
										14		

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	3581	20°							

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4⁰⁰	4¹⁵	¼	Rig Service & B.O.Ps & Kelly cock
4¹⁵	6⁴⁵	2½	Drlg 8¾ hole
6⁴⁵	7¹⁵	½	Survey @ 3581 20°
7¹⁵	12⁰⁰	4¾	Drlg 8¾ hole

DAILY DRILLING REPORT

REPORT NO. 58 DATE Jan 22/11

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
Mobil Oil Canada LTD.	Mobil Oil Hume River	L-09	Hume River	NWT	Canada

CONTRACTOR: S & T DRILLING (WESTERN) CO. LTD. RIG NO. IE

DRILL PIPE STRING NO. 2" SIZE 14" TOOL JOINT 5 11 O.D. TYPE THD. 3½ IF

SIGNATURE OF OPERATOR'S REPRESENTATIVE: Dennis L Moore.

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: AB Galenza

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	Nat	K 380	14
2.	Nat	K 380	14
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9⅝	Jad	26# J55	21	774	12.00	750	Cemented to Surface w/ 465 sax 2.5% Cal.

TIME DISTRIBUTION–HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	7½	4½	7
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS		2½	3½
LUBRICATE RIG	½	¼	XX
DEVIATION SURVEY	½		
TEST B.O.P.		¼	
CUT OFF DRILLING LINE			
REPAIR RIG			
BORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK	
HRS. W/DP	
HRS. WO/DP	
HRS. STANDBY	
TOTAL DAY WORK	

WIRE LINE RECORD

REEL NO.	
NO. OF LINES	SIZE
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	
80	STANDS D.P.	2 804.74 FT.
1	SINGLES D.P.	31.74 FT.
8	D.C. 7¾ I.D. 6¼ O.D.	530.93 FT.
	D.C. Monel I.D. O.D.	15.48 FT.
	STB. BODY O.D.	FT.
	STB. BODY O.D.	7.75 FT.
	RMR. BODY O.D.	FT.
	SUBS Wiper O.D.	6.90 FT.
	BIT OR C.B.	FT.
	Packed hole	16.15 FT.
	KELLY DOWN	FT.
	TOTAL	3044.74 FT.
WT. OF STRING		3447 LBS.

BIT RECORD		
BIT NO.	RR#13	
SIZE	8¾	
MFG.	Smith	
TYPE	4JS	
NOZZLE NO.	3	
NOZZLE SIZE	12	
SER. NO.	GB917	
DEPTH OUT		
DEPTH IN	3337	
TOTAL FTG.		
TOTAL HR. RUN	12½	
COND. OF BIT	Run	
REAMER NO.		
REAMER TYPE		

MUD RECORD			
TIME	12.00	3.00	6.00
WEIGHT	9.2	9.3	9.3
VISC.–SEC	33	36	38
W.L.–C.C.	18.6		
FLTR. CK.	2/32		
PH	8.5	8.5	9.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Sal	1000	Dap B	10
Kelzan	50		
Caustic	50		

DRILLER: A Hanley

FOOTAGE FROM	TO	DR.–D RM.–R CORE.–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PAR'EL–P COM'D–C
3379	3447			Fuel 5'8"	48	38	1450	5½	69			
								X				
								14				

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	3345	17¾°							

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12.00	1.45	1¾	DRLG. 8¾ hole
1.45	2.00	¼	Rig Serv ✓ Baps.
2.00	2.30	½	Survey @ 3385'
2.30	8.00	5½	DRLG. 8¾ hole

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	
81	STANDS D.P.	2902.78 FT.
	SINGLES D.P.	FT.
18	D.C. I.D. O.D.	530.93 FT.
	D.C. Monel I.D. O.D.	15.48 FT.
	STB. Ford BODY O.D.	7.75 FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
	SUBS Wiper O.D.	6.90 FT.
	BIT OR C.B.	FT.
	Packed hole	11.25 FT.
	KELLY DOWN	16.91 FT.
	TOTAL	3489.00 FT.
WT. OF STRING		94m LBS.

BIT RECORD		
BIT NO.	RR#13	RR#10
SIZE	8¾	✓
MFG.	Smith	HW
TYPE	4JS	J44
NOZZLE NO.	3	3
NOZZLE SIZE	12	13
SER. NO.	GB917	Cm271
DEPTH OUT	3492	
DEPTH IN	3337	3492
TOTAL FTG.	155	
TOTAL HR. RUN	18½	
COND. OF BIT	2-2-1	
REAMER NO.		
REAMER TYPE		

MUD RECORD		
TIME	8.00	11.00
WEIGHT	9.3+	9.3
VISC.–SEC	31	37
W.L.–C.C.	16.	
FLTR. CK.	2/32	
PH	9.5	
SD. CONT. %		
PRESSURE GRADIENT		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	100		

DRILLER: J Perrin

FOOTAGE FROM	TO	DR.–D RM.–R CORE.–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PAR'EL–P COM'D–C
3447	3492	D			48	38	1450	5½	69			S
								X				
								14				

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	3458	18°		3488	19½				

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8.00	8.15	¼	Rig Service ✓ Bops ✓ Kelly cock
8.15	9.00	¾	Drlg 8¾ hole
9.00	9.30	½	Survey @ 3458
9.30	12.30	3	Drlg 8¾ hole
12.30	1.00	½	Survey @ 3488 19½
1.00	1.30	½	Drlg 8¾ hole
1.30	3.15	1¾	Hoist + Trip for bit ✓ Stblzr Lay down bit Pump
3.15	3.30	¼	✓ Pump ✓ Make up bit Pump #10 J44

3.30–4.00 – ½ Pump 2x – Opposition Stabilized 185 3 HRS 70' from bit.

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	
81	STANDS D.P.	2902.78 FT.
	SINGLES D.P.	FT.
18	D.C. I.D. O.D.	530.93 FT.
	D.C. Monel I.D. O.D.	15.48 FT.
	STB. Ford BODY O.D.	7.75 FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
	SUBS Wiper O.D.	6.90 FT.
	BIT OR C.B.	FT.
	Packed hole	12.25 FT.
	KELLY DOWN	34.00 FT.
	TOTAL	3509.85 FT.
WT. OF STRING		94m LBS.

BIT RECORD		
BIT NO.	RR#10	
SIZE	8¾	
MFG.	HW	
TYPE	J44	
NOZZLE NO.	3	
NOZZLE SIZE	13	
SER. NO.	Cm271	
DEPTH OUT	3492	
DEPTH IN	3492	
TOTAL FTG.	17	
TOTAL HR. RUN	7	
COND. OF BIT	Run	
REAMER NO.		
REAMER TYPE		

MUD RECORD		
TIME	4.00	11.00
WEIGHT	9.3	9.3
VISC.–SEC	34	36
W.L.–C.C.	16.0	
FLTR. CK	3/32	
PH	9.0	9.0
SD. CONT. %		
PRESSURE GRADIENT		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER

FOOTAGE FROM	TO	DR.–D RM.–R CORE.–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PAR'EL–P COM'D–C
3492	3509	D			52	15	1300	5½	69	5½		S
							1300	X		X	68	
								14		14		

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4.00	4.45	¾	Trip Rig 2 x W Hoist #RR10
4.45	5.00	¼	Rig Service ✓ Bops
5.00	12.00	7	Drlg 8¾ hole

KODAK SAFETY FI

DAILY DRILLING REPORT

REPORT NO. 58 DATE Jan 21/11

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
Mobil Oil Canada LTD.	Mobil Oil Hume River	L-09	Hume River	NWT	Canada

CONTRACTOR: S & T DRILLING (WESTERN) CO. LTD. RIG NO. 1E

DRILL PIPE STRING: NO. 2, SIZE 4" — TOOL JOINT 5" O.D. — TYPE THD 3½ IF

SIGNATURE OF OPERATOR'S REPRESENTATIVE: L Leismister

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: M Hallenga

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NOT	K 350	14
2.	NOT	K 350	14
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9 5/8	Jap	36# J55	21	774	12.00	750	Cemented to Surface w/ 465 sx 2.5% Cal

TIME DISTRIBUTION–HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	5½		
REAMING	4½		
CONDITIONING MUD & CIRCULATING			
TRIPS	3½		
LUBRICATE RIG	¼		
DEVIATION SURVEY	1½		
TEST B.O.P.	1¼		
CUT OFF DRILLING LINE			
REPAIR RIG			
CASING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER	¾		
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK	
HRS. W/DP	
HRS. WO/DP	
HRS. STANDBY	
TOTAL DAY WORK	

WIRE LINE RECORD

REEL NO.	
NO. OF LINES / SIZE	
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
33	STANDS D.P.	308777 FT.
1	SINGLES D.P.	FT.
	D.C. I.D. O.D.	17547 FT.
	D.C. Monel I.D. O.D.	1548 FT.
	STB. BODY O.D.	160 FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
	SUBS Rich O.D.	80 FT.
	BIT OR C.B.	10 FT.
	Dyna Drill	1945 FT.
	KELLY DOWN	41.00 FT.
	TOTAL	3337 FT.
WT. OF STRING		72300 LBS.

BIT RECORD

BIT NO.	RR #2
SIZE	8 3/4
MFG.	Chris
TYPE	D
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	EF 7070
DEPTH OUT	3337
DEPTH IN	3244
TOTAL FTG.	93
TOTAL HR. RUN	20¾
COND. OF BIT	Run
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	12.00	3.00	6.00
WEIGHT	9.2	9.2	9.2
VISC.-SEC	36	37	37
W.L.-C.C.			
FL TR. CK.			
PH	8.5	9.5	9.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Soda Ash	25#		
Kelzan	100		
Caustic	50		

DRILLER R Tomlinson

FOOTAGE

FROM	TO	DR.-D RM.-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
3306	3337	D			V	15	1000	5½	64			
								^				
								14				

DEVIATION RECORD: DEPTH 3327 — DEV. — DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12.00	12.15	¼	Rig Serv.
12.15	5.45	3½	DRLG 8¾ hole w/ Dyna Drill
5.15	7.15	1½	Survey @ 3327
7.15	8.00	¾	Pump out 4 singles.
			Held BLow out drill on survey

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
29	STANDS D.P.	271.80 FT.
1	SINGLES D.P.	27.00 FT.
18	D.C. I.D. O.D.	530.93 FT.
	D.C. Monel I.D. O.D.	15.48 FT.
	STB. BODY O.D.	FT.
	STB. BODY O.D.	7.75 FT.
	RMR. BODY O.D.	FT.
	SUBS Suspended O.D.	6.90 FT.
	BIT OR C.B.	FT.
	Packed Hole	16.15 FT.
	KELLY DOWN	FT.
	TOTAL	FT.
WT. OF STRING		93m LBS.

BIT RECORD

BIT NO.	RR #3
SIZE	8 3/4
MFG.	Smith
TYPE	4JS
NOZZLE NO.	3
NOZZLE SIZE	12
SER. NO.	GB917
DEPTH OUT	
DEPTH IN	3337
TOTAL FTG.	
TOTAL HR. RUN	
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME			4 P.M.
WEIGHT			9.2
VISC.-SEC			36
W.L.-C.C.			
FL TR. CK.			
PH			9.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
PLASTER	100 lb		

DRILLER D.G. Glennie

FOOTAGE

FROM	TO	DR.-D RM.-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
3337				Steps out 3340.74								
3244	3280	R		Tally 3337.89								
				Diff - 4.85 Correction made								

DEVIATION RECORD: DEPTH — DEV. — DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8.00	9.30	1½	Hoist - Lay down Dyna drill
9.30	9.45	¼	Rig Service - B.O.P's
9.45	11.45	2	TIH - Pick up packed hole assy w/ wiper 3 jts
11.45	3.00	3¼	Ream 8 3/4" hole from 3244 - Worked tight hole - Reaming 8 3/4" hole to 8 3/4" from 3244
3.00	4.00	1	

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
24	STANDS D.P.	271.67 FT.
2	SINGLES D.P.	62.65 FT.
18	D.C. I.D. O.D.	530.93 FT.
	D.C. Monel I.D. O.D.	15.48 FT.
	STB. BODY O.D.	FT.
	STB. BODY O.D.	7.75 FT.
	RMR. BODY O.D.	FT.
	SUBS Wiper O.D.	6.40 FT.
	BIT OR C.B.	FT.
	Packed hole	16.15 FT.
	KELLY DOWN	25.00 FT.
	TOTAL	3379 FT.
WT. OF STRING		93m LBS.

BIT RECORD

BIT NO.	RR #3
SIZE	8 3/4
MFG.	Smith
TYPE	4JS
NOZZLE NO.	3
NOZZLE SIZE	12
SER. NO.	GB917
DEPTH OUT	
DEPTH IN	3337
TOTAL FTG.	42
TOTAL HR. RUN	5
COND. OF BIT	Run
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME			
WEIGHT			
VISC.-SEC			
W.L.-C.C.			
FL TR. CK			
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER

FOOTAGE

FROM	TO	DR.-D RM.-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
3337	3379	D			48	3	1450	5½	69			

DEVIATION RECORD: DEPTH — DEV. — DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4.00	6.30	2½	Reaming 8 3/4" hole to 8 3/4" hole
6.30	9.15	2 3/4	Drlg 8 3/4" hole
9.15	9.45	½	Survey @ 3354
9.45		2¼	Drlg 8 3/4 hole.
			Change Head & Liner #1 1390 Dave Eades

DAILY DRILLING REPORT

REPORT NO. 26 DATE Jan 30 '11

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
Mobil Oil Canada LTD.	Mobil Oil Hume River	L-09	Hume River	NWT	Canada

CONTRACTOR: S & T DRILLING (WESTERN) CO. LTD. RIG NO.: IE

DRILL PIPE STRING: NO. 2, SIZE 4" TOOL JOINT 5" O.D. TYPE THD. 3½ IF

SIGNATURE OF OPERATOR'S REPRESENTATIVE: L Lemieux

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: S Galeazzi

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	Nat	K 380	14
2.	Nat	K 380	17
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9 5/8	Jap	26# J55	21	774	12.00	750	Cemented to Surface w. 465 sax 2.5% Cal.

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & DRLG.	1 3/4		
DRILLING ACTUAL	6 3/4	6 3/4	6 1/2
REAMING	1/4		
CONDITIONING MUD & CIRCULATING			
TRIPS	4 1/4		
LUBRICATE RIG			1/4
DEVIATION SURVEY	1/4	1/4	1/4
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
CASING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
Orienting OTHER Dyna D.	1 1/2		
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	4	4	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK			
HRS. W/DP			
HRS. WO/DP			
HRS. STANDBY			
TOTAL DAY WORK			

WIRE LINE RECORD

REEL NO.

NO. OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
32	STANDS D.P.	2992.96 FT.
1	SINGLES D.P.	31.64 FT.
6	D.C. I.D. O.D.	175.44 FT.
1	D.C. Monel I.D. O.D.	15.48 FT.
XO	STB. BODY O.D.	1.80 FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
Kick	SUBS O.D.	.80 FT.
	BIT OR C.B.	1.00 FT.
1	DynaD	19.45 FT.
	KELLY DOWN	11.00 FT.
	TOTAL	3244.67 FT.
WT. OF STRING		72m LBS.

BIT RECORD

BIT NO.	RR #2
SIZE	8 2 3/32
MFG.	Chris
TYPE	D
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	FC1270 18
DEPTH OUT	
DEPTH IN	3244
TOTAL FTG.	5
TOTAL HR. RUN	1 3/4
COND. OF BIT	Run.
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	4		6.00
WEIGHT	4		9.3
VISC.-SEC	R		32
W.L.-C.C.	R		
FL TR. CK.	T		
PH	T		8.5
SD. CONT. %	P		
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER R Hurley

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
3244	3249			Fuel 7'3"	V	5	1000	5½				
								x				
								14				

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12.00	2.45	2.45	Trip out For Dyna Drill
2.45	4.15	1 1/2	Picked up Dyna Drill x Run in.
4.15	4.45	1/2	Clean to Bottom.
4.45	6.15	1 1/2	Orienting Dyna Drill.
6.15	8.00	1 3/4	DRLG 8¾ hole w/ Dyna Drill.
			CHECKED MOTOR SHUTOFFS

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
32	STANDS D.P.	2992.96 FT.
1	SINGLES D.P.	31.68 FT.
6	D.C. I.D. O.D.	175.44 FT.
Monel	D.C. I.D. O.D.	15.48 FT.
XO	STB. BODY O.D.	1.80 FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
Kick	SUBS O.D.	.80 FT.
	BIT OR C.B.	1.00 FT.
Dynadrill		19.45 FT.
	KELLY DOWN	11.00 FT.
	TOTAL	3274.00 FT.
WT. OF STRING		72m LBS.

BIT RECORD

BIT NO.	RR #2
SIZE	8 23/32
MFG.	Chris
TYPE	D
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	FC1270 18
DEPTH OUT	
DEPTH IN	3244
TOTAL FTG.	31
TOTAL HR. RUN	8 1/2
COND. OF BIT	Run
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	9.00	12.00	3.00
WEIGHT	9.3	9.3	9.3
VISC.-SEC	36	37	38
W.L.-C.C.	14.8	15.0	15.0
FL TR. CK.	2/32	2/32	2/32
PH	8.5	8.5	9.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Caustic	100#	Kelzan	50#
Lime	500#	Flotex	50#
Desco	10#		

DRILLER G Clemieux

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
3249	3274	D			—	6	1000	5½	68			5
								x				
								14				

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8.00	2.45	6 3/4	Drlg 8¾" Hole w/ Dyna Drill
2.45	4.00	1 1/4	Surveying - Run 1 Shot.
			Held Blowout drill on Survey

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
33	STANDS D.P.	3087.77 FT.
	SINGLES D.P.	FT.
6	D.C. I.D. O.D.	175.44 FT.
1	D.C. Monel I.D. O.D.	15.48 FT.
	STB. BODY XO O.D.	1.80 FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
Kick	SUBS O.D.	.80 FT.
	BIT OR C.B.	1.00 FT.
1	Dyna D.	19.45 FT.
	KELLY DOWN	4.36 FT.
	TOTAL	3306 FT.
WT. OF STRING		72m. LBS.

BIT RECORD

BIT NO.	RR #2
SIZE	8 23/32
MFG.	Chris
TYPE	D
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	FC1270 18
DEPTH OUT	
DEPTH IN	3244
TOTAL FTG.	62
TOTAL HR. RUN	13 1/4
COND. OF BIT	Run
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	5.00	9.00	11.00
WEIGHT	9.3	9.2	9.2
VISC.-SEC	38	37	36
W.L.-C.C.	15.2		
FL TR. CK	3/32		
PH	9.0	9.0	9.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER Gary & Robbie

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
3274	3306	D			—		1000	5½	68			5
								x				
								14				

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
3275	20	N 16 E						

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4.00	4.15	1/4	Rig Service
4.15	5.00	3/4	Run 1 Shot Survey
5.00	11.00	6	Drlg 8 23/32 hole w/ Dyna drill
11.00	11.30	1/2	Survey @ 3275
11.30	12.00	1/2	Drlg 8 23/32 hole w/ Dyna Drill

DAILY DRILLING REPORT

REPORT NO. 55 DATE Jan 19/71

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
Mobil Oil Canada LTD	Mobil Oil Hume River	L-09	Hume River	N WT	Canada

CONTRACTOR: S & T DRILLING (WESTERN) CO. LTD. RIG NO. IE

DRILL PIPE STRING NO. / SIZE — TOOL JOINT O.D. — TYPE THD.

SIGNATURE OF OPERATOR'S REPRESENTATIVE: L Clemmer

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: A Belanger

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NoT	K 380	14"
2.	NoT	K 380	14"
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9 5/8	Jap.	26 J 55	21	774	12.00	750	Cemented to Surface
							445 sax 2.5% Cal.

TIME DISTRIBUTION–HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	7 1/4		
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG	1/4		
DEVIATION SURVEY	1/2		
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
FISHING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			
FISHING			

COMPLETION WORK: A. PERFORATING; B. TUBING TRIPS; C. SWABBING; D. TESTING; E. ADDITIONAL; TOTALS 8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK	
HRS. W/DP	
HRS. WO/DP	
HRS. STANDBY	
TOTAL DAY WORK	

WIRE-LINE RECORD

REEL NO.	
NO. OF LINES	SIZE
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
32	STANDS D.P.	2992.94 FT.
3	SINGLES D.P.	31.64 FT.
6	D.C. I.D. O.D.	175.49 FT.
1	D.C. Monel I.D. O.D.	15.45 FT.
1	STB. Bent BODY O.D.	6.0 FT.
1	STB. BODY O.D.	FT.
1	RMR. Chang BODY O.D.	1.86 FT.
	SUBS O.D.	FT.
	BIT OR C.B.	1.00 FT.
1	Dyna Dr. M	19.45 FT.
	KELLY DOWN	25.00 FT.
	TOTAL	3232.01 FT.
WT. OF STRING	72 m	LBS.

BIT RECORD

BIT NO.	RR #2	
SIZE	8 3/32	
MFG.	Chris.	
TYPE	D	
NOZZLE NO.		
NOZZLE SIZE		
SER. NO.	EC127018	
DEPTH OUT		
DEPTH IN	3137	
TOTAL FTG.	95	
TOTAL HR. RUN	14 1/2	
COND. OF BIT	Run	
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	2.00	4.00	6.00
WEIGHT	9.2+	9.2+	9.2
VISC.-SEC	37	36	36
W.L.-C.C.			
FL.TR. CK.			
PH	9.0	9.0	8.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	500		
Soda Ash	100		
Kelzan	100		

DRILLER R. Hanley

FOOTAGE

FROM	TO	DR.–D RM.–R CORE–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PAR'EL–P COM'D–C
32.00	7232			Fuel 7'9"	V							
						5	1000	5 1/2	68	5 1/2		
										5 1/4		

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12.00	2.45	2 3/4	DRLG. 8 3/4 hole w/ Dyna Drill
2.45	3.00	1/4	Rig Serv. & BOPs.
3.00	3.30	1/2	Survey @ 7202.
3.30	8.00	4 1/2	DRLG. 8 3/4 hole w/ Dyna Drill

Checked all Fire Extinguishers.

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
32	STANDS D.P.	2992.58 FT.
3	SINGLES D.P.	31.68 FT.
6	D.C. 7 7/8 O.D. I.D.	175.46 FT.
1	D.C. Monel I.D. O.D.	15.48 FT.
X	STB. BODY O.D.	1.86 FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
Void	SUBS O.D.	.80 FT.
	BIT ~~O.C.B.~~	1.00 FT.
Dyna Drill		19.45 FT.
	KELLY DOWN	41.00 FT.
	TOTAL	3144.00 FT.
WT. OF STRING	72 m	LBS.

BIT RECORD

BIT NO.	RR #2	
SIZE	8 3/32	
MFG.	Chris	
TYPE	D	
NOZZLE NO.		
NOZZLE SIZE		
SER. NO.	EC127018	
DEPTH OUT	3244	
DEPTH IN	3137	
TOTAL FTG.	107	
TOTAL HR. RUN	22	
COND. OF BIT	Good	
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	10 AM	
WEIGHT	9.2+	
VISC.–SEC	38	
W.L.–C.C.	13.2	
FL.TR. CK.	2/32	
PH	9.5	
SD. CONT. %		
PRESSURE GRADIENT		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER B. Clemmer

FOOTAGE

FROM	TO	DR–D RM–R CORE–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PAR'EL–P COM'D–C
3232	3244	D			—	5	1000	5 1/2	68			
								X				
								5 1/4				

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8.00	10.30	2 1/2	Drlg 8 3/4 hole w/ Dyna drill
10.30	10.45	1/4	Rig Service & B.O.Ps
10.45	12.30	1 3/4	Surveying (Ran 3 Shots)
12.30	3.00	2 1/2	Hoist 5 Stands - hole tight 4 Stds. Lay down dyna drill
3.00	3.15	1/4	Ream 3 pick up bit Reamer
3.15	4.00	3/4	Slip & Cut drlg line

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
	STANDS D.P.	FT.
	SINGLES D.P.	FT.
	D.C. I.D. O.D.	FT.
	D.C. I.D. O.D.	FT.
	STB. BODY O.D.	FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
		FT.
	KELLY DOWN	FT.
	TOTAL	FT.
WT. OF STRING		LBS.

BIT RECORD

BIT NO.		
SIZE		
MFG.		
TYPE		
NOZZLE NO.		
NOZZLE SIZE		
SER. NO.		
DEPTH OUT		
DEPTH IN		
TOTAL FTG.		
TOTAL HR. RUN		
COND. OF BIT		
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	9.00	12.00
WEIGHT	9.2	9.2
VISC.–SEC	38	34
W.L.–C.C.		
FL.TR. CK		
PH	9.0	9.0
SD. CONT. %		
PRESSURE GRADIENT		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER

FOOTAGE

FROM	TO	DR–D RM–R CORE–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PAR'EL–P COM'D–C
3244												

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4.00	4.15	1/4	Rig Service
4.15	5.30	1 1/4	Ream 30' w/ Reamer bit #12 & bit Reamer
5.30	9.30	4.0	~~Drlg~~ & Ream 8 3/32" hole to 8 3/4" from 3137-3244
9.30	10.00	1/2	Survey
10.00	11.30	1 1/2	Worked tight hole & Circ. to trip
11.30	12.00	1/2	Pump out 3 singles.

DAILY DRILLING REPORT — REPORT NO. 541 — DATE Jan 19/71

OPERATOR: Mobil Oil Canada LTD
LEASE: Mobil Oil Hume River
WELL NO. 1-09 — FIELD OR DIST. Hume River — COUNTY NWT — STATE Canada
CONTRACTOR: S & T DRILLING (WESTERN) CO. LTD. — RIG NO. IE
DRILL PIPE STRING: NO. 2" — SIZE 4½" — TOOL JOINT 5" O.D. — TYPE THD. 3½ IF
SIGNATURE OF OPERATOR'S REPRESENTATIVE: L Lemaire
SIGNATURE OF CONTRACTOR'S TOOL PUSHER: A Belanger

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NOT	K 340	14
2.	NOT	K 340	14
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9⅝	Jap.	36 J55	21	774	12.00	750	Cemented to Surface w/ 465 sax. 2.57 Cals.

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL		5¼	7½
REAMING Clean to Bot	¾		
CONDITIONING MUD & CIRCULATING			
TRIPS	7¼		
LUBRICATE RIG		¼	
DEVIATION SURVEY		2¼	X
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
SHOOTING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER		X	
FISHING			
COMPLETION WORK: A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	4

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK			
HRS. W/DP			
HRS. WO/DP			
HRS. STANDBY			
TOTAL DAY WORK			

WIRE LINE RECORD

REEL NO.	
NO. OF LINES	SIZE
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
31	STANDS D.P.	29296.2	FT.
	SINGLES D.P.		FT.
6	D.C. I.D. O.D.	175.44	FT.
1	D.C. Monel I.D. O.D.	15.44	FT.
1	STB. Bent BODY O.D.	8.0	FT.
	ST. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
1	SUBS Bit O.D.	1.00	FT.
	Changeover BIT OR C.B.	1.86	FT.
1	DynaDrill	19.45	FT.
	KELLY DOWN	29.00	FT.
	TOTAL	3137	FT.
WT. OF STRING	72	LBS.	

BIT RECORD

BIT NO.	RR #2
SIZE	8 2¾/32
MFG.	Chris
TYPE	◇
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	EC 127014
DEPTH OUT	
DEPTH IN	3137
TOTAL FTG.	
TOTAL HR. RUN	
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME			
WEIGHT			
VISC.-SEC			
W.L.-C.C.			
FL.TR. CK.			
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER R Hardy

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
3137												

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12.00	3.00	3	Trip out for Dyna Drill & Laid down all Stab
3.00	4.00	1	Picked Dyna Drill & Monel Collar
4.00	7.15	3¼	Run in w/ Dyna Drill & Picked 12 singles.
7.15	4.00	¾	Clean to Bottom.

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
31	STANDS D.P.	2953.19	FT.
2	SINGLES D.P.	193.44	FT.
6	D.C. I.D. O.D.	175.44	FT.
1	D.C. Monel I.D. O.D.	15.48	FT.
1	STB. Bent BODY O.D.	15.45	FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
	SUBS O.D.		FT.
	BIT OR C.B.	1.00	FT.
1	Rich Sub	.80	FT.
	KELLY DOWN	18.34	FT.
	TOTAL	3162.00	FT.
WT. OF STRING	72m	LBS.	

BIT RECORD

BIT NO.	RR #2
SIZE	8 2¾/32
MFG.	Chris
TYPE	◇
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	EC 127018
DEPTH OUT	
DEPTH IN	3137
TOTAL FTG.	25'
TOTAL HR. RUN	4¾
COND. OF BIT	Run
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	10.00	1.00	3.00
WEIGHT	9.2	9.2	9.2
VISC.-SEC	37	38	39
W.L.-C.C.	13.4		13.4
FL.TR. CK.	2/32		2/32
PH	8.5		9.6
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Caustic	50#		
Desilde	10#		

DRILLER J Z Gilmore

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
3137	3162	D			—	5	1000	5½	68			S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8.00	8.15	¼	Rig Service w/ B.O.P.
8.15	8.30	¼	Clean to btm
8.30	10.00	1½	Orienting Dyna drill
10.00	12.45	2¾	Dlg 8¾" hole w/ Dyna drill
12.45	1.30	¾	Survey & Orientation
1.30	4.00	2½	Dlg 8¾" hole w/ DD

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
32	STANDS D.P.	2961.30	FT.
	SINGLES D.P.		FT.
6	D.C. I.D. O.D.	175.44	FT.
1	D.C. Monel I.D. O.D.	15.45	FT.
1	STB. Bent drill BODY O.D.	14.45	FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
1	SUBS Change O.D.	1.86	FT.
	BIT OR C.B.	1.00	FT.
1	Rich Sub	.80	FT.
	KELLY DOWN	25.00	FT.
	TOTAL	3162.00	FT.
WT. OF STRING	72 m	LBS.	

BIT RECORD

BIT NO.	RR #2
SIZE	8 ¾
MFG.	Chris.
TYPE	◇
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	EC 127018
DEPTH OUT	
DEPTH IN	3137
TOTAL FTG.	63.
TOTAL HR. RUN	12¼
COND. OF BIT	Run.
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME			
WEIGHT			9.2
VISC.-SEC			38
W.L.-C.C.			
FL.TR. CK			
PH			9
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER Lemay & Rollie

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
3162	3200				—	5	1000	5½	64			S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
3171								

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4.00	8.30	4½	Dlg 8¾" hole w/ DD
4.00	8.30	½	Survey @ 3171.
8.30	12.00	3½	DRLG.

DAILY DRILLING REPORT

REPORT NO. 33 DATE Jan 11-11

OPERATOR: Mobil Oil Canada LTD

LEASE: Mobil Oil Hume River

CONTRACTOR: S & T DRILLING (WESTERN) CO. LTD.

RIG NO.: I E

DRILL PIPE STRING: NO. 2" SIZE 4½"

TOOL JOINT: 5" O.D. TYPE THD. 3½ IF

SIGNATURE OF OPERATOR'S REPRESENTATIVE: T Klassmeister

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: A Hoseya

WELL NO. L-09 | FIELD OR DIST. Hume River | COUNTY NWT | STATE Canada

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	Nat	K-380	14"
2.	Nat	K 380	14"
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9⅝	Jap.	36# J55	21	774	12.00	750	Cemented To Surface w/ 465sax 2.5% Cacl

TIME DISTRIBUTION–HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	7¾	16½	4¾
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			¼
LUBRICATE RIG	¼	¼	¼
DEVIATION SURVEY		1¼	¾
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
WELDING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK

HRS. W/DP

HRS. WO/DP

HRS. STANDBY

TOTAL DAY WORK

WIRE LINE RECORD

REEL NO.

NO. OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OF TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
26	STANDS D.P.	2429.54	FT.
	SINGLES D.P.	30.74	FT.
14	D.C. I.D. O.D.	531.33	FT.
1	D.C. Monel I.D. O.D.	15.48	FT.
2	STB. BODY O.D.	11.16	FT.
1	STB. BODY O.D.	6.47	FT.
	RMR. BODY O.D.		FT.
	SUBS O.D.		FT.
	BIT OR C.B.		FT.
1	Jars.	7.76	FT.
	KELLY DOWN	37.00	FT.
	TOTAL	3070	FT.
WT. OF STRING	92 M	LBS.	

BIT RECORD

BIT NO.	13	
SIZE	8¾	
MFG.	Smith	
TYPE	4JS	
NOZZLE NO.	3	
NOZZLE SIZE	12	
SER. NO.	GB917	
DEPTH OUT		
DEPTH IN	2917	
TOTAL FTG.	153	
TOTAL HR. RUN	29	
COND. OF BIT	Run	
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	12.00	3.00	5.00
WEIGHT	9.1	9.2	9.2
VISC.-SEC	35	37	36
W.L.-C.C.			
FLTR. CK.			
PH	9.0	9.0	8.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	500		
Flash	100		
Kelzan	100		

DRILLER R. Hanby

FOOTAGE

FROM	TO	DR.–D RM.–R CORE.–C	CORE NO.
3037	3070	D	

FORMATION (SHOW CORE RECOVERY)

ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PAR'EL–P COM'D–C
½	15	1450	5½	69			
			x				
			14				

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12.00	1.00	1	D.R.L.G. 8¾ hole
1.00	1.15	¼	Rig Serv. & BOPs.
1.15	8.00	6¾	D.R.L.G. 8¾ hole

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
26	STANDS D.P.	2429.54	FT.
2	SINGLES D.P.	62.60	FT.
14	D.C. I.D. O.D.	531.33	FT.
1	D.C. Monel I.D. O.D.	15.48	FT.
2	STB. BODY O.D.	11.16	FT.
1	STB. BODY O.D.	6.97	FT.
	RMR. BODY O.D.		FT.
	SUBS O.D.		FT.
	BIT OR C.B.		FT.
1	Jars	7.76	FT.
	KELLY DOWN	31.00	FT.
	TOTAL	3105.85	FT.
WT. OF STRING	93m	LBS.	

BIT RECORD

BIT NO.	13	
SIZE	8¾	
MFG.	Smith	
TYPE	4JS	
NOZZLE NO.	3	
NOZZLE SIZE	12	
SER. NO.	GB917	
DEPTH OUT		
DEPTH IN	2917	
TOTAL FTG.	188	
TOTAL HR. RUN	35½	
COND. OF BIT	Run	
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	9.00	12.00	3.00
WEIGHT	9.2	9.2	9.2
VISC.-SEC	41	42	40
W.L.-C.C.			12.0
FLTR. CK.			2/32
PH			9.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Vertex	100#		
Caustic	50#		
Dowcide	10#		

DRILLER R Klassmeister

FOOTAGE

FROM	TO	DR.–D RM.–R CORE.–C	CORE NO.
3070	3105	D	

FORMATION (SHOW CORE RECOVERY)

ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PAR'EL–P COM'D–C
90	12	1450	5½	68			S
			x				
			14				

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
3074	19°	N 07 W						

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8.00	8.45	¾	Drlg 8¾ hole
8.45	9.00	¼	Rig Service & BOPs
9.00	10.00	1	Survey @ 3074 Ft (Made Reamed 1st picture Hazy.)
10.00	3.45	5¾	Drlg 8¾ hole
3.45	4.00	¼	Survey @ 3105

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
27	STANDS D.P.	2523.87	FT.
	SINGLES D.P.	31.32	FT.
	D.C. I.D. O.D.	531.33	FT.
1	D.C. Monel I.D. O.D.	15.48	FT.
2	STB. BODY O.D.	11.16	FT.
1	STB. BODY O.D.	6.97	FT.
	RMR. BODY O.D.		FT.
	SUBS O.D.		FT.
	BIT OR C.B.		FT.
1	Jars	7.76	FT.
	KELLY DOWN	10.00	FT.
	TOTAL	3137	FT.
WT. OF STRING		LBS.	

BIT RECORD

BIT NO.	13	
SIZE	8¾	
MFG.	Smith	
TYPE	4JS	
NOZZLE NO.	3	
NOZZLE SIZE	12	
SER. NO.	GB917	
DEPTH OUT	3137	
DEPTH IN	2917	
TOTAL FTG.	215	
TOTAL HR. RUN	47¼	
COND. OF BIT	1 1 1	
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME			
WEIGHT			
VISC.-SEC			
W.L.-C.C.			
FLTR. CK			
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER

FOOTAGE

FROM	TO	DR.–D RM.–R CORE.–C	CORE NO.
3105	3137	D	

FORMATION (SHOW CORE RECOVERY)

ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PAR'EL–P COM'D–C
90	15	1450	5½	69			
			x				
			14				

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
3126	19½	N 08 W						

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4.00	4.15	¼	Survey
4.15	4.30	¼	Rig Service & B.O.P's
4.30	10.30	6	D.R.L.G. 8¾ hole
10.30	11.00	½	Survey at 3126
11.00	11.45	¾	D.R.L.G. 8¾ hole
11.45	12.00	¼	Trip for Dyna Drill

DAILY DRILLING REPORT

REPORT NO. 32 DATE Jan 16/77

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
Mobil Oil Canada LTD.	Mobil Oil Hume River	L-09	Hume River	NWT	Canada

CONTRACTOR	RIG NO.	DRILL PIPE STRING NO.	DRILL PIPE STRING SIZE	TOOL JOINT	O.D.
S & T DRILLING (WESTERN) CO. LTD.	IE	2	4"	TYPE THD. 3½ IF	

SIGNATURE OF OPERATOR'S REPRESENTATIVE: L Lesmeister

SIGNATURE OF CONTRACTOR'S TOOL PUSHER:

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	Nat.	K-380	14"
2.	Nat	K-380	14"
3.			

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
	9 5/8	Jap.	36# J55	21	774	12.00	750	Cemented To Surface w/ 465sox 2.5% CaCl

TIME DISTRIBUTION–HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	7½	7¼	5
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS		½	2½
LUBRICATE RIG	¼	¼	¼
DEVIATION SURVEY	½		
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
BORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER Fish Lite Bar			¼
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK			
HRS. W/DP			
HRS. WO/DP			
HRS. STANDBY			
TOTAL DAY WORK			

WIRE LINE RECORD

REEL NO.

NO. OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
29	STANDS D.P.	2334.54 FT.
1	SINGLES D.P.	31.53 FT.
18	D.C. I.D. O.D.	531.33 FT.
1	D.C. Monel I.D. O.D.	15.48 FT.
2	STB. BODY O.D.	11.16 FT.
1	STB. BODY Wear O.D.	6.97 FT.
1	RMR. BODY O.D.	4.85 FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
1	Jars	7.76 FT.
	KELLY DOWN	FT.
	TOTAL	FT.
WT. OF STRING		LBS.

BIT RECORD

BIT NO.		13
SIZE		8¾
MFG.		Smith
TYPE		4JS
NOZZLE	NO.	3
	SIZE	12
SER. NO.		GR917
DEPTH OUT		
DEPTH IN		2917
TOTAL FTG.		
TOTAL HR. RUN		56
COND. OF BIT		9
REAMER NO.		Run
REAMER TYPE		

MUD RECORD

TIME	100	300
WEIGHT	9.1	9.1
VISC.–SEC	36	34
W.L.–C.C.		
FL.TR. CK.		
PH	9.0	9.0
SD. CONT. %		
PRESSURE GRADIENT		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER R Hanly.

FOOTAGE

FROM	TO	DR–D RM–R CORE–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.–S PAR'EL–P COM'D–C
2925		D			45	30	1425	5½	64			
	2973							x				
								14				

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	2943	1°	N 3° W						

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12.00	12.15	¼	Rig Service
12.15	4.30	4¼	DRLG 8¾ hole
4.30	5.00	½	Survey @ 2943
5.00	8.00	3	DRLG 8¾ hole

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
26	STANDS D.P.	2429.54 FT.
	SINGLES D.P.	FT.
18	D.C. I.D. O.D.	531.33 FT.
1	D.C. Monel I.D. O.D.	15.48 FT.
2	STB. BODY O.D.	11.16 FT.
1	STB. BODY Wear O.D.	6.97 FT.
	RMR. BODY O.D.	FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
1	Jars	7.76 FT.
	KELLY DOWN	33.76 FT.
	TOTAL	3037.00 FT.
WT. OF STRING		LBS.

BIT RECORD

BIT NO.		13
SIZE		8¾
MFG.		Smith
TYPE		4JS
NOZZLE	NO.	3
	SIZE	12
SER. NO.		GR917
DEPTH OUT		
DEPTH IN		2917
TOTAL FTG.		120
TOTAL HR. RUN		21¼
COND. OF BIT		Run
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	500	
WEIGHT	T	
VISC.–S	R	
W.L.–C.C.		
FL.TR. CK.	?	
PH	?	
SD. CONT. %		
PRESSURE GRADIENT		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER

FOOTAGE

FROM	TO	DR–D RM–R CORE–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.–S PAR'EL–P COM'D–C
2973	3018	D			45	25	1440	5½	69			S
					52	25		x				
								14				

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	3006								

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8.00	8.15	¼	Rig Service & BOPs
8.15	3.30	7¼	Drlg 8¾ hole
3.30	4.00	½	Short trip to separation Stabilizers

FOOTAGE

FROM	TO	DR–D RM–R CORE–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.–S PAR'EL–P COM'D–C
3018	3037	D		Ream NR Stab & Spiral Stab 70' plain bit Dropped bit Reamer	60	15	1450	5½	69			
					55	15		x				
								14				

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4.00	5.15	1¼	Finish Short trip drop bit Reamer
5.15	5.30	¼	Rig Service & Ream
5.30	6.45	1¼	Ream 2m
6.45	7.00	¼	Break Circ & Clean & fill the stem
7.00	12.00	5	Drlg 8¾ hole

DAILY DRILLING REPORT

REPORT NO. 31 DATE JAN 15- 71

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
Mobil Oil Canada LTD.	Mobil Oil Hume River	2-09	Hume River	N.W.T.	Canada

CONTRACTOR	RIG NO.	DRILL PIPE STRING NO.	DRILL PIPE STRING SIZE	TOOL JOINT	SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
S & T DRILLING (WESTERN) CO. LTD.	1E	2	4½"	5" O.D. TYPE THD. 3½ IF	L Lesmeister	B Galenza

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	N.A.T.	F-380	14"
2.	N.A.T.	F-380	14"
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9⅝	Tap.	36# J55	21	774	1200	750'	Cemented To Surface w/ 465 sx 2.5% Cal.

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	7½	7½	4
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			3¾
LUBRICATE RIG		¼	
DEVIATION SURVEY	¼	¼	
TEST B.O.P.	¼		1¼
CUT OFF DRILLING LINE			
REPAIR RIG			
BOARING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			¼
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK			
HRS. W/DP			
HRS. WO/DP			
HRS. STANDBY			
TOTAL DAY WORK			

WIRE LINE RECORD

REEL NO.	
NO. OF LINES 8	SIZE 1⅛
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
24	STANDS D.P.	2240.41	FT.
1	SINGLES D.P.	31.43	FT.
18	D.C. I.D. O.D.	531.33	FT.
1	D.C. Monel I.D. O.D.	15.48	FT.
2	STB. BODY O.D.	11.16	FT.
1	STB. Wiper BODY O.D.	6.97	FT.
1	RMR. BODY O.D.	4.85	FT.
1	SUBS JARS O.D.	7.76	FT.
	BIT OR C.B.		FT.
			FT.
	KELLY DOWN	15.61	FT.
	TOTAL	2865.00	FT.
WT. OF STRING	89M		LBS.

BIT RECORD	
BIT NO.	12
SIZE	8¾
MFG.	H-W
TYPE	XDV
NOZZLE NO.	2 1/12 1/13
NOZZLE SIZE	
SER. NO.	29251
DEPTH OUT	
DEPTH IN	2797
TOTAL FTG.	68'
TOTAL HR. RUN	9¾
COND. OF BIT	RUN
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	100	800	500
WEIGHT	9.1	9.1	9.1
VISC.-SEC	26	35	36
W.L.-C.C.			
FLTR. CK.			
PH	9.5	9.5	9.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER Ron Snell

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
2818	2865	D			65	28/35	1300	5½ x 14	70			

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	2817	16¼	N 7 W						

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1200	115	1¼	DRLG. 8¾
115	130	¼	Survey @ 2817
130	145	¼	Sea. Rig ✓ BOPE
145	800	6¼	DRLG.

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
24	STANDS D.P.	2240.41	FT.
2	SINGLES D.P.	62.91	FT.
18	D.C. I.D. O.D.	531.33	FT.
1	D.C. Monel I.D. O.D.	15.48	FT.
2	STB. BODY O.D.	11.16	FT.
1	STB. Wiper BODY O.D.	6.97	FT.
1	RMR. BODY O.D.	4.85	FT.
1	SUBS Jars O.D.	7.76	FT.
	BIT OR C.B.		FT.
			FT.
	KELLY DOWN	25.13	FT.
	TOTAL	2906	FT.
WT. OF STRING			LBS.

BIT RECORD	
BIT NO.	12
SIZE	8¾
MFG.	H-W.
TYPE	XDV
NOZZLE NO.	2 1/12 1/13
NOZZLE SIZE	
SER. NO.	29251
DEPTH OUT	
DEPTH IN	2797
TOTAL FTG.	109
TOTAL HR. RUN	17¼
COND. OF BIT	Run
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	900	1100	300
WEIGHT	9.1	9.1	9.1
VISC.-SEC	34	35	37
W.L.-C.C.	11		
FLTR. CK.	3/32		
PH	9.5	9.5	9.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Dd	500	Dow B	10
Aloxite	50	Caustic	50
K Lignin	50		

DRILLER R Hanley

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
2865	2906	D			65	35	1300	5½ x 14	70			

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	2880	17	N 5 W						

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
800	815	¼	Rig Ser.
815	1130	3¼	DRLG. 8¾ Hole
1130	1145	¼	Survey @ 2880
1145	400	4¼	DRLG. 8¾ Hole

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
25	STANDS D.P.	2334.59	FT.
	SINGLES D.P.		FT.
18	D.C. 6¼ I.D. 6¼ O.D.	531.33	FT.
1	D.C. Monel I.D. O.D.	15.48	FT.
2	STB. BODY O.D.	11.16	FT.
1	STB. Wiper BODY O.D.	6.97	FT.
1	RMR. BODY O.D.	4.85	FT.
	SUBS O.D.		FT.
	BIT OR C.B.		FT.
	Jars	7.76	FT.
	KELLY DOWN	12.91	FT.
	TOTAL	2925.00	FT.
WT. OF STRING	91M		LBS.

BIT RECORD		
BIT NO.	12	13
SIZE	8¾	✓
MFG.	H-W	Smith
TYPE	XDV	ATJ5
NOZZLE NO.	2 1/12	3/12
NOZZLE SIZE	1/13	
SER. NO.	29251	GB917
DEPTH OUT	2797	
DEPTH IN	2797	2917
TOTAL FTG.	120	8
TOTAL HR. RUN	14½	1¾
COND. OF BIT	5-3-1	Run
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	600		1400
WEIGHT	9.1		9.2
VISC.-SEC	36		36
W.L.-C.C.			
FLTR. CK			
PH	9.5		9.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER Dany

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
2906	2925				45	30	1925	5½ x 14	69			

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
400	615	2¼	DRLG. 8¾ hole
615	800	2	Trip out For Bit
800	820	¼	Pull & Stake up Bit #13
820	1000	1½	Run Bit
1000	1015	¼	Break Circ & Clean 10' fill to bottom
1015	1200	1¾	Dlg 8¾ hole

DAILY DRILLING REPORT — REPORT NO. 30 — DATE JAN 14 - 11

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
MOBIL OIL CANADA LTD	MOBIL OIL HUME RIVER	2-09	HUME RIVER	N.W.T	CANADA.

CONTRACTOR	RIG NO.	DRILL PIPE STRING NO.	DRILL PIPE STRING SIZE	TOOL JOINT O.D.	TYPE I.D.
S & T DRILLING (WESTERN) CO. LTD.	1E	2.	4"	5"	2¼ IF

SIGNATURE OF OPERATOR'S REPRESENTATIVE: L Leismer

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: B Galenza

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NAT	K 380	14"
2.	NAT	K 380.	14"
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9⅝	IAPP.	36 J55	21	771	12M	760	CEMENTED TO SURFACE W/ 416 SX. 25% CAL

TIME DISTRIBUTION–HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	7¼	7½	4½
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			3
LUBRICATE RIG		¼	
DEVIATION SURVEY	½		
TEST B.O.P.	¼		¼
CUT OFF DRILLING LINE			
REPAIR RIG			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER CLEAN 10' FILL TO BTM			¼
FISHING			

COMPLETION WORK: A. PERFORATING; B. TUBING TRIPS; C. SWABBING; D. TESTING; E. ADDITIONAL

TOTALS 8 8 8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK			
HRS. WORK			
HRS. STANDBY			
TOTAL DAY WORK			

WIRE LINE RECORD

REEL NO. ____

NO. OF LINES ____ SIZE ____

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			FT.
23	STANDS D.P.		FT.
	SINGLES D.P.		FT.
1	D.C. Monel I.D. O.D.	15.48	FT.
19	D.C. I.D. O.D.	531.33	FT.
2	STB. BODY O.D.	11.16	FT.
1	STB. WIPER BODY O.D.	6.97	FT.
1	RMR. BODY O.D.	4.85	FT.
1	SUBS JARS O.D.	2.76	FT.
	BIT OR C.B.		FT.
			FT.
	KELLY DOWN		FT.
	TOTAL	2740	FT.

WT. OF STRING 87M LBS.

BIT RECORD

BIT NO.	11
SIZE	8¾
MFG.	SMITH
TYPE	555
NOZZLE NO.	3
NOZZLE SIZE	3/12
SER. NO.	AV612
DEPTH OUT	
DEPTH IN	2692
TOTAL FTG.	48
TOTAL HR. RUN	11
COND. OF BIT	RUN
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	1:00	2:00	5:00
WEIGHT	9.2	9.2	9.1
VISC.–SEC	38	36	34
W.L.–C.C.			
FLTR. CK.			
PH	9.5		9.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
PLASTER	100#		
KELTAN	100#		

DRILLER

FOOTAGE

FROM	TO	DR.–D RM.–R CORE.–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PAR'EL–P COM'D–C
2705	2740				47/59	25	1350	6½	70			
								X				
								14				

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
2725	16¼°	N 8W						

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	12:15	¼	RIG SERVICE + V BOPs
12:15	6:15	6	DRLG 8¾ HOLE
6:15	6:45	½	SURVEY @ 2725
6:45	8:00	1¼	DRLG 8¾ hole

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			FT.
23	STANDS D.P.	2142.45	FT.
1	SINGLES D.P.	30.98	FT.
14	D.C. I.D. O.D.	531.33	FT.
1	D.C. Monel I.D. O.D.	15.48	FT.
2	STB. BODY O.D.	11.16	FT.
1	STB. WIPER BODY O.D.	6.97	FT.
1	RMR. BODY O.D.	4.85	FT.
1	SUBS JARS O.D.	7.76	FT.
	BIT OR C.B.		FT.
			FT.
	KELLY DOWN	31.00	FT.
	TOTAL	2782.40	FT.

WT. OF STRING 87M LBS.

BIT RECORD

BIT NO.	#11
SIZE	8¾
MFG.	Smith
TYPE	555
NOZZLE NO.	3
NOZZLE SIZE	/12
SER. NO.	AV512
DEPTH OUT	
DEPTH IN	2692
TOTAL FTG.	90
TOTAL HR. RUN	18¾
COND. OF BIT	Run.
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	9:00	11:00	3:00
WEIGHT	9.1	9.1	9.1
VISC.–SEC	33	37	36
W.L.–C.C.			
FLTR. CK.			
PH	9.0	8.5	9.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	500	Kilsal	50
Caustic	50	Dow Bio	
Plaster	50		
DRILLER	R. Henly		

FOOTAGE

FROM	TO	DR–D RM–R CORE–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PAR'EL–P COM'D–C
2740	2782				45	30	1400	5½				
								X				
								14				

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8.00	9.00	1.	DRLG. 8¾ hole
9.00	9.15	¼	Rig Service + BOPs
9.15	4.00	6¾	DRLG 8¾ hole

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			FT.
23	STANDS D.P.		FT.
2	SINGLES D.P.	2208.64	FT.
18	D.C. I.D. O.D.	531.33	FT.
1	D.C. Monel I.D. O.D.	15.48	FT.
2	STB. BODY O.D.	11.16	FT.
1	STB. WIPER BODY O.D.	6.97	FT.
1	RMR. BODY O.D.	4.85	FT.
1	SUBS JAR O.D.	7.76	FT.
	BIT OR C.B.		FT.
			FT.
	KELLY DOWN	31.96	FT.
	TOTAL	2818.00	FT.

WT. OF STRING 89M LBS.

BIT RECORD

BIT NO.	11	12
SIZE	8¾	8¾
MFG.	SMITH	H-W
TYPE	555	XDV
NOZZLE NO.	3/12	2/12 4/13
SER. NO.	AV512	29251
DEPTH OUT	2797	
DEPTH IN	2692	2797
TOTAL FTG.	105	18'
TOTAL HR. RUN	21	2¼
COND. OF BIT	4-4-1	RUN
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	6:00	1	11:00
WEIGHT	9.1	R	9.1
VISC.–SEC	36	I	35
W.L.–C.C.	11.4	P	
FLTR. CK	3/32	I	
PH	9.5	N	9.5
SD. CONT. %		G	
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
DRILLER	Ron		

FOOTAGE

FROM	TO	DR–D RM–R CORE–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PAR'EL–P COM'D–C
2782	2797	D			45	30	1400	5½	70			
2797	2818	D			65	20/28	1300	X				
								14				

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2106	6.15	2¼	DRLG.
6.15	8.00	1¾	TRIP FOR B.T.
8.00	8.15	¼	SERV. Rig + RAMS
8.15	9.30	1¼	RUN IN W/ BIT # 12 XDV
9.30	9.45	¼	CLEAN 10' FILL TO BOTTOM
9.45	12.00	2¼	DRLG. 8¾ hole

DAILY DRILLING REPORT

REPORT NO. 24 DATE JAN -15- 11

OPERATOR	LEASE	WELL NO.	FIELD OR DIST	COUNTY	STATE
Mobil Oil Canada LTD	Mobil Oil Hume River	2-09	Hume River	N W T	CANADA

CONTRACTOR: S & T DRILLING (WESTERN) CO. LTD. — RIG NO.: 1F

DRILL PIPE STRING: NO. 2, SIZE 2 11/16 — TOOL JOINT: 5" O.D., TYPE THD. 3½ IF

SIGNATURE OF OPERATOR'S REPRESENTATIVE:

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: B Galanza

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NAT	K-380	14"
2.	NAT	K-380	14"
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9⅝	IAPP.	36# J-55	21	774'	1200	750	CEMENTED TO SURFACE.
							w/465sx 2.5% Cal.

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	6¼	7¼	3¾
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS	1	¼	¼
LUBRICATE RIG		¼	¼
DEVIATION SURVEY		¼	
TEST B.O.P.	¼		
CUT OFF SLIP DRILLING LINE	½		
REPAIR RIG			
MOVING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK			FT.
HRS. W/DP			
HRS. WO/DP			
HRS. STANDBY			
TOTAL DAY WORK			

WIRE LINE RECORD

REEL NO.	
NO. OF LINES	8 SIZE 1⅛
FEET SLIPPED	23'
FEET CUT OFF	
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
22	STANDS D.P.	2055.06	FT.
	SINGLES D.P.		FT.
18	D.C. 7⅝ I.D. 6¼ O.D.	531.33	FT.
1	D.C. MONEL I.D. O.D.	15.48	FT.
2	STB. BODY O.D.	11.16	FT.
1	STB. WIDER BODY O.D.	6.97	FT.
1	RMR. BODY O.D.	4.85	FT.
1	SUBS JARS O.D.	7.76	FT.
	BIT OR C.B.		FT.
			FT.
	KELLY DOWN	26.44	FT.
	TOTAL	2659.00	FT.

WT. OF STRING 81M LBS.

BIT RECORD

BIT NO.	RR# 9
SIZE	8¾
MFG.	SMITH
TYPE	5JS
NOZZLE NO.	3
NOZZLE SIZE	12
SER. NO.	FF654
DEPTH OUT	
DEPTH IN	2630'
TOTAL FTG.	29'
TOTAL HR. RUN	6¼
COND. OF BIT	RUN
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME		8:00	7:00
WEIGHT	T	9.1	9.2
VISC.-SEC	R	37	45
W.L.-C.C.	I		
FL TR. CK.	P		
PH		8.5	10.0
SD. CONT. %	N		
PRESSURE GRADIENT	G		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
CAUSTIC	100#		
GEL	500#		
DEMULSE	15#		

DRILLER: Ron Sewell

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
2630	2659	D			40/60	20/25		5½ X 14	70			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	12:15	¼	See Rig v BOPs — Changed Head Rod + Lines on No 1 pump Lhside
12:15	12:45	½	Slip 23' drill Line
12:45	1:45	1	Run in w/ BIT # RR. 9
1:45	8:00	6¼	DRLG. 8¾ hole

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
22	STANDS D.P.	2055.06	FT.
	SINGLES D.P.	315.86	FT.
1	D.C. Monel I.D. O.D.	15.48	FT.
18	D.C. I.D. O.D.	531.33	FT.
2	STB. BODY O.D.	11.16	FT.
1	STB. BODY O.D.	6.97	FT.
1	RMR. BODY O.D.	4.85	FT.
1	SUBS JARS O.D.	7.76	FT.
	BIT OR C.B.		FT.
			FT.
	KELLY DOWN	28.00	FT.
	TOTAL	2642	FT.

WT. OF STRING LBS.

BIT RECORD

BIT NO.	RR #9
SIZE	8¾
MFG.	Smith
TYPE	5JS.
NOZZLE NO.	3
NOZZLE SIZE	12
SER. NO.	FF654
DEPTH OUT	2642
DEPTH IN	2630'
TOTAL FTG.	62
TOTAL HR. RUN	13½
COND. OF BIT	1-1-04T 1/8"
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	2:00	11:00	3:00
WEIGHT	9.1	9.2	9.2
VISC.-SEC	42	40	38
W.L.-C.C.	10.6		
FLTR. CK.	3/32		
PH	10.5	10.0	10.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
2659	2692				45 55	20 25	1400	5½ X 14	70			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
2663	16°							

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	11:00	3	DRLG 8¾ hole — Changed Head Rod + Liners on No 1 pump Lhside.
11:00	11:15	¼	Rig Serv 2 vPC Bs.
11:15	11:30	¼	Survey @ 2663
11:30	3:45	4¼	DRLG 8¾ hole
3:45	4:00	¼	Trip F. Bit

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
22	STANDS D.P.	2055.06	FT.
1	SINGLES D.P.	31.58	FT.
1	D.C. MONEL I.D. O.D.	15.48	FT.
18	D.C. I.D. O.D.	531.33	FT.
2	STB. BODY O.D.	11.16	FT.
1	STB. WIDER BODY O.D.	6.97	FT.
1	RMR. BODY O.D.	4.85	FT.
1	SUBS JARS O.D.	7.76	FT.
	BIT OR C.B.		FT.
			FT.
	KELLY DOWN	41.00	FT.
	TOTAL	2705	FT.

WT. OF STRING ~81M LBS.

BIT RECORD

BIT NO.	#11
SIZE	8¾
MFG.	Smith
TYPE	5S5
NOZZLE NO.	3
NOZZLE SIZE	12
SER. NO.	AV512
DEPTH OUT	
DEPTH IN	2692
TOTAL FTG.	13
TOTAL HR. RUN	3¾
COND. OF BIT	RR
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME		9:00	11:00
WEIGHT		9.2	9.2
VISC.-SEC		38	38
W.L.-C.C.			10.5
FLTR. CK			3/32
PH			9.5
SD. CONT. %		P.V	9
PRESSURE GRADIENT		Y.P	11

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER Ron Sewell

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
2692	2705				50	25	1400	5½ X 14	70			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	1°							

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	6:00	2	Trip Fo Bit
6:00	8:00	2	Run in w/ Bit # 11.
8:00	8:15	¼	DRLG 8¾ Hole — Rig Service.
8:15	12:00	3¾	DRLG. 8¾ Hole

DAILY DRILLING REPORT — REPORT NO. 28 — DATE JAN 14-71

OPERATOR: Mobil Oil Canada LTD.
LEASE: Mobil Hume River
WELL NO.:
FIELD OR DIST.: Hume River
COUNTY: N.W.T
STATE: CANADA
CONTRACTOR: S & T DRILLING (WESTERN) CO. LTD.
RIG NO.: 1E
DRILL PIPE STRING: NO. 2, SIZE 4"
TOOL JOINT: 5" O.D., TYPE THD. 3½ IF
SIGNATURE OF OPERATOR'S REPRESENTATIVE: L Leismiller
SIGNATURE OF CONTRACTOR'S TOOL PUSHER: LB Galanza

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NAT	K-380	14"
2.	NAT.	K-380	14"
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9⅝	Tap	36# J-55	21	774	1200	750	CEMENTED W/465 SAX 2.5% Cd Cl.

TIME DISTRIBUTION–HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	2¼	7½	5
REAMING	1		
CONDITIONING MUD & CIRCULATING			
TRIPS	3		2¼
LUBRICATE RIG		½	
DEVIATION SURVEY	¼		¼
TEST B.O.P.	¼		¼
CUT OFF DRILLING LINE			
REPAIR RIG			
SLIPPING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER Collars	¼		
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK			
HRS. W/DP			
HRS. WO/DP			
HRS. STANDBY			
TOTAL DAY WORK			

WIRE LINE RECORD

REEL NO.	
NO. OF LINES	SIZE
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
21	STANDS D.P.	1960.27	FT.
	SINGLES D.P.		FT.
18	D.C. 7⅝ I.D. 6¼ O.D.	531.33	FT.
1	D.C. MONEL I.D. O.D.	15.48	FT.
2	STB. BODY O.D.	11.16	FT.
1	STB. WIPER BODY O.D.	6.92	FT.
1	RMR. BODY O.D.	4.85	FT.
1	SUBS JARS O.D.	7.76	FT.
	BIT OR C.B.		FT.
			FT.
	KELLY DOWN		FT.
	TOTAL		FT.

WT. OF STRING 86 M LBS.

BIT RECORD

BIT NO.	9	10	
SIZE	8¾	8¾	
MFG.	Smith	H-W	
TYPE	STS	J-44	
NOZZLE NO.	3	3	
NOZZLE SIZE	13	11	
SER. NO.	AE654	CM271	
DEPTH OUT	2555		
DEPTH IN	2278	2555	
TOTAL FTG.	277		
TOTAL HR. RUN	40½	3¼	
COND. OF BIT	1-1-1	Run	
REAMER NO.			
REAMER TYPE			

MUD RECORD

TIME			
WEIGHT	8.9	R	
VISC.-SEC	40		
W.L.-C.C.		P	
FLTR. CK.		P	
PH	9.5	1	
SD. CONT. %		N	
PRESSURE GRADIENT		G	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER Ron Savill

FOOTAGE

FROM	TO	DR.D RM.R CORE.C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
2545	2555	D			55	25	1050	5½	70			
2555	2562	D			55	25	1450	7	65			
								14				

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
2550	15°							

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
			Installed New Viton Rubbers on Stab.
7:15	8:00		DRLG 8¾" hole
12:00	1:30	1½	DRLG.
1:30	1:45	¼	DROP Survey @ 2550'
1:45	3:30	1¾	Trip out & Laydown Pipe To pick up 5 DRILL Collars
			"Hole Tight"
3:30	3:45	¼	Ser Rig & Ram's
3:45	5:00	1¼	Pick up DRILL Collars & Calliper All STAB'T Hole Equip.
5:00	6:15	1¼	Run in & STRAP pipe.
6:15	7:15	1	BREAK CIRC & REAM 45' To Bottom

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
20	STANDS D.P.	1960.22	FT.
1	SINGLES D.P.	31.64	FT.
18	D.C. 7⅝ I.D. 6¼ O.D.	531.33	FT.
1	D.C. Monel I.D. O.D	15.48	FT.
2	STB. BODY O.D.	11.16	FT.
1	STB. WIPER BODY O.D.	6.92	FT.
1	RMR. BODY O.D.	4.85	FT.
1	SUBS Jars O.D.	7.76	FT.
	BIT OR C.B.		FT.
			FT.
	KELLY DOWN	38.00	FT.
	TOTAL	2607.41	FT.

WT. OF STRING 86m LBS.

BIT RECORD

BIT NO.	10		
SIZE	8¾		
MFG.	HW.		
TYPE	J.44		
NOZZLE NO.	3		
NOZZLE SIZE	11		
SER. NO.	CM271		
DEPTH OUT			
DEPTH IN	2555		
TOTAL FTG.	52		
TOTAL HR. RUN	8½		
COND. OF BIT	Run		
REAMER NO.			
REAMER TYPE			

MUD RECORD

TIME	900	100	300
WEIGHT	9.0	9.0	9.1
VISC.-SEC	33	40	38
W.L.-C.C.			
FLTR. CK.			9/32
PH	9.5	9.5	9.0
SD. CONT. %			
PRESSURE GRADIENT			
	90 PPM		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	500		
Kelzan	160		
Plastex	50		

DRILLER R. Hanly

FOOTAGE

FROM	TO	DR–D RM–R CORE–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
2562	2607				45	25	1650	5½	69			
					55	30	1650	X	69			
								14				

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	10:15	2¼	DRLG 8¾ hole
10:15	10:30	¼	Rig Servi.
10:30	4:00	5½	DRG. 8¾ hole

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
21	STANDS D.P.		FT.
2	SINGLES D.P.	2023.51	FT.
18	D.C. 7⅝ I.D. 6¼ O.D.	531.33	FT.
1	D.C. MONEL I.D. O.D.	15.48	FT.
2	STB. BODY O.D.	11.16	FT.
1	STB. WIPER BODY O.D.	6.92	FT.
1	RMR. BODY O.D.	4.85	FT.
1	SUBS JARS O.D.	7.76	FT.
	BIT OR C.B.		FT.
			FT.
	KELLY DOWN	2899	FT.
	TOTAL	2630.00	FT.

WT. OF STRING 46 M LBS.

BIT RECORD

BIT NO.	10		
SIZE	8¾		
MFG.	HW.		
TYPE	J44		
NOZZLE NO.	3		
NOZZLE SIZE	11		
SER. NO.	CM.271		
DEPTH OUT	2630		
DEPTH IN	2555		
TOTAL FTG.	75'		
TOTAL HR. RUN	13½	13½	
COND. OF BIT	1-1-1		
REAMER NO.			
REAMER TYPE			

MUD RECORD

TIME	600	800	
WEIGHT	9.1	9.1	
VISC.-SEC	37	37	
W.L.-C.C.			
FLTR. CK			
PH	8.5	8.5	
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER Ron Savill

Changed oil & Filter in compl.'s

FOOTAGE

FROM	TO	DR–D RM–R CORE–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
2607	2630'				40/60	20/30	1650	5½	69			
								14				

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
2600	16°							

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	4:30	½	DRLG 8¾ hole
4:30	4:45	¼	Rig Servi. & BOPs
4:45	5:00	¼	Survey @ 26.00.
5:00	9:30	4½	DRLG
9:30	9:45	¼	DROP Survey
9:45	11:30	1¾	TRIP For BIT Miss Run
11:30	12:00	½	Change Bits Run in DRILL Collars

DAILY DRILLING REPORT

REPORT NO. 27 DATE JAN. 11- 71

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
Mobil Oil Canada LTD.	Mobil Oil Hume River	L-09	Hume River	N.W.T	CANADA

CONTRACTOR: S & T DRILLING (WESTERN) CO. LTD. RIG NO.: 1E

DRILL PIPE STRING: NO. 2, SIZE 4" — TOOL JOINT: 5" O.D., TYPE THD. 3½ IF

SIGNATURE OF OPERATOR'S REPRESENTATIVE: L Levasseur

SIGNATURE OF CONTRACTOR'S TOOL PUSHER:

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NAT.	K-380	14"
2.	NAT.	K-380	14"
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9 5/8	Tap	36 J-55	21	774	4260	750'	Cemented To Surface w/ 465 sax 2.5% CaCl.

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	7¼	7½	7½
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG		½	
DEVIATION SURVEY	½	½	½
TEST B.O.P.	¼		¼
CUT OFF DRILLING LINE			
REPAIR RIG			
BOILERING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			
FISHING			

COMPLETION WORK: A. PERFORATING; B. TUBING TRIPS; C. SWABBING; D. TESTING; E. ADDITIONAL

TOTALS 8 8 8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK

HRS. W/DP

HRS. WO/DP

HRS. STANDBY

TOTAL DAY WORK

WIRE LINE RECORD

REEL NO.

NO. OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
21	STANDS D.P.	1959.45 FT.
	SINGLES D.P.	FT.
13	D.C. 7 3/4 I.D. 6" O.D.	387.62 FT.
1	D.C. MONEL I.D. 6" O.D.	15.48 FT.
	STB. BODY O.D.	11.16 FT.
	STB. BODY O.D.	FT.
1	RMR. BODY O.D.	4.85 FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
		FT.
	KELLY DOWN	38.44 FT.
	TOTAL	2417.00 FT.

WT. OF STRING 75M LBS.

BIT RECORD

BIT NO.	9
SIZE	8¾"
MFG.	SMITH
TYPE	5J-S
NOZZLE NO.	3
NOZZLE SIZE	13
SER. NO.	FE654
DEPTH OUT	
DEPTH IN	2278
TOTAL FTG.	139'
TOTAL HR. RUN	24
COND. OF BIT	RUN
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	100	300	1000
WEIGHT	9.0	9.0	9.0
VISC.-SEC	36	36	39
W.L.-C.C.			12.0
FL.TR. CK.			2/32
PH	9.0		9.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
KELIAN	100#		
GEL	500#		
PLASTER	50#		

DRILLER Ron Savill

FOOTAGE

FROM	TO	DR.D RM.R CORE.C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
2370	2417	D			40/55	25	1050	5½	70			
								X				
								14				

DEVIATION RECORD: DEPTH 2378 — DEV. 13° — DIRECTION N-10 W

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	2:15	2¼	DRLG. 8¾" hole
2:15	2:45	½	DIRECTIONAL SURVEY @ 2378'
2:45	3:00	¼	Ser Rig ✓ BOP + Kelly Cock.
3:00	8:00	5	DRLG. 8¾" hole

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
21	STANDS D.P.	1959.45 FT.
2	SINGLES D.P.	61.66 FT.
13	D.C. I.D. O.D.	387.62 FT.
1	D.C. Monel I.D. O.D.	15.48 FT.
2	STB. BODY O.D.	11.16 FT.
	STB. BODY O.D.	FT.
1	RMR. BODY O.D.	4.85 FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
		FT.
	KELLY DOWN	37.00 FT.
	TOTAL	2477.85 FT.

WT. OF STRING 75M. LBS.

BIT RECORD

BIT NO.	9
SIZE	8¾
MFG.	Smith
TYPE	5J5
NOZZLE NO.	3
NOZZLE SIZE	13
SER. NO.	FE654
DEPTH OUT	
DEPTH IN	2278
TOTAL FTG.	199.
TOTAL HR. RUN	31½
COND. OF BIT	Run
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	9.00	100	2000
WEIGHT	9.0	8.9	8.9
VISC.-SEC	36	38	36
W.L.-C.C.			
FL.TR. CK.			
PH	8.5	10.0	10.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Caustic	100#	Kelzan	50
Drispac B	10#		
Gel	500		

DRILLER R. Hamby

FOOTAGE

FROM	TO	DR.D RM.R CORE.C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
2417	2477	D		Fuel. 6.2"	55	25	1050	5½	70			
								X				
								14				

DEVIATION RECORD: DEPTH 2447 — DEV. 13¾ — DIRECTION N. 13 W.

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	8:15	¼	Rig Serv ✓ BOP's Kelly Cock
8:15	12:30	4¼	DRLG 8¾ hole
12:30	12:45	¼	Survey @ 2447.
12:45	4:00	3¼	DRLG 8¾ hole

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
22	STANDS D.P.	FT.
2	SINGLES D.P.	116.55 FT.
13	D.C. 7 3/4 I.D. 6" O.D.	387.62 FT.
1	D.C. Monel I.D. O.D.	15.48 FT.
2	STB. BODY O.D.	11.16 FT.
	STB. BODY O.D.	FT.
1	RMR. BODY O.D.	4.85 FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
		FT.
	KELLY DOWN	9.34 FT.
	TOTAL	2545.00 FT.

WT. OF STRING 75M LBS.

BIT RECORD

BIT NO.	9
SIZE	8¾
MFG.	Smith
TYPE	5JS
NOZZLE NO.	3
NOZZLE SIZE	13
SER. NO.	FE654
DEPTH OUT	
DEPTH IN	2278
TOTAL FTG.	267
TOTAL HR. RUN	39
COND. OF BIT	RUN
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	600	900	1100
WEIGHT	8.9	8.9	8.9
VISC.-SEC	36	40	38
W.L.-C.C.			
FL.TR. CK			
PH	9.5	9.5	9.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER Ron

FOOTAGE

FROM	TO	DR.D RM.R CORE.C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
2477	2545	D			55	25	1060	5½				
					60			X				
								14				

DEVIATION RECORD: DEPTH 2502' — DEV. 14½ — DIRECTION N 7 W

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	4:15	¼	Rig Serv.
4:15	7:00	2¾	DRLG 8¾ hole
7:00	7:15	¼	Survey @ 2502
7:15	12:00	4¾	DRLG 8¾ hole

DAILY DRILLING REPORT

REPORT NO. 26 DATE JAN 10-11

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
Mobil Oil Canada LTD	Mobil Oil Hume River	2-09	Hume River	N.W.T	CANADA

CONTRACTOR: S & T DRILLING (WESTERN) CO. LTD. — RIG NO.: 1E

DRILL PIPE STRING: NO. 2, SIZE 4" — TOOL JOINT O.D. 5" — TYPE THD. 3½ IF

SIGNATURE OF OPERATOR'S REPRESENTATIVE: L Lesmeister

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: A B Halcrow

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NAT	K-380	14"
2.	NAT	K-380	14"
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9⅝	JAP.	36# J-55	21	774'	1200	750'	Cemented w/ 466 SAK 2.5% CAL.

TIME DISTRIBUTION–HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	2¼	7½	7
REAMING	¾		
CONDITIONING MUD & CIRCULATING			
TRIPS	½		
LUBRICATE RIG			
DEVIATION SURVEY		¼	¾
TEST B.O.P.	¼	¼	¼
CUT OFF DRILLING LINE			
REPAIR RIG			
SLIPPING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER	¾		
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK			
HRS. W/DP			
HRS. WO/DP			
HRS. STANDBY			
TOTAL DAY WORK			

WIRE LINE RECORD

REEL NO.

NO. OF LINES — SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
19	STANDS D.P.		FT.
2	SINGLES D.P.	1836.75	FT.
13	D.C. 7⅞ I.D. 6" O.D.	387.62	FT.
1	D.C. MONEL I.D. O.D.	15.48	FT.
2	STB. BODY O.D.	11.16	FT.
	STB. BODY O.D.		FT.
1	RMR. BODY O.D.	4.85	FT.
	SUBS O.D.		FT.
	BIT OR C.B.		FT.
			FT.
	KELLY DOWN	30.14	FT.
	TOTAL	2286.80	FT.

WT. OF STRING 74M LBS.

BIT RECORD

BIT NO.	9
SIZE	8¾
MFG.	Smith
TYPE	5JS
NOZZLE NO.	3
NOZZLE SIZE	13
SER. NO.	FE654
DEPTH OUT	
DEPTH IN	2278
TOTAL FTG.	8
TOTAL HR. RUN	2¼
COND. OF BIT	Run
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	6	12	7
WEIGHT	8.9	9.0	9.0
VISC.–SEC	39	40	40
W.L.–C.C.	9.0	9.0	
FL TR. CK.	T	T	
PH	9.5	9.5	9.5
SD. CONT. %	0.3	0.3	
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
KELZAN	20#		

DRILLER Ron Savill

FOOTAGE

FROM	TO	DR–D RM–R CORE–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL–S PAR'EL–P COM'D–C
2278	2286	D			45/55	10/15	1100	5½	70			
								X				
								14				

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
2232	12¾	N.10W.						

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1200	1215	¼	Serv. Rig ✓ BOP.
1215	100	¾	MAKE up STRAIGHT Hole ASSY. & Pick up Monel Collar.
100	230	1½	RUN IN Show & TAKE DIRECTION SURVEY'S.
230	545	3¼	REAMING IN STABILIZER'S FROM 2190 TO 2278
545	800	2¼	DRLG 8¾ hole

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
20	STANDS D.P.	1865.35	FT.
	SINGLES D.P.		FT.
13	D.C. I.D. O.D.	347.62	FT.
1	D.C. Monel I.D. O.D.	15.48	FT.
2	STB. BODY O.D.	11.16	FT.
	STB. BODY O.D.		FT.
1	RMR. BODY O.D.	4.85	FT.
	SUBS O.D.		FT.
	BIT OR C.B.		FT.
			FT.
	KELLY DOWN	38.00	FT.
	TOTAL	2322	FT.

WT. OF STRING 74M LBS.

BIT RECORD

BIT NO.	9
SIZE	8¾
MFG.	Smith
TYPE	5JS
NOZZLE NO.	3
NOZZLE SIZE	13
SER. NO.	FE654
DEPTH OUT	
DEPTH IN	2278
TOTAL FTG.	44
TOTAL HR. RUN	9¾
COND. OF BIT	Run
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	10⁰⁰	100	300
WEIGHT	9.0	9.0	9.0
VISC.–SEC	36	38	38
W.L.–C.C.		11.2	
FL TR. CK.	T	2/32	
PH	8.5	9.5	9.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	500	Xelgum	100
Caustic	50	Dev. D	10
Plastic	100	Water	½ Tank

DRILLER R Hanley

FOOTAGE

FROM	TO	DR–D RM–R CORE–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL–S PAR'EL–P COM'D–C
2286	2322	D			45/55	15	1050	5½	70			
						20		X				
					55	25		14				

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
2286	12½	N.10W						

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
400	1030	2½	DR. & G. 8¾ hole
1030	1045	¼	Rig Serv. ✓ BOP & Kelly Cock
1045	1100	¼	Survey @ 2286
1100	400	5	DR. & G.

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
20	STANDS D.P.		FT.
2	SINGLES D.P.	1928.17	FT.
13	D.C. 7⅞ I.D. 6" O.D.	387.62	FT.
1	D.C. Monel I.D. O.D.	15.48	FT.
2	STB. BODY O.D.	11.16	FT.
	STB. BODY O.D.		FT.
1	RMR. BODY O.D.	4.85	FT.
	SUBS O.D.		FT.
	BIT OR C.B.		FT.
			FT.
	KELLY DOWN	22.72	FT.
	TOTAL	2370.00	FT.

WT. OF STRING 75M LBS.

BIT RECORD

BIT NO.	9
SIZE	8¾
MFG.	Smith
TYPE	5JS
NOZZLE NO.	3
NOZZLE SIZE	13
SER. NO.	FE654
DEPTH OUT	
DEPTH IN	2278
TOTAL FTG.	92
TOTAL HR. RUN	16¾
COND. OF BIT	Run
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	6⁰⁰	9⁰⁰	11⁰⁰
WEIGHT	9.0	9.0	9.0
VISC.–SEC	38	37	35
W.L.–C.C.			
FL TR. CK			
PH	9.5	9.5	9.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER Ron Savill

FOOTAGE

FROM	TO	DR–D RM–R CORE–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL–S PAR'EL–P COM'D–C
2322	2370	D			55	25	1050	5½	70			
								X				
								14				

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
2315	12½	N.9W.	2347'	13°	N-10-W			

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
~~[illegible]~~	~~[illegible]~~		~~DRLG 8¾ hole.~~
400	430	½	DRLG 8¾ hole
430	445	¼	Rig Serv.
445	500	¼	Survey @ 2315
500	1000	5	DRLG. 8¾ hole
1000	1030	½	Survey @ 2347
1030	1200	1½	DRLG.

DAILY DRILLING REPORT

REPORT NO. 25 DATE JAN 7-11

OPERATOR: Mobil Oil CAN. LTD.

LEASE: Mobil Oil Hume River

WELL NO.: L-09

FIELD OR DIST.: Hume River

COUNTY: Al W.T

STATE: CANADA.

CONTRACTOR: S & T DRILLING (WESTERN) CO. LTD.

RIG NO.: 1E

DRILL PIPE STRING: NO. 2, SIZE 4"

TOOL JOINT: 5" O.D., TYPE THD 3½ IF

SIGNATURE OF OPERATOR'S REPRESENTATIVE: L Lesimple

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: MB Galenza.

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NAT.	K-380	14"
2.	NAT.	K-380	14"
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9⅝	JAP	36# J-55	21	774	1200	750'	CEMENTED W/ 465 SKS
							2.5% Cal.

TIME DISTRIBUTION–HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	4	7½	5
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS	3		0½
LUBRICATE RIG		¼	
DEVIATION SURVEY	¾	¼	¼
TEST B.O.P.	¼		¼
CUT OFF DRILLING LINE			
REPAIR RIG			
LOGGING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK			
HRS. W/DP			
HRS. WO/DP			
HRS. STANDBY			
TOTAL DAY WORK			

WIRE LINE RECORD

REEL NO.

NO. OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
19	STANDS D.P.	FT.
	SINGLES D.P.	1796.30 FT.
13	D.C. I.D. O.D.	390.82 FT.
	D.C. I.D. O.D.	FT.
1	STB. @ 90 BODY O.D.	4.46 FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
		11.42 FT.
	KELLY DOWN	FT.
	TOTAL	2203 FT.

WT. OF STRING 72M LBS.

BIT RECORD

BIT NO.	8
SIZE	8¾
MFG.	Smith
TYPE	5J5
NOZZLE NO.	3
NOZZLE SIZE	13
SER. NO.	FL365
DEPTH OUT	
DEPTH IN	2003
TOTAL FTG.	200
TOTAL HR. RUN	27¾
COND. OF BIT	Run
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME			7:00
WEIGHT			9.0
VISC.–SEC			40
W.L.–C.C.			
FLTR. CK.			
PH			9.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
PLASTER	100#		

DRILLER Ron Savill

FOOTAGE

FROM	TO	DR.–D RM.–R CORE.–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PAR.–P COM'D–C
2177	2203	D			55/55	18/25	1150	5½	70			
								7				
								14				

DEVIATION RECORD: DEPTH 2181, DEV. 12°, DIRECTION; DEPTH 2198, DEV. 11¾°, DIRECTION; DEPTH, DEV., DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1200	1230	½	DRLG.
1230	115	¾	Survey @ 2181 + Rig Ser.
115	130	¼	DRLG.
130	430	3	Pull out + Laydown STAB + Put Spiral Type @ 90'
430	700	2½	DRLG.
700	715	¼	Survey @ 2198'
715	800	¾	DRLG.

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
19	STANDS D.P.	1762.68 FT.
2	SINGLES D.P.	63.44 FT.
	D.C. I.D. O.D.	FT.
13	D.C. I.D. O.D.	348.82 FT.
1	STB. @ 90 BODY O.D.	4.46 FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
		FT.
	KELLY DOWN	23.00 FT.
	TOTAL	2244.44 FT.

WT. OF STRING 72M. LBS.

BIT RECORD

BIT NO.	8
SIZE	8¾
MFG.	Smith
TYPE	5J5
NOZZLE NO.	3
NOZZLE SIZE	13
SER. NO.	FL365
DEPTH OUT	
DEPTH IN	2003
TOTAL FTG.	241
TOTAL HR. RUN	35¼
COND. OF BIT	Run
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	10:00	12:00	3:00
WEIGHT	9.0	9.0	9.0
VISC.–SEC	38	37	40
W.L.–C.C.			
FLTR. CK.			
PH	9.0	9.0	9.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Caustic	50		
Sal	500		

DRILLER R Hamby

FOOTAGE

FROM	TO	DR.–D RM.–R CORE.–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PAR.–P COM'D–C
2203.	2244				55	18m	1150	5½	70			
								X				
								14				

DEVIATION RECORD: DEPTH 2230, DEV. 12°, DIRECTION; DEPTH, DEV., DIRECTION; DEPTH, DEV., DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
800	1230	4½	DRLG 8¾ hole.
1230	1245	¼	Rig Serv. + B.O.P.s
1245	100	¼	Survey @ 2230
100	400	3	DRLG. 8¾ hole.

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
20	STANDS D.P.	1865.35 FT.
	SINGLES D.P.	FT.
	D.C. I.D. O.D.	FT.
13	8" D.C. I.D. O.D.	390.82 FT.
	D.C. I.D. O.D.	FT.
1	STB. BODY O.D.	4.46 FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
		FT.
	KELLY DOWN	17.37 FT.
	TOTAL	2278.00 FT.

WT. OF STRING 73M LBS.

BIT RECORD

BIT NO.	8
SIZE	8¾
MFG.	Smith
TYPE	5J5
NOZZLE NO.	3
NOZZLE SIZE	13
SER. NO.	FL365
DEPTH OUT	2278
DEPTH IN	2003
TOTAL FTG.	275
TOTAL HR. RUN	40¼
COND. OF BIT	2-1-1
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	1:00	9:00	
WEIGHT	9.0	9.0	
VISC.–SEC	40	40	
W.L.–C.C.		16.2	
FLTR. CK		1/32	
PH	9.5	9.5	
SD. CONT. %	Pit	9.	
PRESSURE GRADIENT	4.P	8	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER Ron

FOOTAGE

FROM	TO	DR.–D RM.–R CORE.–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PAR.–P COM'D–C
2244	2278	D			55	12	1150	5½	70			
								X				
								14				

DEVIATION RECORD: DEPTH 2260, DEV. 12°, DIRECTION; DEPTH, DEV., DIRECTION; DEPTH, DEV., DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
400	700	3	DRLG 8¾ hole
700	715	¼	Survey @ 2260
715	730	¼	Rig Serv. + BOP's + Kelly Cock
730	930	2	DRLG. 8¾ hole
930	1200	2½	TRIP OUT + Laydown STABILIZER. STRAP OUT

STRAPPED OUT 2278.63
Pipe Tally 2270.
CORRECT. 8'

DAILY DRILLING REPORT — REPORT NO. 24 — DATE JAN 8 - 11

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
Mobil Oil Canada LTD.	Mobil Oil Hume River	2-09	Hume River	N.W.T	CANADA

CONTRACTOR	RIG NO.	DRILL PIPE STRING NO.	DRILL PIPE STRING SIZE	TOOL JOINT	SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
S & T DRILLING (WESTERN) CO. LTD.	1E	2	4"	5" O.D. TYPE THD. 3½ IF		

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NAT	K-380	14"
2.	NAT	K-380	14"
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9⅝	IAP	36# J-55	21	774'	1200	750	CEMENTED TO SURFACE w/ 465 sax 2.5% Cal.

TIME DISTRIBUTION–HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL			2¼
REAMING			
CONDITIONING MUD & CIRCULATING	¼	7½	
TRIPS			2¾
LUBRICATE RIG			
DEVIATION SURVEY			¾
TEST B.O.P.	¼	½	¾
CUT OFF DRILLING LINE	¾	½	¼
REPAIR RIG			
CASING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK	
HRS. W/DP	
HRS. WO/DP	
HRS. STANDBY	
TOTAL DAY WORK	

WIRE LINE RECORD

REEL NO.	
NO. OF LINES / SIZE	
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR (Challenger)

NO.			
	STANDS D.P.		FT.
	SINGLES D.P.		FT.
17	D.C. I.D.	O.D. 1,388.62	FT.
23	D.C. I.D.	O.D.	
1		O.D. 10.60	FT.
2	STB. BODY	O.D. 9.19	FT.
	STB. BODY	O.D.	FT.
1	RMR. BODY	O.D. 4.85	FT.
	SUBS	O.D.	FT.
	BIT OR C.B.		FT.
			FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING	34.11		LBS.

BIT RECORD

BIT NO.	8
SIZE	8¾
MFG.	Smith
TYPE	4JS
NOZZLE NO.	3
NOZZLE SIZE	13
SER. NO.	FL 365
DEPTH OUT	
DEPTH IN	2003
TOTAL FTG.	
TOTAL HR. RUN	
COND. OF BIT	82
REAMER NO.	12¼
REAMER TYPE	Run

MUD RECORD

TIME	1⁰⁰	3⁰⁰	5⁰⁰
WEIGHT	9.1	9.1	
VISC.–SEC	38	38	
W.L.–C.C.			9.1
FLTR. CK.			43
PH	9.5	9.5	13
SD. CONT. %			3/32
PRESSURE GRADIENT			9.0

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
KELIAN 100#			
CAUSTIC 100#	Ron Savill		

FOOTAGE

FROM	TO	DR.–D RM.–R CORE.–C	CORE NO.
2029		C	
	2085		

FORMATION (SHOW CORE RECOVERY)

ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.–S PAR'EL–P COM'D–C
40/50	13		5½				
			X				
	1150		14				

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
2029	9°							

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12⁰⁰	12¹⁵	¼	Survey @ 2044 ~~2029~~ 2060 9¼
12¹⁵	12³⁰	¼	Sea. Rig ✓ BOPs + Kelly Cock.
12³⁰			DRLG. 8¾ hole
	2⁴⁵	2¼	
2⁴⁵	3⁰⁰	¼	Survey @ 2044'
3⁰⁰	5⁰⁰	2	DRLG
5⁰⁰	5¹⁵	¼	Survey @ 2060
5¹⁵			DRLG.

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR (M)

NO.			
	STANDS D.P.	72	FT.
	SINGLES D.P.		FT.
18	D.C.	1675.01	
1	I.D. O.D.	313.9	FT.
13	D.C. I.D.	O.D. 387.62	FT.
	STB. BODY	O.D.	FT.
1	S.B. BODY	O.D. 10.60	FT.
2	RMR. BODY	O.D. 9.19	FT.
	SUBS	O.D.	FT.
1	BIT OR C.B.	4.85	FT.
			FT.
	KELLY DOWN		FT.
	TOTAL	20.00	FT.
WT. OF STRING	2136		LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	8
TYPE	8¾
NOZZLE NO.	Smith
NOZZLE SIZE	4JS
SER. NO.	3/13
DEPTH OUT	
DEPTH IN	FL 365
TOTAL FTG.	
TOTAL HR. RUN	2003 1771
COND. OF BIT	
REAMER NO.	14½
REAMER TYPE	Run

MUD RECORD

TIME	10⁰⁰	3⁰⁰
WEIGHT	9.0	9.0
VISC.–SEC	10⁰ 38	37
W.L.–C.C.	9.0	
FLTR. CK.	36	
PH	9.0	8.5
SD. CONT. %		
PRESSURE GRADIENT	8.5	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
	100#	Gel	500
		Aldo. 50	
Caustic	100		
DRILLER	Ron		

FOOTAGE

FROM	TO	DR–D RM–R CORE–C	CORE NO.
2084	2134		

FORMATION (SHOW CORE RECOVERY)

ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.–S PAR'EL–P COM'D–C
50	15	1150	5½				
			X				
			14				

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
						1¼		

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
	2090	9¾	2120 10½
8⁰⁰	9⁰⁰	1½	DRLG. 8¾ hole
9⁰⁰	9¹⁵	¼	Surv. @ 2090
9¹⁵	9³⁰	¼	Rig Ser. ✓ BOPs + Kelly Cock
9³⁰	2¹⁵	4¾	DRLG 8¾ hole
2¹⁵	2³⁰	¼	Survey @ 2120
2³⁰	4	1½	DRLG 8¾ hole

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
	STANDS D.P.	72 m	FT.
19	SINGLES D.P.	1732.99	FT.
2	D.C.		
13	I.D. O.D.	387.62	FT.
	D.C.		
1	Short O.D.	10.60	FT.
2	STB. BODY O.D.	9.19	FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
	SUBS O.D.		FT.
	BIT OR C.B.		FT.
			FT.
	KELLY DOWN	36.60	FT.
	TOTAL	2177.00	FT.
WT. OF STRING	72 M		LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	8
TYPE	8¾
NOZZLE NO.	Smith
NOZZLE SIZE	4JS
SER. NO.	3/13
DEPTH OUT	
DEPTH IN	FL 365
TOTAL FTG.	174
TOTAL HR. RUN	2003 28¾
COND. OF BIT	
REAMER NO.	Run
REAMER TYPE	

MUD RECORD

TIME	R. Hardy	
WEIGHT	6⁰⁰	
VISC.–SEC	9.0	
W.L.–C.C.	37	
FLTR. CK		
PH		
SD. CONT. %	6.5	
PRESSURE GRADIENT		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
DRILLER	Ron		

FOOTAGE

FROM	TO	DR–D RM–R CORE–C	CORE NO.
2134	2177	C	

FORMATION (SHOW CORE RECOVERY)

39'

ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.–S PAR'EL–P COM'D–C
50/55	25	1150	5½	70			
			X				
			14				

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
			2165	1¼				

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
	2135	10	
4⁰⁰	4¹⁵	¼	Survey @ 2135
4¹⁵	4³⁰	¼	Rig Ser.
4³⁰	8³⁰	4	DRLG. 8¾ hole ~~+ BOPs~~ ✓ BT Survey @ 2165
8³⁰	11¹⁵	2¾	Trip + Laydown RMR.
11¹⁵	12⁰⁰	¾	DRLG.

DAILY DRILLING REPORT

REPORT NO. 22 DATE 1 JAN. 1-11

OPERATOR: Mobil Oil Can. LTD

LEASE: Mobil Oil Hume River

WELL NO.: K-09

FIELD OR DIST.: Hume River

COUNTY: N.W.T

STATE: CANADA

CONTRACTOR: S & T DRILLING (WESTERN) CO. LTD.

RIG NO.: 1E

DRILL PIPE STRING: NO. 2, SIZE 4"

TOOL JOINT: 5" O.D., TYPE THD. 3½" IF

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NAT	K 380	14"
2.	NAT	K-380	14"
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9 5/8	IAP.	36# J55	21	774	1200	750'	CEMENTED W/ 465 2.5% Cal

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL			
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS		5¾	
LUBRICATE RIG	5¼	¼	
DEVIATION SURVEY			
TEST B.O.P.		¼	
CUT OFF DRILLING LINE		¼	
REPAIR RIG			
WORKING	2		
WIRE LINE LOGGING	1¼		
RUNNING CASING & CEMENTING		4½	
WAITING ON CEMENT		2½	
DRILL STEM TEST			
OTHER			
FISHING			
COMPLETION WORK: A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOOLS			

TIME SUMMARY (OFFICE USE ONLY)

	MORN	DAY	EVE
DAY WORK	3	2	0
HRS. W/DP		18	
HRS. WO/DP		6	
HRS. STANDBY			
TOTAL DAY WORK			

WIRE LINE RECORD

REEL NO.	
NO. OF LINES	SIZE
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
16	STANDS D.P.		FT.
2	SINGLES D.P.		FT.
13	D.C. I.D. O.D.	390.82	FT.
1	D.C. I.D. O.D.	10.60	FT.
3	STB. BODY O.D.	15.76	FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
1	SUBS O.D.	.75	FT.
	BIT OR C.B.		FT.
			FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING		41,000	LBS.

BIT RECORD

BIT NO.	7
SIZE	8¾
MFG.	Smith
TYPE	SDJ
NOZZLE NO.	3/13 1/16
NOZZLE SIZE	
SER. NO.	FF663
DEPTH OUT	
DEPTH IN	1769
TOTAL FTG.	
TOTAL HR. RUN	
COND. OF BIT	
REAMER NO.	
REAMER TYPE	STAB

MUD RECORD

TIME	1⁰⁰		
WEIGHT	9.0	3⁰⁰ 9.0	5⁰⁰ 9.0
VISC.-SEC	50	42	39
W.L.-C.C.			
FLTR. CK.			
PH	9.5		
SD. CONT. %		9.0	9.2
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: Ron Savill

FOOTAGE

FROM	TO	DR. RM. CORE	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
1845		D			80	25		5½	90			
	1971					900		7				
								14				

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
1850	5 7/8°		1881	6 3/4°	1911 7°	1940	7½°	1971

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12⁰⁰	12¹⁵	¼	DRLG.
12¹⁵	12³⁰	¼	Survey @ 1850
12³⁰	12⁴⁵	¼	Ser. Rig ✓ B.O.P.
12⁴⁵	1⁴⁵	1	DRLG.
1⁴⁵	2¹⁵	½	Survey @ 1881
2¹⁵	3³⁰	1 1/4	DRLG.
3³⁰	4⁰⁰	½	Survey @ 1911
4⁰⁰	5⁴⁵	1¾	DRLG.

5⁴⁵ 6¹⁵ ½ Survey @ 1940'
6¹⁵ 7⁴⁵ DRLG
7⁴⁵ 8⁰⁰ ¼ Survey @ 1971
8¼

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
	STANDS D.P.		FT.
	SINGLES D.P.		FT.
	D.C. I.D. O.D.		FT.
16	D.C. I.D. O.D.	1484.10	FT.
2		63.41	FT.
	STB. BODY O.D.		FT.
13	STB. BODY O.D.	390.82	FT.
	RMR. BODY O.D.		FT.
1	SUBS O.D.	10.60	FT.
3	BIT OR C.B.	15.76	FT.
			FT.
	KELLY DOWN		FT.
1	TOTAL	.75	FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
NOZZLE NO.	7
NOZZLE SIZE	8¾
SER. NO.	Smith
DEPTH OUT	SDJ
DEPTH IN	3/13 1/16
TOTAL FTG.	
TOTAL HR. RUN	EF663
COND. OF BIT	2003
REAMER NO.	4 3/4
REAMER TYPE	10½

MUD RECORD

TIME	9.00	10⁰⁰
WEIGHT	9.1	9.1
VISC.-SEC	36	41
W.L.-C.C.		
FLTR. CK.		
PH	8.5	9.0
SD. CONT. %		
PRESSURE GRADIENT		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Caustic	50		
Dow B	10#		

DRILLER

FOOTAGE

FROM	TO	DR. RM. CORE	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
1971												
	2003				80	14m	900	5½	70			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
1971	2003							

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
	2000	8½	
8⁰⁰	8¹⁵	¼	Rig Ser. ✓ BOP.
8¹⁵	10³⁰	2¼	DRLG 8¾ hole
10³⁰	12³⁰	2	Circ. samples
12³⁰	1³⁰	1	Pump out 2 singles x trip out

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
19	STANDS D.P.	1575.00	FT.
	SINGLES D.P.	200.44	FT.
	D.C.	63.41	
13	8 1/2 O.D.	387.62	FT.
	D.C. I.D. O.D.		FT.
	STB. BODY O.D.		FT.
	STB. BODY O.D.		FT.
1	RMR. BODY O.D.	4.85	FT.
	SUBS O.D.	10.60	FT.
2	BIT OR C.B.	6.44 9.19	FT.
			FT.
	KELLY DOWN	41.00	FT.
	TOTAL	2029.00	FT.
WT. OF STRING		70 M	LBS.

BIT RECORD

BIT NO.	6
SIZE	8¾
MFG.	Smith
TYPE	555
NOZZLE NO.	3
NOZZLE SIZE	13
SER. NO.	FL365
DEPTH OUT	2003
DEPTH IN	26
TOTAL FTG.	5¼
TOTAL HR. RUN	
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	2⁰⁰	6⁰⁰	11⁰⁰
WEIGHT	9.1	9.1	9.1
VISC.-SEC	39	39	39
W.L.-C.C.			
FLTR. CK		8	11
PH	9.5	9.1	9.1
SD. CONT. %		39	39
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER

FOOTAGE

FROM	TO	DR. RM. CORE	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
1330	1⁰⁰	2		Worked on Exp's.	42	20/25	1200	5½	70			
2003								x				
								14				

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
2029								

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4⁰⁰	5³⁰	1½	Picked up Reammer Stab x Run in with Bit #8
5³⁰	6⁴⁵	1¼	Reaming 100' To Bottom
6⁴⁵	12⁰⁰	5¼	DRLG. 8¾ Hole

DAILY DRILLING REPORT

REPORT NO. _____ DATE JAN 6 - 11

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
Mobil Oil Canada LTD	Mobil Hume River	2-84	Hume River	N.W.T	CANADA

CONTRACTOR: S & T DRILLING (WESTERN) CO. LTD. RIG NO. 1E

DRILL PIPE STRING: NO. 2, SIZE 4½" — TOOL JOINT 5" O.D., TYPE THD 3½" IF

SIGNATURE OF OPERATOR'S REPRESENTATIVE: [signature]

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: R. Webber

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NAT.	K-380	14"
2.	NAT.	K-380	14"
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9⅝	Imp.	36# J-55	21	774	1200	750	Cemented w/465sx 2.5% Cal.

TIME DISTRIBUTION–HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	7¼	3	2¾
REAMING			3½
CONDITIONING MUD & CIRCULATING	*		
TRIPS		3½	1
LUBRICATE RIG			
DEVIATION SURVEY	½	¼	½
TEST B.O.P.	¼	¼	¼
CUT OFF DRILLING LINE			
REPAIR RIG			
[illegible]			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER Pick up STABS		1	
FISHING			

COMPLETION WORK

A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK

HRS. W/DP

HRS. WO/DP

HRS. STANDBY

TOTAL DAY WORK

WIRE LINE RECORD

REEL NO.

NO. OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
14	STANDS D.P.	1298.95	FT.
	SINGLES D.P.		FT.
12	D.C. 7½ I.D. 6" O.D.	390.82	FT.
	D.C. I.D. O.D.		FT.
1	STB. BODY O.D.	6.70	FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
	SUBS O.D.		FT.
	BIT OR C.B.		FT.
			FT.
	KELLY DOWN	35.53	FT.
	TOTAL	1732.00	FT.

WT. OF STRING 63 M LBS.

BIT RECORD

BIT NO.	RR 6
SIZE	8¾
MFG.	H-W
TYPE	X 16
NOZZLE NO.	3
NOZZLE SIZE	12 11
SER. NO.	29128
DEPTH OUT	
DEPTH IN	1502
TOTAL FTG.	230
TOTAL HR. RUN	21¼
COND. OF BIT	RUN
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	1⁰⁰	3⁰⁰	6⁷
WEIGHT	8.9	8.9	8.9
VISC.-SEC	40	40	39
W.L.-C.C.		14.0	
FL.TR. CK.		2/32	
PH		9.5	9.5
SD. CONT. %	P.V.	8.	
PRESSURE GRADIENT	Y.P.	12.	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER Ron Savill

FOOTAGE

FROM	TO	DR.–D RM.–R CORE.–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.–S PAR'EL–P COM'D–C
1665	1732	R			120/50	5M	1375	5½	70			
								X				
								14				

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
1671	5⅛°		1703	4⅞				

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12.00	1.15	1¼	Drlg.
1.15	1.30	¼	Survey @ 1671
1.30	1.45	¼	See Rig ✓ BOPs. Kelly Cock.
1.45	5.15	3½	Drlg.
5.15	5.30	¼	Survey @ 1703'
5.30	8.00	2½	Drlg.

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
14	STANDS D.P.	1330.65	FT.
	SINGLES D.P.	316.0	FT.
13	D.C. I.D. O.D.	390.82	FT.
	D.C. I.D. O.D.		FT.
1	STB. BODY O.D.	6.70	FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
	SUBS O.D.		FT.
	BIT OR C.B.		FT.
			FT.
	KELLY DOWN	41.00	FT.
	TOTAL	1769	FT.

WT. OF STRING 63 M. LBS.

BIT RECORD

BIT NO.	RR 6
SIZE	8¾
MFG.	HW.
TYPE	X 16
NOZZLE NO.	2
NOZZLE SIZE	12 11
SER. NO.	29128
DEPTH OUT	1769
DEPTH IN	1502
TOTAL FTG.	267
TOTAL HR. RUN	24¾
COND. OF BIT	3-2 I
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	10⁰⁰		
WEIGHT	8.9		
VISC.-SEC	38		
W.L.-C.C.			
FL.TR. CK.			
PH	9.5		
SD. CONT.%			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	1000		
Kwikseal	100		
Plaster	50		

DRILLER R. Hendry

FOOTAGE

FROM	TO	DR.–D RM.–R CORE.–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.–S PAR'EL–P COM'D–C
1732	1769	R			120	6	1375	5½	70			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
1735	5°		1765	5¾				

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8.00	8.30	½	DRLG. 8¾ hole
8.30	8.45	¼	Rig Serv. ✓ BOPs.
8.45	9.00	¼	Surv. @ 1735
9.00	11.30	2½	DRLG 8¾ hole
11.30	3.00	3½	Pump out 9 singles & trip out.
3.00	4.00	1	Picked up Stab.

Checked All Fire Extinghisher's.

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
15	STANDS D.P.	1391.85	FT.
	SINGLES D.P.		FT.
13	D.C. 7½ I.D. 6" O.D.	390.82	FT.
1	D.C. I.D. O.D.	10.60	FT.
3	STB. BODY O.D.	15.76	FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
1	SUBS DP O.D.	.75	FT.
	BIT OR C.B.		FT.
			FT.
	KELLY DOWN	35.97	FT.
	TOTAL	1845.00	FT.

WT. OF STRING 66M LBS.

BIT RECORD

BIT NO.	#7
SIZE	8¾
MFG.	Smith
TYPE	5DT
NOZZLE NO.	2
NOZZLE SIZE	13 13 13
SER. NO.	FF633
DEPTH OUT	
DEPTH IN	1769
TOTAL FTG.	76
TOTAL HR. RUN	2¾
COND. OF BIT	RUN
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	1	9⁰⁰	12⁰⁰
WEIGHT	9		9.0
VISC.-SEC	1		54
W.L.-C.C.	9		
FL.TR. CK	1		
PH	1		
SD. CONT.%	4		
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
PLASTER	100#		
Caustic	50#		
DOW B	10#		

DRILLER RON

FOOTAGE

FROM	TO	DR–D RM–R CORE–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.–S PAR'EL–P COM'D–C
1769	1845	R			80	15/20		5½	70			
								Y				
								14				

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
1789	5⅛°		1819	5¾°				

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4.00	5.00	1	Run in w/ Bit #7.
5.00	5.15	¼	Rig Serv.
5.15	8.45	3½	Reaming from 1459 to 1769.
8.45	9.30	¾	DRLG. 8¾" hole
9.30	9.45	¼	Survey 1789
9.45	10.45	1	DRLG
10.45	11.00	¼	Survey @ 1819'
11.00	12.00	1	DRLG

KODAK SAFETY

DAILY DRILLING REPORT

REPORT NO. 21 DATE Jan 2-11

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
Mobil Oil CANADA LTD	Mobil Oil Hume River.	2-09	Hume River	N. W. T	CANADA

CONTRACTOR	RIG NO.	DRILL PIPE STRING NO.	DRILL PIPE STRING SIZE	TOOL JOINT	PUMPS NO.	MANUFACTURER	TYPE	STROKE LENGTH
S & T DRILLING (WESTERN) CO. LTD.	1E	2	4"	5" O.D. TYPE THD. 3½ IF	1.	NSCO.	K 380	14"
					2.	NSCO.	K 380	14"
					3.			

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: R. A. Webber

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9⅝	Jap.	36# J55	21	774	1200	750	CEMENTED To SURF. w/ 465 sax 2.5% Cal.

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	½	6½	7½
REAMING Fanning	6½		
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG			
DEVIATION SURVEY	¾	1	¾
TEST B.O.P.	¼	¾	¼
CUT OFF DRILLING LINE			
REPAIR RIG			
BOILERS			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER Working Light Now		½	
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK			
HRS. W/DP			
HRS. WO/DP			
HRS. STANDBY			
TOTAL DAY WORK			

WIRE LINE RECORD

REEL NO.

NO. OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
11	STANDS D.P.	1019.35	FT.
2	SINGLES D.P.	62.29	FT.
13	D.C. 2⅞ I.D. 6" O.D.	390.82	FT.
	D.C. I.D. O.D.		FT.
1	STB. @90° BODY O.D. 6.70	6.70	FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
	SUBS O.D.		FT.
	BIT OR C.B.		FT.
			FT.
	KELLY DOWN	33.86	FT.
	TOTAL	1513.00	FT.
WT. OF STRING	62M		LBS.

BIT RECORD		
BIT NO.	RR # 6	
SIZE	8¾	
MFG.	H-W	
TYPE	X16	
NOZZLE NO.	2½ 1½	
NOZZLE SIZE		
SER. NO.	29128	
DEPTH OUT		
DEPTH IN	1502	
TOTAL FTG.	11	
TOTAL HR. RUN	½	
COND. OF BIT	Run	
REAMER NO.		
REAMER TYPE		

MUD RECORD			
TIME	1st	2nd	6th
WEIGHT	1	8.8	8.8
VISC.-SEC	R	38	39
W.L.-C.C.	1		12.8
FLTR. CK.	P		2/32
PH	P		9.5
SD. CONT. %	¼	P.V.	10
PRESSURE GRADIENT	G	Y.P	5

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER Ron Smith

FOOTAGE FROM	FOOTAGE TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)
1492	1502			Fanning
1502	1513			

ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
120	7m	1150	5½	65			
120	7m	1150	X				
			14				

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	1500	4⅞		1500	4⅞				

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12⁰⁰	12³⁰	½	Run in To 1472'
12³⁰	1¹⁵	¾	Fanning To Bottom
1¹⁵	1³⁰	¼	Ser. Rig ✓ B.O.P.
1³⁰	3⁰⁰	1½	Fanning.
3⁰⁰	3¹⁵	¼	Survey @
3¹⁵	6¹³	3	Fanning.
6¹³	6⁴⁵	½	Survey's
6⁴⁵	7³⁰	¾	Fanning
7³⁰	8⁰⁰		DRILLING 8¾" HOLE

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
12	STANDS D.P.	1602	FT.
2	SINGLES D.P.	61.76	FT.
13	D.C. I.D. O.D.	390.82	FT.
	D.C. I.D. O.D.		FT.
1	STB. BODY O.D.	6.70	FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
	SUBS O.D.		FT.
	BIT OR C.B.		FT.
			FT.
	KELLY DOWN	35.00	FT.
	TOTAL	1513	FT.
WT. OF STRING			LBS.

BIT RECORD		
BIT NO.	RR # 6	
SIZE	8¾	
MFG.	H-W	
TYPE	X16	
NOZZLE NO.	3 3 1	
NOZZLE SIZE		
SER. NO.	29128	
DEPTH OUT		
DEPTH IN	1502	
TOTAL FTG.	111	
TOTAL HR. RUN	6¾	
COND. OF BIT	Run	
REAMER NO.		
REAMER TYPE		

MUD RECORD			
TIME	10⁰⁰	10⁰⁰	3⁰⁰
WEIGHT	8.9	8.9	8.8
VISC.-SEC	38	37	36
W.L.-C.C.			
FLTR. CK.			
PH	9.0	9.0	9.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	500	Caustic	50
Kelzan	50		
Plaster	50		

DRILLER R. Hanley.

FOOTAGE FROM	FOOTAGE TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)
1513	1613	D		

ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
120	7m	1150	5½	65			
120	10m	1150	5½	X			
120	7m	1150	5½	14			

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	1517	4½		1547	4½		1580	4⅞	1610 5⅛°

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8⁰⁰	8³⁰	½	DRLG 8¾ hole.
8³⁰	8⁴⁵	¼	Rig Serv. & BARS & Kelly cock
8⁴⁵	9⁰⁰	¼	Survey @ 1517
9⁰⁰	10⁴⁵	1¾	DRLG 8¾ hole
10⁴⁵	11⁰⁰	¼	Survey @ 1547
11⁰⁰	12⁴⁵	1¾	DRLG. 8¾ hole.
12⁴⁵	1⁰⁰	¼	Survey @ 1580
1⁰⁰	3¹⁵	2¼	DRLG 8¾ hole

315 – 330 ¼ Survey @ 1610 5⅛
330 – 345 ¼ Work Light Spot.
345 – 400 ¼ DRLG. 8¾ Hole

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
13	STANDS D.P.		FT.
1	SINGLES D.P.	1236.97	FT.
13	D.C. 2⅞ I.D. 6" O.D.	390.82	FT.
	D.C. I.D. O.D.		FT.
1	STB. @98° BODY O.D.	6.70	FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
	SUBS O.D.		FT.
	BIT OR C.B.		FT.
			FT.
	KELLY DOWN	30.51	FT.
	TOTAL	1665.00	FT.
WT. OF STRING	63M		LBS.

BIT RECORD		
BIT NO.	RR #6	
SIZE	8¾	
MFG.	H-W	
TYPE	X16	
NOZZLE NO.	3 12 11	
NOZZLE SIZE		
SER. NO.	29128	
DEPTH OUT		
DEPTH IN	1502	
TOTAL FTG.	163	
TOTAL HR. RUN	14	
COND. OF BIT	Run	
REAMER NO.		
REAMER TYPE		

MUD RECORD			
TIME	6⁰⁰	8⁰⁰	11⁰⁰
WEIGHT	8.9	8.9	8.9
VISC.-SEC	40	40	39
W.L.-C.C.			
FLTR. CK			
PH	9.5	9.5	9.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Dowicide	20#		

DRILLER Rollie & Ron

FOOTAGE FROM	FOOTAGE TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)
1613	1665	D		

ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
120	5m	1375	5½	70			

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	1640	5°							

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4⁰⁰	4¹⁵	¼	Rig Serv.
4¹⁵	8³⁰	4¼	DRLG.
8³⁰	8⁴⁵	¼	Survey @ 1640
8⁴⁵	12⁰⁰	3¼	DRLG

DAILY DRILLING REPORT

REPORT NO. ____ DATE ____ Gain 4

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
Mobil Oil Canada LTD	Mobil Oil Hume River	K-09	Hume River	N.W.T	CANADA

CONTRACTOR	RIG NO.	DRILL PIPE STRING NO.	DRILL PIPE STRING SIZE	TOOL JOINT	O.D.
S & T DRILLING (WESTERN) CO. LTD.	1E	2	3½"	TYPE THD 3½ IF	5"

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: L.N. Webber

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NSCO	K-380	14"
2.	NSCO.	K-380	14"
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9⅝"	JAP	36 J-55	21	774'	1200	750	CEMENTED To SURFACE w/ 465 sax 2.5% Cal

TIME DISTRIBUTION–HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	5¼	6¾	1½
REAMING STABS	1		
CONDITIONING MUD & CIRCULATING			
TRIPS	1		3½
LUBRICATE RIG		¼	
DEVIATION SURVEY		½	½
TEST B.O.P.	¾		¼
CUT OFF DRILLING LINE			
REPAIR RIG			
RIGGING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER	½		3¼
FISHING			

COMPLETION WORK: A. PERFORATING; B. TUBING TRIPS; C. SWABBING; D. TESTING; E. ADDITIONAL; SKILLS

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK; HRS. W/DP; HRS. WO/DP; HRS. STANDBY; TOTAL DAY WORK

WIRE LINE RECORD

REEL NO.; NO. OF LINES; SIZE; FEET SLIPPED; FEET CUT OFF; PRESENT LENGTH; TON MI. OR TRIPS SINCE LAST CUT; CUMULATIVE TON MI. OR TRIPS; NO. OF DAYS FROM SPUD; CUMULATIVE ROTATING HRS.

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
1	STANDS D.P.	832.87	FT.
2	SINGLES D.P.	62.70	FT.
13	D.C. 7⅞ O.D. 6" O.D.	387.62	FT.
1	D.C. I.D. O.D.	10.60	FT.
3	STB. BODY O.D.	12.85	FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
	SUBS O.D.		FT.
	BIT OR C.B.		FT.
			FT.
	KELLY DOWN	41.00	FT.
	TOTAL	1347.00	FT.

WT. OF STRING 64M LBS.

BIT RECORD	
BIT NO.	6
SIZE	8¾
MFG.	H-W
TYPE	X16
NOZZLE NO.	3
NOZZLE SIZE	1/2 1/11
SER. NO.	29128
DEPTH OUT	
DEPTH IN	1315
TOTAL FTG.	32
TOTAL HR. RUN	5¼
COND. OF BIT	RUN
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	2⁰⁰	4⁰⁰	7⁰⁰
WEIGHT	8.7	8.7	8.7
VISC.–SEC	36	37	42
W.L.–C.C.			11.4
FLTR. CK.			3/32
PH			9.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	100#	BARITE B	10#
KELTAN	100#		
PLASTER	100#		

DRILLER Ron Swill

FOOTAGE FROM	TO	DR.–D RM.–R CORE–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL–S PAR'EL–P COM'D–C
1315	1347	D			110	7M	1295	5½ X 14	7			

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1200	1215	¼	Rig Ser. ✓ BOPs
1215	1245	½	Pick up Stab. + Short Collar.
1245	1445	1	Run in w/ Bit #6
1445	2⁰⁰	1	Reaming To Bottom From 1220' To 1315'

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
1	STANDS D.P.	~~1019.35~~ 832.87	FT.
2	SINGLES D.P.	~~36.90~~ 62.70	FT.
12	5⅜ Stands	~~387.62~~ 387.62	FT.
3	7⅞ O.D. 6" O.D.	38.62	FT.
1	D.C. I.D. O.D.	10.60	FT.
3	STB. BODY C.D.	12.85	FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
	SUBS O.D.		FT.
	BIT OR C.B.		FT.
			FT.
	KELLY DOWN	41.00	FT.
	TOTAL	1347	FT.

WT. OF STRING 64M LBS.

BIT RECORD	
BIT NO.	6
SIZE	8¾
MFG.	H-W
TYPE	X16
NOZZLE NO.	3
NOZZLE SIZE	1/2 1/11
SER. NO.	29128
DEPTH OUT	
DEPTH IN	1315
TOTAL FTG.	156
TOTAL HR. RUN	~~12¼~~ 11½
COND. OF BIT	Run
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	10³⁰	1⁰⁰	3⁰⁰
WEIGHT	8.7	8.8	8.8
VISC.–SEC	38	38	37
W.L.–C.C.			11.6
FLTR. CK.			2/32
PH	9.0	9.0	9.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Caustic	50#		

DRILLER R. Henley

FOOTAGE FROM	TO	DR.–D RM.–R CORE–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL–S PAR'EL–P COM'D–C
1347	1439	D			120	5	1250	5½	73	5½		
					120	10	1275	"	"	"		
					120	20	1275	"	"	"		

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	1345	3⅜		1360	3¾		1375	3½	

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8⁰⁰	8¹⁵	¼	Survey @ 1345
8¹⁵	8³⁰	¼	Rig Serv. ✓ BOPs
8³⁰	11³⁰	3	D.R.L.G. 8¾ Hole
11³⁰	11⁴⁵	¼	Survey @ 1360
11⁴⁵	12³⁰	¾	D.R.L.G. 8¾ Hole
12³⁰	12⁴⁵	¼	Survey @ 1375
12⁴⁵	2⁰⁰	1¼	D.R.L.G. 8¾ Hole
2⁰⁰	2¹⁵	¼	Survey @ 1470
2½	3¹⁵	1	Drlg 8¾ Hole
3¹⁵	3³⁰	¼	Survey @ 1425
3³⁰	3⁴⁵	¼	SD-Drlg 8¾ Hole
3⁴⁵	4⁰⁰		Survey @ 1440
Surveys @ 1410			
"	"	1425	
"	"	1440	

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
11	STANDS D.P.	1019.35	FT.
1	SINGLES D.P.	36.90	FT.
13	D.C. 7⅞ O.D. 6" O.D.	387.62	FT.
1	D.C. I.D. O.D.	10.60	FT.
3	STB. BODY O.D.	12.85	FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
	SUBS O.D.		FT.
	BIT OR C.B.		FT.
			FT.
	KELLY DOWN	41.00	FT.
	TOTAL	1502.32	FT.

WT. OF STRING 64M LBS.

BIT RECORD	
BIT NO.	6
SIZE	8¾
MFG.	H-W
TYPE	X16
NOZZLE NO.	3
NOZZLE SIZE	1/2 1/11
SER. NO.	29128
DEPTH OUT	1502
DEPTH IN	1315
TOTAL FTG.	187
TOTAL HR. RUN	~~13~~ 13
COND. OF BIT	1-1-I
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	6⁰⁰	8⁰⁰	
WEIGHT	8.8	T	T
VISC.–SEC	40	R	R
W.L.–C.C.		I	I
FLTR. CK		P	P
PH	9.6	I	P
SD. CONT. %		C	NC
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER Kellie + Ron.

FOOTAGE FROM	TO	DR.–D RM.–R CORE–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL–S PAR'EL–P COM'D–C
1439	1502	D			120	20	1275	5½ X 14	73			

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	1470			1500	4¾				

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4⁰⁰	4¹⁵	¼	Rig Serv. ✓ BOPs
4¹⁵	5⁰⁰	¾	D.R.L.G. 8¾ Hole
5⁰⁰	5¹⁵	¼	Survey @ 1470
5¹⁵	6⁰⁰	¾	D.R.L.C. 8¾ Hole
6⁰⁰	6¹⁵	¼	Survey @ 15.00
6¹⁵	7⁴⁵	1½	Work tight hole + Circ. ½ hr for trip out
7⁴⁵	10⁴⁵	3	Pumped out 10 singles + Trip out
10⁴⁵	11³⁰	¾	Layed Down STABS + DRill Collar.
11³⁰/12⁰⁰			Pickup Bit Sub
Make up Bit + Run 4 Rib Stab. 90' above Bit + Run in			

DAILY DRILLING REPORT

REPORT NO. ___ DATE Jan 27 19__

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
Mobil Oil Canada LTD.	Mobil Oil Hume River	K-09	Hume River	N.W.T	CANADA

CONTRACTOR: S & T DRILLING (WESTERN) CO. LTD. — RIG NO.: 1E

DRILL PIPE STRING: NO. ___ SIZE ___ — TOOL JOINT: 5" O.D. — TYPE THD. 3½" IF

SIGNATURE OF OPERATOR'S REPRESENTATIVE: ___

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: L.H. Webber

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NSCO	K-380	14"
2.	NSCO	K-380	14"
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9⅝	Tapp.	36# J55	21	774	1200	750	Cemented w/ 465 sax 2.5% Cal

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	7¼	6¾	4½
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			¼
LUBRICATE RIG		½	
DEVIATION SURVEY	½	¾	½
TEST B.O.P.	¼		¼
CUT OFF DRILLING LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			1½
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK	
HRS. W/DP	
HRS. W/O DP	
HRS. STANDBY	
TOTAL DAY WORK	

WIRE LINE RECORD

REEL NO.	
NO. OF LINES	SIZE
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
8	STANDS D.P.	739.06	FT.
2	SINGLES D.P.	63.11	FT.
13	D.C. 8" O.D.	390.82	FT.
	D.C. I.D. O.D.		FT.
	STB. BODY O.D.		FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
	SUBS O.D.		FT.
	BIT OR C.B.		FT.
1	Dyna Drill	25.85	FT.
	KELLY DOWN	23.22	FT.
	TOTAL	1242.00	FT.
WT. OF STRING	63M		LBS.

BIT RECORD

BIT NO.	5	
SIZE	8¾	
MFG.	H-W	
TYPE	X16	
NOZZLE NO.	2	1
NOZZLE SIZE	14	15
SER. NO.	29136	
DEPTH OUT		
DEPTH IN	1155	
TOTAL FTG.	87	
TOTAL HR. RUN	9¾	
COND. OF BIT	RUN	
REAMER NO.	—	
REAMER TYPE		

MUD RECORD

TIME	10⁰⁰	3⁰⁰	6⁰⁰
WEIGHT	8.7	8.7	8.7
VISC.-SEC	37	38	37
W.L.-C.C.			
FLTR. CK.			
PH	9.5	9.5	9.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: Ron Smith

FOOTAGE

FROM	TO	DR.-D RM.-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
1211	1242	D			20	✓	650	5½	73	5½	—	5
				BIT	350	2M		x		x		
						3M		14		14		

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	1195	3¾°		1210	3½°				

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2²⁰	2¹⁵	2¼	T.C.S Hole drilling w/ Dyna Drill — Hold Blowout Drill
2¹⁵	2³⁰	¼	Survey @ 1195
2³⁰	2⁴⁵	¼	Rig Serv. ✓ BOPs + kelly Cock.
2⁴⁵	6⁴⁵	4	T.C.S Hole DRILLING w/ Dyna Drill
6⁴⁵	7⁰⁰	¼	Survey @ 1210'
7⁰⁰	8⁰⁰	1	T.C.S. Hole DRLG. w/ Dyna DRILL

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
9	STANDS D.P.	832.87	FT.
2	SINGLES D.P.	63.11	FT.
13	D.C. I.D. O.D.	390.82	FT.
	D.C. I.D. O.D.		FT.
	STB. BODY O.D.		FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
	SUBS O.D.		FT.
	BIT OR C.B.		FT.
1	Dyna Drill	25.45	FT.
	KELLY DOWN	23.00	FT.
	TOTAL	1272	FT.
WT. OF STRING	63 m		LBS.

BIT RECORD

BIT NO.	5	
SIZE	8¾	
MFG.	H-W.	
TYPE	X16	
NOZZLE NO.	2	1
NOZZLE SIZE	14	15
SER. NO.	29136	
DEPTH OUT		
DEPTH IN	1155	
TOTAL FTG.	117	
TOTAL HR. RUN	~~26½~~	
COND. OF BIT	~~BT~~ 3-1-1	
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	10⁰⁰	12⁰⁰	2⁰⁰
WEIGHT	8.7	8.7	8.7
VISC.-SEC	37	36	34
W.L.-C.C.			
FLTR. CK.			
PH	9.5	9.5	9.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
gel	5⁰⁰	Dura P	20
Plastex	50		
Kelzan	50		

DRILLER: R. Hanley

FOOTAGE

FROM	TO	DR.-D RM.-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
1242	1272	D			20	3M	650	5½	73	5½		
								x		x		
								14		14		

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	1225	3¾	~~DRIFT~~	1240	3⅝		1245	3⅝	

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8⁰⁰	9³⁰	1½	T.C.S. Hole DRLG. w/ Dyna Drill
9³⁰	~~9⁴⁵~~	¼	Serv. @ 1225'.
9⁴⁵	10⁰⁰	¼	Rig Serv. ✓ B.O.P.s
10⁰⁰	2.30	4½	T.C.S Hole DRLG. w/ Dyna Drill
2³⁰	~~3⁴⁵~~	¼	Serv. @ 1240
~~3⁴⁵~~	~~3³⁰~~	¾	T.C.S Hole
3.30	3⁴⁵	¼	Survey @. 1245'
3⁴⁵	4.00	¼	Rig Serv.

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
9	STANDS D.P.	832.87	FT.
1	SINGLES D.P.	31.55	FT.
13	D.C. I.D. O.D.	390.82	FT.
	D.C. I.D. O.D.		FT.
	STB. BODY O.D.		FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
	SUBS O.D.		FT.
	BIT OR C.B.		FT.
1	DYNA	25.85	FT.
	KELLY DOWN	33.91	FT.
	TOTAL	1315.00	FT.
WT. OF STRING	63M		LBS.

BIT RECORD

BIT NO.	5	
SIZE	8¾	
MFG.	H W.	
TYPE	X16	
NOZZLE NO.	2	1
NOZZLE SIZE	14	15
SER. NO.	29136	
DEPTH OUT		
DEPTH IN	1155	
TOTAL FTG.	160	
TOTAL HR. RUN	31	
COND. OF BIT	3-1-1	
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	6⁰⁰	8⁰⁰	
WEIGHT	8.7	8.7	
VISC.-SEC	40	39	
W.L.-C.C.			
FLTR. CK			
PH	9.5		
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: Ron

FOOTAGE

FROM	TO	DR.-D RM.-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
1272	1315	D			20	3/5	650	5½	73			
				BIT	350			x				
								14				

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	1260	3¾		1295.	3½°				

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4⁰⁰	5⁰⁰	1	T.C.S. Hole DRLG. w/ Dyna Drill
5⁰⁰	5¹⁵	¼	Survey @. 1260
5¹⁵	8⁴⁵	3½	T.C.S Hole DRILL w/ DYNA DRILL
8⁴⁵	9⁰⁰	¼	Survey
9⁰⁰	9¹⁵	¼	Ser. Rig + B.O.P
9¹⁵	10³⁰	1¼	Trip Out
10³⁰	12⁰⁰	1½	Break down DYNA DRILL + Laydown.

DAILY DRILLING REPORT

REPORT NO. 10 DATE Jan 7 - 71

OPERATOR: Mobil Oil Can. LTD.

LEASE: Mobil Oil Hume River

WELL NO.: L-09

FIELD OR DIST.: Hume River

COUNTY: N.W.T

STATE: CANADA

CONTRACTOR: S & T DRILLING (WESTERN) CO. LTD.

RIG NO.: 1E

DRILL PIPE STRING: NO. 2, SIZE 4" — TOOL JOINT: TYPE THD 3½" IF, 5" O.D.

SIGNATURE OF OPERATOR'S REPRESENTATIVE:

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: L. Webber

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NSCO	A 380	14"
2.	NSCO	A 380	14"
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9⅝		36# J-55	21	774	12.00	750'	CEMENTED W/ 465 SXS
							2.5% Cal To SURFACE

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	6		
REAMING Fanning		5½	7
CONDITIONING MUD & CIRCULATING			
TRIPS	1	1	
LUBRICATE RIG		¼	
DEVIATION SURVEY	¾		¼
TEST B.O.P.	¼		¼
CUT OFF DRILLING LINE			
REPAIR RIG			½
[illegible]RING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			
FISHING			1¼
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK			
HRS. W/DP			
HRS. WO/DP			
HRS. STANDBY			
TOTAL DAY WORK			

WIRE LINE RECORD

REEL NO.

NO. OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
8	STANDS D.P.	739.00 FT.
1	SINGLES D.P.	31.48 FT.
13	D.C. 2¾ I.D. 1⅞" O.D.	387.62 FT.
	D.C. I.D. O.D.	FT.
3	STB. BODY O.D. 16.16	FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
	SUBS O.D.	FT.
1	Collar BIT OR C.B. 10.60	FT.
		FT.
	KELLY DOWN 31.12	FT.
	TOTAL 1216.00	FT.

WT. OF STRING 63 M LBS.

BIT RECORD

BIT NO.	4
SIZE	8¾"
MFG.	Smith
TYPE	DT
NOZZLE NO.	2 2 2
NOZZLE SIZE	4/32 4/32 3/32
SER. NO.	CR-849
DEPTH OUT	1216
DEPTH IN	175
TOTAL FTG.	41
TOTAL HR. RUN	6¾
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	10⁰⁰	30⁰⁰	600
WEIGHT	8.6	8.6	8.6
VISC.-SEC	30	36	39
W.L.-C.C.			13.0
FL.TR. CK.			2/32
PH	10.5	10.5	9.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	500#		
KELZAN	100#		

DRILLER: Ray Snell

FOOTAGE

FROM	TO	DR.D RM.R CORE.C	CORE NO:	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO 1 LINER SIZE	PUMP NO 1 S.P.M.	PUMP NO 2 LINER SIZE	PUMP NO 2 S.P.M.	METHOD RUN SGL—S PAR'EL—P COM'D—C
1181	1216	D			60/80	5M	550	5½	73	5½	—	
					120	3M		x		x		
								14		14		

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	1175'	3½		1190	3¾		1205	¼0	

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1200	1215	¼	Survey @ 1175'
1215	245	2½	Drlg 8¾" hole
245	300	¼	Survey @ 1190'
300	315	¼	~~Drlg 8¾" hole~~ Ser. Rig ✓ B.O.P.s - Kelly Cock.
315	615	3	DRLG 8¾" hole
615	630	¼	Survey @ 1205
630	700	½	DRLG.
700	800	1	TRIP OUT.

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
8	STANDS D.P.	739.45 FT.
1	SINGLES D.P.	~~739.45~~ 31.48 FT.
13	D.C. 2¾ I.D. 1⅞" O.D.	387.62 FT.
	D.C. I.D. O.D.	FT.
	STB. BODY O.D.	FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
1	Dyna Drill	25.85 FT.
	KELLY DOWN 17.	FT.
	TOTAL 1200.	FT.

WT. OF STRING 63 M LBS.

BIT RECORD

BIT NO.	5
SIZE	8¾
MFG.	HW.
TYPE	X16
NOZZLE NO.	2 1 1
NOZZLE SIZE	19 15
SER. NO.	29126
DEPTH OUT	
DEPTH IN	1185
TOTAL FTG.	15
TOTAL HR. RUN	5½
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME		1200	200
WEIGHT	T	8.7	87
VISC.-SEC	Q	37	08
W.L.-C.C.	I		
FL.TR. CK.	P		
PH		9.5	9.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	500	Kelzan	50
Plaster	500		
Caustic	50		

DRILLER: R. Hurley

FOOTAGE

FROM	TO	DR.D RM.R CORE.C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO 1 LINER SIZE	PUMP NO 1 S.P.M.	PUMP NO 2 LINER SIZE	PUMP NO 2 S.P.M.	METHOD RUN SGL—S PAR'EL—P COM'D—C
1285	1200'			Fanning w/ Dyna Drill	20	—	650	5½	73	5½		5
				BIT 350				x		x		
								14		14		

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
800	815	¼	Rig Serv. ✓ ✓ B.O.Ps
815	930	1¼	Layed down Stab. & Picked up Dyna Drill.
930	1030	1	Run in w/ Dyna Drill
1030	400	5½	~~R Fanned~~ ~~#~~ From 1245 to 1200

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
8	STANDS D.P.	739.00 FT.
1	SINGLES D.P.	31.48 FT.
13	D.C. 2¾ I.D. 1⅞" O.D.	390.87 FT.
	D.C. I.D. O.D.	FT.
	STB. BODY O.D.	FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
1	Dyna Drill	25.85 FT.
	KELLY DOWN 23.85	FT.
	TOTAL 1211.00	FT.

WT. OF STRING 63 M LBS.

BIT RECORD

BIT NO.	5
SIZE	9¾"
MFG.	H-W
TYPE	X16
NOZZLE NO.	2 1 1
NOZZLE SIZE	19 15
SER. NO.	29126
DEPTH OUT	
DEPTH IN	1185
TOTAL FTG.	26
TOTAL HR. RUN	12½
COND. OF BIT	RUN
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	600	800	1100
WEIGHT	8.6	8.7	8.7
VISC.-SEC	40	38	37
W.L.-C.C.		12.8	
FL.TR. CK		2/32	
PH	10.0		9.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Dow-B	15#		

DRILLER: Ken

FOOTAGE

FROM	TO	DR.D RM.R CORE.C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO 1 LINER SIZE	PUMP NO 1 S.P.M.	PUMP NO 2 LINER SIZE	PUMP NO 2 S.P.M.	METHOD RUN SGL—S PAR'EL—P COM'D—C
1200'	1211'			Fanning w/ Dyna Drill	20		650	5½	73	5½		5
				BIT 350				x		x		
								14		14		

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	1180	3½							

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
400	900	5	Fanning. Hole
900	915	¼	Survey
915	930	¼	Ser. Rig ✓ B.O.P.s & Kelly Cock.
930	1045	1¼	Fanning To Bottom
1045	1115	½	change RELAY SWITCH ON COMPRESSOR
1115	200	3/4	FANNING To Bottom 1211'

DAILY DRILLING REPORT

REPORT NO. 11 DATE Jan 1 - 71

OPERATOR: Mobil Oil Can. Ltd.

LEASE: Mobil Oil Hume River

WELL NO. L-09

FIELD OR DIST.: Hume River

COUNTY: N.W.T

STATE: CANADA

CONTRACTOR: S & T DRILLING (WESTERN) CO. LTD.

RIG NO.: 1E

DRILL PIPE STRING: NO. 2, SIZE 4"

TOOL JOINT: 5" O.D., TYPE THD. 3½ IF

SIGNATURE OF OPERATOR'S REPRESENTATIVE:

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: R.H. Webber

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NSCO	K-380	14"
2.	NSCO	K 380	14"
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9⅝		36 J-55	21	774'	12.00	750'	Cemented w/ 715 sacks
							2.5% Cal. to Surface

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	6¼	7½	1¾
REAMING			2¼
CONDITIONING MUD & CIRCULATING			
TRIPS			2¾
LUBRICATE RIG			
DEVIATION SURVEY	½	¼	
Rig See. TEST B.O.P.	¼	¼	¼
CUT OFF DRILLING LINE			
REPAIR RIG	¼		
SLIPPING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			1½
FISHING			

COMPLETION WORK: A. PERFORATING; B. TUBING TRIPS; C. SWABBING; D. TESTING; E. ADDITIONAL

TOTALS: 8 8 8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK

HRS. W/DP

HRS. WO/DP

HRS. STANDBY

TOTAL DAY WORK

WIRE LINE RECORD

REEL NO.

NO. OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
7	STANDS D.P.	644.90	FT.
2	SINGLES D.P.	62.67	FT.
3	D.C. 7¾ I.D. 6" O.D.	390.82	FT.
	D.C. I.D. O.D.		FT.
	STB. BODY O.D.		FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
	SUBS O.D.		FT.
	BIT OR C.B.		FT.
1	Dyna Dri.	25.45	FT.
	KELLY DOWN	24.76	FT.
	TOTAL	1149.00	FT.

WT. OF STRING 62M LBS.

BIT RECORD

BIT NO.	RR#1
SIZE	8¾
MFG.	H-W
TYPE	X16
NOZZLE NO.	2
NOZZLE SIZE	19 / 15
SER. NO.	28096
DEPTH OUT	
DEPTH IN	1086
TOTAL FTG.	63
TOTAL HR. RUN	18
COND. OF BIT	Run
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	1.00	3.00	6.00
WEIGHT	8.6	8.6	8.5
VISC.-SEC	30	30	30
W.L.-C.C.			
FLTR. CK.			
PH	11.0	11.0	11.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	500		

DRILLER: Ron Snell

FOOTAGE

FROM	TO	DR.D RM.R CORE.C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO.1 LINER SIZE	PUMP NO.1 S.P.M.	PUMP NO.2 LINER SIZE	PUMP NO.2 S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
1125	1149	D			20		600	5½	73	5½		
				B.T	350			X		X		
								14		14		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
1130'	3¼°		1145	3½°				

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
			Fuel 4:4/16
12.00	1.00	1	T.C.S. Hole DRLG w/ Dyna Drill.
1.00	1.15	¼	Survey @ 1130'
1.15	1.30	¼	Rig See & B.O.P. - Kelly Cock.
1.30	1145	3¼	T.C.S. Hole DRLG w/ Dyna Drill
1145	5.45	1	Work on Air Compresser & Motor Rocket
5.45	6.45	1	T.C.S. Hole DRLG. w/ Dyna Drill
6.45	7.00	¼	Survey @ 1195
7.00	8.00	1	T.C.S. 5" Hole DRLG. Dyna. Happy New Year.!

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
8	STANDS D.P.	739.00	FT.
	SINGLES D.P.		FT.
3	D.C. I.D. O.D.	390.82	FT.
	D.C. I.D. O.D.		FT.
	STB. BODY O.D.		FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
	SUBS O.D.		FT.
	BIT OR C.B.		FT.
1	Dyna Drill	25.85	FT.
	KELLY DOWN	18.00	FT.
	TOTAL	1173.67	FT.

WT. OF STRING 63 LBS.

BIT RECORD

BIT NO.	RR#1
SIZE	8¾
MFG.	H-W
TYPE	X16
NOZZLE NO.	2
NOZZLE SIZE	19 / 15
SER. NO.	28096
DEPTH OUT	
DEPTH IN	1086
TOTAL FTG.	87
TOTAL HR. RUN	23½
COND. OF BIT	Run.
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	9.00	12.00	3.00
WEIGHT	8.6	8.6	8.6
VISC.-SEC	30	30	30
W.L.-C.C.			
FLTR. CK.			
PH	10.5	10.5	10.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Flota	50#		
Kelzan	100#		

DRILLER: R. Hanly

FOOTAGE

FROM	TO	DR.D RM.R CORE.C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
1149	1173	D			20		600	5½	73	5½		
								X		X		
								14		14		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
1160	3¾							

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8.00	10.30	2½	T.C.S. Hole DRLG. w/ Dyna Drill
10.30	10.45	¼	Survey @ 1160
10.45	11.30	¾	Rig Ser. & BOPs.
11.30	4.00	5	T.C.S. Hole DRLG w/ Dyna Drill

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
8	STANDS D.P.	739.00	FT.
	SINGLES D.P.		FT.
3	D.C. 7¾ I.D. 6.60" O.D.	387.02	FT.
	D.C. I.D. O.D.		FT.
3	STB. BODY O.D.	16.16	FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
1	SUBS Collar O.D.	10.60	FT.
	BIT OR C.B.		FT.
			FT.
	KELLY DOWN	27.62	FT.
	TOTAL	1181	FT.

WT. OF STRING 63M LBS.

BIT RECORD

BIT NO.	RR#1	H
SIZE	8 3/4	8¾"
MFG.	H.W. SMITH	
TYPE	X16	DT
NOZZLE NO.	2 / 19 / 15	4 4 4 / 13
SER. NO.	28096	CR869
DEPTH OUT	1175	
DEPTH IN	1086	1175
TOTAL FTG.	89	6
TOTAL HR. RUN	30	¾
COND. OF BIT	3.1	Run
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME			10.00
WEIGHT			8.6
VISC.-SEC			30
W.L.-C.C.			
FLTR. CK			
PH			10.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: Nellie & Ron

FOOTAGE

FROM	TO	DR.D RM.R CORE.C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
1173	1181	D			70/80	5M	600	5½	73			
								X				
								14				

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
1150	3½							

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4.00	4.30	½	T.C.S. Hole DRLG. w/ Dyna Drill
4.30	6.00	1½	Dropped Surv. Hoist Ckr Fail.
6.00	6.15	¼	Rig Serv. & BOPs.
6.15	7.45	1½	Layed down Dyna Drill & pickup Collar & Stab.
7.45	9.00	1¼	Run in W/ BIT
9.00	11.15	2¼	Ream 120' To Bottom
11.15	12.00	¾	Drlg 8¾" hole

DAILY DRILLING REPORT

REPORT NO. — DATE Dec 31

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
Mobil Oil Canada LTD	Mobil Hume River	L-09	Hume River	N W T	Canada

CONTRACTOR: S & T DRILLING (WESTERN) CO. LTD. — RIG NO. 1E

DRILL PIPE STRING: NO. 2, SIZE 4" — TOOL JOINT: 5" O.D., TYPE THD 3½ IF

SIGNATURE OF OPERATOR'S REPRESENTATIVE:

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: L.P. Webber

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NSCO	K-380	14"
2.	NSCO	K-380	14"
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9⅝		36# J-55	21	774'	1200	750'	Cemented w/ 465sx +2.5% CaCl to Surface

TIME DISTRIBUTION–HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	7¼	5	7¼
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS		2¾	
LUBRICATE RIG		¼	
DEVIATION SURVEY	¼	½	½
~~SAFETY~~ TEST B.O.P.	¾		¼
CUT OFF DRILLING LINE			
REPAIR RIG			
RIGGING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
CLEAN OTHER TANKS	¼		
FISHING			
COMPLETION WORK: A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK	
HRS. W/DP	
HRS. WO/DP	
HRS. STANDBY	
TOTAL DAY WORK	

WIRE LINE RECORD

REEL NO.	
NO. OF LINES	SIZE
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
7	STANDS D.P.	644.90	FT.
	SINGLES D.P.		FT.
13	D.C. 2¾ I.D. 1" O.D.	390.82	FT.
	D.C. I.D. O.D.		FT.
2	STB. BODY O.D.	9.06	FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
	SUBS O.D.		FT.
	BIT OR C.B.		FT.
1	Dyna Drill	25.85	FT.
	KELLY DOWN	14.37	FT.
	TOTAL	1085'	FT.

WT. OF STRING 62 M LBS.

BIT RECORD

BIT NO.	RR#	3
SIZE		8¾
MFG.		H-W
TYPE		X16
NOZZLE NO.		3
NOZZLE SIZE		19
SER. NO.		28128
DEPTH OUT		
DEPTH IN		975
TOTAL FTG.		
TOTAL HR. RUN		35½
COND. OF BIT		
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	2.00	4.00	8.00
WEIGHT	8.4	8.4	8.4
VISC.–SEC	28	28	30
W.L.–C.C.			
FLTR. CK.			
PH			11.1
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
KELZAN	150#	GEL	800#
CAUSTIC	100#		
PLASTER	50#		

DRILLER Ron Savill

FOOTAGE

FROM	TO	DR.–D RM.–R CORE.–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO.1 LINER SIZE	PUMP NO.1 S.P.M.	PUMP NO.2 LINER SIZE	PUMP NO.2 S.P.M.	METHOD RUN SGL.–S PAR'EL–P COM'D–C
1062'	1085'	D			20		700	5½	73	5½		
				Bit	350			x		x		
								14"		14		

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	1070'	3½°							

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1200	215	2¾	T.C.S Hole Drlg. w/ Dynadrill
215	230	¼	Survey @ 1070
230	245	¼	Ser. Rig & B.O.P. & Kelly Cock.
245	300	¼	Clean Suction Tank's & Displace hole
300	800	5	T.C.S Hole Drlg. w/ Dyna Drill

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
7	STANDS D.P.	644.40	FT.
	SINGLES D.P.		FT.
	D.C. I.D. O.D.	390.82	FT.
	D.C. I.D. O.D.		FT.
	STB. BODY O.D.		FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
	SUBS O.D.		FT.
	BIT OR C.B.		FT.
1	Dyna Drill	25.85	FT.
	KELLY DOWN	39.00	FT.
	TOTAL	11.00	FT.

WT. OF STRING 62 M LBS.

BIT RECORD

BIT NO.	RR#	3	RR I
SIZE		8 3/4	8 3/4
MFG.		H-W	H-W
TYPE		X16	X16
NOZZLE NO.		2/19	2/19
NOZZLE SIZE		1/15	1/15
SER. NO.		28128	28096
DEPTH OUT		1086	
DEPTH IN		975	1086
TOTAL FTG.		111	14
TOTAL HR. RUN		36	4½
COND. OF BIT			
REAMER NO.			
REAMER TYPE			

MUD RECORD

TIME	9.00	11.00	3.00
WEIGHT	8.5	8.5	8.5
VISC.–SEC	29	30	30
W.L.–C.C.			
FLTR. CK.			
PH	11.0	11.0	11.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Plaster	50		
Kelzan	50		

DRILLER R. Hanley

FOOTAGE

FROM	TO	DR–D RM–R CORE–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO.1 LINER SIZE	PUMP NO.1 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PAR'EL–P COM'D–C
1085'	1100'				20		600	5½	73	5½		
				Bit	350		x			x		
							14			14		

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	1085	3¾		1090	3⅜				

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8.00	8.15	¼	Survey @ 1085
8.15	8.30	¼	Rig Serv. & B.O.Ps
8.30	9.00	½	T.C.S Hole DRLG. w/ Dynadrill
9.00	10.15	1¼	Hoist for Bit & Laid down Stabelizer.
10.15	11.15	1	Run in w/ Bit.
11.15	1.15	2	T.C.S. Hole DRLG. w/ Dyna Drill
1.15	1.30	¼	Servy @ 1090
1.30	4.00	2½	T.C.S. Hole DRLG w/ Dyna Drill

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
7	STANDS D.P.	644.90	FT.
1	SINGLES D.P.	31.04	FT.
13	D.C. 2¾ I.D. 1" O.D.	390.82	FT.
	D.C. I.D. O.D.		FT.
	STB. BODY O.D.		FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
	SUBS O.D.		FT.
	BIT OR C.B.		FT.
1	Dyna	25.85	FT.
	KELLY DOWN	32.39	FT.
	TOTAL	1125	FT.

WT. OF STRING 102 M LBS.

BIT RECORD

BIT NO.	RR.	J
SIZE		8 3/4
MFG.		H-W
TYPE		X16
NOZZLE NO.		3/14 X/15
NOZZLE SIZE		
SER. NO.		28096
DEPTH OUT		
DEPTH IN		1086
TOTAL FTG.		39
TOTAL HR. RUN		11 3/4
COND. OF BIT		RUN
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	6.00	8.00	11.00
WEIGHT	8.6	8.6	8.6
VISC.–SEC	30	30	30
W.L.–C.C.			
FLTR. CK			
PH	11.0	11.0	10.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER Ron & Robin

FOOTAGE

FROM	TO	DR–D RM–R CORE–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO.1 LINER SIZE	PUMP NO.1 S.P.M.	PUMP NO.2 LINER SIZE	PUMP NO.2 S.P.M.	METHOD RUN SGL.–S PAR'EL–P COM'D–C
11.00	1125	D										
				Bit	350		600	5½	73	5½		
					20			x		x		
								14		14		

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	11.00	3¾		1115'	3½°				

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4.00	4.15	¼	Survey @ 11.00
4.15	4.30	¼	Rig Ser. & BOP
4.30	8.45	4¼	T.C.S. Hole DRLG w/ Dyna Drill
8.45	9.00	¼	Survey @ 11.15'
9.00	12.00	3	TCS Hole DRLG w/ Dyna Drill

DAILY DRILLING REPORT

REPORT NO. 15 DATE ~~DEC 30~~

OPERATOR: Mobil Oil Canada Ltd
LEASE: Mobil Hume River L-09
WELL NO.: L-09
FIELD OR DIST.: Hume River
COUNTY: N.W.T
STATE:
CONTRACTOR: S & T DRILLING (WESTERN) CO. LTD.
RIG NO.: 1E
DRILL PIPE STRING: NO. 20, SIZE 4"
TOOL JOINT: 5" O.D.
TYPE THD.: 3½IF
SIGNATURE OF OPERATOR'S REPRESENTATIVE:
SIGNATURE OF CONTRACTOR'S TOOL PUSHER: L.H. Webber

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	N.S.C.O	K250	14
2.	N.S.C.O	K380	14
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9⅝		36# J55	21	774	13.00	750	Cemented w/465 SAX +2.5% CaCl2 To Surf.

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	6¼	2¼	7¼
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS		3¼	
LUBRICATE RIG	½		¼
DEVIATION SURVEY	1¼	1¼	½
TEST B.O.P.		1¼	
CUT OFF DRILLING LINE			
REPAIR RIG			
RIGGING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER		1¼	3½
FISHING			

COMPLETION WORK

A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK			
HRS. W/DP			
HRS. WO/DP			
HRS. STANDBY			
TOTAL DAY WORK			

WIRE LINE RECORD

REEL NO.	
NO. OF LINES	SIZE
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
6	STANDS D.P.	552.21	FT.
1	SINGLES D.P.	31.69	FT.
13	D.C. I.D. O.D.	390.82	FT.
	D.C. I.D. O.D.		FT.
	STB. BODY O.D.		FT.
2	STB. BODY O.D.	9.06	FT.
	RMR. BODY O.D.		FT.
	SUBS O.D.		FT.
	BIT OR C.B.		FT.
dyna drill		25.85	FT.
	KELLY DOWN	26.37	FT.
	TOTAL	1036.00	FT.
WT. OF STRING	62m		LBS.

BIT RECORD

BIT NO.	RR#3
SIZE	8¾
MFG.	H.W.
TYPE	X16
NOZZLE NO.	2/19
NOZZLE SIZE	1/15
SER. NO.	28128
DEPTH OUT	
DEPTH IN	975
TOTAL FTG.	61
TOTAL HR. RUN	18¾
COND. OF BIT	Run
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	1:00	3:00	6:00
WEIGHT	8.4	8.4	8.4
VISC.-SEC	28	28	28
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: L.H. Webber

FOOTAGE

FROM	TO	DR.D RM.R CORE.C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
1013	1036	D			20		650	5½	73			S
				Bit	350			X				
								14				

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	990	3½							

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	12:45	¾	T.C.S. hole drlg w/dyna drill
12:45	1:00	¼	Survey @ 990' 3½°
1:00	1:15	¼	Rig Service / BOPs
1:15	6:45	5½	T.C.S. hole drlg w/dyna drill
6:45	8:00	1¼	Work on Electrical ~~Equip~~ Equipment

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
6	STANDS D.P.	552.21	FT.
1	SINGLES D.P.	31.69	FT.
13	D.C. 6" I.D. O.D.	390.82	FT.
	D.C. I.D. O.D.		FT.
2	STB. BODY O.D.	9.06	FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
	SUBS O.D.		FT.
	BIT OR C.B.		FT.
dyna Drill		25.85	FT.
	KELLY DOWN	34.37	FT.
	TOTAL	1044.00	FT.
WT. OF STRING	62 M		LBS.

BIT RECORD

BIT NO.	RR#3
SIZE	8¾
MFG.	H.W.
TYPE	X16
NOZZLE NO.	1 2
NOZZLE SIZE	15 19
SER. NO.	28128
DEPTH OUT	
DEPTH IN	975
TOTAL FTG.	69'
TOTAL HR. RUN	21
COND. OF BIT	Run
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	9:00	12:00	3:00
WEIGHT	8.4	8.4	8.4
VISC.-SEC	28	28	28
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT. %			
PRESSURE GRADIENT			

WATER

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: D. J. Doyle

FOOTAGE

FROM	TO	DR.D RM.R CORE.C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
1026	1044	D			20		625	5½	73	5½		S
				Bit RPM	350			X		X		
								14		14		

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	1011	3¾°							

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	11:20	3½	WORK ON ELECTRICAL EQUIPMENT
11:20	11:45	¼	Rig Serv. / B.O.P's
11:45	12:00	¼	SURVEY @ 1011'
12:00	12:45	¾	HOIST TO / BIT
12:45	1:45	1	RUN IN W/SAME BIT + PUT RUBBERS ON PIPE
1:45	4:00	2¼	T.C.S. HOLE DRLG W/DYNA-DRILL

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
6	STANDS D.P.	552.21	FT.
2	SINGLES D.P.	62.38	FT.
13	D.C. 2 2/8 1.6" O.D.	390.82	FT.
	D.C. I.D. O.D.		FT.
2	STB. BODY O.D.	9.06	FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
	SUBS O.D.		FT.
	BIT OR C.B.		FT.
Dyna Drill		25.85	FT.
	KELLY DOWN	22"	FT.
	TOTAL	1062.00	FT.
WT. OF STRING	62 m.		LBS.

BIT RECORD

BIT NO.	RR= 3
SIZE	8¾
MFG.	H.W.
TYPE	X16
NOZZLE NO.	1/15 2/19
NOZZLE SIZE	
SER. NO.	28128
DEPTH OUT	
DEPTH IN	975
TOTAL FTG.	87'
TOTAL HR. RUN	28½
COND. OF BIT	Run
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME			
WEIGHT	8.4		8.4
VISC.-SEC	28		28
W.L.-C.C.			
FLTR. CK			
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
WATER			

DRILLER: Don + Reilly

FOOTAGE

FROM	TO	DR.D RM.R CORE.C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
1044'	1062.00	D			20	—	625	5½"	73	5½		
				B.T.	350			X		X		
								14		14		

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	1050'						1055	3 3/4	

TIME LOG

FROM	TO	ELAPSED TIME	SEQUENCE AND REMARKS
1:00	5:30		T.C.S. w/DYNA DRILL
5:30	5:45		~~1~~ 50
5:45	6:00		
6:00	8:45		T.C.S. w/ DYNA DRILL
8:45	9:00		1055
9:00	12:00	3	T.C.S. hole DRLG w/ DYNA DRILL

DAILY DRILLING REPORT

REPORT NO. 14 DATE Dec 29

OPERATOR: Mobil Oil Canada Ltd

LEASE: Mobil Home Rivers L-09

WELL NO. L-09 | FIELD OR DIST. Home Rivers | COUNTY N.W.T | STATE

CONTRACTOR: S & T DRILLING (WESTERN) CO. LTD. | RIG NO. 1E

DRILL PIPE STRING NO. 2 SIZE 4 | TOOL JOINT O.D. 5" | TYPE THD. 3½IF

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: R. A. Wilson

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NSCO	K380	14
2.			
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9⅝		36# J55	21	774	12.00	750	Cemented w/465 sacks +2.5% Calcl2 to Surf

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL		5	7½
~~REAMING~~ Dynamming	7	2¼	
CONDITIONING MUD & CIRCULATING			
TRIPS	¾		
LUBRICATE RIG	¼	¼	¼
DEVIATION SURVEY		½	¼
TEST B.O.P.			
CUT OFF DRILLING LINE			
[illegible] RIG			
[illegible]RING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK	
HRS. W/DP	
HRS. WO/DP	
HRS. STANDBY	
TOTAL DAY WORK	

WIRE LINE RECORD

REEL NO.	
NO. OF LINES	SIZE
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
5	STANDS D.P.	520.47 FT.
2	SINGLES D.P.	FT.
13	D.C. 2⅞ I.D. 6" O.D.	390.82 FT.
	D.C. I.D. O.D.	FT.
2	STB. BODY O.D.	9.06 FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
Dynadrill		25.85 FT.
	KELLY DOWN	27.80 FT.
	TOTAL	975.00 FT.

WT. OF STRING 60m LBS.

BIT RECORD

BIT NO.	RR#3
SIZE	8¾
MFG.	HW
TYPE	X1G
NOZZLE NO.	2/19
NOZZLE SIZE	1/15
SER. NO.	28128
DEPTH OUT	
DEPTH IN	975
TOTAL FTG.	
TOTAL HR. RUN	7
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	2:00	4:00	6:00
WEIGHT	8.4	8.4	8.4
VISC.-SEC	28	28	28
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: D. Thomas

FOOTAGE

FROM	TO	DR.D RM.R CORE.C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
975					20	/	550	5½	73			5
				Bit Rpm 350		/		X				
								14				

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	12:15	¼	Rig Service ; ✓ Blind Rams
12:15	1:00	¾	Run in picking up Spiral Stabilizers
1:00	8:00	7	Dynamming w/Dynadrill from 968' Stabilizers @ 56' 386' from bit

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
6	STANDS D.P.	552.21 FT.
	SINGLES D.P.	FT.
13	D.C. 2⅞ I.D. O.D.	390.82 FT.
	D.C. I.D. O.D.	FT.
2	STB. BODY O.D.	9.06 FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
Dyna-Drill		25.85 FT.
	KELLY DOWN	12.06 FT.
	TOTAL	990.00 FT.

WT. OF STRING 61M LBS.

BIT RECORD

BIT NO.	RR#3
SIZE	8¾
MFG.	H.W.
TYPE	X1G
NOZZLE NO.	1 2
NOZZLE SIZE	15 19
SER. NO.	28128
DEPTH OUT	
DEPTH IN	975
TOTAL FTG.	15
TOTAL HR. RUN	5
COND. OF BIT	RUN
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	10:00	12:00	2:00
WEIGHT	8.4	8.4	8.4
VISC.-SEC	28	28	28
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: D. J. Doyle

FOOTAGE

FROM	TO	DR-D RIL-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
975	990	D			20		1,50	5½	73	5½		5
				Bit RPM 350				X		X		
								14°		14		

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	945	2½°		956	3¾°				

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	8:15	¼	Rig SERV. ✓ B.O.P.
8:15	10:30	2¼	Fanning w/ DYNA-DRILL FROM 960' TO 975
10:30	10:45	¼	SURVEY @ 945'
10:45	2:15	3½	T.C.S. HOLE DRLG. W/ DYNA-DRILL
2:15	2:30	¼	SURVEY @ 956'
2:30	4:00	1½	T.C.S. HOLE DRLG. W/ DYNA-DRILL

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
6	STANDS D.P.	552.21 FT.
	SINGLES D.P.	FT.
13	D.C. 2⅞ I.D. 6" O.D.	390.82 FT.
	D.C. I.D. O.D.	FT.
	STB. BODY O.D.	FT.
2	STB. BODY O.D.	9.06 FT.
	RMR. BODY O.D.	FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
Dynadrill		25.85 FT.
	KELLY DOWN	35.06 FT.
	TOTAL	1013.00 FT.

WT. OF STRING 61m LBS.

BIT RECORD

BIT NO.	RR#3
SIZE	8¾
MFG.	H.W.
TYPE	X1G
NOZZLE NO.	1 2
NOZZLE SIZE	15 19
SER. NO.	28128
DEPTH OUT	975
DEPTH IN	975
TOTAL FTG.	38'
TOTAL HR. RUN	12½
COND. OF BIT	Run
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	6:00	8:00	10:00
WEIGHT	8.4	8.4	8.4
VISC.-SEC	28	28	28
W.L.-C.C.			
FLTR. CK			
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: Tom & Dave

FOOTAGE

FROM	TO	DR-D RIL-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
990	1013	D			20	—	650	5½	73	5½		5
				Bit RPM 350				X		X		
								14		14		

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	971	3¾							

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	4:15	¼	Rig SERV. ✓ B.O.P.S
4:15	7:45	3½	T.C.S. HOLE DRLG. W/DYNA-DRILL
7:45	8:00	¼	SURVEY @ 971' 3¾
8:00	12:00	4	T.C.S. HOLE DRLG. W/DYNA-DRILL

DAILY DRILLING REPORT

REPORT NO. 13 DATE Dec 29/70

OPERATOR: Mobil Oil Canada Ltd
LEASE: Mobil Flume River L-09
WELL NO.: L-09
FIELD OR DIST.: Flume River
COUNTY: N.W.T
STATE:
CONTRACTOR: S & T DRILLING (WESTERN) CO. LTD.
RIG NO.: 1E
DRILL PIPE STRING: NO. 2 SIZE 4
TOOL JOINT: 5" O.D. TYPE THD 3½IF

SIGNATURE OF OPERATOR'S REPRESENTATIVE:
SIGNATURE OF CONTRACTOR'S TOOL PUSHER: R.H. Webber

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	N.S.C.O	K380	14
2.	N.S.C.O		
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9⅝		36 J55	21	774	12.00	750	Cemented w/465 sax + 2.5% Gel to Surf

TIME DISTRIBUTION–HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	5½	1	
REAMING		4½	6½
CONDITIONING MUD & CIRCULATING			
TRIPS	1½	1½	3¼
LUBRICATE RIG	¼	¼	¼
DEVIATION SURVEY	½	¼	½
TEST B.O.P.	¼		
CUT OFF DRILLING LINE			
REPAIR RIG			
SLIPPING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER		½	
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK			
HRS. W/DP			
HRS. WO/DP			
HRS. STANDBY			
TOTAL DAY WORK			

WIRE LINE RECORD

REEL NO.	
NO. OF LINES	SIZE
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
5	STANDS D.P.	461	FT.
2	SINGLES D.P.	520	FT.
	D.C.		
13	7¾ I.D. 6" O.D.	390.82	FT.
	D.C. I.D. O.D.		FT.
	STB. BODY O.D.		FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
	SUBS Dyna Drill corp	25.85	FT.
	BIT OR C.B.		FT.
3	Stabs	11.06	FT.
	KELLY DOWN	12.80	FT.
	TOTAL	961.00	FT.
WT. OF STRING	60M		LBS.

BIT RECORD

BIT NO.	3	RR#2	
SIZE	8¾	8 27/32	
MFG.	HW	Chris	
TYPE	X1G	O	
NOZZLE NO.	1/5		
NOZZLE SIZE	7/16		
SER. NO.	25128	R12108	
DEPTH OUT	956		
DEPTH IN	890	956	
TOTAL FTG.	66	5	
TOTAL HR. RUN	10¾	1½	
COND. OF BIT	2-1-1	Rec	
REAMER NO.			
REAMER TYPE			

MUD RECORD

TIME	12:00	4:00	7:00
WEIGHT	8.4	"	"
VISC.-SEC	28	"	"
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: L. Hamilton

FOOTAGE

FROM	TO	DR–D RM–R CORE–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO.1 LINER SIZE	PUMP NO.1 S.P.M.	PUMP NO.2 LINER SIZE	PUMP NO.2 S.P.M.	METHOD RUN SGL–S PAR'EL–P COMP'D–C
930	961	D		Silt	20		550	5½	73	5½		5
				Run	350			X		X		
						2	625	14	73	14		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
915'	3½		929	3½				

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
6:00	8:00	1½	Control Straight Hole drlg w/Dyna Drill
12:00	12:15	¼	Rig Service ✓ BOP's
12:15	3:15	3	Cont Controlled Straight Hole drlg w/Dyna Drill
3:15	3:30	¼	Survey @ 915' - 3½°
3:30	4:30	1	T.F.C. & Hole drlg w/Dyna Drill
4:30	4:45	¼	Survey @ 929 - 3½°
4:45	5:30	¾	Haul bit #3; pick up Chris Stab.
5:30	5:45	¼	✓ Rig; Strap in; 6 bit
5:45	6:30	¾	Run 2 NM DC bit #3 Chris 7" Stab

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
5	STANDS D.P.	420.47	FT.
2	SINGLES D.P.		FT.
	D.C.		
13	6" I.D. O.D.	390.82	FT.
	D.C. I.D. O.D.		FT.
1	STB. BODY O.D.	11.06	FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
	SUBS O.D.		FT.
	BIT OR C.B.		FT.
	Dyna Drill Corp	25.85	FT.
	KELLY DOWN	26.80	FT.
	TOTAL	975.00	FT.
WT. OF STRING	60M		LBS.

BIT RECORD

BIT NO.	RR#2	RR#3	
SIZE	7 22/32	9⅞	
MFG.	Chris	H.W.	
TYPE	◇	X1G	
NOZZLE NO.		1	2
NOZZLE SIZE		15	19
SER. NO.	#12708	28096	
DEPTH OUT	975		
DEPTH IN	956	956	
TOTAL FTG.	19	19	
TOTAL HR. RUN	2½	4½	
COND. OF BIT	3-0-0		
REAMER NO.			
REAMER TYPE			

MUD RECORD

TIME	8:00	12:00	2:00
WEIGHT	8.4	8.4	8.4
VISC.-SEC	28	28	28
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: D. J. Doyle

FOOTAGE

FROM	TO	DR–D RM–R CORE–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO.1 LINER SIZE	PUMP NO.1 S.P.M.	PUMP NO.2 LINER SIZE	PUMP NO.2 S.P.M.	METHOD RUN SGL–S PAR'EL–P COMP'D–C
961	975	D			20	5	825	5½	73	5½		5
956	975	R		Bit RPM	250			X		X		
								14		14		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
945'	4½°							

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	8:15	¼	Rig SERV. ✓ B.O.P's + KELLY COCK
8:15	9:15	1	T.C.S. HOLE DRLg. W/ DYNA-DRILL
9:15	9:30	¼	SURVEY @ 945' 4½°
9:30	10:00	½	W.O.O.
10:00	10:45	¾	HAUL TO CHANGE BITS
10:45	11:30	¾	RUN IN W/ BIT #2 RR#3
11:30	4:00	4½	FAN HOLE FROM 956' TO 975'

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
5	STANDS D.P.	457	FT.
2	SINGLES D.P.	520	FT.
	D.C.		
13	I.D. O.D.	390.82	FT.
	D.C. I.D. O.D.		FT.
	STB. BODY O.D.		FT.
2	STB. BODY O.D.	9.51	FT.
	RMR. BODY O.D.		FT.
	SUBS O.D.		FT.
	BIT OR C.B.		FT.
	Dyna Drill	25.85	FT.
	KELLY DOWN	27.35	FT.
	TOTAL	975.00	FT.
WT. OF STRING	60M		LBS.

BIT RECORD

BIT NO.	RR#3		
SIZE	8¾		
MFG.	H.W.		
TYPE	X1G		
NOZZLE NO.			
NOZZLE SIZE			
SER. NO.	28096		
DEPTH OUT			
DEPTH IN	956		
TOTAL FTG.			
TOTAL HR. RUN			
COND. OF BIT			
REAMER NO.			
REAMER TYPE			

MUD RECORD

TIME	4:00	7:00	10:00
WEIGHT	8.4	"	"
VISC.-SEC	28	"	"
W.L.-C.C.			
FLTR. CK			
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: Lon & Gary

FOOTAGE

FROM	TO	DR–D RM–R CORE–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO.1 LINER SIZE	PUMP NO.1 S.P.M.	PUMP NO.2 LINER SIZE	PUMP NO.2 S.P.M.	METHOD RUN SGL–S PAR'EL–P COMP'D–C
962	975	R			20			5½		5½		5
				Bit RPM	250			X		X		
								17		14		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
945	5¾°		945	¾				

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	4:15	¼	Rig SERV. ✓ B.O.P's
4:15	6:15	2	FAN HOLE FROM 962' TO 975'
6:15	6:30	¼	SURVEY @ 945'
6:30	11:00	4½	FAN HOLE FROM 956' - 975
11:00	11:15	¼	Survey @ 995 3¾
11:15	12:00	¾	Haul - drop Chris Stab

DAILY DRILLING REPORT

REPORT NO. 12 DATE Dec 29/70

OPERATOR: Mobil Oil Canada Ltd
LEASE: Mobil Hume River L-09
WELL NO.: L-09
FIELD OR DIST.: Hume River
COUNTY: N.W.T
STATE:

CONTRACTOR: S & T DRILLING (WESTERN) CO. LTD.
RIG NO.: 1E
DRILL PIPE STRING: NO. 2, SIZE 4" — TOOL JOINT 5" O.D. — TYPE THD. 3½ IF

SIGNATURE OF OPERATOR'S REPRESENTATIVE:
SIGNATURE OF CONTRACTOR'S TOOL PUSHER: L.H. Webber

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NSCO	K380	14"
2.			
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9⅝		36# J55	21	774	12.00	750	Cemented w/465 sax + 2.5% CaCl2 to Surf.

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	7¼	6¼	6¾
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS		1	½
LUBRICATE RIG	¼	¼	¼
DEVIATION SURVEY	½	½	½
TEST B.O.P.			
CUT OFF DRILLING LINE			
[illegible] RIG			
[illegible] RING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK
HRS. W/DP
HRS. WO/DP
HRS. STANDBY
TOTAL DAY WORK

WIRE LINE RECORD

REEL NO.
NO. OF LINES — SIZE
FEET SLIPPED
FEET CUT OFF
PRESENT LENGTH
TON MI. OR TRIPS SINCE LAST CUT
CUMULATIVE TON MI. OR TRIPS
NO. OF DAYS FROM SPUD
CUMULATIVE ROTATING HRS.

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
4	STANDS D.P.	368.11 FT.
1	SINGLES D.P.	31.68 FT.
13	D.C. I.D. O.D.	390.82 FT.
	D.C. I.D. O.D.	FT.
	STB. BODY O.D.	FT.
	STB. BODY O.D.	FT.
1	RMR. Stab BODY O.D.	4.71 FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
Dyna Drill assy		25.85 FT.
	KELLY DOWN	37.63 FT.
	TOTAL	858.00 FT.
WT. OF STRING	58m	LBS.

BIT RECORD

BIT NO.	2
SIZE	8 23/32
MFG.	Chris
TYPE	4
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	EG120018
DEPTH OUT	
DEPTH IN	800
TOTAL FTG.	58
TOTAL HR. RUN	9¼
COND. OF BIT	Dull
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	12⁰⁰	4⁰⁰	6⁰⁰
WEIGHT	8.4	8.4	8.4
VISC.-SEC	28	28	28
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: B.T. Simms

FOOTAGE

FROM	TO	DR.-D RM.-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SCL-S PAR'EL-P COM'D-C
815	858	D			20		525	5½	73			
				B.T Rpm	350			x				
								14				

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12⁰⁰	12¹⁵	¼	Rig Service & BOPs
12¹⁵	2¹⁵	2	Time Controlled Straight hole drlg w/ Dyna drill
2¹⁵	2³⁰	¼	Survey @ 804' 3°
2³⁰	5¹⁵	2¾	Time Controlled Straight hole drlg w/ D. Drill
5¹⁵	5²⁰	¼	Survey @ 815' - 2¾°
5²⁰	8⁰⁰	2½	Time Controlled Straight hole drlg w/ Dyna drill

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
4	STANDS D.P.	368.11 FT.
2	SINGLES D.P.	62.47 FT.
13	D.C. 6¼ I.D. 2¾ O.D.	390.82 FT.
	D.C. I.D. O.D.	FT.
	STB. BODY O.D.	FT.
	STB. BODY O.D.	FT.
1	RMR. BODY O.D.	4.71 FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
Dyna Drill assy		25.85 FT.
	KELLY DOWN	34.24 FT.
	TOTAL	890.00 FT.
WT. OF STRING	58m	LBS.

BIT RECORD

BIT NO.	2	3
SIZE	8 23/32	
MFG.	Chris	
TYPE	4	
NOZZLE NO.		
NOZZLE SIZE		
SER. NO.	EG120018	
DEPTH OUT	890	
DEPTH IN	800	
TOTAL FTG.	90	
TOTAL HR. RUN	15½	
COND. OF BIT	Good	
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	8.00	12:00	2:00
WEIGHT	8.4	8.4	8.4
VISC.-SEC	28	28	28
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: D. J. Doyle

FOOTAGE

FROM	TO	DR.-D RM.-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SCL-S PAR'EL-P COM'D-C
858	890	D			20		525	5½	73	5½		5
				Bit Rpm	350			x		x		
								14		14		

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	890	3½°		845	3¾°				

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:10	8:15	¼	Rig Serv. + ✓ B.O.P's Kelly Cock
8:15	8:30	¼	Survey @ 880
8:30	12:45	4¼	Time Controlled Straight Hole Drlg. w/ Dyna-Drill
12:45	1:00	¼	Survey @ 845
1:00	3:00	2	Time Controlled Straight Hole Drlg. w/ Dyna-Drill
3:00	4:00	1	Hoist to change bits & pick up Stabilizer

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
5	STANDS D.P.	490.92 FT.
1	SINGLES D.P.	31.68 FT.
13	D.C. 6¼ I.D. 2¾ O.D.	390.82 FT.
	D.C. I.D. O.D.	FT.
2	STB. BODY O.D.	9.50 FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
	SUBS O.D.	FT.
Dyna Drill assy		25.85 FT.
	BIT OR C.B.	FT.
		FT.
	KELLY DOWN	19.90 FT.
	TOTAL	930.00 FT.
WT. OF STRING	59m	LBS.

BIT RECORD

BIT NO.	3
SIZE	8 ¾
MFG.	H. W.
TYPE	X1G
NOZZLE NO.	1 2
NOZZLE SIZE	15 19
SER. NO.	28129
DEPTH OUT	
DEPTH IN	890
TOTAL FTG.	40
TOTAL HR. RUN	6¾
COND. OF BIT	Run
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	6⁰⁰	8⁰⁰	10⁰⁰
WEIGHT	8.4	✓	✓
VISC.-SEC	28	✓	✓
W.L.-C.C.			
FLTR. CK			
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: Don Darcy

FOOTAGE

FROM	TO	DR.-D RM.-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SCL-S PAR'EL-P COM'D-C
890	930	D			20		550	5½	73			5
				Bit Rpm	350			x				
								14				

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	875	3½		894	3¾				

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	4:30	½	Run in hole w/ Bit #3 on Dyna-Drill
4:30	4:45	¼	Rig Serv. ✓ B.O.P's
4:45	7:45	3	Time Controlled Straight Hole Drlg. w/ Dyna-Drill
7:45	8:00	¼	Survey @ 875' 3½
8:00	11⁰⁰	3	Time Controlled Straight Hole Drlg. w/ Dyna-Drill
11⁰⁰	11¹⁵	¼	Survey @ 894 3¾
11¹⁵	12⁰⁰	¾	Trip - Cont. Straight hole Drlg w/ D-D

DAILY DRILLING REPORT

REPORT NO. 11 DATE Oct 15/70

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
Mobil Oil Canada Ltd	Mobil Hume Pipe L-09	L-09	Hume Pipe	N.W.T.	

CONTRACTOR	RIG NO.	DRILL PIPE STRING NO.	DRILL PIPE STRING SIZE	TOOL JOINT O.D.	TYPE THD.
S & T DRILLING (WESTERN) CO. LTD.	1E	2	4"	5"	3½IF

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: J B Galeza

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NSCO	K380	14
2.			
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9⅝		36# J55	21	774	12.00	750	Cemented w/460 Sax +2.5% CaCl2 to Surf.

TIME DISTRIBUTION–HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL			2
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS		1¼	¾
LUBRICATE RIG			¼
DEVIATION SURVEY		¼	
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
Misc. Running Hole			3¼
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT	8	4	
DRILL STEM TEST			
OTHER		2½	1¾
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK	
HRS. W/DP	
HRS. WO/DP	
HRS. STANDBY	
TOTAL DAY WORK	

WIRE LINE RECORD

REEL NO.	
NO. OF LINES	SIZE
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	
	STANDS D.P.	FT.
	SINGLES D.P.	FT.
	D.C. I.D. O.D.	FT.
	D.C. I.D. O.D.	FT.
	STB. BODY O.D.	FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
		FT.
	KELLY DOWN	FT.
	TOTAL	FT.
WT. OF STRING		LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HR. RUN	
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	
WEIGHT	
VISC.–SEC	
W.L.–C.C.	
FLTR. CK.	
PH	
SD. CONT. %	
PRESSURE GRADIENT	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: B Clemius

FOOTAGE

FROM	TO	DR–D RM–R CORE–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL–S PAR'EL–P COM'D–C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12 00	8 00	8	W.O.C.

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	
	STANDS D.P.	FT.
	SINGLES D.P.	FT.
	D.C. I.D. O.D.	FT.
	D.C. I.D. O.D.	FT.
	STB. BODY O.D.	FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
		FT.
	KELLY DOWN	FT.
	TOTAL	FT.
WT. OF STRING		LBS.

BIT RECORD

BIT NO.	RR1A
SIZE	8¾
MFG.	H.W.
TYPE	X1G
NOZZLE NO.	3
NOZZLE SIZE	12
SER. NO.	28096
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HR. RUN	
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	
WEIGHT	
VISC.–SEC	
W.L.–C.C.	
FLTR. CK.	
PH	
SD. CONT. %	
PRESSURE GRADIENT	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: D. J. Doyle

FOOTAGE

FROM	TO	DR–D RM–R CORE–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL–S PAR'EL–P COM'D–C
							1050	5½	67	5½		S
								X		X		
								14		14		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
800'	¾°							

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	12:00	4	W.O.C.
12:00	12:45	¾	RUN IN + TAG PLUG @ 801' STRAP IN HOLE
12:45	1:00	¼	SURVEY @ 800' ¾°
1:00	1:30	½	HOIST TO PICK UP DYNA-DRILL
1:30	4:00	2½	PICK UP + MAKE UP DYNA-DRILL

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	
4	STANDS D.P.	368.11 FT.
	SINGLES D.P.	FT.
12	D.C. 6" I.D. 2¼ O.D.	390.82 FT.
	D.C. I.D. O.D.	FT.
	STB. BODY O.D.	FT.
	STB. BODY O.D.	FT.
	RMR. Stb. BODY O.D.	4.91 FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
Dyna Drill		26.85 FT.
	KELLY DOWN	26.31 FT.
	TOTAL	815.00 FT.
WT. OF STRING	58m	LBS.

BIT RECORD

BIT NO.	2
SIZE	8 23/32
MFG.	CHRIS
TYPE	◇
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	EC2788
DEPTH OUT	
DEPTH IN	800'
TOTAL FTG.	15'
TOTAL HR. RUN	2
COND. OF BIT	Run
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	
WEIGHT	
VISC.–SEC	
W.L.–C.C.	
FLTR. CK	
PH	
SD. CONT. %	
PRESSURE GRADIENT	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: Don J Gray

FOOTAGE

FROM	TO	DR–D RM–R CORE–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL–S PAR'EL–P COM'D–C
800	815	D										
				B.T Rpm	350	0	500	5½	73			
				Table Rpm	20			X				
								14				

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	D.V.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	4:15	¼	Rig SERV.
4:15	6:00	1¾	FINISH MAKING UP DYNA-DRILL
6:00	6:45	¾	RUN IN SLOWLY W/ DYNA-DRILL
6:45	12 00	3¼	DRLG. W/ DYNA-DRILL (Taking Pole-760-800')
12 00	12 00	2	Done controlled straight hole duly w/dyna drill
			off cement plug

DAILY DRILLING REPORT

REPORT NO. 10 DATE Dec 25/90

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
Mobil Oil Canada Ltd	Mobil Hume River L.09	L-09	Hume River	N.W.T	

CONTRACTOR	RIG NO.	DRILL PIPE STRING NO.	DRILL PIPE STRING SIZE	TOOL JOINT O.D.	TYPE THD.
S & T DRILLING (WESTERN) CO. LTD.	1E	2.	4	5"	3½IF

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: A.B. Helenga

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NSCO	K350	14"
2.			
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9⅝		36# J55	21	774	12.00	750	Cemented w/460 SKS 2.5% CaCl2 to Surf.

TIME DISTRIBUTION–HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	½		
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS		2½	
LUBRICATE RIG	¼	¼	
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
FISHING			
WIRE LINE LOGGING			
~~RUNNING CASING~~ & CEMENTING		1¾	
WAITING ON CEMENT		3½	4
DRILL STEM TEST			
OTHER	7¼		
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	4	8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK			
HRS. W/DP			
HRS. WO/DP			
HRS. STANDBY			
TOTAL DAY WORK			

WIRE LINE RECORD

REEL NO.

NO. OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		FT.
	STANDS D.P.	
	SINGLES D.P.	
	D.C. I.D. O.D.	
	D.C. I.D. O.D.	
	STB. BODY O.D.	
	STB. BODY O.D.	
	RMR. BODY O.D.	
	SUBS O.D.	
	BIT OR C.B.	
	KELLY DOWN	
	TOTAL	
WT. OF STRING		LBS.

BIT RECORD

BIT NO.	1
SIZE	8¾
MFG.	H.W
TYPE	X1C
NOZZLE NO.	2/11
NOZZLE SIZE	1/10
SER. NO.	28096
DEPTH OUT	
DEPTH IN	750
TOTAL FTG.	6'
TOTAL HR. RUN	½
COND. OF BIT	Run
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	2:00
WEIGHT	8.4
VISC.-SEC	28
W.L.-C.C.	
FLTR. CK.	
PH	
SD. CONT. %	
PRESSURE GRADIENT	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: B.T. Clemens

FOOTAGE

FROM	TO	DR.D RM.R CORE.C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
750	756	D		RKB to Csg head - 12.00'	100	3	1000	5½ x 14"	69	5½ x 14"		S

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	12:15	¼	Rig Service + BOP's
12:15	2:45	2½	Filgaut-Plug, float Collar + Shoe
2:45	3:15	½	Drill 6' 8¾ hole
3:15	6:15	3	Plug would'nt take weight - Clean out Sand to 1091
6:15	6:45	½	Circ tanks + Displace hole to fresh water
6:45	8:00	1¼	W.O.C. Merry Christmas

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		FT.
	STANDS D.P.	
	SINGLES D.P.	
	D.C. I.D. O.D.	
	D.C. I.D. O.D.	
	STB. BODY O.D.	
	STB. BODY O.D.	
	RMR. BODY O.D.	
	SUBS O.D.	
	BIT OR C.B.	
	KELLY DOWN	
	TOTAL	
WT. OF STRING		LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HR. RUN	
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	
WEIGHT	
VISC.-SEC	
W.L.-C.C.	
FLTR. CK.	
PH	
SD. CONT. %	
PRESSURE GRADIENT	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER

FOOTAGE

FROM	TO	DR.D RM.R CORE.C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
	Plug #2			150 SKS CEMENT @	110		CA	Cl2.				
	1091 - 750			DISPLACED W/ 5 BBLS								

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	8:15	¼	Rig Serv. + BOP's + Kelly Cock
8:15			Hoist Bit #1 + Run in w/ Drill Pipe to run Cement
	10:45	2½	Plug in 8¾ Hole Strap Pipe in
10:45	12:30	1¾	Rig To + Run Cement Plug from 1091 to 750' Plug down @ 12:30 PM. Dec 25/90
12:30	4:00	3½	W.O.C. Merry Christmas

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		FT.
	STANDS D.P.	
	SINGLES D.P.	
	D.C. I.D. O.D.	
	D.C. I.D. O.D.	
	STB. BODY O.D.	
	STB. BODY O.D.	
	RMR. BODY O.D.	
	SUBS O.D.	
	BIT OR C.B.	
	KELLY DOWN	
	TOTAL	
WT. OF STRING		LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HR. RUN	
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	
WEIGHT	
VISC.-SEC	
W.L.-C.C.	
FLTR. CK	
PH	
SD. CONT. %	
PRESSURE GRADIENT	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER Dan ?

FOOTAGE

FROM	TO	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00			W.O.C.

DAILY DRILLING REPORT

REPORT NO. 9 DATE Dec 24/90

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
Mobil Oil Canada Ltd	Mobil Hume River L-09	L-09	Hume River	N.WT	

CONTRACTOR	RIG NO.	DRILL PIPE STRING NO.	DRILL PIPE STRING SIZE	TOOL JOINT O.D.	TYPE THD.
S & T DRILLING (WESTERN) CO. LTD.	1E	2	4		3½IF

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
	R Belanger

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NSCO	K380	14
2.			
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9⅝		36# J55	21	774		750	Cemented W/460 SAX T 25% Cacl2 to Surface

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL			
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			½
LUBRICATE RIG			
DEVIATION SURVEY			
TEST B.O.P.			1¼
CUT OFF DRILLING LINE			
REPAIR RIG			
SLIPPING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER	8	8	6¼
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK			
HRS. W/DP			
HRS. WO/DP			
HRS. STANDBY			
TOTAL DAY WORK			

WIRE LINE RECORD

REEL NO.	
NO. OF LINES	SIZE
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD	
	STANDS D.P.	FT.	BIT NO.		TIME	
	SINGLES D.P.	FT.	SIZE		WEIGHT	
	D.C. I.D. O.D.	FT.	MFG.		VISC.–SEC	
	D.C. I.D. O.D.	FT.	TYPE		W.L.–C.C.	
	STB. BODY O.D.	FT.	NOZZLE NO.		FLTR. CK.	
	STB. BODY O.D.	FT.	NOZZLE SIZE		PH	
	RMR. BODY O.D.	FT.	SER. NO.		SD. CONT. %	
	SUBS O.D.	FT.	DEPTH OUT		PRESSURE GRADIENT	
	BIT OR C.B.	FT.	DEPTH IN		MUD & CHEMICALS ADDED	
		FT.	TOTAL FTG.		TYPE / AMT. / TYPE / AMT.	
	KELLY DOWN	FT.	TOTAL HR. RUN			
	TOTAL	FT.	COND. OF BIT			
WT. OF STRING		LBS.	REAMER NO.		DRILLER R Belanger	
			REAMER TYPE			

FOOTAGE FROM	TO	DR–D RM–R CORE–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL–S PAR'EL–P COM'D–C

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12⁰⁰	8⁰⁰	8	Held on Rig Inspection Stand up B.O.P's

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD	
	STANDS D.P.	FT.	BIT NO.		TIME	
	SINGLES D.P.	FT.	SIZE		WEIGHT	
	D.C. I.D. O.D.	FT.	MFG.		VISC.–SEC	
	D.C. I.D. O.D.	FT.	TYPE		W.L.–C.C.	
	STB. BODY O.D.	FT.	NOZZLE NO.		FLTR. CK.	
	STB. BODY O.D.	FT.	NOZZLE SIZE		PH	
	RMR. BODY O.D.	FT.	SER. NO.		SD. CONT. %	
	SUBS O.D.	FT.	DEPTH OUT		PRESSURE GRADIENT	
	BIT OR C.B.	FT.	DEPTH IN		MUD & CHEMICALS ADDED	
		FT.	TOTAL FTG.		TYPE / AMT. / TYPE / AMT.	
	KELLY DOWN	FT.	TOTAL HR. RUN			
	TOTAL	FT.	COND. OF BIT			
WT. OF STRING		LBS.	REAMER NO.		DRILLER D. J. Doyle	
			REAMER TYPE			

FOOTAGE FROM	TO	DR–D RM–R CORE–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL–S PAR'EL–P COM'D–C

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	4:00	8	FINISH HEAD UP B.O.P's & FLARE LINE
			CHANGE BRAKE BLOCKS ON ROTARY SIDE

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD	
	STANDS D.P.	FT.	BIT NO.		TIME	
	SINGLES D.P.	FT.	SIZE		WEIGHT	
	D.C. I.D. O.D.	FT.	MFG.		VISC.–SEC	
	D.C. I.D. O.D.	FT.	TYPE		W.L.–C.C.	
	STB. BODY O.D.	FT.	NOZZLE NO.		FLTR. CK	
	STB. BODY O.D.	FT.	NOZZLE SIZE		PH	
	RMR. BODY O.D.	FT.	SER. NO.		SD. CONT. %	
	SUBS O.D.	FT.	DEPTH OUT		PRESSURE GRADIENT	
	BIT OR C.B.	FT.	DEPTH IN		MUD & CHEMICALS ADDED	
		FT.	TOTAL FTG.		TYPE / AMT. / TYPE / AMT.	
	KELLY DOWN	FT.	TOTAL HR. RUN			
	TOTAL	FT.	COND. OF BIT			
WT. OF STRING		LBS.	REAMER NO.		DRILLER Don & Dan	
			REAMER TYPE			

FOOTAGE FROM	TO	DR–D RM–R CORE–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL–S PAR'EL–P COM'D–C

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	4³⁰	½	Pressure test B.O.P's 1500# P.S.I. Blind Rams held O.K.
4³⁰	10⁴⁵	6¼	Drill mouse hole
10⁴⁵	11¹⁵	½	Run 2nd Wear Bushing
11¹⁵	12⁰⁰	¾	Pressure up Hydril 1500 PSI Held OK
			Press 4" pipe Rams to 1500 PSI held OK
			Motors Shut off O.K.

DAILY DRILLING REPORT

REPORT NO. 8 DATE Dec 23/70

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
Mobil Oil Canada Ltd	Mobil Home Rivers L-09	L-09	Home Rivers	N.W.T	

CONTRACTOR: S & T DRILLING (WESTERN) CO. LTD. — RIG NO.

DRILL PIPE STRING: NO. — SIZE — TYPE THD. — TOOL JOINT O.D.

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: A B Galenza

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	N.S.C.O	K380	14
2.	N.S.C.O	K380	14
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9⅝		36 J55	21	774		780'	Cemented to Surf. w/460 sax + 25 Bentonite

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL			
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG			
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
FISHING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT		8	
DRILL STEM TEST			
OTHER			
FISHING			

COMPLETION WORK

A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS		8	

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK			
HRS. W/DP			
HRS. WO/DP			
HRS. STANDBY			
TOTAL DAY WORK			

WIRE LINE RECORD

REEL NO.

NO. OF LINES — SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD	
	STANDS D.P.	FT.	BIT NO.		TIME	
	SINGLES D.P.	FT.	SIZE		WEIGHT	
	D.C. I.D. O.D.	FT.	MFG.		VISC.-SEC	
	D.C. I.D. O.D.	FT.	TYPE		W.L.-C.C.	
	STB. BODY O.D.	FT.	NOZZLE NO.		FL.TR. CK.	
	STB. BODY O.D.	FT.	NOZZLE SIZE		PH	
	RMR. BODY O.D.	FT.	SER. NO.		SD. CONT. %	
	SUBS O.D.	FT.	DEPTH OUT		PRESSURE GRADIENT	
	BIT OR C.B.	FT.	DEPTH IN		MUD & CHEMICALS ADDED	
		FT.	TOTAL FTG.		TYPE / AMT. / TYPE / AMT.	
	KELLY DOWN	FT.	TOTAL HR. RUN			
	TOTAL	FT.	COND. OF BIT			
WT. OF STRING		LBS.	REAMER NO.			
			REAMER TYPE		DRILLER A B Galenza	

FOOTAGE FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12⁰⁰	8⁰⁰	8	W.O.C

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD	
	STANDS D.P.	FT.	BIT NO.		TIME	
	SINGLES D.P.	FT.	SIZE		WEIGHT	
	D.C. I.D. O.D.	FT.	MFG.		VISC.-SEC	
	D.C. I.D. O.D.	FT.	TYPE		W.L.-C.C.	
	STB. BODY O.D.	FT.	NOZZLE NO.		FL.TR. CK.	
	STB. BODY O.D.	FT.	NOZZLE SIZE		PH	
	RMR. BODY O.D.	FT.	SER. NO.		SD. CONT. %	
	SUBS O.D.	FT.	DEPTH OUT		PRESSURE GRADIENT	
	BIT OR C.B.	FT.	DEPTH IN		MUD & CHEMICALS ADDED	
		FT.	TOTAL FTG.		TYPE / AMT. / TYPE / AMT.	
	KELLY DOWN	FT.	TOTAL HR. RUN			
	TOTAL	FT.	COND. OF BIT			
WT. OF STRING		LBS.	REAMER NO.			
			REAMER TYPE		DRILLER D. J Doyle	

FOOTAGE FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	4:00	8	W. O. C.
			Changed oil in Camp Liteplant & two Rig Litesplants Dec. 23/70

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD	
	STANDS D.P.	FT.	BIT NO.		TIME	
	SINGLES D.P.	FT.	SIZE		WEIGHT	
	D.C. I.D. O.D.	FT.	MFG.		VISC.-SEC	
	D.C. I.D. O.D.	FT.	TYPE		W.L.-C.C.	
	STB. BODY O.D.	FT.	NOZZLE NO.		FL.TR. CK	
	STB. BODY O.D.	FT.	NOZZLE SIZE		PH	
	RMR. BODY O.D.	FT.	SER. NO.		SD. CONT. %	
	SUBS O.D.	FT.	DEPTH OUT		PRESSURE GRADIENT	
	BIT OR C.B.	FT.	DEPTH IN		MUD & CHEMICALS ADDED	
		FT.	TOTAL FTG.		TYPE / AMT. / TYPE / AMT.	
	KELLY DOWN	FT.	TOTAL HR. RUN			
	TOTAL	FT.	COND. OF BIT			
WT. OF STRING		LBS.	REAMER NO.			
			REAMER TYPE		DRILLER Don + Gary	

FOOTAGE FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	10⁴⁵	6¾	W. O. C.
10⁴⁵	12⁰⁰	1¼	Cut Casg + Welding on Casg head

KODAK SAFETY FILM

DAILY DRILLING REPORT

REPORT NO. 9 DATE Dec 22

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
Mobil Oil Canada Ltd	Mobil Hume Pipe L-09	L-09	Hume Pipe	N.W.T	

CONTRACTOR: S & T DRILLING (WESTERN) CO. LTD. RIG NO. 1E

SIGNATURE OF OPERATOR'S REPRESENTATIVE: Dennis G Moore

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: M Galenza

DRILL PIPE STRING: NO. 2, SIZE 4" — TOOL JOINT O.D. TYPE THD. 3½IF

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NSCW	K380	14
2.	NSCW	K380	14
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL			
REAMING	13¾	¼	
CONDITIONING MUD & CIRCULATING		2¾	1
TRIPS	2½	1½	
LUBRICATE RIG	¼	¼	
DEVIATION SURVEY	½		
TEST B.O.P.			
CUT OFF DRILLING LINE			
SERVICE RIG			
CORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING	1¾	2¼	5¾
WAITING ON CEMENT			1¼
DRILL STEM TEST			
OTHER	¼		
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK	
HRS. W/DP	
HRS. WO/DP	
HRS. STANDBY	
TOTAL DAY WORK	

WIRE LINE RECORD

REEL NO.	
NO. OF LINES	SIZE
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
3	STANDS D.P.		51 FT.
2	SINGLES D.P.		33.51 FT.
12	D.C. 7¾ I.D. 9⅛ O.D.		357.84 FT.
1	D.C. 6¼ I.D. 7¾ O.D.		10.60 FT.
	STB. BODY	O.D.	FT.
	STB. BODY	O.D.	FT.
	RMR. BODY	O.D.	FT.
	SUBS	O.D.	FT.
	BIT OR C.B.		FT.
1	HOBBS	4.85	FT.
	KELLY DOWN	39.20	FT.
	TOTAL	750.00	FT.

WT. OF STRING 48M LBS.

BIT RECORD

BIT NO.	5A
SIZE	12¼
MFG.	Hole Opener
TYPE	
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	8505
DEPTH OUT	750
DEPTH IN	610
TOTAL FTG.	140'
TOTAL HR. RUN	8
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	2:00		6:00
WEIGHT	9.8		9.9
VISC.-SEC	49		64
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Lime	25#		

DRILLER: D. J. Doyle

FOOTAGE

FROM	TO	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL-S PAR'EL-P COM'D-C
710	750	R			70	10	950	5½	69	5½	58	P
								X		X		
								14		14		

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	720'	2¼°		750	3°				

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	12:15	¼	Rig Service
12:15	12:30	¼	Reaming 8¾" hole to 12¼" w/pipe
12:30	12:45	¼	Surveys 720' 2¼°
12:45	2:15	1½	Reaming 8¾" hole to 12¼" w/pipe
2:15	2:30	¼	Survey @ 750 3°
2:30	3:00	½	Hoist Leyndown HO; Stroke up 8¾" bit
3:00	3:45	¾	Run 2 DC W/8¾" & pickup #1 Single - Bridge @ 1005
3:45	4:00	¼	Clean 138' to btm of 8¾" hole @ 1051
4:00	4:30	½	Circ. Cond hole
4:30	5:15	¾	Hoist Std back; Dc's
5:15	5:45	½	Run 2 wp and end pickup #3 Single
5:45	6:15	½	Circ. Cond hole to run plug
6:15	8:00	1¾	Run & Set Plug; Pull 3 Std's

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
4	STANDS D.P.		367.76 FT.
	SINGLES D.P.		FT.
12	D.C. 6¼ I.D. 7¾ O.D.		357.84 FT.
	D.C. I.D.	O.D.	FT.
	STB. BODY	O.D.	FT.
	STB. BODY	O.D.	FT.
	RMR. BODY	O.D.	FT.
1	SUBS	O.D. 9.20	FT.
1	C.B.	2.25	FT.
1	BIT	.95	FT.
	KELLY DOWN	22.47	FT.
	TOTAL	754.00	FT.

WT. OF STRING 48M LBS.

BIT RECORD

BIT NO.	RR1B
SIZE	12¼
MFG.	SMITH
TYPE	DT
NOZZLE NO.	2
NOZZLE SIZE	14
SER. NO.	FB182
DEPTH OUT	754
DEPTH IN	750
TOTAL FTG.	4
TOTAL HR. RUN	¼
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME			7:00
WEIGHT			9.9
VISC.-SEC			58
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Bi Carb	200#		

DRILLER: D. J. Doyle

FOOTAGE

FROM	TO	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL-S PAR'EL-P COM'D-C
750	754	R			120	5	1000	5½	69	5½		P
								X		A		
								14		14		

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	8:45	¾	Finish Pump Down Cement Plug + Hoist Pipe Slowly
8:45	9:30	¾	Rig Serv. + Clean up Rig Floor
9:30	10:15	¾	Strap Pipe + Run in to 650'
10:15	12:30	2¼	Break Circ Cond Mud + Clean To Bottom
12:30	12:45	¼	Ream 4 feet 8¾" Hole to 12¼" Hole to 754'
12:45	1:45	1	Circ. Cond mud + Hole To Run Csg.
1:45	2:30	¾	Trip out To Run Csg
2:30	4:00	1½	Rig To + Run Csg.

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

	STANDS D.P.		FT.
	SINGLES D.P.		FT.
	D.C. I.D.	O.D.	FT.
	D.C. I.D.	O.D.	FT.
	STB. BODY	O.D.	FT.
	STB. BODY	O.D.	FT.
	RMR. BODY	O.D.	FT.
	SUBS	O.D.	FT.
	BIT OR C.B.		FT.
			FT.
	KELLY DOWN		FT.
	TOTAL		FT.

WT. OF STRING LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HR. RUN	
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME			
WEIGHT			
VISC.-SEC			
W.L.-C.C.			
FLTR. CK			
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: Don't Dang

FOOTAGE

FROM	TO	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL-S PAR'EL-P COM'D-C

Ran 21 Jts 26# J55 ST&C 9⅝" Csg 774' set @ 750'
Cemented w/1000 Sx Class A Cement 1/4 Gilsonite
Displaced w/57 bbls Fresh water

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	5:15	1¼	Bumped Plug @ 4:00 pm Dec 22/80 Run 9⅝" Csg to Surface 15 bbls
7:15	8:15	1	Rig To + Circ. Csg.
8:15	10:45	2½	Rig To & Cement Csg Plug Down @ 10:45 pm Dec 23/80
10:45	12:00	1¼	Jet O.C

DAILY DRILLING REPORT

REPORT NO. 6 DATE Nov 21/70

OPERATOR: Mobil Oil Canada Ltd
LEASE: Mobil Hume River
WELL NO.: L-09
FIELD OR DIST.: Hume River
COUNTY: N.W.T
STATE:
CONTRACTOR: S&T DRILLING (WESTERN) CO. LTD.
RIG NO.: 1E
DRILL PIPE STRING: NO. 2, SIZE 4"
TOOL JOINT O.D.: TYPE THD. 3½ IF
SIGNATURE OF OPERATOR'S REPRESENTATIVE: M Ward
SIGNATURE OF CONTRACTOR'S TOOL PUSHER: R Galanyk

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	N.S.CO	K380	14
2.	N.S.CO	K380	14
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS

TIME DISTRIBUTION–HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	2½		
REAMING	3¼	6	6¼
CONDITIONING MUD & CIRCULATING			
TRIPS	1¼	1¼	3½
LUBRICATE RIG	¼	¼	¼
DEVIATION SURVEY	½	½	¼
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER	¼		½
FISHING			
COMPLETION WORK: A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK			
HRS. W/DP			
HRS. WO/DP			
HRS. STANDBY			
TOTAL DAY WORK			

WIRE LINE RECORD

REEL NO.
NO. OF LINES SIZE
FEET SLIPPED
FEET CUT OFF
PRESENT LENGTH
TON MI. OR TRIPS SINCE LAST CUT
CUMULATIVE TON MI. OR TRIPS
NO. OF DAYS FROM SPUD
CUMULATIVE ROTATING HRS.

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
1	STANDS D.P.	49 FT.
1	SINGLES D.P.	12.00 FT.
12	D.C. 3½ I.D. O.D.	357.84 FT.
1	D.C. I.D. O.D.	10.60 FT.
	STB. BODY O.D.	FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
BS 3	SUBS 3HO O.D.	4.85 FT.
	BIT OR C.B.	FT.
		FT.
	KELLY DOWN	25.22 FT.
	TOTAL	520.00 FT.

WT. OF STRING 45M LBS.

BIT RECORD

BIT NO.	4A	RR2B
SIZE	8¾	12¼
MFG.	H.W	
TYPE	X1G	hole opener
NOZZLE NO.	1½½½	
NOZZLE SIZE	¼	
SER. NO.	28130	8509
DEPTH OUT	1091	
DEPTH IN	394	394
TOTAL FTG.	697	126'
TOTAL HR. RUN	20¾	3¼
COND. OF BIT	2-2-1	Run
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	2⁰⁰		6⁰⁰
WEIGHT	9.8		9.9
VISC.-SEC	42		42
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: [illegible]

FOOTAGE

FROM	TO	DR–D RM–R CORE–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL–S PAR'L–P COMP'D–C
1028	1091	D			120	15	1150	5½	69			S
394	520	Rm			120	5		x				
					70	4/12	700	14				P

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
1060	5/8		1091	5¼				

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12⁰⁰	12⁰⁵	¼	Rig Service } 4⁰⁵ – 8⁰⁰ – 3¼ Ream 8¾" hole to 12¼" w/HO
12⁰⁵	1¹⁵	1	Drlg 8¾" hole
1¹⁵	1³⁰	¼	Survey @ 1060 – 5⅛°
1³⁰	3⁰⁰	1½	Drlg 8¾" hole
3⁰⁰	3¹⁵	¼	Survey @ 1091 – 5¼°
3¹⁵	4¹⁵	1	Hoist H. Lay down 22 Singles
4¹⁵	4³⁰	¼	Pick up hole opener; packed hole assembly, DC; Bit Sub.
4³⁰	4⁰⁵	¼	Run 2M w/ hole opener

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
2	STANDS D.P.	188.57 FT.
1	SINGLES D.P.	31.00 FT.
12	D.C. I.D. O.D.	357.84 FT.
	D.C. 7⅝ I.D. O.D.	10.60 FT.
	STB. BODY O.D.	FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
BS+HO	SUBS O.D.	2.35 FT.
	BIT OR C.B.	FT.
		FT.
	KELLY DOWN	25.37 FT.
	TOTAL	610.00 FT.

WT. OF STRING 44M LBS.

BIT RECORD

BIT NO.	RR2B	RR2A
SIZE	12¼	12¼
MFG.		SMITH
TYPE	hole opener	O.T.
NOZZLE NO.		3
NOZZLE SIZE		19
SER. NO.	8509	F81828
DEPTH OUT	535	610
DEPTH IN	394	535
TOTAL FTG.	141	75
TOTAL HR. RUN	5	4½
COND. OF BIT		
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	10⁰⁰		2⁰⁰
WEIGHT	9.9		9.8
VISC.-SEC	42		38
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: D. J. Doyle

FOOTAGE

FROM	TO	DR–D RM–R CORE–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL–S PAR'L–P COMP'D–C
520	535	R			70	6/12	750	5½	69	5½		SP
535	610	R						x		x		
								14		14		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
535	2 ⅛°		595	2¼°				

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	8:15	¼	Rig Serv. + √ Kelly Cock
8:15	10:00	1¾	Reaming 8¾" hole to 12¼" w/ H.O.
10:00	10:15	¼	Survey @ 535'
10:15	11:00	¾	Trip + drop hole O. + pick up 12¼" bit to ream
11:00	2:30	3½	Reaming 8¾" to 12¼" hole
2:30	2:45	¼	Survey @ 595'
2:45	3:30	¾	Reaming 8¾" hole to 12¼" hole w/bit
3:30	4:00	½	Trip out to pick up hole opener

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
3	STANDS D.P.	176 FT.
1	SINGLES D.P.	30⁶ FT.
12	D.C. I.D. O.D.	357.84 FT.
1	D.C. I.D. O.D.	10.60 FT.
	STB. BODY O.D.	FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
BS+H.O		4.85 FT.
	KELLY DOWN	29.95 FT.
	TOTAL	710.00 FT.

WT. OF STRING 46M LBS.

BIT RECORD

BIT NO.	5A	
SIZE	12¼	
MFG.	Hole	
TYPE	opener	
NOZZLE NO.		
NOZZLE SIZE		
SER. NO.	8505	
DEPTH OUT		
DEPTH IN	610	
TOTAL FTG.	100'	
TOTAL HR. RUN	6¼	
COND. OF BIT	Run	
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	6⁰⁰	8⁰⁰	10⁰⁰
WEIGHT	9.9	9.8	9.8
VISC.-SEC	38	40	43
W.L.-C.C.			
FLTR. CK			
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	1000#		

DRILLER: Don. J. Doyle

FOOTAGE

FROM	TO	DR–D RM–R CORE–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL–S PAR'L–P COMP'D–C
610	710	R			70	6/12	775	5½				P
								x				
								14				

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
659	2½							

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	4:15	¼	Rig Serv. + √ Kelly Cock
4:15	4:45	½	Cut straps of bits on H. openers. Change bits + weld straps on again
4:45	5:30	¾	Run in w/ hole O. + strap in -.18 diff.
5:30	9:30	4	Reaming 8¾" to 12¼" hole
9:30	9:45	¼	Survey @ 659 – 2½
9:45	12:00	2¼	Ream 8¾" hole to 12¼" w/ H.O

DAILY DRILLING REPORT

REPORT NO. 5 DATE Dec 29/90

OPERATOR: Gulf Oil Canada Ltd
LEASE: Gulf Hume Rivers
WELL NO.: L-09
FIELD OR DIST.: Hume Rivers
COUNTY: N.W.T
STATE:
CONTRACTOR: S & T DRILLING (WESTERN) CO. LTD.
RIG NO.: 1E
DRILL PIPE STRING: NO. 2 SIZE 4
TOOL JOINT O.D.: 5"
TYPE THD.: 3½ IF
SIGNATURE OF OPERATOR'S REPRESENTATIVE:
SIGNATURE OF CONTRACTOR'S TOOL PUSHER:

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	N.S.C.O	K380	14
2.	N.S.C.O	K380	14
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	6¼	6½	5½
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS	¼		2¾
LUBRICATE RIG	¼	¼	¼
DEVIATION SURVEY	¾	¼	¼
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
BORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER	½		
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK			
HRS. W/DP			
HRS. WO/DP			
HRS. STANDBY			
TOTAL DAY WORK			

WIRE LINE RECORD

REEL NO.	
NO. OF LINES	SIZE
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
2	STANDS D.P.	414.6 FT.
1	SINGLES D.P.	21.44 FT.
12	D.C. I.D. O.D.	351.84 FT.
	D.C. I.D. O.D.	FT.
	STB. BODY O.D.	FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
pulled bit		24.68 FT.
	KELLY DOWN	41.00 FT.
	TOTAL	638.25 FT.
WT. OF STRING	46m	LBS.

BIT RECORD

BIT NO.	4A
SIZE	8¾
MFG.	H.W.
TYPE	X1G
NOZZLE NO.	1/12
NOZZLE SIZE	1/13 1/14
SER. NO.	28130
DEPTH CUT	
DEPTH IN	394
TOTAL FTG.	244
TOT. HR. RUN	6¼
COND. OF BIT	Run
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	2:00	4:00	7:00
WEIGHT	9.7	9.7	9.8
VISC.-SEC	46	43	40
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: D. Gaglardi

FOOTAGE

FROM	TO	DR.-D RM.-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
394	638	D		Gravel 8' 4"	120	6m	825	5½	69	5½		5
					90	20m	875	X		X		
					100	14m	925	14		14		

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	494	2¾°		545	2½		607	1⅞	

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	12:30	½	Handle packed hole assembly & Make up same
12:30	12:45	¼	Rig Service
12:45	1:00	¼	Run 2 w 8¾ bit
1:00	4:30	3½	Drlg 8¾ hole
4:30	4:45	¼	Survey @ 494
4:45	5:45	1	Drlg 8¾ hole
5:45	6:00	¼	Survey @ 545 2½°
6:00	7:15	1¼	Drlg 8¾ hole

7:15-7:30-¼ Survey @ 607 - 1⅞
7:30-8:00-½ Drlg 8¾" hole

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
5	STANDS D.P.	460.17 FT.
1	SINGLES D.P.	30.58 FT.
12	D.C. 5¾ I.D. O.D.	357.84 FT.
	D.C. I.D. O.D.	FT.
	STB. BODY O.D.	FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
Pulled bit		24.62 FT.
	KELLY DOWN	26.77 FT.
	TOTAL	900.00 FT.
WT. OF STRING	48 M	LBS.

BIT RECORD

BIT NO.	4A
SIZE	8¾
MFG.	H.W.
TYPE	X1G
NOZZLE NO.	1 11
NOZZLE SIZE	12/13/14
SER. NO.	28130
DEPTH OUT	
DEPTH IN	394
TOTAL FTG.	506
TOTAL HR. RUN	12¾
COND. OF BIT	RUN
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	10:00	1:00	
WEIGHT	9.7	9.7	
VISC.-SEC	42	40	
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: D. J. Gaglardi

FOOTAGE

FROM	TO	DR.-D RM.-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
638	900	D			100	20	900	5½	69	5½		5
							400	X		X		
								14"		14"		

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	669	2½		729	2¼°		791	3¼°	

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	8:15	¼	Rig Serv. + V Kelly Cock
8:15	9:00	¾	Drlg 8¾" Hole
9:00	9:15	¼	Survey @ 669'
9:15	10:45	1½	Drlg. 8¾" Hole
10:45	11:00	¼	Survey @ 729'
11:00	12:00	1	Drlg. 8¾" Hole
12:00	12:15	¼	Survey @ 791'
12:15	1:15	1	Drlg. 8¾" Hole

1:15-1:30-¼ = Survey @ 822' 3°
1:30-2:15-1¾ = Drlg. 8¾" Hole
2:15-2:30-¼ = Survey @ 883' 3½°
3:30-4:00-½ = Drlg. 8¾" Hole

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
6	STANDS D.P.	575.52 FT.
2	SINGLES D.P.	62.5 FT.
12	D.C. 2¼ I.D. O.D.	357.84 FT.
	D.C. I.D. O.D.	FT.
	STB. BODY O.D.	FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
1 Stab.		4.46 FT.
	KELLY DOWN	41.00 FT.
	TOTAL	1028.82 FT.
WT. OF STRING	52m	LBS.

BIT RECORD

BIT NO.	4A
SIZE	8¾
MFG.	H.W.
TYPE	X1G
NOZZLE NO.	1 1 1
NOZZLE SIZE	12 13 14
SER. NO.	28130
DEPTH OUT	
DEPTH IN	394
TOTAL FTG.	634
TOTAL HR. RUN	18¼
COND. OF BIT	Run
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	6:00	8:00	10:00
WEIGHT	9.7	9.7	9.7
VISC.-SEC	42	44	42
W.L.-C.C.			
FLTR. CK			
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: Don Gaglardi

FOOTAGE

FROM	TO	DR.-D RM.-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
900	1028	D			120	5						
					120	15						

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	942	4¼°		997	4½°				

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	4:15	¼	Rig Serv. + V Kelly Cock
4:15	5:45	1½	Drlg. 9¾" Hole
5:45	7:45	2	Trip out Lay Down 2 Stabilizers + Make 1 up 30' & Survey
7:45	10:45	3	Drlg. 8¾" Hole
10:45	11:00	¼	Survey @ 997 - 4½°
11:00	12:00	1	Drlg 8¾ Hole

DAILY DRILLING REPORT

REPORT NO. 4 DATE Dec 19/90

OPERATOR: Mobil Oil Canada Ltd.
LEASE: Mobil Home Runs
WELL NO.: L-09
FIELD OR DIST.: Home Runs
COUNTY: W.W.T
STATE: Canada
CONTRACTOR: S & T DRILLING (WESTERN) CO. LTD.
RIG NO.: 1E
DRILL PIPE STRING: NO. 2 SIZE 4"
TOOL JOINT: 5 1/2 I F.O.D.
TYPE THD.: 3 1/2 IF
SIGNATURE OF OPERATOR'S REPRESENTATIVE: Dennis Mount.
SIGNATURE OF CONTRACTOR'S TOOL PUSHER: [illegible]

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	N.S.C.O	K350	14
2.	N.S.C.O	K350	14
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	2 1/2	5 1/4	3 1/4
REAMING	2 3/4	2 1/4	1/2
CONDITIONING MUD & CIRCULATING			
TRIPS	1 3/4	2	2 3/4
LUBRICATE RIG	1/4	1/4	1/4
DEVIATION SURVEY	3/4	1/4	1/4
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
SLIPPING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			1
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	4

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK
HRS. W/DP
HRS. WO/DP
HRS. STANDBY
TOTAL DAY WORK

WIRE LINE RECORD

REEL NO.
NO. OF LINES SIZE
FEET SLIPPED
FEET CUT OFF
PRESENT LENGTH
TON MI. OR TRIPS SINCE LAST CUT
CUMULATIVE TON MI. OR TRIPS
NO. OF DAYS FROM SPUD
CUMULATIVE ROTATING HRS.

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
	STANDS D.P.		FT.
	SINGLES D.P.		FT.
9	D.C. 2 7/8 I.D. O.D.	285.31	FT.
	D.C. I.D. O.D.		FT.
	STB. BODY O.D.		FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
	SUBS O.D.		FT.
	BIT OR C.B.		FT.
	Orbit Sub	26.62	FT.
	KELLY DOWN	40.50	FT.
	TOTAL	332.43	FT.

WT. OF STRING: 38m LBS.

BIT RECORD

BIT NO.	3A	3B	RR3A
SIZE	8 3/4	12 1/4	8 3/4
MFG.	Smith	✓	✓
TYPE	DT-J	✓	✓
NOZZLE NO.	3	3	✓
NOZZLE SIZE	13	19	13
SER. NO.	EV4389		✓
DEPTH OUT	274	332	
DEPTH IN	220	274	
TOTAL FTG.	54'	58	
TOTAL HR. RUN	2 1/2	2 1/4	1 1/2
COND. OF BIT	1-1-I	2-1-I	
REAMER NO.			
REAMER TYPE			

MUD RECORD

TIME	2:00	4:00	7:00
WEIGHT	9.6	9.6	9.7
VISC./SEC	46	44	42
W.L./C.C.			
FLTR. CK.			
PH	9		
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: D. Doyle

FOOTAGE

FROM	TO	DR.-D RM.-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)
260	332	D		Fuel 6'10"
220	332	R		

ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL-S PAR'EL-P COM'D-C
130	2-4	825	5 1/2	69			
			x				
			14				

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
274	1 1/2°		302	1 3/4		332	1 1/2	

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	12:15	1/4	Dalg 8 3/4" pilot hole
12:15	12:30	1/4	Rig Service
12:30	12:45	1/4	Survey @ 274' 1 1/2°
12:45	1:15	1/2	Trip out & Run 2 w/ 12 1/4" bit
1:15	2:45	1 1/2	Ream 8 3/4" hole to 12 1/4"
2:45	3:15	1/2	Trip out & Run 2 w/ 8 3/4" bit
3:15	4:20	1 1/4	Dalg 8 3/4" pilot hole
4:20	4:45	1/4	Survey @ 302 - 1 3/4
4:45	5:05	1	Dalg 8 3/4" hole
5:05	6:00	1/4	Survey @ 332 - 1 1/2
6:00	6:30	1/2	Trip out & Run 2 w/ 12 1/4" bit
6:30	7:45	1 1/4	Ream 8 3/4" hole to 12 1/4"
7:45	8:00	1/4	Trip out w/ 12 1/4" bit

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
	STANDS D.P.		FT.
	SINGLES D.P.		FT.
11	D.C. 6 1/4 2 7/8 I.D. O.D.	325.23	FT.
1	D.C. 7 3/4 I.D. O.D.	10.60	FT.
	STB. BODY O.D.		FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
	SUBS O.D.		FT.
	BIT OR C.B.		FT.
			FT.
	KELLY DOWN	22.17	FT.
	TOTAL	358.00	FT.

WT. OF STRING: 38 M LBS.

BIT RECORD

BIT NO.	RR3A	RR1E
SIZE	8 3/4	12 1/4
MFG.	SMITH	✓
TYPE	DT-J	✓
NOZZLE NO.	3	✓
NOZZLE SIZE	13	19
SER. NO.	EV389	
DEPTH OUT	358	
DEPTH IN	332	332
TOTAL FTG.	26	26
TOTAL HR. RUN	3 1/4	2 1/4
COND. OF BIT		
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	11:00
WEIGHT	9.7
VISC.-SEC	42
W.L.-C.C.	
FLTR. CK.	
PH	
SD. CONT. %	
PRESSURE GRADIENT	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: D. J. Doyle

FOOTAGE

FROM	TO	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)
332	358	D		

ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL-S PAR'EL-P COM'D-C
120	2	825	5 1/2	69	5 1/2		5
			x		x		
			14		14		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
358	1 3/4°							

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	8:45	3/4	TRIP OUT & RUN 8 3/4" BIT & LAY DOWN BOTTOM STABELIZER
8:45	9:00	1/4	Rig SERV.
9:00	12:15	3 1/4	DALG. 8 3/4" HOLE
12:15	12:30	1/4	SURVEY @ 358'
12:30	1:45	1 1/4	TRIP OUT & RUN 12 1/4" BIT & LAY DOWN 2 STABELIZERS
1:45	4:00	2 1/4	REAM 8 3/4" TO 12 1/4" HOLE

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
	STANDS D.P.		FT.
	SINGLES D.P.		FT.
12	D.C. 2 1/4 I.D. O.D.	355.94	FT.
	D.C. I.D. O.D.		FT.
	STB. BODY O.D.		FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
	SUBS O.D.	2.35	FT.
	BIT OR C.B.		FT.
	Orbit Sub	15.06	FT.
	KELLY DOWN	20.65	FT.
	TOTAL	394.00	FT.

WT. OF STRING: 40m LBS.

BIT RECORD

BIT NO.	RR1E	3A
SIZE	12 1/4	8 3/4
MFG.	SMITH	✓
TYPE	DT-J	✓
NOZZLE NO.	3	4
NOZZLE SIZE	19	13
SER. NO.	FB182	EV389
DEPTH OUT	358	376
DEPTH IN	332	358
TOTAL FTG.	26	18
TOTAL HR. RUN	2 1/2	2
COND. OF BIT		
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	11:00
WEIGHT	9.7
VISC.-SEC	46
W.L.-C.C.	
FLTR. CK.	
PH	
SD. CONT. %	
PRESSURE GRADIENT	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: Don + Dave

FOOTAGE

FROM	TO	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)
358	394	D		
358	376	R		

ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL-S PAR'EL-P COM'D-C
			5 1/2		5 1/2		5
			x		x		
			14		14		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
376	2°		394	2 3/4				

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	4:15	1/4	DALG. 12 1/4" HOLE
4:15	4:30	1/4	Rig SERV.
4:30	5:15	3/4	TRIP TO CHANGE BITS
5:15	7:15	2	DRLG. 8 3/4" HOLE
7:15	8:30	1 1/4	TRIP OUT + PICK UP H. OPENER + STAB.
8:30	9:00	1/2	Ream 8 3/4" hole to 12 1/4" w/ H.O
9:00	9:30	1/2	Trip out & Run 2 w/ 12 1/4" bit
9:30	10:30	1	Dalg 12 1/4" hole
10:30	10:45	1/4	Survey @ 394' - 2 3/4°
10:45	11:45	1	W.O.O
11:45	12:00	1/4	Hoist

DAILY DRILLING REPORT

REPORT NO. 5 DATE DEC 18/76

OPERATOR: MOBIL OIL CANADA LTD
LEASE: MOBIL HUME RIVER
WELL NO.: L-09
FIELD OR DIST.: HUME RIVER
COUNTY:
STATE: N.W.T
CONTRACTOR: S & T DRILLING (WESTERN) CO. LTD.
RIG NO.:
SIGNATURE OF OPERATOR'S REPRESENTATIVE: Dennis O Moore
SIGNATURE OF CONTRACTOR'S TOOL PUSHER: J B Gallagher

DRILL PIPE STRING: NO. / SIZE
TOOL JOINT: O.D. / TYPE THD.

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.			
2.			
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS

TIME DISTRIBUTION - HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN	5¾	5¾	2¼
DRILLING ACTUAL			
REAMING			4¾
CONDITIONING MUD & CIRCULATING			
TRIPS	½	½	¾
LUBRICATE RIG	¼	¼	¼
DEVIATION SURVEY	¼	½	
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT	8		
DRILL STEM TEST			
OTHER	¼	1	
FISHING			
COMPLETION WORK: A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK	
HRS. W/DP	
HRS. WO/DP	
HRS. STANDBY	
TOTAL DAY WORK	

WIRE LINE RECORD

REEL NO.	
NO. OF LINES	SIZE
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
	STANDS D.P.	FT.
	SINGLES D.P.	FT.
	D.C. I.D. O.D.	FT.
	D.C. I.D. O.D.	FT.
	STB. BODY O.D.	FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
		FT.
	KELLY DOWN	FT.
	TOTAL	FT.
WT. OF STRING		LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HR. RUN	
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	4	11
WEIGHT		
VISC.-SEC		
W.L.-C.C.		
FLTR. CK.		96
PH		
SD. CONT. %		
PRESSURE GRADIENT		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: R Hanley

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C

96

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12⁰⁰	8⁰⁰	8	W.O.C
			76

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
	STANDS D.P.	FT.
	SINGLES D.P.	FT.
5	D.C. 7¾" I.D. 2¼" O.D.	187.57 FT.
	D.C. I.D. O.D.	FT.
	STB. BODY O.D.	FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
	Assembly	26.62 FT.
	KELLY DOWN	40.50 FT.
	TOTAL	2046.9 FT.
WT. OF STRING	30M	LBS.

BIT RECORD

BIT NO.	2A	2B
SIZE	8¾	12¼
MFG.	Smith	
TYPE	DT-J	H.O
NOZZLE NO.	3	
NOZZLE SIZE	13	
SER. NO.	FA391	8509
DEPTH OUT	204	-
DEPTH IN	97	97
TOTAL FTG.	107'	
TOTAL HR. RUN	5¾	
COND. OF BIT	2-1-1	
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	10⁰⁰	12⁰⁰	3⁰⁰
WEIGHT	58	62	56
VISC.-SEC	9.3	9.3	9.4
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Lime	25ᵏᵍ		

DRILLER: R Coleman

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO.1 LINER SIZE	PUMP NO.1 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
97	204	D			120	2-4	850	5½ x 14	69			S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
125 - 3/4°			204	1¼				

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8⁰⁰	8¹⁵	¼	Rig Service
8¹⁵	8⁴⁵	½	Make up packed hole assembly
8⁴⁵	9¹⁵	½	Drill out Cement - top @ 95'
9¹⁵	10⁴⁵	1½	Drlg 8¾" pilot hole
10⁴⁵	11⁰⁰	¼	Survey @ 125' ¾°
11⁰⁰	3¹⁵	4¼	Drlg 8¾" pilot hole
3¹⁵	3³⁰	¼	Survey @ 204' 1¼°
3³⁰	4⁰⁰	½	Trip out & Run 3x w/ 12¼" hole opener

Ran 8¾" Bit #2A Smith DT-J # FA 391 on Stab of Hole opener

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
	STANDS D.P.	FT.
	SINGLES D.P.	FT.
7	D.C. 6" I.D. O.D.	206.87 FT.
	D.C. I.D. O.D.	FT.
	STB. BODY O.D.	FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
	Assembly	26.62 FT.
	KELLY DOWN	27.79 FT.
	TOTAL	260.08 FT.
WT. OF STRING	34M	LBS.

BIT RECORD

BIT NO.	2B	3A
SIZE	12¼	8¾
MFG.		SMITH
TYPE	H.O	DT-J
NOZZLE NO.		3
NOZZLE SIZE		13
SER. NO.	8509	EV9780
DEPTH OUT	220	
DEPTH IN	97	220
TOTAL FTG.	123	40
TOTAL HR. RUN	4¾	2¼
COND. OF BIT		
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	6⁰⁰		
WEIGHT	9.5		
VISC.-SEC	48		
W.L.-C.C.			
FLTR. CK			
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: Gary & Don

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO.1 LINER SIZE	PUMP NO.1 S.P.M.	PUMP NO.2 LINER SIZE	PUMP NO.2 S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
97	220	R			90	4m	350 775	5½ x 14		5½ x 14		P S
220	260	D										

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4⁰⁰	4¹⁵	¼	Rig Service
4¹⁵	9:00	4¾	Ream 8¾" hole w/ hole opener to 12¼"
9:00	9:45	¾	PULL OUT + LAY DOWN REAMER + BELL SUB + RUN IN w/ BIT #3A 8¾"
9:45	12:00	2¼	DRLG 8¾" HOLE

DAILY DRILLING REPORT

REPORT NO. 6 DATE Dec. 17/70

OPERATOR: Mobil Oil Canada LTD

LEASE: Mobil Hume River

WELL NO.: I-09

FIELD OR DIST.: Hume River

COUNTY: NWT

STATE: Canada

CONTRACTOR: S & T DRILLING (WESTERN) CO. LTD.

RIG NO.: 1E

DRILL PIPE STRING NO. / SIZE

TOOL JOINT O.D. / TYPE THD.

SIGNATURE OF OPERATOR'S REPRESENTATIVE: D. C. Mabon

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: B Galenza

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.			
2.			
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS

TIME DISTRIBUTION–HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL			
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG			
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
SLIPPING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			
FISHING			
COMPLETION WORK: A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS			

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK			
HRS. W/DP			
HRS. WO/DP			
HRS. STANDBY			
TOTAL DAY WORK			

WIRE LINE RECORD

REEL NO.	
NO. OF LINES	SIZE
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

STANDS D.P.		FT.
SINGLES D.P.		FT.
D.C. I.D. O.D.		FT.
D.C. 1/2 I.D. O.D.	29.97 28.25	FT.
STB. BODY O.D.		FT.
STB. BODY O.D.		FT.
RMR. BODY O.D.	3.20	FT.
SUBS O.D.	2.35	FT.
BIT OR C.B.		FT.
		FT.
KELLY DOWN	33.50	FT.
TOTAL	97	FT.
WT. OF STRING		LBS.

BIT RECORD

BIT NO.	1A
SIZE	12¼
MFG.	Smith
TYPE	
NOZZLE NO.	3
NOZZLE SIZE	19
SER. NO.	FB 182
DEPTH OUT	97
DEPTH IN	47
TOTAL FTG.	
TOTAL HR. RUN	5.
COND. OF BIT	Good
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	12:00	3:00	6:00
WEIGHT			
VISC.–SEC	55	54	60
W.L.–C.C.			
FLTR. CK.			
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Lime	#50		
Caustic	#50		

DRILLER: R. Hanley

FOOTAGE

FROM	TO	DR–D RM–R CORE–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL–S PAR'EL–P COM'D–C
~~76~~ 76.	97											

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	97	¾							

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	12:15	¼	Survey
12:15	12:30	¼	Rig Serv.
12:30	1:30	1	Drlg. 12¼ hole pulsing
1:30	2:30	1	Pulled 2 collars & picked 17½" reamer.
2:30	6:45	4¼	Reamed 17½ hole.
6:45	8:00	1¼	Circ. hole to run Casing

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

STANDS D.P.		FT.
SINGLES D.P.		FT.
D.C. I.D. O.D.		FT.
D.C. I.D. O.D.		FT.
STB. BODY O.D.		FT.
STB. BODY O.D.		FT.
RMR. BODY O.D.		FT.
SUBS O.D.		FT.
BIT OR C.B.		FT.
		FT.
KELLY DOWN		FT.
TOTAL		FT.
WT. OF STRING		LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HR. RUN	
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME			
WEIGHT			
VISC.–SEC			
W.L.–C.C.			
FLTR. CK.			
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: B. Dawson

FOOTAGE

FROM	TO	DR–D RM–R CORE–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL–S PAR'EL–P COM'D–C

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	8:30	½	Circ hole and 13⅜" csg
8:30	9:15	¾	Rig Service, Lay down DC's, Take out 3 Blow Kelly
9:15	12:00	2¾	Rig'd up Run Conductor, Weld all Collard
12:00	3:15	3¼	Rig'd up Circ Conductor, pull B.O.P.
3:15	3:45	½	Rig'd up Cement — Plug down @ 3:45 pm Dec 9/70
3:45	4:00	¼	Pull B.O.P.

DRILLER: Roby Adams

FOOTAGE

FROM	TO	DR–D RM–R CORE–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL–S PAR'EL–P COM'D–C

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	12:00	8	Pull B.O.E

DAILY DRILLING REPORT

REPORT NO. 1 DATE Dec. 16/70

OPERATOR: Mobil Oil Canada LTD
LEASE: Mobil Hume River
WELL NO.: L-09
FIELD OR DIST.: Hume River
COUNTY: NWT
STATE: Canada
CONTRACTOR: S & T DRILLING (WESTERN) CO. LTD.
RIG NO.: 1E
DRILL PIPE STRING: NO. / SIZE
TOOL JOINT O.D. / TYPE THD.

SIGNATURE OF OPERATOR'S REPRESENTATIVE: D L. Moore
SIGNATURE OF CONTRACTOR'S TOOL PUSHER: M B Helenga

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.			
2.			
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS

TIME DISTRIBUTION–HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL			
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG			
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK			
HRS. W/DP			
HRS. WO/DP			
HRS. STANDBY			
TOTAL DAY WORK			

WIRE LINE RECORD

REEL NO.
NO. OF LINES SIZE
FEET SLIPPED
FEET CUT OFF
PRESENT LENGTH
TON MI. OR TRIPS SINCE LAST CUT
CUMULATIVE TON MI. OR TRIPS
NO. OF DAYS FROM SPUD
CUMULATIVE ROTATING HRS.

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		FT.
	STANDS D.P.	FT.
	SINGLES D.P.	FT.
	D.C. I.D. O.D.	FT.
	D.C. I.D. O.D.	FT.
	STB. BODY O.D.	FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	3.20 FT.
	SUBS O.D.	2.35 FT.
	BIT OR C.B.	FT.
	BIT	95 FT.
	KELLY DOWN	34.80 FT.
	TOTAL	42 FT.
WT. OF STRING		LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HR. RUN	
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	
WEIGHT	
VISC.–SEC	
W.L.–C.C.	
FLTR. CK.	
PH	
SD. CONT. %	
PRESSURE GRADIENT	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	2500#		
Caustic	100#		

DRILLER: R Henley

FOOTAGE

FROM	TO	DR–D RM–R CORE–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL–S PAR'EL–P COM'D–C
0	42											

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	4:00	4 hrs	Rig to Spud.
4:00	6.30	2½	Mix Gel.
6.30	8.00	1½	DR. in 12¼" hole - piloting

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		FT.
	STANDS D.P.	FT.
	SINGLES D.P.	FT.
	D.C. I.D. O.D.	FT.
	D.C. I.D. O.D.	FT.
	STB. BODY O.D.	FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
	SUBS O.D.	3.20 FT.
	BIT ~~C.B.~~	3.30 FT.
		FT.
	KELLY DOWN	40.50 FT.
	TOTAL	47.00 FT.
WT. OF STRING		LBS.

BIT RECORD

BIT NO.	1A
SIZE	12¼
MFG.	Smith
TYPE	DTJ
NOZZLE NO.	3
NOZZLE SIZE	19
SER. NO.	FB1562
DEPTH OUT	
DEPTH IN	0
TOTAL FTG.	47
TOTAL HR. RUN	2
COND. OF BIT	Run
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	
WEIGHT	
VISC.–SEC	
W.L.–C.C.	
FLTR. CK.	
PH	
SD. CONT. %	
PRESSURE GRADIENT	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: R Chaisson

FOOTAGE

FROM	TO	DR–D RM–R CORE–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL–S PAR'EL–P COM'D–C
42	47	D										

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	8:30	½	Dely 12¼" hole - piloting
8:30	8:45	¼	Rig Service
8:45	12:45	4	Rig to drill Rathole
12:45	2:00	1¼	Repair Cellar Jet
2:00	4:00	2	Drill Rathole

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		FT.
	STANDS D.P.	FT.
	SINGLES D.P.	FT.
	D.C. I.D. O.D.	FT.
1	D.C. I.D. O.D.	29.97 FT.
	STB. BODY O.D.	FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	3.20 FT.
	SUBS O.D.	2.35 FT.
	BIT OR C.B.	FT.
		FT.
	KELLY DOWN	40.50 FT.
	TOTAL	76.02 FT.
WT. OF STRING		LBS.

BIT RECORD

BIT NO.	1A
SIZE	12¼
MFG.	Smith
TYPE	DTJ
NOZZLE NO.	3
NOZZLE SIZE	19
SER. NO.	FB1562
DEPTH OUT	
DEPTH IN	47
TOTAL FTG.	76
TOTAL HR. RUN	4
COND. OF BIT	Run
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	
WEIGHT	Low #50
VISC.–SEC	
W.L.–C.C.	
FLTR. CK	
PH	
SD. CONT. %	
PRESSURE GRADIENT	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: R [illegible]

FOOTAGE

FROM	TO	DR–D RM–R CORE–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL–S PAR'EL–P COM'D–C
47	76											

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	4:15	¼	Rig Service
4:15	6:00	1¾	Dely Rathole
6:00	6:15	¼	Try Setting Kelly Sock - Unable to
6:15	8:00	1¾	Ream 10" Rathole
8:00	9:00	1	Pump Kelly Sock down.
9:00	10:00	1	Mix Gel
10:00	12:00	2	Dely 12¼ hole piloting

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE April 17/71

No. 123 DAILY TIME SHEET 3-35 (REV. 1 V68)

FIELD or AREA: Hume River WELL NAME & No. Mobil Hume River 4-09 CONTRACTOR Sed Drilling Co Ltd RIG No. 12 No. 123

Well Mobil Hume River 4-09

Approved _____ Date April 17/71

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
2 A.M.										
4 A.M.										
6 A.M.										
8 A.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND

START	STOP	HRS.	WORK RECORD 12 - 8 TOUR

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
KELLY IN		
TOTAL		
RAT HOLE TOP		

BIT RECORD			
BIT No.			
SIZE			
MAKE			
TYPE			
SERIAL			
JET SIZE			
FROM			
TO			
FOOTAGE			
HRS.			
COND.			

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	R Worley	8
DERRICK	[illegible]	8
MOTORMAN	[illegible]	8
FLOORMAN	[illegible]	8
FLOORMAN	[illegible]	8
FIREMAN	[illegible]	8

REMARKS AND INJURIES:

	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
10 A.M.										
NOON										
2 P.M.										
4 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND

BOP Tested

START	STOP	HRS.	DRILLER: CONTRACTOR'S TIME CO's. TIME 8 - 4 TOUR
			Dixon Camp - Travel to Edmonton

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
KELLY IN		
TOTAL		
RAT HOLE TOP		

BIT RECORD			
BIT No.			
SIZE			
MAKE			
TYPE			
SERIAL			
JET SIZE			
FROM			
TO			
FOOTAGE			
HRS.			
COND.			

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	[illegible]	8
DERRICK		
MOTORMAN	[illegible]	8
FLOORMAN	[illegible]	8
FLOORMAN	[illegible]	8
FIREMAN	[illegible]	8

REMARKS AND INJURIES:

	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
6 P.M.										
8 P.M.										
10 P.M.										
12 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

BOP Tested

START	STOP	HRS.	DRILLER: [illegible] CONTRACTOR'S TIME CO's. TIME 4 - 12 TOUR

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
KELLY IN		
TOTAL		
RAT HOLE TOP		

BIT RECORD			
BIT No.			
SIZE			
MAKE			
TYPE			
SERIAL			
JET SIZE			
FROM			
TO			
FOOTAGE			
HRS.			
COND.			

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: [illegible] APPROVED: _____

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE April 16/71 No. 122 DAILY TIME SHEET 3-35 (REV. 1/68)

Well Mobil Hume River L-09

FIELD or AREA: Hume River WELL NAME & No. Mobil Hume River L-09 CONTRACTOR S.T. Drilling (Western) Co. Ltd. RIG No. 11

Approved _____ Date April 16

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEVIATION DEG.
2 A.M.										
4 A.M.										
6 A.M.										
8 A.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND

START	STOP	HRS.	WORK RECORD 12 - 8 TOUR

BOP Tested DRILLER: CONTRACTOR'S TIME CO's. TIME

	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEVIATION DEG.
10 A.M.										
NOON										
2 P.M.										
4 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND

START	STOP	HRS.	8 - 4 TOUR
			Packing Rig & Cleaning Lease

BOP Tested DRILLER: CONTRACTOR'S TIME CO's. TIME

	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEVIATION DEG.
6 P.M.										
8 P.M.										
10 P.M.										
12 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

START	STOP	HRS.	4 - 12 TOUR

BOP Tested DRILLER: CONTRACTOR'S TIME CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY

No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
KELLY IN		
TOTAL		
RAT HOLE TOP		

BIT RECORD

BIT No.	
SIZE	
MAKE	
TYPE	
SERIAL	
JET SIZE	
FROM	
TO	
FOOTAGE	
HRS.	
COND.	

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	A Hensley	12
DERRICK	A Stevens	12
MOTORMAN	A Knipsel	12
FLOORMAN	T Hopson	12
FLOORMAN	J Burtnik	12
FIREMAN		

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY

No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
KELLY IN		
TOTAL		
RAT HOLE TOP		

BIT RECORD

BIT No.	
SIZE	
MAKE	
TYPE	
SERIAL	
JET SIZE	
FROM	
TO	
FOOTAGE	
HRS.	
COND.	

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	[illegible]	14
DERRICK	[illegible]	14
MOTORMAN	J Nelson	14
FLOORMAN	[illegible]	14
FLOORMAN	[illegible] Schaapmeyer	14
FIREMAN		

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY

No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
KELLY IN		
TOTAL		
RAT HOLE TOP		

BIT RECORD

BIT No.	
SIZE	
MAKE	
TYPE	
SERIAL	
JET SIZE	
FROM	
TO	
FOOTAGE	
HRS.	
COND.	

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: [illegible] APPROVED [signature]

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE April 5/71 No. 121 — No. 122 DAILY TIME SHEET 3-35 (REV. 1/68)

FIELD or AREA: Home/Pine West WELL NAME & No. Exhibit Home Pine L-09 CONTRACTOR S+T Drilling (Alberta) Co. Ltd. RIG No. 16 — Well Exhibit Home Pine L-09 — Approved _____ Date April 6/71

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
2 A.M.										
4 A.M.										
6 A.M.										
8 A.M.										
10 A.M.										
NOON										
2 P.M.										
4 P.M.										
6 P.M.										
8 P.M.										
10 P.M.										
12 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

BOP Tested

DRILLER: CONTRACTOR'S TIME CO's. TIME

START	STOP	HRS.	WORK RECORD
			12 - 8 TOUR
8			Moving Rig ; Starting Camp ; taking inventory
			3 loads Junk to Pincher
			Rig first tank. Supply stock. Keyes Supply Stock, Drag, Forklift ; Cat - propane tank
			8 - 4 TOUR
			4 - 12 TOUR

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY No.	LENGTH	BIT RECORD BIT No.			
STANDS		SIZE			
SINGLE		MAKE			
D.C.'s		TYPE			
		SERIAL			
		JET SIZE			
		FROM			
		TO			
KELLY IN		FOOTAGE			
TOTAL		HRS.			
RAT HOLE TOP		COND.			

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	R Henley	14
DERRICK	R Abrams	14
MOTORMAN	M Karpiuk	14
FLOORMAN	T. Hanson	14
FLOORMAN	B Burton	14
FIREMAN		

REMARKS AND INJURIES:

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	P St Clemens	16
DERRICK		
MOTORMAN	G Gibson	16
FLOORMAN	G Gilbert	16
FIREMAN	M Schuyman	16

REMARKS AND INJURIES:

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: [signature] APPROVED: _____

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE April 4/71

No. 120 DAILY TIME SHEET 3-35 (REV. 1/68)

Well Mobil Home Rimes L-09

FIELD or AREA: Home Rimes WELL NAME & No. Mobil Home Rimes L-09 CONTRACTOR S+S Drilling (Western) Co Ltd RIG No. 1E No. 120

Approved _____ Date April 5/71

TIME	MUD RECORD WT.	VISC.	W.L.	F.C	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
2 A.M.										
4 A.M.										
6 A.M.										
8 A.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
10 A.M.										
NOON										
2 P.M.										
4 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
6 P.M.										
8 P.M.										
10 P.M.										
12 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

WORK RECORD — 12 - 8 TOUR

START	STOP	HRS.

BOP Tested

DRILLER: CONTRACTOR'S TIME CO's. TIME

START	STOP	HRS.
7:00	11:00	16

Moving Rig + Camp
10 Loads Loaded & Rimes

Kitchen Camp Shop and Kerosene Tank
Water tank Doghouse + Water tank Camp and
Fuel Tank Pump House Rack Light plant + Camp
Supply shack

BOP Tested

DRILLER: CONTRACTOR'S TIME CO's. TIME

4 - 12 TOUR

BOP Tested

DRILLER: CONTRACTOR'S TIME CO's. TIME

8 - 4 TOUR

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY

No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
	KELLY IN	
	TOTAL	
	RAT HOLE TOP	

BIT RECORD

BIT No.	
SIZE	
MAKE	
TYPE	
SERIAL	
JET SIZE	
FROM	
TO	
FOOTAGE	
HRS.	
COND.	

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	R HEULEY	16
DERRICK	R. ALEXIUS	16
MOTORMAN	M KARPIUK	16
FLOORMAN	T. HANSON	16
FLOORMAN	B BUATNIK	16
FIREMAN		

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY

No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
	KELLY IN	
	TOTAL	
	RAT HOLE TOP	

BIT RECORD

BIT No.	
SIZE	
MAKE	
TYPE	
SERIAL	
JET SIZE	
FROM	
TO	
FOOTAGE	
HRS.	
COND.	

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	P Clemens	16
DERRICK		
MOTORMAN	J Tubilcon	16
FLOORMAN	O Hjelset	16
FLOORMAN	M Shumyk	17
FIREMAN		

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY

No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
	KELLY IN	
	TOTAL	
	RAT HOLE TOP	

BIT RECORD

BIT No.	
SIZE	
MAKE	
TYPE	
SERIAL	
JET SIZE	
FROM	
TO	
FOOTAGE	
HRS.	
COND.	

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: B Galaya APPROVED: R Heulett

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE April 3/71

No. 119 DAILY TIME SHEET 3-35 (REV. 1/68)

FIELD or AREA: Horne River WELL NAME & No. Imperial Horne River L-09 CONTRACTOR S-T Drilling (Western) Ltd. RIG No. 15

No. 119

Well Imperial Horne River L-09

Approved _____ Date April 3/71

TIME	MUD RECORD WT.	VISC.	W.L.	F.C	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
2 A.M.										
4 A.M.										
6 A.M.										
8 A.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND

	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
10 A.M.										
NOON										
2 P.M.										
4 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND

	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
6 P.M.										
8 P.M.										
10 P.M.										
12 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

START	STOP	HRS.	WORK RECORD 12 - 8 TOUR

BOP Tested

DRILLER: CONTRACTOR'S TIME CO's. TIME

START	STOP	HRS.	8 - 4 TOUR
			Spudding Rig
			Tools Landed to River
			1 Pump, Mixer, Skid oil mud & Cement pallet, Toolpusher Trailer, Engineers Shack
			ONE PIPE SLOP. 4 SPIDERS.

BOP Tested

DRILLER: CONTRACTOR'S TIME CC's. TIME

START	STOP	HRS.	4 - 12 TOUR

BOP Tested

DRILLER: CONTRACTOR'S TIME CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY No.		LENGTH	BIT RECORD BIT No.			
	STANDS		SIZE			
	SINGLE		MAKE			
	D.C.'s		TYPE			
			SERIAL			
			JET SIZE			
			FROM			
			TO			
KELLY IN			FOOTAGE			
TOTAL			HRS.			
RAT HOLE TOP			COND.			

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	R HENLEY	16
DERRICK	K ALCORN	16
MOTORMAN	K KARPIUK	16
FLOORMAN	T HANSEN	16
FLOORMAN	B PANTUK	16
FIREMAN		

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY No.		LENGTH	BIT RECORD BIT No.			
	STANDS		SIZE			
	SINGLE		MAKE			
	D.C.'s		TYPE			
			SERIAL			
			JET SIZE			
			FROM			
			TO			
KELLY IN			FOOTAGE			
TOTAL			HRS.			
RAT HOLE TOP			COND.			

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	P Clemens	12
DERRICK		
MOTORMAN	J. Wilson	12
FLOORMAN	P Hebert	12
FLOORMAN	M Schampagne	12
FIREMAN		

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY No.		LENGTH	BIT RECORD BIT No.			
	STANDS		SIZE			
	SINGLE		MAKE			
	D.C.'s		TYPE			
			SERIAL			
			JET SIZE			
			FROM			
			TO			
KELLY IN			FOOTAGE			
TOTAL			HRS.			
RAT HOLE TOP			COND.			

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: _____ APPROVED: _____

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE April 12/71

No. 118 DAILY TIME SHEET 3-35 (REV. 1/68)

FIELD or AREA: Horne River WELL NAME & No. Mobil Horne River L-09 CONTRACTOR 5-T Drilling (Western) Co Ltd RIG No. 118

Well Mobil Horne River L-09

Approved _____ Date April 12/71

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
2 A.M.										
4 A.M.										
6 A.M.										
8 A.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
10 A.M.										
NOON										
2 P.M.										
4 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
6 P.M.										
8 P.M.										
10 P.M.										
12 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

WORK RECORD

12 - 8 TOUR

START	STOP	HRS.

BOP Tested

DRILLER: CONTRACTOR'S TIME CO's. TIME

START	STOP	HRS.
8:00	6:00	12

Moving Rig

6 Loads Failed to Horne

Scrapers, Derrick, Matting, BOP

Supply Shack & Mud House, Walkway

Sub Structure

8 - 4 TOUR

BOP Tested

DRILLER: CONTRACTOR'S TIME CO's. TIME

START	STOP	HRS.

4 - 12 TOUR

BOP Tested

DRILLER: CONTRACTOR'S TIME CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY No.		LENGTH	BIT RECORD BIT No.			
	STANDS		SIZE			
	SINGLE		MAKE			
	D.C.'s		TYPE			
			SERIAL			
			JET SIZE			
			FROM			
			TO			
KELLY IN			FOOTAGE			
TOTAL			HRS.			
RAT HOLE TOP			COND.			

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	K HENLEY	16
DERRICK	K ARENIUS	12
MOTORMAN	M KNOPINK	12
FLOORMAN	T HARRISON	16
FLOORMAN	B BURTNIK	12
FIREMAN		

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY No.		LENGTH	BIT RECORD BIT No.			
	STANDS		SIZE			
	SINGLE		MAKE			
	D.C.'s		TYPE			
			SERIAL			
			JET SIZE			
			FROM			
			TO			
KELLY IN			FOOTAGE			
TOTAL			HRS.			
RAT HOLE TOP			COND.			

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	R.L. ARENIUS	12
DERRICK		
MOTORMAN	T WILSON	12
FLOORMAN	G. HIEBERT	12
FLOORMAN	M. SCHAMPHORST	12
FIREMAN		

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY No.		LENGTH	BIT RECORD BIT No.			
	STANDS		SIZE			
	SINGLE		MAKE			
	D.C.'s		TYPE			
			SERIAL			
			JET SIZE			
			FROM			
			TO			
KELLY IN			FOOTAGE			
TOTAL			HRS.			
RAT HOLE TOP			COND.			

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: K Helgason APPROVED: Howell

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE April 11/71

No. 117 DAILY TIME SHEET 3-35 (REV. 1 1/68)

FIELD or AREA: Home River WELL NAME & No. Mobil Home River 4-09 CONTRACTOR Sutherland Drilling (Saskatoon) Co. Ltd. RIG No. 7

No. 117

Well Mobil Home River 4-09

Approved _____ Date April 11/71

TIME	MUD RECORD WT.	VISC.	W.L.	F.C	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
2 A.M.										
4 A.M.										
6 A.M.										
8 A.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND

START	STOP	HRS.

WORK RECORD 12-8 TOUR

SHUT DOWN #1 BOILER 8 a.m. APRIL 11/71

BOP Tested

DRILLER: CONTRACTOR'S TIME CO's. TIME

TIME	MUD RECORD WT.	VISC.	W.L.	F.C	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
10 A.M.										
NOON										
2 P.M.										
4 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND

START	STOP	HRS.
8 a.m.	4 p.m.	8

8-4 TOUR

Dismount Skidding Rig

5 Trucks Loaded Equipment

Sch. Hydraulic Equipment, Light plant, Bunk house, Mud tank, LIGHT PLANT K380 Pump

BOP Tested

DRILLER: D. Atkinson CONTRACTOR'S TIME CO's. TIME

TIME	MUD RECORD WT.	VISC.	W.L.	F.C	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
6 P.M.										
8 P.M.										
10 P.M.										
12 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

START	STOP	HRS.

4-12 TOUR

BOP Tested

DRILLER: CONTRACTOR'S TIME CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY

No.	LENGTH
STANDS	
SINGLE	
D.C.'s	
KELLY IN	
TOTAL	
RAT HOLE TOP	

BIT RECORD

BIT No.				
SIZE				
MAKE				
TYPE				
SERIAL				
JET SIZE				
FROM				
TO				
FOOTAGE				
HRS.				
COND.				

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	K. Henley	16
DERRICK	K. Helms	12
MOTORMAN	A. Kuryluk	12
FLOORMAN	T. Hanson	16
FLOORMAN	E. Bentrude	12
FIREMAN		

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY

No.	LENGTH
STANDS	
SINGLE	
D.C.'s	
KELLY IN	
TOTAL	
RAT HOLE TOP	

BIT RECORD

BIT No.				
SIZE				
MAKE				
TYPE				
SERIAL				
JET SIZE				
FROM				
TO				
FOOTAGE				
HRS.				
COND.				

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	D. Atkinson	13
DERRICK		
MOTORMAN	J. Callihoo	13
FLOORMAN	D. Hoback	12
FLOORMAN	A. Schepanowski	12
FIREMAN		

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY

No.	LENGTH
STANDS	
SINGLE	
D.C.'s	
KELLY IN	
TOTAL	
RAT HOLE TOP	

BIT RECORD

BIT No.				
SIZE				
MAKE				
TYPE				
SERIAL				
JET SIZE				
FROM				
TO				
FOOTAGE				
HRS.				
COND.				

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: J.B. Gulenay APPROVED: [signature]

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE April 9/71

No. ____ DAILY TIME SHEET 3-35 (REV. 1 1/68)

FIELD or AREA: Hume River WELL NAME & No. Mobil Hume River A-09 CONTRACTOR S+T Drilling (Western) Co. Ltd RIG No. 16 No. 1E

Well Mobil Hume River A-09

Approved ____ Date April 10/71

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEVIATION DEG.
2 A.M.										
4 A.M.										
6 A.M.										
8 A.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEVIATION DEG.
10 A.M.										
NOON										
2 P.M.										
4 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEVIATION DEG.
6 P.M.										
8 P.M.										
10 P.M.										
12 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

WORK RECORD

START	STOP	HRS.	

BOP Tested

DRILLER: K. Hanley CONTRACTOR'S TIME CO's. TIME

12 - 8 TOUR

START	STOP	HRS.	
8:00	600	12	Teasing out 3 Storing Rig.
			Layed down drillpipe 1pm.
			6 loads loaded to pipers
			3 pipe Racks 1 Mud tank
			65 Equipment + Cat Walk
			SHUT DOWN * 2 BOILER.
			1500 hrs. April 10/71

BOP Tested

DRILLER: K. Hanley CONTRACTOR'S TIME CO's. TIME

8 - 4 TOUR

START	STOP	HRS.	

BOP Tested

DRILLER: CONTRACTOR'S TIME CO's. TIME

4 - 12 TOUR

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
	KELLY IN	
	TOTAL	
	RAT HOLE TOP	

BIT RECORD			
BIT No.			
SIZE			
MAKE			
TYPE			
SERIAL			
JET SIZE			
FROM			
TO			
FOOTAGE			
HRS.			
COND.			

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	K Hanley	16
DERRICK	K Stevens	12
MOTORMAN	M Warpnuk	12
FLOORMAN	T Hanson	16
FLOORMAN	E Gartnik	12
FIREMAN		

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
	KELLY IN	
	TOTAL	
	RAT HOLE TOP	

BIT RECORD			
BIT No.			
SIZE			
MAKE			
TYPE			
SERIAL			
JET SIZE			
FROM			
TO			
FOOTAGE			
HRS.			
COND.			

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	G Stevens	12
DERRICK		
MOTORMAN	J Wilson	12
FLOORMAN	D Hebert	12
FLOORMAN	J Schampyn	12
FIREMAN		

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
	KELLY IN	
	TOTAL	
	RAT HOLE TOP	

BIT RECORD			
BIT No.			
SIZE			
MAKE			
TYPE			
SERIAL			
JET SIZE			
FROM			
TO			
FOOTAGE			
HRS.			
COND.			

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: ____ PSI. MIN. ____ FORMATION TESTED ____ PSI. MIN. ____ EQUIPMENT FAILURES ____ TIME LOST ____

RIG FUEL CONSUMPTION ____ GALS BOILER FUEL CONSUMPTION ____ GALS WIRELINE TON MILE ____ TOOL PUSHER: R Galaya APPROVED: K Newell

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE April 9-71

No. 115 DAILY TIME SHEET 3-35 (REV. 1/68)

FIELD or AREA: Hume River NWT WELL NAME & No. Mobil Hume River CONTRACTOR SAT. WESTERN CAN LTD. RIG No. 1E No. 115

Well Mobil Oil Hume River L-09

Approved _____ Date April 9-71

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
2 A.M.										
4 A.M.										
6 A.M.										
8 A.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
10 A.M.										
NOON										
2 P.M.										
4 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
6 P.M.										
8 P.M.										
10 P.M.										
12 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

WORK RECORD

12 - 8 TOUR

START	STOP	HRS.	
1200	1400	4	W.O.P
1400	500	1	RUN IN & FELT Plug @ 4100'
500	900	3	LAYING DOWN Pipe & Collars

Used 900 gallons

1 JOINT FLEX PIPE DAMAGED Rot.

BOP Tested X DRILLER: Tom Savill CONTRACTOR'S TIME CO's. TIME

8 - 4 TOUR

START	STOP	HRS.	
800			TEAR OUT BOPS CUT OFF CASING BOWL 3' BELOW GRD LEVEL & CEMENT W/ 5 SAK CEMENT & WELD ON PLATE CEMENT
	400	8	MOUSE HOLE & RAT HOLE
400	1200	8	TEAR OUT.

HAULED 3800 GALS FUEL.

4.00 Hrs

Hauled 6/71

BOP Tested DRILLER: CONTRACTOR'S TIME CO's. TIME

4 - 12 TOUR

START	STOP	HRS.	
400	1200	8	TEAR OUT.

BOP Tested DRILLER: CONTRACTOR'S TIME CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY

No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
	KELLY IN	
	TOTAL	
	RAT HOLE TOP	

BIT RECORD

BIT No.	
SIZE	
MAKE	
TYPE	
SERIAL	
JET SIZE	
FROM	
TO	
FOOTAGE	
HRS.	
COND.	

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	Ron Saville	8 T 8
DERRICK	C. Campbell	8 T 8
MOTORMAN	K. Wilson	8 T 8
FLOORMAN	L. Johnson	8 T 8
FLOORMAN	B. Teasychuk	8 T 8
FIREMAN		

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY

No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
	KELLY IN	
	TOTAL	
	RAT HOLE TOP	

BIT RECORD

BIT No.	
SIZE	
MAKE	
TYPE	
SERIAL	
JET SIZE	
FROM	
TO	
FOOTAGE	
HRS.	
COND.	

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	R. Hedley	16
DERRICK	R. Alexis Jr.	16
MOTORMAN	M. Karpiuk	16
FLOORMAN	T. Hanson	16
FLOORMAN	B. Burtnik	16
FIREMAN		

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY

No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
	KELLY IN	
	TOTAL	
	RAT HOLE TOP	

BIT RECORD

BIT No.	
SIZE	
MAKE	
TYPE	
SERIAL	
JET SIZE	
FROM	
TO	
FOOTAGE	
HRS.	
COND.	

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER	G. Alexis	8 T 8
DERRICK		
MOTORMAN	J. Wilson	8 T 8
FLOORMAN	G. Hiebert	8 T 8
FLOORMAN	M. Schmidt	8 T 8
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: L. Wiebben APPROVED: [signature]

Mobil Oil Canada, Ltd.
DAILY DRILLING REPORT

DATE April 8- 71

No. 114 DAILY TIME SHEET 3-35 (REV. 1/68)

FIELD or AREA: Hume River N.W.T. WELL NAME & No. Mobil Hume River L-09 CONTRACTOR S&T. WESTERN Co. LTD. RIG No. 1E No. 114

Well Mobil Oil Hume River L-09

Approved _____ Date April 8-71

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
2 A.M.										
4 A.M.										
6 A.M.										
8 A.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND

START	STOP	HRS.	WORK RECORD 12-8 TOUR
12:00	1:15	1¼	TRIP OUT TO RUN TEST. Pulled out 48 STANDS
1:15	1:30	¼	SEE Rig + Blind RAMS + Layed Down Bottom STANDS
1:30	3:00	1½	MAKE up Testing Tools DST #5.
3:00	5:00	2	RUNNING w/DST #5
5:00	8:00	3	HEAD up + TEST.

Fuel @ 7AM 1500 gallons
Fuel used April 7th - 850 gallons

LEFT 34 JTS of 4" DP + 16 JTS of 4" FLEX DP. IN HOLE
ONE JT of 4" DP DAMAGED BACKING OFF. FISH

BOP Tested @ DRILLER: Ron Smith CONTRACTOR'S TIME CO's. TIME

START	STOP	HRS.	8-4 TOUR
8:00	11:30	3½	D.S.T. #5
11:30	2:00	2½	PULL DST #5 SLOW
2:00	3:00	1	LAY down Testing Tools
3:00	4:00	1	W.O.O.

TESTED OFF TOP OF FISH @ 4524'

D.S.T #5

I.H.	2230.
IST	200.
TF	30
F.F	30
FSI	610
FH	2110.

D.S.T. #5. 4507-5690 Times - 30-60-180-180
RECOVERED 40' DRILLING MUD.

BOP Tested DRILLER: R. Henley CONTRACTOR'S TIME CO's. TIME

START	STOP	HRS.	4-12 TOUR
4:00	5:45	1¾	Run in 20 STands + Lay down
5:45	7:00	1¼	W.O.O.
7:00	8:00	1	Run in Turun Plug #4
8:00	9:00	1	RUN Plug #4 @ 4524' To 4050 (104 SACKS)
9:00	10:00	1	PULL out + W.O.C
10:00	12:00	2	W.O.C

BOP Tested DRILLER: Ron CONTRACTOR'S TIME CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY No.	LENGTH
69 STANDS	IN DERICK
SINGLE	
D.C.'s	
WT	
KELLY IN	
TOTAL	
RAT HOLE TOP	

BIT RECORD: BIT No. | SIZE | MAKE | TYPE | SERIAL | JET SIZE | FROM | TO | FOOTAGE | HRS. | COND.

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	Ron Smith	12
DERRICK	C. Campbell	12
MOTORMAN	K. Wilson	12
FLOORMAN	L. Johnson	12
FLOORMAN	B. Tonesychuk	12
FIREMAN		

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY No.	LENGTH
69 STANDS	in Derick
SINGLE	
D.C.'s	
KELLY IN	
TOTAL	
RAT HOLE TOP	

BIT RECORD: BIT No. | SIZE | MAKE | TYPE | SERIAL | JET SIZE | FROM | TO | FOOTAGE | HRS. | COND.

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	P. Henley	12
DERRICK	P. Alexius	12
MOTORMAN	M. Kupnik	12
FLOORMAN	T. Hansen	12
FLOORMAN	B. Bulmk	12
FIREMAN		

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY No.	LENGTH
41 STANDS	in Derick
SINGLE	
D.C.'s	
KELLY IN	
TOTAL	
RAT HOLE TOP	

BIT RECORD: BIT No. | SIZE | MAKE | TYPE | SERIAL | JET SIZE | FROM | TO | FOOTAGE | HRS. | COND.

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
10 A.M.										
NOON										
2 P.M.										
4 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND

	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
6 P.M.										
8 P.M.										
10 P.M.										
12 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS. BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER R. H. Webber APPROVED: [signature]

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE April 7-71

No. 113 DAILY TIME SHEET 3-35 (REV. 1/68)

FIELD or AREA: Home River NWT WELL NAME & No. Mobil Oil Home River 2-09 CONTRACTOR Sgt. Western Co Ltd. RIG No. 1E

No. 113

Well Mobil Oil Home River 2-09

Approved _____ Date April 7-71

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
2 A.M.										
4 A.M.										
6 A.M.										
8 A.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND

START	STOP	HRS.	WORK RECORD 12-8 TOUR
1200	1245	3/4	Run in w/ DST #4
1245	2.30	1 1/4	Make up + Testing
2.30	6.45	4 1/4	Hoist out DST #4 (42 Wet Stands)
6.45	8.00	1 1/4	Service + Laydown Testing Tools

Fuel @ 7AM. 2350 gallons

Fuel used April 6- 550 gals.

BOP Tested

DRILLER: Ron Smith CONTRACTOR'S TIME CO's. TIME

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
10 A.M.										
NOON										
2 P.M.										
4 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND

START	STOP	HRS.	8-4 TOUR
8.00	8.45	3/4	Layed Down Schlumberger Tools
8.45	11.00	2 1/4	Run in Open End
11.00	1.00	2	Circ + Wlb.
1.00	2.00	1	Run Plug #2 @ 7634
2.00	3.00	1	Pull 17 Stands.
3.00	4.00	1	Run Plug #3 @ 5950

Plug #2. 7638-7100 - 100 Sacks. Plug Down @ 3:00 Pm

Plug #3. 5950-5450 - 125 Sacks.

BOP Tested

DRILLER: R. Hanby CONTRACTOR'S TIME CO's. TIME

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
6 P.M.										
8 P.M.										
10 P.M.										
12 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

START	STOP	HRS.	4-12 TOUR
~~Stuck~~	~~in hole~~	~~P~~	
4.00			Stuck in Plug #3 Rigging up Fishing Tools
	11.00	7	Run in w/ Free point Finder + Back off Pipe @ 4524'
11.00	11.30	1/2	Circ. Cond Mud To Trip
11.30	12.00	1/2	Rig out Schlumberger.

BOP Tested

DRILLER: Ron Smith CONTRACTOR'S TIME CO's. TIME

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES: _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: L H Wilson APPROVED: [signature]

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY

No.		LENGTH
80	STANDS	
	SINGLE	
3.	D.C.'s	

BIT RECORD

BIT No.	
SIZE	
MAKE	
TYPE	
SERIAL	
JET SIZE	
FROM	
TO	
FOOTAGE	
HRS.	
COND.	

KELLY IN

TOTAL

RAT HOLE TOP

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	Ron Smith	12
DERRICK	C. Campbell	12
MOTORMAN	K. Wilson	12
FLOORMAN	L. Johnson	12
FLOORMAN	B. Teodosychuk	12
FIREMAN		

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY

No.		LENGTH
81	STANDS	
	SINGLE	
	D.C.'s	

BIT RECORD

BIT No.	
SIZE	
MAKE	
TYPE	
SERIAL	
JET SIZE	
FROM	
TO	
FOOTAGE	
HRS.	
COND.	

KELLY IN

TOTAL

RAT HOLE TOP

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	R. Hanby	12
DERRICK	K. Allen-Ms	12
MOTORMAN	M. Kacprzyk	12
FLOORMAN	T. Hanson	12
FLOORMAN	B. Burton	12
FIREMAN		

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY

No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	

BIT RECORD

BIT No.	
SIZE	
MAKE	
TYPE	
SERIAL	
JET SIZE	
FROM	
TO	
FOOTAGE	
HRS.	
COND.	

KELLY IN

TOTAL

RAT HOLE TOP

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

MOBIL OIL CANADA, LTD.
DRILL STEM TEST REPORT

3-37 (REV. 4/67)

WELL NAME Mobil Home Kuee L-09 LOCATION LS ___, SEC ___, TWP ___, RGE ___, W ___ M
DATE Apr 2/71 TEST NO. 4 INTERVAL FROM 7623 TO 7864 KB

TESTING COMPANY DST OPERATOR ___
TYPE OF TOOL ___ CHOKE SIZE 1/2
STRING DATA JARS Hydraulic
DRILLING STRING TOTAL 7573 FT.

LAY DOWN		PICK UP		
DOWN ON KELLY	10	TAIL PIPE	15	
DRILL COLLARS		INTERVAL		PICKUP
SUBS		SUBS		LESS LAY DOWN
STANDS		TEST TOOL	25	STICK UP
SINGLES		SINGLES		MEASURED
OTHERS		OTHERS		STICK UP
TOTAL		TOTAL		

TOP PACKER TYPE AND SIZE Conventional 5 1/2"
BOTTOM PACKER TYPE AND SIZE ___

HOLE DATA
9 5/8 "CASING TO 756
7 "CASING TO 5282
"CASING TO ___
6 1/8 "HOLE TO 7625
"HOLE TO ___

MUD
WT 10.4 /GAL
VISC 57 SEC/QT
WL ___ CC/30 MIN
GEL ___ INITIAL
LOST CIRC MATERIAL YES NO
TYPE ___

CUSHION
TYPE ___
VOLUME ___
PRESSURE ___

DRILL PIPE
4 "O.D. 11.85 LBS/FT
DRILL COLLARS
___ FT ___ "BORE
BOTTOM OF RUBBER
AT 7623 KB
INTERVAL TESTED
241 FEET
PERFORATIONS
14 FEET
RECORDER DEPTH
7608 KB
TOP OF RUBBER
AT ___ KB
RECORDER DEPTH
___ KB
___ FEET
TOTAL DEPTH 7636 KB
FORMATION TESTED Keg River
STRADDLE BY PASS USED YES NO
ANCHOR WEIGHT ___
STRING WEIGHT 60M
PACKER SET WITH 30M LBS.

			PRESSURE 1	PRESSURE 2
START IN	9:45 AM/PM	INITIAL OPEN 12:55 AM/PM	___ MIN 580	___ PSIG
ON BOTTOM	1:16 AM/PM	INITIAL SHUT IN ___ AM/PM	___ MIN ___	___ PSIG
PULLED LOOSE	2:30 AM/PM	TOOL OPEN ___ AM/PM	___ MIN ___	___ PSIG
OUT OF HOLE	6:45 AM/PM	TOOL CLOSED 2:55 AM/PM	___ MIN ___	___ PSIG
		FINAL SHUT IN ___	1700	___ PSIG
		HYDROSTATIC HEAD	4650 F	4650 PSIG

RECOVERY TOTAL 4000 FT CUSHION ___ FT NET ___ FT OIL ___ FT WATER 4000 FT
MUD ___ FT FLOWING RATE ___ BBLS/HR Muddy water 66°

GAS RATES

	TIME	RISER OD	PITOT	SIDE STATIC	MCF/DAY
1					
2	Surface Readings Top = 91,000				
3	Bottom = 100,000				
4					

DEPT. OF INDIAN AFFAIRS & NORTHERN DEVELOPMENT OIL & MINERALS DIVISION APR 23 1971 9945 JASPER ST. ALBERTA CONSERVATION BRANCH

REMARKS DESCRIBE RECOVERY FULLY AND NOTE AT WHAT POINT THE SAMPLES WERE TAKEN
Top of Fish - 7638 Hole open below fish to 7864
Tested ok Top of Fish
Tool opened and left open due to hole conditions
40 mins.

SIGNATURE [signature]
DATE Apr 6/71

NOTE DISTRIBUTION: WHITE COPY - FORWARD TO AREA WELL FILE / YELLOW COPY - FORWARD TO DIVISION WELL FILES / PINK COPY - FORWARD TO CONSERVATION BOARD

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE April 6-71 No. 112

No. 112 DAILY TIME SHEET 3-35 (REV. 1/68)

Well Mobil Oil Home River 1-09

Approved _____ Date April 6-71

FIELD or AREA ~~Home River~~ NWT WELL NAME & No. Mobil Oil Home River 1-09 CONTRACTOR SET. Western Co. LTD. RIG No. 1E

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
2 A.M.										
4 A.M.										
6 A.M.										
8 A.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
10 A.M.										
NOON										
2 P.M.										
4 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
6 P.M.										
8 P.M.										
10 P.M.										
12 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

WORK RECORD — 12 - 8 TOUR

START	STOP	HRS.	
12⁰⁰			Run in w/ Freepoint Finder.
			Backed off
			String Wt. 80M
	8⁰⁰	8	Run in To Find Backoff Depth
			Fuel on Hand 2900 gallon
			April 5th used 600 gallons.

BOP Tested DRILLER: Ron Smith CONTRACTOR'S TIME CO's. TIME

8 - 4 TOUR

START	STOP	HRS.	
8⁰⁰	9⁰⁰	1	Pull out Fishing Tool
9⁰⁰	12³⁰	3½	Trip out - SL in x Torque all Joint.
12³⁰	1³⁰	1	Picked up 3 DC x Jars Make up B.I.
1³⁰	4⁰⁰	2½	Run in W/ Bit
			LEFT IS DC + All TEST TOOLS IN HOLE (Fish)
			1/1. off Flex with Pin is Damage

BOP Tested DRILLER: R. Henley CONTRACTOR'S TIME CO's. TIME

4 - 12 TOUR

START	STOP	HRS.	
4⁰⁰	4³⁰	½	Broke Circ x Tag Bottom.
4³⁰	6⁰⁰	1½	Circ
6⁰⁰	9⁴⁵	2¾	Trip out f. Run Test
9⁴⁵	9⁶⁰	¼	See Rig √ Blind Rams
9⁶⁰	7⁴⁵	¾	Pick up DST #4 x make up.
7⁴⁵	12⁰⁰	2¼	Run in w DST #4

BOP Tested √ DRILLER: Ron Smith CONTRACTOR'S TIME CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
KELLY IN		
TOTAL		
RAT HOLE TOP		

BIT RECORD					
BIT No.					
SIZE					
MAKE					
TYPE					
SERIAL					
JET SIZE					
FROM					
TO					
FOOTAGE					
HRS.					
COND.					

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	Ron Smith	12
DERRICK	C. Campbell	12
MOTORMAN	K. Wilson	12
FLOORMAN	L. Johnson	12
FLOORMAN	B. Tocoychuk	12
FIREMAN		

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
KELLY IN		
TOTAL		
RAT HOLE TOP		

BIT RECORD					
BIT No.					
SIZE					
MAKE					
TYPE					
SERIAL					
JET SIZE					
FROM					
TO					
FOOTAGE					
HRS.					
COND.					

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	R. Henley	12
DERRICK	R. Alexius	12
MOTORMAN	M. Kopiak	12
FLOORMAN	T. Hanson	12
FLOORMAN	B. Bartnik	12
FIREMAN		

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
KELLY IN		
TOTAL		
RAT HOLE TOP		

BIT RECORD					
BIT No.					
SIZE					
MAKE					
TYPE					
SERIAL					
JET SIZE					
FROM					
TO					
FOOTAGE					
HRS.					
COND.					

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES L. H. Welder TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: _____ APPROVED: _____

MOBIL OIL CANADA, LTD.
DRILL STEM TEST REPORT

3-37 (REV. 4/67)

WELL NAME Mobil Hume Tolek L-09 LOCATION LS ___, SEC ___, TWP ___, RGE ___, W_ M
DATE April 5/71 TEST NO. 5 INTERVAL FROM 4507 TO 5690 KB

TESTING COMPANY E.T.S. OPERATOR
TYPE OF TOOL F.J.U. CHOKE SIZE 1/2"

STRING DATA JARS Smith
DRILLING STRING TOTAL ___ FT.

LAY DOWN		PICK UP			
DOWN ON KELLY	45'	TAIL PIPE	17		
DRILL COLLARS	___	INTERVAL	___	PICKUP	___
SUBS	___	SUBS	___	LESS LAY DOWN	___
STANDS	___	TEST TOOL	6.11'	STICK UP	___
SINGLES	___	SINGLES	___	MEASURED	
OTHERS	___	OTHERS	___	STICK UP	30
TOTAL	___	TOTAL	___		

TOP PACKER TYPE AND SIZE Conv. 5 1/2"
BOTTOM PACKER TYPE AND SIZE ___

HOLE DATA	MUD	CUSHION
4 1/2" CASING TO 750	WT 10.3 /GAL	TYPE ___
7" CASING TO 5282	VISC 75 SEC/QT	VOLUME ___
___" CASING TO ___	WL 6.6 CC/30 MIN	PRESSURE ___
___" HOLE TO ___	GEL ___ INITIAL	
___" HOLE TO ___	LOST CIRC MATERIAL YES NO	
	TYPE ___	

DRILL PIPE 4" O.D. 11.85 LBS/FT
DRILL COLLARS 155 FT 3" BORE
BOTTOM OF RUBBER AT 4507 KB
INTERVAL TESTED ___ FEET
PERFORATIONS
12 FEET
RECORDER DEPTH 4518 KB
TOP OF RUBBER AT ___ KB
RECORDER DEPTH ___ KB
___ FEET
TOTAL DEPTH 4520 KB
FORMATION TESTED Hume
STRADDLE BY PASS USED YES NO
ANCHOR WEIGHT ___
STRING WEIGHT 42 m.
PACKER SET WITH 30M LBS.

			PRESSURE 1	PRESSURE 2
START IN 2:00 AM PM	INITIAL OPEN ___ AM PM	180 MIN	___	30 PSIG
ON BOTTOM 4:00 AM PM	INITIAL SHUT IN ___ AM PM	60 MIN	___	200 PSIG
PULLED LOOSE 11:30 AM PM	TOOL OPEN ___ AM PM	___ MIN	___	___ PSIG
OUT OF HOLE ___ AM PM	TOOL CLOSED ___ AM PM	180 MIN	___	610 PSIG
	FINAL SHUT IN ___		___	610 PSIG
	HYDROSTATIC HEAD ___ I	2230 F	___	2110 PSIG

RECOVERY TOTAL ___ FT CUSHION ___ FT MET ___ FT OIL ___ FT WATER ___ FT
MUD 40 FT FLOWING RATE ___ BBLS/HR

GAS RATES

	TIME	RISER OD	PITOT	SIDE STATIC	MCF/DAY
1					
2	Solidify	11,000 M.M. (Taken from W.L.)			
3					
4					

DEPT. OF INDIAN AFFAIRS & NORTHERN DEV. OIL & MINERAL DIVISION APR 23 1971

REMARKS DESCRIBE RECOVERY FULLY AND NOTE AT WHAT POINT THE SAMPLES WERE TAKEN
Test off fish @ 4520' Hole open to 5690'.

Weak initial puff dead in 15 mins. when released. Fair air blow for 10 mins. Dead for remainder of test.

SIGNATURE [signature]
DATE April 5/71

NOTE DISTRIBUTION: WHITE COPY - FORWARD TO AREA WELL FILE / YELLOW COPY - FORWARD TO DIVISION WELL FILES / PINK COPY - FORWARD TO CONSERVATION BOARD

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE April 5-71 No. 111 DAILY TIME SHEET 3-35 (REV 1/68)

Well Mobil Oil Hume River 2-09

FIELD or AREA: Hume River NWT WELL NAME & No. Mobil Hume River 2-09 CONTRACTOR S&T. Western Co. LTD. RIG No. 1E

Approved _____ Date April 5-71

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
2 A.M.										
4 A.M.										
6 A.M.										
8 A.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND

START	STOP	HRS.	WORK RECORD 12 - 8 TOUR
1200	2000	8	Rigging To Run Fishing Tools & Run in To Find Free point.
			2800 gallons Hauled From River April 5.
			@ 7:AM. Fuel on Hand 3,500 gallons

BOP Tested DRILLER: Ron Sawchuk CONTRACTOR'S TIME CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY No.	LENGTH	BIT RECORD BIT No.	SIZE	MAKE	TYPE	SERIAL	JET SIZE	FROM	TO
STANDS									
SINGLE									
D.C.'s									
KELLY IN		FOOTAGE							
TOTAL		HRS.							
RAT HOLE TOP		COND.							

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	Ron Sawchuk	12
DERRICK	C. Campbell	12
MOTORMAN	K. Wilson	12
FLOORMAN	L. Johnson	12
FLOORMAN	B Teposychuk	12
FIREMAN		

REMARKS AND INJURIES:

	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
10 A.M.										
NOON										
2 P.M.										
4 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND

START	STOP	HRS.	WORK RECORD 8 - 4 TOUR
800	1200	4	Fishing & Trying To Shoot Off DP Collar Top Test
			1 JT "H" DP COLLAPSED WHILE WORKING TORQUE IN PIPE TO BACK OFF L.H.W.J.
			L Lemieux

BOP Tested DRILLER: R. Hay CONTRACTOR'S TIME CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY No.	LENGTH	BIT RECORD BIT No.	SIZE	MAKE	TYPE	SERIAL	JET SIZE	FROM	TO
STANDS									
SINGLE									
D.C.'s									
KELLY IN		FOOTAGE							
TOTAL		HRS.							
RAT HOLE TOP		COND.							

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	R. Hayley	12
DERRICK		12
MOTORMAN	M. Kupchuk	12
FLOORMAN	[illegible]	
FLOORMAN	T Hogue	12
~~FIREMAN~~	B Burtak	13

REMARKS AND INJURIES:

	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
6 P.M.										
8 P.M.										
10 P.M.										
12 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

START	STOP	HRS.	WORK RECORD 4 - 12 TOUR
400	600	2	Fishing & Trying To Shoot Off DP Collar Top Test
600	900	3	WAIT ON ORDERS
900	1200	3	Pull out Fishing Tools & Work on Same Would not Work.

BOP Tested DRILLER: Ron Sawchuk CONTRACTOR'S TIME CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY No.	LENGTH	BIT RECORD BIT No.	SIZE	MAKE	TYPE	SERIAL	JET SIZE	FROM	TO
STANDS									
SINGLE									
D.C.'s									
KELLY IN		FOOTAGE							
TOTAL		HRS.							
RAT HOLE TOP		COND.							

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: R H Webber APPROVED: [signature]

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE April 1-71

No. 110 DAILY TIME SHEET 3-35 (REV. 1/68)

Well Mobil Oil Hume River 1-09

Approved _____ Date April 4-71

FIELD or AREA: Hume River N.WT WELL NAME & No. Mobil Hume River 1-09 CONTRACTOR Sat. Western. Co. LTD. RIG No. 1E No. 110

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
2 A.M.										
4 A.M.										
6 A.M.										
8 A.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
10 A.M.										
NOON										
2 P.M.										
4 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
6 P.M.										
8 P.M.										
10 P.M.										
12 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

WORK RECORD

12-8 TOUR

START	STOP	HRS.	
12:00	8:00	7	Work Stuck pipe Stuck w/ DST #3.

Fuel used April 3rd 423 gallon

Fuel on hand 1,900 gallons

BOP Tested DRILLER: Ron Smith CONTRACTOR'S TIME CO's. TIME

8-4 TOUR

START	STOP	HRS.	
8:00	4:00	8	Stuck in hole w/ DST #3 Work stuck pipe.

BOP Tested DRILLER: CONTRACTOR'S TIME CO's. TIME

4-12 TOUR

START	STOP	HRS.	
5:00			Stuck in hole w/ DST #3 Work stuck pipe
11:15	7:45	3/4	WAIT ON Fishing Tools
11:15	12:00	3/4	UNLOAD FISHING TOOLS OFF PLANE.

BOP Tested DRILLER: CONTRACTOR'S TIME CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
KELLY IN		
TOTAL		
RAT HOLE TOP		

BIT RECORD			
BIT No.			
SIZE			
MAKE			
TYPE			
SERIAL			
JET SIZE			
FROM			
TO			
FOOTAGE			
HRS.			
COND.			

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	Ron Smith	12
DERRICK	C. Campbell	12
MOTORMAN	K. Wilson	12
FLOORMAN	L. Johnson	12
FLOORMAN	B. Tomsychuk	12
FIREMAN		

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
KELLY IN		
TOTAL		
RAT HOLE TOP		

BIT RECORD			
BIT No.			
SIZE			
MAKE			
TYPE			
SERIAL			
JET SIZE			
FROM			
TO			
FOOTAGE			
HRS.			
COND.			

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	R. Healey	12
DERRICK	R. Alexius	12
MOTORMAN	M Kaspiuk	12
FLOORMAN	T. Hansen	12
FLOORMAN	B Burton	16
FIREMAN		

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
KELLY IN		
TOTAL		
RAT HOLE TOP		

BIT RECORD			
BIT No.			
SIZE			
MAKE			
TYPE			
SERIAL			
JET SIZE			
FROM			
TO			
FOOTAGE			
HRS.			
COND.			

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: [signature] APPROVED: [signature]

MOBIL OIL CANADA, LTD.
DRILL STEM TEST REPORT

3-37 (REV. 4/67)

WELL NAME Mobil Hunte River L-09 LOCATION LS ___, SEC ___, TWP ___, RGE ___, W_ M
DATE April 3/71 TEST NO. 3 INTERVAL FROM _____ TO _____ KB

TESTING COMPANY D.J. OPERATOR _____
TYPE OF TOOL Conv. CHOKE SIZE 1/2
STRING DATA JARS Johnson
DRILLING STRING TOTAL _____ FT.

LAY DOWN		PICK UP		
DOWN ON KELLY	10'	TAIL PIPE	360	
DRILL COLLARS	____	INTERVAL	____	PICKUP ____
SUBS	____	SUBS	____	LESS LAY DOWN ____
STANDS	____	TEST TOOL	6585	STICK UP ____
SINGLES	2	SINGLES	____	MEASURED
OTHERS	____	OTHERS	____	STICK UP ____
TOTAL	____	TOTAL	____	

TOP PACKER TYPE AND SIZE Conv. 5½"
BOTTOM PACKER TYPE AND SIZE _____

HOLE DATA
9⅝ "CASING TO 760
7 "CASING TO 5252
___ "CASING TO ____
6¼ "HOLE TO 8550
___ "HOLE TO ____

MUD
WT 10.5 /GAL
VISC 75 SEC/QT
WL 8.8 CC/30 MIN
GEL ____ INITIAL
LOST CIRC MATERIAL YES NO
TYPE ____

CUSHION
TYPE ____
VOLUME ____
PRESSURE ____

DRILL PIPE
4 "O.D. 11.85 LBS/FT
DRILL COLLARS
____ FT ____ "BORE
BOTTOM OF RUBBER
AT 7570 KB
INTERVAL TESTED
360 FEET
PERFORATIONS
RECORDER DEPTH
22 FEET
____ KB
TOP OF RUBBER
AT ____ KB
RECORDER DEPTH
____ KB
____ FEET
TOTAL DEPTH 7930 KB
FORMATION TESTED Kanang
STRADDLE BY PASS USED YES NO
ANCHOR WEIGHT ____
STRING WEIGHT 50M
PACKER SET WITH 3000 LBS.

			PRESSURE 1	PRESSURE 2
START IN	5:00 AM PM	INITIAL OPEN 8:05 AM PM	____ MIN	____ ____ PSIG
ON BOTTOM	8:00 AM PM	INITIAL SHUT IN ____ AM PM	____ MIN	____ ____ PSIG
PULLED LOOSE	____ AM PM	TOOL OPEN ____ AM PM	____ MIN	____ ____ PSIG
CUT OF HOLE	____ AM PM	TOOL CLOSED ____ AM PM	____ MIN	____ ____ PSIG
		FINAL SHUT IN ____	____	____ ____ PSIG
		HYDROSTATIC HEAD ____ I	____ F	____ ____ PSIG

RECOVERY TOTAL ____ FT CUSHION ____ FT NET ____ FT OIL ____ FT WATER ____ FT
MUD ____ FT FLOWING RATE ____ BBLS/HR
Pumped out by Reverse Circ. - 1000' Muddy Salt Water.

GAS RATES

	TIME	RISER OD	PITOT	SIDE STATIC	MCF/DAY
1					
2	Shunity	89,000	K.P.M.		
3					
4					

DEPT. OF INDIAN AFFAIRS & NORTHERN DEVELOPMENT
NORTHERN SERVICES
APR 23 1971

REMARKS DESCRIBE RECOVERY FULLY AND NOTE AT WHAT POINT THE SAMPLES WERE TAKEN
Good Air Blow on Tool Opening Remained Thruout Shut In Test. Did not Rotate Because of Hole Conditions No Pressures Recorded, Unable to Pull Tool Loose Because of Hole Conditions

SIGNATURE L. Flewell
DATE April 3/71

NOTE DISTRIBUTION: WHITE COPY - FORWARD TO AREA WELL FILE / YELLOW COPY - FORWARD TO DIVISION WELL FILES / PINK COPY - FORWARD TO CONSERVATION BOARD

Mobil Oil Canada, Ltd.
DAILY DRILLING REPORT

DATE April 3-71 — No 109 DAILY TIME SHEET 3-35 (REV. 11/68)

FIELD or AREA: Hume River NWT — WELL NAME & No Mobil Hume River L-09 — CONTRACTOR S&T. Western Co. LTD. — RIG No. 1E — No 109

Well Mobil Oil Hume River L-09 — Approved _____ — Date April 3-71

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
2 A.M.										
4 A.M.										
6 A.M.	10.3	50								
8 A.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND
250	UNI CAL
250	SUPER COL

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
10 A.M.										
NOON										
2 P.M.										
4 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
6 P.M.										
8 P.M.										
10 P.M.										
12 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

WORK RECORD — 12-8 TOUR

START	STOP	HRS.	
12:00	2:15	2¼	Trip out
2:15	2:30	¼	See. Rig & B.O.P.s
2:30	4:30	2	Trip in To 5200
4:30	5:30	1	Circulate Cond. Mud.
5:30	7:00	1½	Run in To 7717'
7:00	8:00	1	Clean out Bridge + Circ. Hole Clean @ 7717 To 7758'

Fuel 2523 gallons

April 2 Fuel used 1,212 gallons

BOP Tested ✓ DRILLER: Ron Smith CONTRACTOR'S TIME CO's. TIME

8-4 TOUR

START	STOP	HRS.	
8:00	11:00	3	Clean to Bottom 7754 To 8130.
11:00	12:30	1½	Circ. Hole Cond. mud
12:30	3:45	3¼	Trip out x layed 12 "singles
3:45	4:00	¼	Make up Test

BOP Tested DRILLER: R. Henley CONTRACTOR'S TIME CO's. TIME

4-12 TOUR

START	STOP	HRS.	
4:00	5:00	1	Make up Test
5:00	8:00	3	Run in w/ DST
9:00	9:45	1¾	Testing @
9:45	12:00	2¼	Stuck in hole w/ DST #3 Work Stuck Pipe

D.S.T #3. 7870 - 8130. B.H.T. 140. 90 mins Closed To Pull Loose. Stuck w/ Packer

BOP Tested DRILLER: Ron Cavill CONTRACTOR'S TIME CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY

No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
	KELLY IN	
	TOTAL	
	RAT HOLE TOP	

BIT RECORD

BIT No.	
SIZE	
MAKE	
TYPE	
SERIAL	
JET SIZE	
FROM	
TO	
FOOTAGE	
HRS.	
COND.	

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY

No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
	KELLY IN	
	TOTAL	
	RAT HOLE TOP	

BIT RECORD

BIT No.	11
SIZE	6" J
MAKE	HTC
TYPE	OWC
SERIAL	17899
JET SIZE	3-20
FROM	Perm. Cement 7758
TO	8130
FOOTAGE	372
HRS.	4
COND.	In

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY

No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
	KELLY IN	
	TOTAL	
	RAT HOLE TOP	

BIT RECORD

BIT No.	
SIZE	
MAKE	
TYPE	
SERIAL	
JET SIZE	
FROM	
TO	
FOOTAGE	
HRS.	
COND.	

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	Tom Savill	12
DERRICK	C. Campbell	12
MOTORMAN	K. Wilson	12
FLOORMAN	L. Johnson	12
FLOORMAN	B. Todosychuk	12
FIREMAN		

REMARKS AND INJURIES:

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	R. Henley	12
DERRICK	R. Alenius	12
MOTORMAN	M. Karpanuk	12
FLOORMAN	T. Hanson	12
FLOORMAN	P. Burlonik	12
FIREMAN		

REMARKS AND INJURIES:

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: R. H. Webber APPROVED: S. Newelling

MOBIL OIL CANADA, LTD.
DRILL STEM TEST REPORT

3-37 (REV. 4/67)

WELL NAME Mobil Hoare Ridge 2 LOCATION LS ___, SEC 8, TWP ___, RGE ___, W ___ M
DATE April 21 71 TEST NO. 2 INTERVAL FROM 8155 TO 8455 KB
TESTING COMPANY B J OPERATOR John
TYPE OF TOOL Conv. DST CHOKE SIZE 1/2
STRING DATA JARS John
DRILLING STRING TOTAL ___ FT.

LAY DOWN		PICK UP			
DOWN ON KELLY	14	TAIL PIPE			
DRILL COLLARS		INTERVAL	60	PICKUP	484
SUBS		SUBS		LESS LAY DOWN	454
STANDS	376	TEST TOOL	40	STICK UP	30
SINGLES	64	SINGLES		MEASURED	
OTHERS		OTHERS	344	STICK UP	
TOTAL	454	TOTAL	484		

TOP PACKER TYPE AND SIZE 5" Conventional
BOTTOM PACKER TYPE AND SIZE ___

DRILL PIPE 4" O.D. 11.85 LBS/FT
DRILL COLLARS ___ FT ___ "BORE
BOTTOM OF RUBBER AT 8176 KB
INTERVAL TESTED 354 FEET
PERFORATIONS 31 FEET
RECORDER DEPTH 8180 KB
TOP OF RUBBER AT ___ KB
RECORDER DEPTH 8230 KB
___ FEET
TOTAL DEPTH 8554 KB
FORMATION TESTED ___
STRADDLE BY PASS USED YES NO
ANCHOR WEIGHT ___
STRING WEIGHT 60
PACKER SET WITH 70 LBS.

HOLE DATA
9 7/8 "CASING TO 750
7 "CASING TO 5282
6 1/4 "CASING TO ___
6 1/4 "HOLE TO 8554
___ "HOLE TO ___

MUD
WT 11.6 /GAL
VISC 57 SEC/QT
WL 7.4 CC/30 MIN
GEL 16 INITIAL
LOST CIRC MATERIAL YES NO
TYPE ___

CUSHION
TYPE Nil
VOLUME ___
PRESSURE ___

			PRESSURE 1	PRESSURE 2
START IN ___ AM/PM	INITIAL OPEN	6:15 AM/PM	___ MIN 45	___ PSIG
ON BOTTOM 6 AM/PM	INITIAL SHUT IN	AM/PM	120 MIN 950	___ PSIG
PULLED LOOSE ___ AM/PM	TOOL OPEN	AM/PM	___ MIN ___	___ PSIG
OUT OF HOLE ___ AM/PM	TOOL CLOSED	8:15 AM/PM	120 MIN ___	___ PSIG
	FINAL SHUT IN		___ MIN ___	___ PSIG
	HYDROSTATIC HEAD	4270	3850 F ___	___ PSIG

RECOVERY TOTAL 2182 FT CUSHION ___ FT NET ___ FT OIL ___ FT WATER 1806 FT
MUD ___ FT FLOWING RATE ___ BBLS/HR Muddy water. 376'

GAS RATES

	TIME	RISER OD	PITOT	SIDE STATIC	MCF/DAY
1					
2	Salt	117,000	ppm	NACL	
3					
4					

DEPT. OF INDIAN AFFAIRS & NORTHERN DEVELOPMENT OIL & MINERAL DIVISION APR 28 1971 CALGARY 21, ALBERTA CONSERVATION BRANCH NORTHWEST TERRITORIES & YUKON

REMARKS DESCRIBE RECOVERY FULLY AND NOTE AT WHAT POINT THE SAMPLES WERE TAKEN
Tool open for flow test for 45 minutes. Had a weak blow of air throughout test. Pulled tool for reverse circulation. Tool plugged with sand. Unable to obtain fluid sample. TSTM.

SIGNATURE ___
DATE April 21 71

NOTE DISTRIBUTION: WHITE COPY - FORWARD TO AREA WELL FILE / YELLOW COPY - FORWARD TO DIVISION WELL FILES / PINK COPY - FORWARD TO CONSERVATION BOARD

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE April 2-71 — No 102 DAILY TIME SHEET 3-35 (REV. 1/68)

FIELD or AREA: Hume River N.W.T. — WELL NAME & No Mobil Hume Ruin 2-09 — CONTRACTOR S&T. Western Co. LTD — RIG No. 1E — No 102 — Well Mobil Hume River 2-09 — Approved — Date April 2-71

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
2 A.M.										
4 A.M.										
6 A.M.										
8 A.M.										

LINER SIZE: 5½ H STROKE

MUD & CHEMICALS

LBS. Added	KIND

START	STOP	HRS.	WORK RECORD 12-8 TOUR
0200	300	3	Break down Testing Tools & Service
300	600	3	Run in w/DST #2
600	800	2	Head up + Test

Fuel @ Rig 3735 gals
Fuel used April 1- 865 gals

DST #2 8295 = 8550. -35-5 Pt
Open Tool on Hydrolic Pro flow Bt flow:
for.

BOP Tested — DRILLER: Ron Scott — CONTRACTOR'S TIME — CO's. TIME

START	STOP	HRS.	8-4 TOUR
400	815	¼	DST
815	130	5¼	Pull Test Slow.
130	400	2½	Screw up Test x Lay-d Down x Loaded Plane

BOP Tested — DRILLER: — CONTRACTOR'S TIME — CO's. TIME

START	STOP	HRS.	4-12 TOUR
400	500	1	Loaded Dyna Drill x Mouse on Plane
500	800	3	Run in w/ Open End to Kill Plug
800	845	¾	Break Circulation Clean to Bottom
845	1000	1¼	Circulate x Condition Mud.
1000	1100	1	Run 90 sax Cement Plug from 8550 To
1100	1200	1	Pull up 6 stands Break Circulation x Pull out

BOP Tested — DRILLER Billie x Ron — CONTRACTOR'S TIME — CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	8550				
REAMED					
CORED					

TALLY

No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
	KELLY IN	
	TOTAL	
	RAT HOLE TOP	

BIT RECORD

BIT No.	
SIZE	
MAKE	
TYPE	
SERIAL	
JET SIZE	
FROM	
TO	
FOOTAGE	
HRS.	
COND.	

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	Ron Scott	12
DERRICK	C. Campbell	12
MOTORMAN	K. Wilson	12
FLOORMAN	L. Johnson	12
FLOORMAN	B. Todosychuk	12
FIREMAN		

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY

No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
	KELLY IN	
	TOTAL	
	RAT HOLE TOP	

BIT RECORD

BIT No.	
SIZE	
MAKE	
TYPE	
SERIAL	
JET SIZE	
FROM	
TO	
FOOTAGE	
HRS.	
COND.	

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	R. Henley	12
DERRICK	P. Alvenius	12
MOTORMAN	M. Karpiuk	12
FLOORMAN	T Hansen	12
FLOORMAN	B. Curtnik	12
FIREMAN		

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY

No.		LENGTH
90	STANDS	8536.43
2	SINGLE	
	D.C.'s	
	KELLY IN	1367
	TOTAL	8550.00
	RAT HOLE TOP	

BIT RECORD

BIT No.	
SIZE	
MAKE	
TYPE	
SERIAL	
JET SIZE	
FROM	
TO	
FOOTAGE	
HRS.	
COND.	

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
10 A.M.										
NOON										
2 P.M.										
4 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
6 P.M.										
8 P.M.										
10 P.M.										
12 P.M.										

LINER SIZE: 5x14 STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND
250	SUPERCAL		
250	UNICAL		

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: R. H. Webber APPROVED: [signature]

MOBIL OIL CANADA, LTD.
DRILL STEM TEST REPORT

3-37 (REV. 4/67)

WELL NAME Mobil Hume River LOCATION LS ___, SEC ___, TWP ___, RGE ___, W ___ M

DATE ___ TEST NO. ONE INTERVAL FROM 8200 TO 8550 KB

TESTING COMPANY BJ Service OPERATOR John Howard

TYPE OF TOOL H-O CHOKE SIZE ½

STRING DATA JARS YES

DRILLING STRING TOTAL ___ FT.

LAY DOWN		PICK UP			
DOWN ON KELLY	___	TAIL PIPE	___		
DRILL COLLARS	___	INTERVAL	___	PICKUP	___
SUBS	___	SUBS	___	LESS LAY DOWN	___
STANDS	___	TEST TOOL	___	STICK UP	___
SINGLES	___	SINGLES	___	MEASURED	
OTHERS	___	OTHERS	___	STICK UP	___
TOTAL	___	TOTAL	___		

TOP PACKER TYPE AND SIZE ___

BOTTOM PACKER TYPE AND SIZE ___

HOLE DATA	MUD	CUSHION
___ "CASING TO ___	WT ___ /GAL	TYPE ___
___ "CASING TO ___	VISC ___ SEC/QT	VOLUME ___
___ "CASING TO ___	WL ___ CC/30 MIN	PRESSURE ___
___ "HOLE TO ___	GEL ___ INITIAL	
___ "HOLE TO ___	LOST CIRC MATERIAL YES NO	
	TYPE ___	

				PRESSURE 1	PRESSURE 2
START IN	2.00 AM PM	INITIAL OPEN	4.40 AM PM	___ MIN	___ ___ PSIG
ON BOTTOM	4.30 AM PM	INITIAL SHUT IN	___ AM PM	___ MIN	___ ___ PSIG
PULLED LOOSE	7.45 AM PM	TOOL OPEN	[illegible] AM PM	80 MIN	___ ___ PSIG
OUT OF HOLE	___ AM PM	TOOL CLOSED	6.00 AM PM	___ MIN	___ ___ PSIG
		FINAL SHUT IN	___	___	___ ___ PSIG
		HYDROSTATIC HEAD	___ I	___ F	___ ___ PSIG

DRILL PIPE
4 "O.D. 12.92 LBS/FT

DRILL COLLARS
114 FT 2¾ "BORE

BOTTOM OF RUBBER
AT 8188 KB

INTERVAL TESTED
350 FEET

PERFORATIONS

RECORDER DEPTH
27 FEET
___ KB

TOP OF RUBBER
AT 8200 KB

RECORDER DEPTH
___ KB

350 FEET

TOTAL DEPTH 8550 KB
FORMATION TESTED Ronning
STRADDLE BY PASS USED YES NO
ANCHOR WEIGHT 17,500 M
STRING WEIGHT 60 M
PACKER SET WITH 30 LBS.

RECOVERY TOTAL ___ FT CUSHION ___ FT NET ___ FT OIL ___ FT WATER ___ FT
MUD ___ FT FLOWING RATE ___ BBLS/HR

GAS RATES

	TIME	RISER OD	PITOT	SIDE STATIC	MCF/DA
1					
2					
3					
4					

DEPT. OF INDIAN AFFAIRS & NORTHERN DEVELOPMENT OIL & MINERAL DIVISION
APR 15 1971
CALGARY 21, ALBERTA
OIL CONSERVATION ENGINEER
Northwest Territories & Yukon Territory

REMARKS DESCRIBE RECOVERY FULLY AND NOTE AT WHAT POINT THE SAMPLES WERE TAKEN

Good initial blow remaining for 55 minutes. Attempted to shut in tool unable to. Required turns to tool due to hole deviation. Tool open for a total of 80 min. Tool pulled very tight off bottom for 6 stands with report attached.

SIGNATURE ___

DATE ___

NOTE DISTRIBUTION: WHITE COPY - FORWARD TO AREA WELL FILE / YELLOW COPY - FORWARD TO DIVISION WELL FILES / PINK COPY - FORWARD TO CONSERVATION BOARD

MOBIL HUME RIVER L-9

ATTACHMENT:

DRILLSTEM TEST NO. 1

Interval: 8200 - 8550 (Total Depth) - Bottom Hole Test.

Good initial blow on preflow. After 3 minutes, attempted to shut tool in - unable to rotate the required 5 to 6 times - got 4+ turns. Tool open partially - blow dead in 80 mins. Pulled tool loose and had to pull very slow for 400 feet off bottom. Drag anywhere from 110M to 75M. Recovered 490 feet of drilling mud. Took salinities on water of recovered mud and salinities of mud system and both were the same. After breaking down tool found that tool had required amount of turn for complete shut in so tool was only open 3 - 5 mins. IH 4170, ISI 3200 and FH 3850. Reran test over 8196 - 8550. Opened tool for 2 hours - weak air blow throughout test. Unable to get pressure due to not having control on amount of turn required to go through test shut in. It takes 6 turns to close and 6 turns to open and 6 turns to close. With deviated hole we are unable to tell what turns we have at bottom from surface, which was indicated on first test.

LLeismeister.

Mobil Oil Canada, Ltd.
DAILY DRILLING REPORT

DATE April 1-71 — No 107 DAILY TIME SHEET 3-35 (REV. 1/68)

FIELD or AREA: Hume River West — WELL NAME & No. Mobil Oil Hume River 2-09 — CONTRACTOR S&T. Western C. LTD. — RIG No. 15 — No 107

Well Mobil Hume River 2-09 — Approved _____ — Date April 1-71

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
2 A.M.						50	65	1250		
4 A.M.										
6 A.M.	10.2	59	PH 10.0							
8 A.M.	10.9		7.9	2/32						

LINER SIZE: 5 x 14" STROKE

MUD & CHEMICALS

LBS. Added	KIND

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP S.M	PUMP PRESS	DEVIATION DEPTH	DEG.
10 A.M.										
NOON										
2 P.M.										
4 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
6 P.M.										
8 P.M.										
10 P.M.										
12 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND
Recovery	Drilling Mud	490	ft

WORK RECORD — 12-8 TOUR

START	STOP	HRS.	
12:00	1:15	1¼	Logging
1:15	2:00	¾	Load out Logging Tools
2:00	2:15	¼	Sch. Rig ✓ Blind Ram's
2:15	6:00	3¾	Run in Show w/Bit #RR 7 For Clean out (No Fill)
6:00	7:30	1½	Circ. Cond. Hole To Test
7:30	8:00	½	Pull out of Hole to Test @ Rig

@ Rig — April 1/1971 @ 7AM Fuel on Hand 4600 gallons

IES — 5280 = 8550

Baker Co. for Sonic Dynamic Log — 5280 - 8550

Schl. for Dip Log — 5280 - 8550

Schl. for Sonic Log — 5280 - 8550

BOP Tested ✓ — DRILLER: Ron Smith — CONTRACTOR'S TIME — CO's. TIME

8-4 TOUR

START	STOP	HRS.	
8:00	11:30	3½	Trip out to Run Test
11:30	12:00	½	Cut & Slip Drlg. Line
12:00	1:00	1	Tst. B.O.P.
1:00	2:00	1	Make up D.S.T.
2:00	4:00	2	Run in w/ D.S.T.

BOP Tested — DRILLER: R. Smith — CONTRACTOR'S TIME — CO's. TIME

4-12 TOUR

START	STOP	HRS.	
4:00	5:00	1	Pull in w/ D.S.T.
5:00	7:00	2	D.S.T. w/ B.J.
7:00	12:00	5	Pull out Slow to T.I.T. hole

DST #1 8550 - 8200 - 350' B.H.T. - 1

Set Tool w/ full 2" flow in 1st open 6 min. GTS in 45 min. Tool stopped flowing & began building to 3/4 psi. Pulled loose & out of hole.

BOP Tested — DRILLER: _____ — CONTRACTOR'S TIME — CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	8550	—			6¼
REAMED					
CORED					

TALLY

No.		LENGTH
89	STANDS	8377.43
2	SINGLE	62.69
3	D.C.'s	85.85
4 pups		7.72
1 12.5 sub		2.98
	KELLY IN	13.83
	TOTAL	8550
	RAT HOLE TOP	

BIT RECORD

BIT No.	RR 7
SIZE	6¼
MAKE	Smith
TYPE	555
SERIAL	DF401
JET SIZE	3-18
FROM	8550
TO	
FOOTAGE	
HRS.	
COND.	

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY

No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
	KELLY IN	
	TOTAL	
	RAT HOLE TOP	

BIT RECORD

BIT No.	
SIZE	
MAKE	
TYPE	
SERIAL	
JET SIZE	
FROM	
TO	
FOOTAGE	
HRS.	
COND.	

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY

No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
	KELLY IN	
	TOTAL	
	RAT HOLE TOP	

BIT RECORD

BIT No.	
SIZE	
MAKE	
TYPE	
SERIAL	
JET SIZE	
FROM	
TO	
FOOTAGE	
HRS.	
COND.	

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	Ron Smith	12
DERRICK	C. Campbell	12
MOTORMAN	K. Wilson	12
FLOORMAN	L. Johnson	12
FLOORMAN	M. Schaumeyer	12
FIREMAN		

REMARKS AND INJURIES:

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	R. Heal - y	12
DERRICK	P. Alexius	12
MOTORMAN	M Kacpuk	12
FLOORMAN	T. Hampson	12
FLOORMAN	B. Fortuk	12
~~FIREMAN~~	B. Tapaychuk	12

REMARKS AND INJURIES:

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON-MILE _____ TOOL PUSHER A. Bulanza APPROVED: _____

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE 3-31-71

No 106 DAILY TIME SHEET 3-35 (REV. 1/68)

FIELD or AREA: Hume River West WELL NAME & No Mobil Hume Rivers 2-09 CONTRACTOR S.T. Western Co. LTD. RIG No. 1E

No. 106

Well Mobil Oil Can. Mobil Hume Rivers 2-09

Approved _____ Date 3-31-71

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
2 A.M.										
4 A.M.										
6 A.M.										
8 A.M.										

LINER SIZE: 5½ 14 STROKE

MUD & CHEMICALS

LBS. Added	KIND

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
10 A.M.										
NOON										
2 P.M.										
4 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
6 P.M.										
8 P.M.										
10 P.M.										
12 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

WORK RECORD — 12-8 TOUR

START	STOP	HRS.	
1200	2000	8	Logging By Schlumberger.

Last @ Rivers 8000
Last @ Rig 2525
10.525

BOP Tested DRILLER: R. Smith CONTRACTOR'S TIME CO's. TIME

8-4 TOUR

START	STOP	HRS.	
400	1200	8	Logging w/ Schlumberger

BOP Tested DRILLER: R. Henley CONTRACTOR'S TIME CO's. TIME

4-12 TOUR

START	STOP	HRS.	
400	700	3	Loggi w/ Schlumberger
700	800	1	Wait. for Logg Tool
800	1200	5	Logging

BOP Tested DRILLER: CONTRACTOR'S TIME CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	8550				
REAMED					
CORED					

TALLY

No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
	KELLY IN	
	TOTAL	
	RAT HOLE TOP	

BIT RECORD

BIT No.	
SIZE	
MAKE	
TYPE	
SERIAL	
JET SIZE	
FROM	
TO	
FOOTAGE	
HRS.	
COND.	

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	8550				
REAMED					
CORED					

TALLY

No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
	KELLY IN	
	TOTAL	
	RAT HOLE TOP	

BIT RECORD

BIT No.	
SIZE	
MAKE	
TYPE	
SERIAL	
JET SIZE	
FROM	
TO	
FOOTAGE	
HRS.	
COND.	

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	8550				
REAMED					
CORED					

TALLY

No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
	KELLY IN	
	TOTAL	
	RAT HOLE TOP	

BIT RECORD

BIT No.	
SIZE	
MAKE	
TYPE	
SERIAL	
JET SIZE	
FROM	
TO	
FOOTAGE	
HRS.	
COND.	

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	Ron Smith	12
DERRICK	C Campbell	12
MOTORMAN	K. Wilson	12
FLOORMAN	L. Johnson	12
FLOORMAN	M. Schaupmeyer	12
FIREMAN		

REMARKS AND INJURIES:

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	R. Henley	
DERRICK	L. Alexas	
MOTORMAN	M. Kupiuk	
FLOORMAN	T. Hansen	
FLOORMAN	D. Kupiuk	
FIREMAN	D. Wasylchuck	

REMARKS AND INJURIES:

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: _____ APPROVED: _____

Mobil Oil Canada, Ltd.
DAILY DRILLING REPORT

DATE 3-31-71 | No. 105 | No. 105 DAILY TIME SHEET 3-35 (REV. 1/68)

Well Mobil Oil Can. Hume River 1-09

FIELD or AREA: Hume River N.W.T. WELL NAME & No. Mobil Hume River 1-09 CONTRACTOR S.T. Western LTD RIG No. 1E Approved _____ Date 3-30-71

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
2 A.M.	10.4	54			6 M-5 B-T	62	1650	8520'	7°
4 A.M.	10.4	56				340				
6 A.M.	10.4	61								
8 A.M.										

LINER SIZE: 5¾ 14" STROKE

MUD & CHEMICALS

LBS. Added	KIND
900#	Super Col

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
10 A.M.										
NOON										
2 P.M.										
4 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
6 P.M.										
8 P.M.										
10 P.M.										
12 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

WORK RECORD — 12 - 8 TOUR

START	STOP	HRS.	
12:00	12:15	¼	Duty w/ Dyna Drill
12:15	12:30	¼	Sec Rig's Hydril + Kelly Cock.
12:30	3:15	3¼	Duty w/ Dyna Drill
3:15	4:45	1	Circ Cond Hole To Trip
4:45	5:30	¾	Survey @ 8520' 7° S65E
5:30	8:00	2½	Trip out To Logg + Strap out.

Fuel @ Rig 8000
Fuel @ Trip 1450
Fuel @ Rig 3500
12,950

March 29 Rig used 700 gallons

BOP Tested ✓ DRILLER: Ron Small CONTRACTOR'S TIME CO's. TIME

8 - 4 TOUR

START	STOP	HRS.	
8:00	9:30	1½	Finished Trip out To Logs + Strap Tally
4:30	4:00	6½	Logging w/ Schlumberger

BOP Tested DRILLER: P. Hurley CONTRACTOR'S TIME CO's. TIME

4 - 12 TOUR

START	STOP	HRS.	
4:00	12:00	8	Logging w/ Schlumberger

BOP Tested DRILLER: CONTRACTOR'S TIME CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	8525	8550	25'	3½	6¾
REAMED					
CORED					

TALLY

No.		LENGTH
89	STANDS	2372.48
	SINGLE	
3	D.C.'s	85.85
1 mud		18.62
2 Sub		4.43
Jars + Sub		8.57
1 Dynadrill		24.06
KELLY IN		30.99
TOTAL		8550.00
RAT HOLE TOP		

BIT RECORD

BIT No.	RR 11
SIZE	6¾
MAKE	Chris
TYPE	4
SERIAL	EC 37105
JET SIZE	—
FROM	7792
TO	8550
FOOTAGE	758
HRS.	85½
COND.	Good

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	Ron Small	12
DERRICK	C Campbell	12
MOTORMAN	K Wilson	12
FLOORMAN	L Jackson	12
FLOORMAN	M Schaapveer	12
FIREMAN		

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY

No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
KELLY IN		
TOTAL		
RAT HOLE TOP		

BIT RECORD

BIT No.	
SIZE	
MAKE	
TYPE	
SERIAL	
JET SIZE	
FROM	
TO	
FOOTAGE	
HRS.	
COND.	

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	R. Henley	12
DERRICK	R Alexing	12
MOTORMAN	M Kasprick	12
FLOORMAN	T Hanson	12
FLOORMAN	V Bowfoot	12
FIREMAN	B Dobsyclook	12

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY

No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
KELLY IN		
TOTAL		
RAT HOLE TOP		

BIT RECORD

BIT No.	
SIZE	
MAKE	
TYPE	
SERIAL	
JET SIZE	
FROM	
TO	
FOOTAGE	
HRS.	
COND.	

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: A Blakeley APPROVED: [signature]

Mobil Oil Canada, Ltd.
DAILY DRILLING REPORT

DATE 3-29-71

No. 104 DAILY TIME SHEET (REV. 1/68) 3-35

FIELD or AREA: Hume River NWT | WELL NAME & No. Mobil Hume River 2-09 | CONTRACTOR Sgt. Western Co. LTD | RIG No. 1E

No 104

Well Mobil Oil Hume River 2-09

Mobil Oil Can. LTD

Approved _____ Date 3-29-71

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
2 A.M.	10.4	46			6	45	62	1600		
4 A.M.	10.2	45			Bit	RPM				
6 A.M.	10.2	44				340				
8 A.M.										

LINER SIZE: 5X 14" STROKE

MUD & CHEMICALS

LBS. Added	KIND
650#	Protecto-Magic
63 BBLs	Diesel Fuel
100#	Caustic

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
10 A.M.					6	45	6	1700	7493	3/4
NOON					BIT 245					
2 P.M.	10.3	45	9.8	3/32						
4 P.M.										

LINER SIZE: 5x 14" STROKE

MUD & CHEMICALS

LBS. Added	KIND
350#	Pelletex
250 #	Gel
100 #	Caustic
50 #	CMC

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
6 P.M.					6	70	62	1700		
8 P.M.	10.4	46				245				
10 P.M.	10.2	47								
12 P.M.	10.2	50								

LINER SIZE: _____ STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

WORK RECORD — 12 - 8 TOUR

START	STOP	HRS.	
1200	115	1¼	DRLG. w/ Dyna Drill
115	130	¼	See Rig w 4" pipe Rams & Kelly Cocks
130	500	6½	DRLG. w/ Dyna Drill

Fuel @ River 8000
Fuel @ Strip 1450
Fuel @ Rig 4200
Total Fuel 13,650

Fuel used March 28 1400 gallons

BOP Tested ✓ DRILLER: Ron Savill CONTRACTOR'S TIME CO's. TIME

8 - 4 TOUR

START	STOP	HRS.	
4⁰⁰	9.30	1½	Drlg w/ Dyna Drill
9.30	10⁰⁰	½	Survey @ 7433 - 1° S 58 E
10⁰⁰	10.15	¼	Rig Serv. w/ Crew
10.15	4⁰⁰	17¾	Drlg w/ Dyna Drill

BOP Tested ✓ DRILLER: K. Hall CONTRACTOR'S TIME CO's. TIME

4 - 12 TOUR

START	STOP	HRS.	
4⁰⁰	4.15	¼	Rig Serv. → BOPs
4.15	10⁰⁰	7¾	Drlg w/ Dyna Drill

BOP Tested ✓ DRILLER: _____ CONTRACTOR'S TIME CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	9363	9420	57'	7¾	6¾2
REAMED					
CORED					

TALLY

No.		LENGTH
87	STANDS	7950.95
2	SINGLE	
3	D.C.'s	85.85
1 Monel		18.62
1 Dyna Dr		24.06
2 Stb.		4.43
Jars & Sub.		4.57
KELLY IN		2752
TOTAL		9420.00
RAT HOLE TOP		

BIT RECORD

BIT No.	RR4
SIZE	6¾2
MAKE	Chris
TYPE	D
SERIAL	C137105
JET SIZE	
FROM	7792
TO	9420
FOOTAGE	1628
HRS.	67
COND.	

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	Ron Savill	12
DERRICK	C. Campbell	12
MOTORMAN	K. Wilson	12
FLOORMAN	L. Johnson	12
FLOORMAN	M. Shaypooyer	12
FIREMAN		

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	8420	8465	45'	7¼	6¾2
REAMED					
CORED					

TALLY

No.		LENGTH
84	STANDS	8283.90
	SINGLE	
2	D.C.'s	85.85
1 Monel		18.62
1 Dyna Dr		24.06
2 Stabs.		4.43
Jars & Sub.		6.57
KELLY IN		41.00
TOTAL		8465.43
RAT HOLE TOP		

BIT RECORD

BIT No.	RR4
SIZE	6¾2
MAKE	Chris
TYPE	D
SERIAL	37105
JET SIZE	
FROM	7792
TO	8420
FOOTAGE	673
HRS.	74¼
COND.	Run

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	P. Henley	12
DERRICK	R. Ajenuis	12
MOTORMAN	M. Kaupuk	12
FLOORMAN	T. Hunter	12
FLOORMAN	B. Putuk	12
~~FIREMAN~~	D. Tedcyclick	12

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	8465	8525	60	7¾	6¾2
REAMED					
CORED					

TALLY

No.		LENGTH
88	STANDS	8425.38
2	SINGLE	
3	D.C.'s	85.85
1 Monel		18.62
1 Dyna Dr		24.06
Jars & Sub.		8.57
KELLY IN		41.00
TOTAL		8603.48
RAT HOLE SUB		5.00

BIT RECORD

BIT No.	RR4
SIZE	6¾2
MAKE	Chris
TYPE	D
SERIAL	C37105
JET SIZE	
FROM	7792
TO	8525
FOOTAGE	733
HRS.	82
COND.	Run

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: _____ APPROVED: _____

Mobil Oil Canada, Ltd.
DAILY DRILLING REPORT

DATE 3-28-71

No. 103 DAILY TIME SHEET 3-35 (REV. 11/68)

FIELD or AREA: Hume River N.W.T. WELL NAME & No. Mobil Hume River 2-05 CONTRACTOR SAT. WESTERN LTD. RIG No. 15

No. 103

Well Mobil Oil Can. 2+D Mobil Hume River 2-05

Approved _____ Date 3-28-71

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEVIATION DEG.
2 A.M.	100	46			6	15	62	1100	8280	7 3/4
4 A.M.	100	46				Bit 3-45				
6 A.M.	100	46								
8 A.M.										

LINER SIZE: 5" X 14" STROKE

MUD & CHEMICALS

LBS. Added	KIND
100#	PROTECTO MAGIC
250	SUPER COL
100	CAUSTIC
28BLS.	DIESEL FUEL

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEVIATION DEG.
10 A.M.	T				6	15	62	1700		
NOON	TRIP				0.7	345				
2 P.M.										
4 P.M.										

LINER SIZE: 5" X 14" STROKE

MUD & CHEMICALS

LBS. Added	KIND

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEVIATION DEG.
6 P.M.										
8 P.M.	100	52	8	11						
10 P.M.	103	47								
12 P.M.	103	47								

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND
15D	PELTEX		

WORK RECORD — 12 - 8 TOUR

START	STOP	HRS.	
12:00	6:15	6 1/4	Drlg w/ Dyna Drill
6:15	6:30		Sea Tiew BOP's
6:30	7:00	1/2	Surveys 8280 7 3/4 S-77E
7:00	8:00	1	Drlg w/ Dyna Drill

Fuel @ Rwss 8000
Fuel @ Stop 1450
Fuel @ Arr 5400
5050

Fuel used March 27-71 (700 gallons)

BOP Tested ✓ DRILLER: Ron Sewell CONTRACTOR'S TIME CO's. TIME

8 - 4 TOUR

START	STOP	HRS.	
8:00	9:15	1 1/4	Drlg w/ Dyna Drill
9:15	9:45	1/2	Circ hole & Trip
9:45	2:00	4 1/4	Trip out for Bit STAND BACK 12 DRILL COLLARS
2:00	3:00	1	Washed down Dyna Drill & Picked up new Jars
3:00	4:00	1	Run in w/ Dyna Drill.

BOP Tested DRILLER: P. Hanley CONTRACTOR'S TIME CO's. TIME

4 - 12 TOUR

START	STOP	HRS.	
4:00	4:15	1/4	Picked up Kelly & Break Circ @ 2500'
4:15	5:00	3/4	Run in w/ Dyna Drill From 2500'
5:00	5:30	1/2	Slip 23' of Drlg Line
5:30	5:45	1/4	Break Circ @ 8700'
5:45	6:15	1/2	Run in w/ Dyna Drill From 8700'
6:15	7:00	3/4	Pick up 11 singles.
7:00	7:45	3/4	Cleaning to Bottom
7:45	8:30	3/4	Drlg w/ Dyna Drill
8:30	8:45	1/4	Circ Rig & BOP's & Kelly Cocks
8:45	12:00	3 1/4	Drlg w/ Dyna Drill

BOP Tested ✓ DRILLER: Ollie CONTRACTOR'S TIME CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	8260	8322	62'	7 1/4	6 3/32
REAMED					
CORED					

TALLY		LENGTH
83	STANDS	7811.16
	SINGLE	
15	D.C.'s	438.89
1 Monel		18.62
Dyna Drill		24.06
Jars + Sub		7.60
2 Std		4.43
KELLY IN		17.241
TOTAL		8322.00
RAT HOLE TOP		

BIT RECORD	
BIT No.	RR 4
SIZE	6 3/32
MAKE	Chris
TYPE	◇
SERIAL	EC 137105
JET SIZE	
FROM	7792
TO	8322
FOOTAGE	530
HRS.	54
COND.	Run

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	Ron Sewell	12
DERRICK	C. Campbell	12
MOTORMAN	K. Wilson	12
FLOORMAN	L. Johnson	12
FLOORMAN	M. Schuppmann	12
FIREMAN		

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	8322	8331	9	1 3/4	6 3/32
REAMED					
CORED					

TALLY		LENGTH
83	STANDS	7811.16
	SINGLE	
15	D.C.'s	438.89
1 Monel		18.62
Dyna Drill		24.06
Jars + Sub		7.60
2 Std		4.43
KELLY IN		17.241
TOTAL		8322.00
RAT HOLE TOP		

BIT RECORD	
BIT No.	RR 4
SIZE	6 3/32
MAKE	Chris
TYPE	◇
SERIAL	EC 137105
JET SIZE	
FROM	7792
TO	8322
FOOTAGE	530
HRS.	54
COND.	Run

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	P. Hanley	12
DERRICK	P. Alexiuk	12
MOTORMAN	M. Korpiuk	12
FLOORMAN	T. Hanson	12
FLOORMAN	P. Pudnik	12
~~FIREMAN~~	B. Todosychuk	12

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	8331	8363	32	4	6 3/32
REAMED					
CORED					

TALLY		LENGTH
87	STANDS	8189.50
	SINGLE	
3	D.C.'s	85.85
1 reamed		19.62
Dyna Drill		24.06
Jars + Sub		5.57
2 Std		4.43
KELLY IN		31.97
TOTAL		8363.00
RAT HOLE TOP		

BIT RECORD	
BIT No.	RR 4
SIZE	6 3/32
MAKE	Chris
TYPE	◇
SERIAL	EC 137105
JET SIZE	—
FROM	7792
TO	8363
FOOTAGE	571
HRS.	59 1/4
COND.	Run

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: O. Valenga APPROVED: N. B. Moore

Mobil Oil Canada, Ltd.
DAILY DRILLING REPORT

DATE March 27-71 — No. 102 — DAILY TIME SHEET 3-35 (REV. 11/68)

FIELD or AREA: Hume River N.W.T. — WELL NAME & No. Mobil Hume River 2-09 — CONTRACTOR Sat. Western Ltd — No. 102 — RIG No. 1E

Well Mobil Oil Can. Ltd Hume River 2-09 — Approved _____ Date 3-27-71

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
2 A.M.	TR.9				6	15	62	1700		
4 A.M.						Bit RPM				
6 A.M.	10#	46				345				
8 A.M.	10#	47								

LINER SIZE: 5¾ 14" STROKE

MUD & CHEMICALS

LBS. Added	KIND

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
10 A.M.					6	15	12	1700		
NOON						Bit RPM				
2 P.M.										
4 P.M.						345				

LINER SIZE: 5¾ 14 STROKE

MUD & CHEMICALS

LBS. Added	KIND

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
6 P.M.					6	45	62	1700	8110	8¾
8 P.M.						RPM				
10 P.M.	10.4	46								
12 P.M.	10.4	46				345				

LINER SIZE: 5¾ 14" STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND
[illegible]			
150	[illegible]		

WORK RECORD — 12-8 TOUR

START	STOP	HRS.	
1700	1230	½	Dslg w/Dyna Drill
1230	1745	3¼	Displ. trip out to 5200 & Run in Slow.
1745	1830	¼	Ser. Rig & BOPs & Kelly Cock.
1930	800	3½	Dslg w/Dyna Drill

Fuel @ Rig 8000
Fuel @ Strip 1450
Fuel @ Rig 6500
Fuel used Mich 26 300 gallons
Total Fuel 15750 gallons

BOP Tested ✓ — DRILLER: Ron Savill — CONTRACTOR'S TIME — CO's. TIME

8-4 TOUR

START	STOP	HRS.	
800	914	1¼	Dslg w/ Dyna Drill
914	930	¼	Rig Serv. & BOPs
930	400	6½	Dslg w/ Dyna Drill

BOP Tested ✓ — DRILLER: R. H. E. — CONTRACTOR'S TIME — CO's. TIME

4-12 TOUR

START	STOP	HRS.	
400	417	¼	Survey @ 8190 8¾ E
417	500	¼	Rig Serv & BOPs
500	1115	6¼	Dslg w/ Dyna Drill.
1115	1130	¼	Changed Bleed packing No. 2 pump.
1130	1200	½	Dslg w/ Dyna Drill

BOP Tested ✓ — DRILLER: R. H. E. — CONTRACTOR'S TIME — CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	8064	8111	113	4	6¾ 32
REAMED					
CORED					

TALLY

No.		LENGTH
86	STANDS	7930.00
2	SINGLE	15.62
15	D.C.'s	438.54
1 reamer		18.62
Dyna		24.66
Jars		7.66
3 Stab.		4.43
KELLY IN		24.46
TOTAL	8111	
RAT HOLE TOP		

BIT RECORD

BIT No.	RR-4
SIZE	6¾ 32
MAKE	Chris
TYPE	D
SERIAL	EC 137105
JET SIZE	—
FROM	7792
TO	8111
FOOTAGE	319'
HRS.	39¼
COND.	Run

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	Ron Savill	12
DERRICK	C. Campbell	12
MOTORMAN	K. Wilson	12
FLOORMAN	L. Johnson	12
FLOORMAN	M. Schuppmeyer	12
FIREMAN		

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	8111	8190	79	7¼	6¾ 32
REAMED					
CORED					

TALLY

No.		LENGTH
85	STANDS	7623.86
2	SINGLE	15.62
15	D.C.'s	438.54
Mwd		18.62
D.P. 1E		24.66
Jars x 20		7.66
3 Stab.		4.43
KELLY IN		9.97
TOTAL	8190	
RAT HOLE TOP		

BIT RECORD

BIT No.	RR-4
SIZE	6¾
MAKE	Chris
TYPE	D
SERIAL	EC 137105
JET SIZE	
FROM	7792
TO	8190
FOOTAGE	398
HRS.	40
COND.	Pull

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	K. Henley	12
DERRICK	P. Allen	12
MOTORMAN	M. Karpiuk	12
FLOORMAN	T. Hanson	12
FLOORMAN	P. Kurtnik	12
~~FIREMAN~~	P. Tadeychuk	12

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	8190	8260	70'	6¾	6¾ 32
REAMED					
CORED					

TALLY

No.		LENGTH
83	STANDS	7749.62
1	SINGLE	
15	D.C.'s	438.54
1 Mwd		18.62
1 Dyna		24.66
Jars & Sub		7.66
3 Stab		4.43
KELLY IN		16.78
TOTAL	8261.81	
RAT HOLE TOP		

BIT RECORD

BIT No.	RR-4
SIZE	6 32
MAKE	Chris
TYPE	D
SERIAL	EC 137105
JET SIZE	
FROM	7792
TO	8260
FOOTAGE	468
HRS.	46¾
COND.	Run

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER [illegible] APPROVED: [illegible]

Mobil Oil Canada, Ltd.
DAILY DRILLING REPORT

DATE 4 Nov 26/71 — No. 101 DAILY TIME SHEET 3-35 (REV. 11/68)

FIELD or AREA: Hume Plains West — WELL NAME & No. Mobil Hume Plains L-09 — CONTRACTOR S.T. Drilling (Western) Co. Ltd. — RIG No. 1E — No. 101 — Well Mobil Hume Plains L-09 — Approved _____ — Date 4 Nov 26/71

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
2 A.M.	103	44	6.4	2/32	6	15	62	1450	7816	13°
4 A.M.	103	48				2T 2pm				
6 A.M.	103	47				345				
8 A.M.	103	47	6.4	2/32						

LINER SIZE: 5 STROKE 14

MUD & CHEMICALS

LBS. Added	KIND

START	STOP	HRS.	WORK RECORD — 12-8 TOUR
1300	1705	3/4	Lyons Surveying @ 7816 (Changed Block 6 90°)
1705	2130	1 1/4	Rig 6 1/8" hole w/Dyna drill (Compass 13° N83E)
2130	2345	1/2	Rig Service, Repair Kelly cock OK
2345	800	5 1/4	Daly w/6 1/8" hole w/Dyna drill

Trucks: Kenny 8000
Trucks Stop 1450
Trucks King 7400
Total 16,850

Last wash out Nov 25/71 6605'

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP 2 SPM	PUMP 2 PRESS	DEVIATION DEPTH	DEG.
10 A.M.	103	48			6	15	62	1650	7904	12°
NOON	103	50				2T RPM				
2 P.M.						345				
4 P.M.										

LINER SIZE: 5 1/4" STROKE

MUD & CHEMICALS

LBS. Added	KIND

BOP Tested

START	STOP	HRS.	
400	915	1/4	Set Rig & BOP
915	900	3/4	Survey @ 7904 12° N84E
900	400	7	Daly 6 3/8" hole w/Dyna Drill

DRILLER: [illegible] CONTRACTOR'S TIME CO's. TIME

8 - 4 TOUR

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	7854	7937	83	7	6 7/32
REAMED					
CORED					

TALLY No.		LENGTH
78	STANDS	7342.25
	SINGLE	
15	D.C.'s	438.59
1	Monel	18.62
1	Bit Sub	24.06
1	Jar	7.60
2	Stds	4.43
	KELLY IN	41.00
	TOTAL	7930.86
	RAT HOLE TOP	

BIT RECORD	
BIT No.	RR4
SIZE	6 7/32
MAKE	Chris
TYPE	O
SERIAL	EC137105
JET SIZE	—
FROM	7792
TO	7937
FOOTAGE	
HRS.	14 1/4
COND.	

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	B. Allemin	8-8
DERRICK	J. Smith	8-8
MOTORMAN	J. Gibson	8-8
FLOORMAN	B. Hyland	8-8
FLOORMAN	J. Hunde	8-8
FIREMAN		

REMARKS AND INJURIES:

BOP Tested ✓

START	STOP	HRS.	
400	530	1 1/2	Daly w/Dyna Drill
530	545	1/4	Set Rig & BOP
545	830	2 3/4	Daly w/Dyna Drill
830	915	3/4	Survey @ 7992 — 1 1/4 N48E
915	1200	2 3/4	Daly w/Dyna Drill.

DRILLER: Ken Scott CONTRACTOR'S TIME CO's. TIME

4 - 12 TOUR

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	7937	7987	50	7	6 7/32
REAMED					
CORED					

TALLY No.		LENGTH
79	STANDS	469.59
1	SINGLE	
15	D.C.'s	438.59
1	Monel	18.62
1	Bit Sub	24.06
1	Jar	7.60
2	Stds	4.43
	KELLY IN	27.14
	TOTAL	7987.00
	RAT HOLE TOP	

BIT RECORD	
BIT No.	RR4
SIZE	6 7/32
MAKE	Chris
TYPE	O
SERIAL	EC137105
JET SIZE	—
FROM	7792
TO	7987
FOOTAGE	195
HRS.	21 1/4
COND.	Run

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	T. Ca. Small	12
DERRICK	C. Campbell	12
MOTORMAN	K. Gibson	12
FLOORMAN	L. Johnson	12
FLOORMAN	A. Hemmingway	12
~~FIREMAN~~	B. Todoychuk	12

REMARKS AND INJURIES:

BOP Tested ✓

START	STOP	HRS.	
400	530	1 1/2	Daly w/Dyna Drill
530	545	1/4	Set Rig & BOP
545	830	2 3/4	Daly w/Dyna Drill
830	915	3/4	Survey @ 7992 — 1 1/4 N48E
915	1200	2 3/4	Daly w/Dyna Drill.

DRILLER: Ken Scott CONTRACTOR'S TIME CO's. TIME

4 - 12 TOUR

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	7987	8068	81	7	6 7/32
REAMED					
CORED					

TALLY No.		LENGTH
80	STANDS	757.045
	SINGLE	31.58
15	D.C.'s	438.59
1	Monel	18.62
1	Bit Sub	24.06
1	Jar	7.60
2	Stds	4.43
	KELLY IN	1337
	TOTAL	8068
	RAT HOLE TOP	

BIT RECORD	
BIT No.	RR4
SIZE	6 7/32
MAKE	Chris
TYPE	O
SERIAL	EC137105
JET SIZE	—
FROM	7792
TO	8068
FOOTAGE	276
HRS.	28 1/4
COND.	Run

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER	C. Hewlett	4-8
DERRICK	P. Alexius	4-8
MOTORMAN	M. Karpuk	4-8
FLOORMAN	T. Hansen	4-8
FLOORMAN	B. Burtnik	4-8
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER A.B. Helenga APPROVED: [illegible]

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE Nov 25/71

No. 100 DAILY TIME SHEET 3-35 (REV. 1/68)

FIELD or AREA: Hume Lower N.W.T. WELL NAME & No. Gulf Hume Lower L-09 CONTRACTOR S+T Drilling (Wheaton) Co. Ltd. RIG No. 16

No. 100

Well Gulf Hume Lower L-09

Approved _____ Date Nov 26/71

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP 1 SPM	PUMP 1 PRESS	DEVIATION DEPTH	DEVIATION DEG.
2 A.M.	10.3	52			16	60	55	1600		
4 A.M.	10.3	49								
6 A.M.	10.3	46	6.2	3/32						
8 A.M.										

LINER SIZE: 5½ STROKE 14

MUD & CHEMICALS

LBS. Added	KIND
50#	Mixfoam

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP 2 SPM	PUMP 2 PRESS	DEVIATION DEPTH	DEVIATION DEG.
10 A.M.										
NOON	10.3	48	10.5		5	15	62	1600		
2 P.M.										
4 P.M.										

LINER SIZE: 6 x 14" STROKE

MUD & CHEMICALS

LBS. Added	KIND

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP 2 SPM	PUMP 2 PRESS	DEVIATION DEPTH	DEVIATION DEG.
6 P.M.	10.3	50	7.4	10.5	6	15	62	1650		
8 P.M.										
10 P.M.	10.3	53	8.4	11.0						
12 P.M.	10.3	50								

LINER SIZE: 5 x 14" STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

WORK RECORD — 12 - 8 TOUR

START	STOP	HRS.	
12 Mn	12 15	¼	Rig Survey + Bypass
12 15	7 00	6¾	Dyna 6⅜" hole
7 00	8 00	1	Hist to run Dyna drill

Tank 1 Mixed 8000
Tank 2 Strap 1450
Tank 3 Strap 8000
Total 17,450

Fuel used last 24 hrs 550 gals

BOP Tested ✓ DRILLER: Ron Cummings CONTRACTOR'S TIME CO's. TIME

8 - 4 TOUR

START	STOP	HRS.	
8 00	10 30	2½	Trip out To Run Dyna Drill
10 30	10 45	¼	See Rig + Bleed Rams
10 45	11 30	¾	Pickup Dyna Drill + Make up Bit
11 30	2 00	2½	Run in To 5200'
2 00	2 30	½	Slip + Cut drilling line
2 30	3 15	¾	Finish Running in w/ Dyna Drill
3 15	3 45	½	Break Circ + Clean To Bottom
3 45	4 00	¼	Orly 6⅜" w/ Dyna Drill

BOP Tested ✓ DRILLER: Ron Smith CONTRACTOR'S TIME CO's. TIME

4 - 12 TOUR

START	STOP	HRS.	
4 00	6 45	2¾	Orly w/ Dyna Drill
6 45	7 00	¼	Service Rig + B.O.P.s
7 00	10 00	3	Orly w/ Dyna Drill
10 00	10 45	¾	Survey @ 7810 14° N 13 E - MK (Believed to be maximum Inclination Change in Conglomerate)
10 45	12 00	1¼	Orly w/ Dyna drill

D.I.L.: 7810 - 13 N83E
TVD 7794.90

BOP Tested ✓ DRILLER: Gary Low CONTRACTOR'S TIME CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	7754	7792	38	6¼	6⅜
REAMED					
CORED					

TALLY

No.		LENGTH
78	STANDS	2468.92
1	SINGLE	30.37
15	D.C.'s	438.89
	Ground	18.62
	Stbr	5.55
	Sub	2.48
	Dyna	6.75
	KELLY IN	41.60
	TOTAL	7792.58
	RAT HOLE TOP	

BIT RECORD

BIT No.	RR 3
SIZE	6⅜
MAKE	Chris
TYPE	Q
SERIAL	EC1270
JET SIZE	
FROM	7686
TO	7792
FOOTAGE	106'
HRS.	26¼
COND.	

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	O. Cummings	12
DERRICK	J. Smith	12
MOTORMAN	J. Wilson	12
FLOORMAN	G. Hebert	12
FLOORMAN	F. Kendi	12
FIREMAN		

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	7792				
REAMED					
CORED					

TALLY

No.		LENGTH
77	STANDS	2514.92
1	SINGLE	30.37
15	D.C.'s	438.89
	Ground	18.62
	Dyna Sub	2.46
	Dyna	6.75
	Sub	4.43
	Stbr Sub.	7.60
	KELLY IN	17.11
	TOTAL	7792.00
	RAT HOLE TOP	

BIT RECORD

BIT No.	RR #4
SIZE	6⅜
MAKE	Chris
TYPE	Q
SERIAL	EC137165
JET SIZE	
FROM	7792
TO	
FOOTAGE	—
HRS.	¼
COND.	Run

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	Ron Smith	12
DERRICK	C. Campbell	12
MOTORMAN	K. Wilson	12
FLOORMAN	L. Johnson	12
FLOORMAN	M. Cunningham	12
FIREMAN	V. Tkaczyk	12

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	7792	7854	62	7	6⅜
REAMED					
CORED					

TALLY

No.		LENGTH
78	STANDS	2467.35
	SINGLE	
15	D.C.'s	438.89
	Ground	18.62
	Dyna Sub	2.46
	Dyna	6.75
	Stbr	4.43
	Sub + XO	7.60
	KELLY IN	18.15
	TOTAL	7854.00
	RAT HOLE TOP	

BIT RECORD

BIT No.	RR #4
SIZE	6⅜
MAKE	Chris
TYPE	Q
SERIAL	EC137165
JET SIZE	—
FROM	7792
TO	7854
FOOTAGE	62
HRS.	7¼
COND.	Run

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: [illegible] APPROVED: D.B. McCord.

Mobil Oil Canada, Ltd.
DAILY DRILLING REPORT

DATE Nov 24/71

No. 99 DAILY TIME SHEET 3-35 (REV. 1/68)

FIELD or AREA: Hume Pinnacle N w.T WELL NAME & No. Mobil Hume Pinnacle 09 CONTRACTOR S&T Drilling (Western) Ltd RIG No. 1E

No. 99

Well Mobil Hume Pinnacle L-09

Approved _____ Date Nov 24/71

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
2 A.M.										
4 A.M.					16	50	65	1600		
6 A.M.	10.3	47	6.0	2/32						
8 A.M.	10.3	52								

LINER SIZE: 5½ STROKE 14

MUD & CHEMICALS

LBS. Added	KIND

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
10 A.M.	10.3	54	6.0	2/32	16	55	55	1600		
NOON	10.3	49								
2 P.M.	10.3	49								
4 P.M.	10.3	45								

LINER SIZE: 5½ X 14 STROKE

MUD & CHEMICALS

LBS. Added	KIND
150	PERTEX
100	PROTECTO MAGIC
28BLS	DIESEL FUEL

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
6 P.M.	10.3	55			16	60	55	1600	7730	1¼°
8 P.M.	10.3	50								
10 P.M.	10.3	49								
12 P.M.										

LINER SIZE: 5½ STROKE 14

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

WORK RECORD — 12-8 TOUR

START	STOP	HRS.	
12:00	12:15	¼	Rig Service
12:15	2:00	1¾	Cut out of flat KV#3 - Jump HBR STL. Ran to Fabian 2 - 23' Changed Joint
2:00	2:15	¼	Slug 23' drill line
2:15	3:00	¾	Circ. trip in
3:00	3:15	¼	Circ. to Intermediate
3:15	8:00	4¾	Drlg 6¾" hole

Fuel on Rig 8100
Fuel Used 2000
Fuel 18,000
Fuel used last 24 hrs 600 gals

BOP Tested

DRILLER: [illegible] CONTRACTOR'S TIME CO's. TIME

8-4 TOUR

START	STOP	HRS.	
8:00	4:00	8	Drlg 6¾" hole

Pumped 6,154 gallons fuel from circ trip to Rig Tank

8 Fuel in Rig Tank

BOP Tested

DRILLER: Ron Smith CONTRACTOR'S TIME CO's. TIME

4-12 TOUR

START	STOP	HRS.	
4:00	5:30	1½	Drlg 6¾" hole
5:30	5:45	¼	Ser. Rig + BOPs
5:45	6:15	½	Survey @ 7730' NBLE
6:15	10:45	4½	Drlg 6¾" hole
10:45	11:30	¾	Change rig brakes + packing (Maintenance on Swivel)
11:30	12:00	½	Drlg 6¾" hole

BOP Tested ✓

DRILLER: Ron Smith CONTRACTOR'S TIME CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	7686	7702	16'	4¾	6 3/16
REAMED					
CORED					

TALLY

No.		LENGTH
76	STANDS	721.56
2	SINGLE	27.31
15	D.C.'s	438.89
2	Stb	5.55
1	Monel	18.62
	Sub	2.48
	Jars	6.75
	KELLY IN	12.15
	TOTAL	7702.01
	RAT HOLE TOP	

BIT RECORD

BIT No.	HC #3
SIZE	6 3/16
MAKE	Chris
TYPE	Q
SERIAL	EC12210
JET SIZE	
FROM	7686
TO	7702
FOOTAGE	16'
HRS.	4¾
COND.	Rec

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	G. Williamson	12
DERRICK	J. Smith	12
MOTORMAN	Hamilton	12
FLOORMAN	Gilbert	12
FLOORMAN	J. Kendi	12
FIREMAN		

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	7702	7725	23'	8	6 3/16
REAMED					
CORED					

TALLY

No.		LENGTH
76	STANDS	721.56
2	SINGLE	27.31
15	D.C.'s	438.89
1	Monel	18.62
2	Stb	5.55
	Sub	2.48
	Jars	6.75
	KELLY IN	35.15
	TOTAL	7725.01
	RAT HOLE TOP	

BIT RECORD

BIT No.	RR #3
SIZE	6 3/16
MAKE	Chris
TYPE	Q
SERIAL	EC12210
JET SIZE	—
FROM	7686
TO	7725
FOOTAGE	39
HRS.	12¾
COND.	Rec

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	Ron Smith	12
DERRICK	C. Cunningham	12
MOTORMAN	K. Wilson	12
FLOORMAN	L. Johnson	12
FLOORMAN	M. Chupenyer	12
~~FIREMAN~~	B. Tedesychuk	12

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	7725	7754	29'	6¾	6 3/16
REAMED					
CORED					

TALLY

No.		LENGTH
77	STANDS	7248.92
	SINGLE	
15	D.C.'s	438.89
1	Monel	18.62
	Stb	5.55
	Sub	2.48
	Jars	6.75
	KELLY IN	32.79
	TOTAL	7754.40
	RAT HOLE TOP	

BIT RECORD

BIT No.	RR 3
SIZE	6 3/16
MAKE	Chris
TYPE	Q
SERIAL	EC12210
JET SIZE	
FROM	7686
TO	7754
FOOTAGE	68'
HRS.	19¼
COND.	Rec

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: [illegible] APPROVED: [illegible]

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE April 23/71 — No. 98 — DAILY TIME SHEET 3-35 (REV. 1/68) — Well Mobil Home Kinn L-09

FIELD or AREA: Home Pinto W. S.T. — WELL NAME & No. Mobil Home Kinn L-09 — CONTRACTOR S-T Drilling (Western) Co Ltd — RIG No. 1E — No. 98 — Approved _____ Date April 23/71

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
2 A.M.	11.3	42	6.4	2/32	20	45	65	1350	7608	14 1/2
4 A.M.	10.3	48								
6 A.M.	10.3	44								
8 A.M.	10.3	44	6.0	2/32						

LINER SIZE: 5" STROKE 14"

MUD & CHEMICALS

LBS. Added	KIND

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP 2 SPM	PUMP 2 PRESS	DEVIATION DEPTH	DEG.
10 A.M.	10.3	44	6.0	2/32	20	45	65	1350		
NOON	10.3	47								
2 P.M.										
4 P.M.										

LINER SIZE: 5"x14" STROKE

MUD & CHEMICALS

LBS. Added	KIND
700#	Super Coh.
100#	Caustic
200#	PERTEX

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
6 P.M.	10.3	46			20	45	65	1350	7672	14°
8 P.M.	10.3	48	6.0	2/32						
10 P.M.										
12 P.M.										

LINER SIZE: _____ STROKE _____

MUD & CHEMICALS

Lbs. Added	KIND	LBS.	ON HAND

WORK RECORD — 12 - 8 TOUR

START	STOP	HRS.	
1300	2045	2¾	Drlg 6¼" hole
2045	3000	¼	Rig Service + BOP + Kelly Cock
3000	3230	½	Circ @ 7608 14½° N21E
3230	0800	4½	Drlg 6¼" hole

Fuel @ Noon 8000
Fuel @ Stop 7600
Fuel in Use 3000
Total 18,600

Fuel used 4/23/71 800 gals

BOP Tested ✓ — DRILLER: [illegible] — CONTRACTOR'S TIME — CO's. TIME

8 - 4 TOUR

START	STOP	HRS.	
800	945	1¾	Drlg 6¼" hole
945	1000	¼	Ser Rig + Hydril + Kelly Cock
1000	1600	6	Drlg 6¼" hole

BOP Tested ✓ — DRILLER: Ron Smith — CONTRACTOR'S TIME — CO's. TIME

4 - 12 TOUR

START	STOP	HRS.	
1700	2130	½	Circ 6¼" hole
2130	2145	¼	Rig Ser + BOP
2145	2345	½	Survey @ 7672
2345	0300	3	Drlg 6¼" hole
0300	1145	3½	Hoist Gil 10
1145	1300	¼	Ream

BOP Tested ✓ — DRILLER: Ron Smith — CONTRACTOR'S TIME — CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	7597	7631	34	7¼	6¼
REAMED					
CORED					

TALLY

No.		LENGTH
75	STANDS	1123.29
2	SINGLE	
15	D.C.'s	438.89
1	reamer	18.62
1	Stab	7.40
1	Sub	2.48
1	Jars	6.75
	KELLY IN	31.57
	TOTAL	7631.00
	RAT HOLE TOP	

BIT RECORD

BIT No.	10
SIZE	6¼
MAKE	Smith
TYPE	555
SERIAL	EW226
JET SIZE	3/16
FROM	7573
TO	7631
FOOTAGE	58
HRS.	13½
COND.	Ream

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	7631	7670	39'	7¾	6¼
REAMED					
CORED					

TALLY

No.		LENGTH
76	STANDS	7152.77
	SINGLE	
15	D.C.'s	438.89
1	reamer	18.62
1	Stab	9.40
1	Sub	2.48
1	Jars	6.75
	KELLY IN	39.69
	TOTAL	7670.00
	RAT HOLE TOP	

BIT RECORD

BIT No.	10
SIZE	6¼
MAKE	Smith
TYPE	555
SERIAL	EW226
JET SIZE	3-16
FROM	7573
TO	7670
FOOTAGE	97
HRS.	21¼
COND.	Ream

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	7670	7686	16'	3½	6¼
REAMED					
CORED					

TALLY

No.		LENGTH
76	STANDS	7154.77
1	SINGLE	31.00
15	D.C.'s	438.89
1	reamer	18.62
1	Stab	9.40
1	Sub	2.48
1	Jars	6.75
	KELLY IN	33.73
	TOTAL	7686.00
	RAT HOLE TOP	

BIT RECORD

BIT No.	10
SIZE	6¼
MAKE	Smith
TYPE	555
SERIAL	EW226
JET SIZE	3/16
FROM	7573
TO	7686
FOOTAGE	113'
HRS.	24¾
COND.	2-4-I

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	A Thomas	12
DERRICK	J Smithyke	12
MOTORMAN	D Tatlow	12
FLOORMAN	O Skelton	12
FLOORMAN	D Hendrie	12
FIREMAN		
	B.T. to Doc yesterday	12

REMARKS AND INJURIES:

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	Ron Smith	12
DERRICK	C Campbell	12
MOTORMAN	K. Wilson	12
FLOORMAN	L Johnson	12
FLOORMAN	M Schumacher	12
FIREMAN		

REMARKS AND INJURIES:

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: [illegible] APPROVED: [signature]

Mobil Oil Canada, Ltd.
DAILY DRILLING REPORT

DATE March 22/71 — No. 97 — No 97 DAILY TIME SHEET 3-35 (REV. 1/68)

FIELD or AREA: Hunes Kuns N 21 — WELL NAME & No. Mobil Hunes Kuns L-09 — CONTRACTOR Sut Drilling (Western) Co Ltd — RIG No. 1E — Well Mobil Hunes Kuns L-09 — Approved _____ Date March 22/71

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
2 A.M.	10.3	46			20	45	65	1350	7545	1 5/8
4 A.M.	10.3	46	6.0	2/32						
6 A.M.	10.3	46								
8 A.M.	10.3	45	6.0	2/32						

LINER SIZE: 5 STROKE 14

MUD & CHEMICALS

LBS. Added	KIND
250#	Supermix

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP 2 SPM	PUMP 2 PRESS	DEVIATION DEPTH	DEG.
10 A.M.	10.3	46	6.0	2/32	20	45	65	1350		
NOON										
2 P.M.										
4 P.M.										

TRIPPING

LINER SIZE: 5 x 14 STROKE

MUD & CHEMICALS

LBS. Added	KIND
200#	SUPER COL
100#	CAUSTIC

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP 2 SPM	PUMP 2 PRESS	DEVIATION DEPTH	DEG.
6 P.M.	10.3	45			20	45	65	1350		
8 P.M.	10.3	46								
10 P.M.	10.3	48								
12 P.M.	10.3	50								

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND
50	PROTECT M.		
1000	DIESEL F		

WORK RECORD — 12 - 8 TOUR

START	STOP	HRS.	
12	12:15	1/4	Log Survey & Depth
12:15	4:15	4	Drlg 6 1/4 hole
4:15	4:45	1/2	Survey @ 7545' 1 5/8° N 80E
4:45	8	3 1/4	Drlg 6 1/4 hole

Fuel Used 8800
Fuel Rec 7600
Fuel Rec 3800
Total 19,400

Crew Lost 1 Driller, 1 Derrickman, 1 Roughneck

BOP Tested ✓ — DRILLER: D.T. Evans — CONTRACTOR'S TIME — CO's. TIME

8 - 4 TOUR

START	STOP	HRS.	
8:00	11:00	3	Drlg 6 1/4" hole
11:00	11:30	1/2	Circulate Sample
11:30	3:00	3 1/2	Trip for Bit
3:00	3:15	1/4	Set Rig & BOPs
3:15	3:45	3/4	Run in w/ B.T. #10

BOP Tested ✓ — DRILLER: Hon Smith — CONTRACTOR'S TIME — CO's. TIME

4 - 12 TOUR

START	STOP	HRS.	
4:00	4:45	3/4	Ser. Rig & BOPs — Checked Rig Service okay.
4:45	5:45	1	Run in w/ B.T. #10
5:45	12:00	6 1/4	Drlg 6 1/4 hole

BOP Tested ✓ — DRILLER: Ron ? — CONTRACTOR'S TIME — CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	7525	7560	35'	7 1/4	6 1/4
REAMED					
CORED					

TALLY No.		LENGTH
75	STANDS	2057.89
	SINGLE	
15	D.C.'s	438.89
	mouse	18.62
	Stab	9.40
	Sub	2.46
	Jars	6.75
	KELLY IN	23.97
	TOTAL	7560.00
	RAT HOLE TOP	

BIT RECORD	
BIT No.	9
SIZE	6 1/4
MAKE	Smith
TYPE	33 S
SERIAL	CG 275
JET SIZE	3/16
FROM	7437
TO	7560
FOOTAGE	123
HRS.	23 3/4
COND.	

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	D.T. Evans	12
DERRICK	J. Southgate	12
MOTORMAN	G. Tolmie	12
FLOORMAN	A. Hulet	12
FLOORMAN	J. Kent	12
FIREMAN		

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	7560	7573	13'	3	6 1/4
REAMED					
CORED					

TALLY No.		LENGTH
25	STANDS	765.49
	SINGLE	
15	D.C.'s	139.09
	mouse	18.69
	3 Stab	9.40
	Jars	6.75
	Sub	2.46
	KELLY IN	36.97
	TOTAL	7573.00
	RAT HOLE TOP	

BIT RECORD	
BIT No.	9
SIZE	6 1/4
MAKE	Smith
TYPE	555
SERIAL	CG 275
JET SIZE	3-16
FROM	7437
TO	7573
FOOTAGE	136
HRS.	26 3/4
COND.	2-2-1

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	Hon Smith	12
DERRICK	C. Campbell	12
MOTORMAN	K. Wilson	12
FLOORMAN	L. Johnson	12
FLOORMAN	M. Scheuerman	12
FIREMAN	B. Tomaychuk	12

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	7573	7597	24	6 1/4	6 1/4
REAMED					
CORED					

TALLY No.		LENGTH
25	STANDS	759
1	SINGLE	30
15	D.C.'s	438.89
	mouse	18.62
	Stab	9.40
	Sub	2.46
	Jars	6.75
	KELLY IN	19.27
	TOTAL	7597.00
	RAT HOLE TOP	

BIT RECORD	
BIT No.	10
SIZE	6 1/4
MAKE	Smith
TYPE	555
SERIAL	CG 275
JET SIZE	3-16
FROM	7573
TO	7597
FOOTAGE	24
HRS.	6 1/4
COND.	

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: N.B. Galenza APPROVED: [signature]

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE 31 Jan 21/71

No. 96 DAILY TIME SHEET (REVISED 1-25)

FIELD or AREA: Home River W. WT WELL NAME & No. Mobil Home River L-09 CONTRACTOR: S.T. Drilling (Western) Ltd. RIG No. 15

Well Mobil Home River L-09

No. 96

Approved _____ Date 31 Jan 21/71

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
2 A.M.										
4 A.M.										
6 A.M.										
8 A.M.	10.3	46	6.0	2/32	20	45	65	1350		

LINER SIZE: 5 STROKE 14

MUD & CHEMICALS

LBS. Added	KIND

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
10 A.M.	10.3	46	6.0	2/32	20	45	65	1350	7482	15¾
NOON	10.3	46								
2 P.M.	10.3	48	6.4		10.5					
4 P.M.	10.3	48								

LINER SIZE: 5¼ 14" STROKE

MUD & CHEMICALS

LBS. Added	KIND
100#	Protecto Magic
2 BBL.	Diesel Fuel

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
6 P.M.	10.3	48			20	45	65	1350		
8 P.M.	10.3	49								
10 P.M.	10.3	48	6.4	2/32						
12 P.M.	10.3	45								

LINER SIZE: 5 STROKE 14

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: W. Valenza APPROVED: W. Hewett

WORK RECORD — 12 - 8 TOUR

START	STOP	HRS.	
12 MN	12:15	¼	Rig Service / Bops & Kelly cock
12:15	3:45	3½	Trip for bit #9
3:45	4:00	¼	Ream, NAR & Stb. bar
4:00	6:00	2	Trip in w/bit #9
6:00	8:00	1½	Drlg 6¼" hole

Fuel in Tank 8000
Fuel in Stor 7600
Fuel in Rig 4500
Total 20,100

Fuel used Stored 20/500 gals

BOP Tested ✓ DRILLER: R.L. Clarke CONTRACTOR'S TIME CO's. TIME

8 - 4 TOUR

START	STOP	HRS.	
8:00	8:15	¼	Drlg 6¼" hole
8:15	8:30	¼	Service Rig / BOPs - Kelly Cock.
8:30	3:15	6¾	Drlg 6¼" hole.
3:15	3:45	½	Survey @ 7482 15¾°
3:45	4:00	¼	Drlg 6¼" hole

BOP Tested ✓ DRILLER: Ron Smith CONTRACTOR'S TIME CO's. TIME

4 - 12 TOUR

START	STOP	HRS.	
4:00	10 MN	6	Drlg 6¼" hole
10 MN	10:15	¼	Rig Service / Bops & Kelly cock
10:15	12 MN	1¾	Drlg 6¼" hole

BOP Tested ✓ DRILLER: Ron Terry CONTRACTOR'S TIME CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	7437	7447	10'	1½	6¼
REAMED					
CORED					

TALLY No.		LENGTH
73	STANDS	6935.60
2	SINGLE	63.38
15	D.C.'s	438.89
1	Sub	19.62
3	Stbs	9.40
1	Sub	2.48
1	Jars	6.75
KELLY IN		37.80
TOTAL		7447.00
RAT HOLE TOP		

BIT RECORD		
BIT No.	8	9
SIZE	6¼	✓
MAKE	Smith	✓
TYPE	555	✓
SERIAL	CA312	CG275
JET SIZE	7/16	✓
FROM	7359	7437
TO	7437	7447
FOOTAGE	138'	10
HRS.	25¾	1½
COND.	2-5-1	Run

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	7447	7483	36'	7¼	6¼
REAMED					
CORED					

TALLY No.		LENGTH
74	STANDS	7000.03
1	SINGLE	
15	D.C.'s	438.89
1	Sub	19.62
3	Stbs	9.40
1	Sub	2.48
1	Jars	6.75
KELLY IN		7.83
TOTAL		7483.00
RAT HOLE TOP		

BIT RECORD	
BIT No.	9
SIZE	6¼
MAKE	Smith
TYPE	555
SERIAL	CG-275
JET SIZE	3-16
FROM	7437
TO	7483
FOOTAGE	46
HRS.	8¾
COND.	Run

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	7483	7525	42	7¼	6¼
REAMED					
CORED					

TALLY No.		LENGTH
74	STANDS	7000.03
2	SINGLE	40.32
15	D.C.'s	438.89
1	Sub	19.62
3	Stbs	9.40
1	Sub	2.48
1	Jars	6.75
KELLY IN		20.57
TOTAL		7525.00
RAT HOLE TOP		

BIT RECORD	
BIT No.	9
SIZE	6¼
MAKE	Smith
TYPE	555
SERIAL	CG-275
JET SIZE	3/16
FROM	7437
TO	7525
FOOTAGE	88'
HRS.	16¼
COND.	Run

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	D. Fleming	12
DERRICK	J. Smith	12
MOTORMAN	J. Wilson	12
FLOORMAN	D. Hilliard	12
FLOORMAN	J. Kinslie	12
FIREMAN		

REMARKS AND INJURIES:

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	Ron Smith	12
DERRICK	C. Campbell	12
MOTORMAN	K. Wilson	12
FLOORMAN	Lard Johnson	12
FLOORMAN	M. Semanyshyn	12
~~FIREMAN~~	B. Tomasychuk	12

REMARKS AND INJURIES:

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE Dec 20/71

No. 95 DAILY TIME SHEET 3-35 (REV. 1/68)

FIELD or AREA: Hume Plains N W T WELL NAME & No. Mobil Hume Plains L-09 CONTRACTOR S & T Drilling (Western) Co. Ltd RIG No. 12

No. 95

Well Mobil Hume Plains L-09

Approved _____ Date 7 hours 20/71

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
2 A.M.	10.3	46	6.0	2/32	20	45	65	1350		
4 A.M.	10.3	46								
6 A.M.	10.3	46	6.0	2/32						
8 A.M.	10.3	45								

LINER SIZE: 5" x 14" STROKE

MUD & CHEMICALS

LBS. Added	KIND

START	STOP	HRS.	WORK RECORD 12 - 8 TOUR
12[00]	12[45]	3/4	Drlg 6¼ hole
12[45]	1[00]	¼	Rig Service / Bops : Kelly cock
1[00]	8[00]	7	Drlg 6¼ hole

Fuel on hand 6600
Fuel to Stop 7600
Fuel to Drlg 5300
total 20,900

Fuel and Water 19 - 800 gals

BOP Tested ✓ DRILLER: D. Williams CONTRACTOR'S TIME CO's. TIME

START	STOP	HRS.	8 - 4 TOUR
8[00]	8[15]	¼	Sen. Rig J BOPs + kelly Cock.
8[15]	8[45]	½	Survey @ 7355. 19° N81E.
8[45]	4[00]	7¼	Drlg 6¼" hole.

BOP Tested ✓ DRILLER: Ron Smith CONTRACTOR'S TIME CO's. TIME

START	STOP	HRS.	4 - 12 TOUR
4[00]	8[30]	4½	Drlg 6¼ hole
8[30]	8[45]	¼	Rig Service / Bops : Kelly cock
8[45]	9[15]	½	Survey @ 7418 17½ N80E
9[15]	12[00]	2¾	Drlg 6¼ hole

BOP Tested — DRILLER: Ron Young CONTRACTOR'S TIME CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	7319	7355	36	7¼	6¼
REAMED					
CORED					

TALLY No.		LENGTH
22	STANDS	1349
2	SINGLE	65.38
15	D.C.'s	438.89
Reamer		18.62
Kelly		9.40
Sub		2.48
Float		6.75
KELLY IN		41.00
TOTAL		7355.63
RAT HOLE TOP		

BIT RECORD	
BIT No.	8
SIZE	6¼
MAKE	Smith
TYPE	555
SERIAL	CA312
JET SIZE	3/16
FROM	7299
TO	7355
FOOTAGE	56
HRS.	11¼
COND.	Run

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	D. Williams	12
DERRICK	J. Smith	12
MOTORMAN	S. Wilson	12
FLOORMAN	D. Herbert	12
FLOORMAN	G. Kwelis	12
FIREMAN		

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	7355	7394	39	7¼	6¼
REAMED					
CORED					

TALLY No.		LENGTH
73	STANDS	1401.55
1	SINGLE	
15	D.C.'s	438.89
1	Reamer	18.62
		9.40
		2.48
		6.75
KELLY IN		16.51
TOTAL		7394.00
RAT HOLE TOP		

BIT RECORD	
BIT No.	8
SIZE	6¼
MAKE	Smith
TYPE	555
SERIAL	CA312
JET SIZE	3-16
FROM	7299
TO	7394
FOOTAGE	95
HRS.	18½
COND.	Run

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	Ron Scovill	12
DERRICK	C. Campbell	12
MOTORMAN	K. Wilson	12
FLOORMAN	L. Johnson	12
FLOORMAN	D. Schoppenen	12
~~FIREMAN~~	B. Teodoychuk	12

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	7394	7437	43	7¼	6¼
REAMED					
CORED					

TALLY No.		LENGTH
73	STANDS	1406
2	SINGLE	69.37
15	D.C.'s	438.89
	Reamer	18.62
	Kelly	9.40
	Sub	2.48
	Float	6.75
KELLY IN		21.80
TOTAL		7437.10
RAT HOLE TOP		

BIT RECORD	
BIT No.	8
SIZE	6¼
MAKE	Smith
TYPE	555
SERIAL	CA312
JET SIZE	3-16
FROM	7299
TO	7437
FOOTAGE	138
HRS.	25 3/4
COND.	Run

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE 2PM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
6 P.M.	10.3	45			20	45	65	1350	7448	17½
8 P.M.	10.3	45								
10 P.M.	10.3	46	6.0	2/32						
12 P.M.	10.3	46								

LINER SIZE: 5 x 14 STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP 2 SPM	PUMP 2 PRESS	DEVIATION DEPTH	DEG.
10 A.M.	10.7	45		2/32	20	45	65	1350	7355	19°
NOON	10.7	45	6.0	2/32						
2 P.M.	10.3	46								
4 P.M.	10.3	45								

LINER SIZE: 5 x 14" STROKE

MUD & CHEMICALS

LBS. Added	KIND
51#	Caustic

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: B. Belenja APPROVED: D. Harwell

Mobil Oil Canada, Ltd.
DAILY DRILLING REPORT

DATE Nov 19/71

No. 94 DAILY TIME SHEET (REV. 1/68)

FIELD or AREA: Home Rainbow WELL NAME & No. Sofa Oil Home Rainbow L.09 CONTRACTOR Sig Drilling (Western) Co Ltd RIG No. 12

No. 94

Well Mobil Home Rainbow L-09

Approved _____ Date Nov 19/71

TIME	MUD RECORD WT.	VISC.	W.L.	F.C	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
2 A.M.	10.3	44	6.2	2/32	20	45	65	1350		
4 A.M.	10.4	49								
6 A.M.	10.4	45								
8 A.M.	10.4	49	6.0	2/32						

LINER SIZE: 5 x 14 STROKE

MUD & CHEMICALS

LBS. Added	KIND

START	STOP	HRS.	WORK RECORD 12 - 8 TOUR
1500	0400	4½	Drlg 6¼ hole
0400	0430	½	Rig Service / Repair Kelly Cock
0430	0800	3½	Drlg 6¼ hole

Fuel on Hand 8000
Fuel @ Shop 7600
Fuel @ Rig 6100
21,700

Fuel used Nov 18/71 780 gals

BOP Tested ✓ DRILLER: B Clemens CONTRACTOR'S TIME CO's. TIME

START	STOP	HRS.	8 - 4 TOUR
0400	1115	7¼	Drlg 6¼" hole
1115	1130	¼	Ser. Rig & BOP
1130	1200	½	Survey @ 7292 19° N 81 E
1200	2000	8	Drlg 6¼" hole
2000	2100	1	Trip for Bit

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	7240	7278	38	7¼	6¼
REAMED					
CORED					

TALLY		LENGTH
72	STANDS	678.47
	SINGLE	
15	D.C.'s	438.89
1	Monel	18.62
3	Stabs	9.40
1	Sub	2.48
	Jars	6.75
	KELLY IN	26.39
	TOTAL	7278.60
	RAT HOLE TOP	

BIT RECORD	
BIT No.	7
SIZE	6¼
MAKE	Smith
TYPE	555
SERIAL	DF401
JET SIZE	3/16
FROM	7232
TO	7278
FOOTAGE	46
HRS.	9½
COND.	1-1

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	B Clemens	12
DERRICK	J Swirsky	12
MOTORMAN	J Wilson	12
FLOORMAN	C Hulbert	12
FLOORMAN	J Kwatis	12
FIREMAN		

REMARKS AND INJURIES:

TIME	MUD RECORD WT.	VISC.	W.L.	F.C	BIT WT. M	TABLE RPM	PUMP 2 SPM	PRESS	DEVIATION DEPTH	DEG.
10 A.M.	10.4	50	6.0	2/32	20	45	65	1350	7292	19°
NOON	10.5	49								
2 P.M.	10.4	49								
4 P.M.										

LINER SIZE: 5 x 14" STROKE

MUD & CHEMICALS

LBS. Added	KIND
100	Drilzite Magic
2 Gals.	Diesel Fuel

BOP Tested ✓ DRILLER: Ron Swirsky CONTRACTOR'S TIME CO's. TIME

START	STOP	HRS.	4 - 12 TOUR
1100	1530	4½	Trip for Bit
1530	1545	¼	Ser Rig & Blind Rams.
1545	1830	2¾	Run in w/Bit 8
1830	2400	5½	Drlg 6¼ hole

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	7278	7299	21	5¼	6¼
REAMED					
CORED					

TALLY		LENGTH
72	STANDS	680.29
1	SINGLE	
15	D.C.'s	438.89
1	Monel	18.62
3	Stabs	9.40
1	Jars	6.75
1	Sub	2.48
	KELLY IN	15.57
	TOTAL	7299.00
	RAT HOLE TOP	

BIT RECORD	
BIT No.	7
SIZE	6¼
MAKE	Smith
TYPE	555
SERIAL	DF401
JET SIZE	3-16
FROM	7232
TO	7299
FOOTAGE	67
HRS.	14¾
COND.	1-1-1

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	Ron Swirsky	12
DERRICK	Flint Campbell	12
MOTORMAN	Hec. Wilson	12
FLOORMAN	Lloyd Johnson	12
FLOORMAN	M Schwegaya	12
FIREMAN		

REMARKS AND INJURIES:

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
6 P.M.					20	45	65	1350		
8 P.M.										
10 P.M.	10.3	46	6.0	2/32						
12 P.M.	10.3	46								

LINER SIZE: 5 x 14 STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

BOP Tested _____ DRILLER: Ron & Gary CONTRACTOR'S TIME CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	7299	7319	20	3½	6¼
REAMED					
CORED					

TALLY		LENGTH
72	STANDS	680.29
1	SINGLE	6.80
15	D.C.'s	438.89
1	Monel	18.62
3	Stabs	9.40
1	Jars	6.75
1	Sub	2.48
	KELLY IN	35.57
	TOTAL	7319.00
	RAT HOLE TOP	

BIT RECORD	
BIT No.	8
SIZE	6¼
MAKE	Smith
TYPE	555
SERIAL	DF312
JET SIZE	3-16
FROM	7299
TO	7319
FOOTAGE	20
HRS.	3½
COND.	

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER M Belenya APPROVED: L Howell

Mobil Oil Canada, Ltd.
DAILY DRILLING REPORT

DATE Nov 18/71

No. 53 — DAILY TIME SHEET 3-35 (REV. 1/68)

FIELD or AREA: Hines Creek N.W.T. WELL NAME & No. Mobil Hines Creek et al 6-09 CONTRACTOR Kelly Western Co #6 RIG No. 1E No. 43

Well Mobil Hines Creek et al 6-09 Approved _____ Date Nov/18/71

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
2 A.M.	10.3	46			20	45	65	1350		
4 A.M.	10.3	46								
6 A.M.	10.3	46	6.2	2/32						
8 A.M.	10.3	46								

LINER SIZE: 5 x 14 STROKE

MUD & CHEMICALS

LBS. Added	KIND

START	STOP	HRS.	WORK RECORD — 12 - 8 TOUR
12:00	12:15	1/4	Rig Service & Repair & Kelly cock
12:15	8:00	7 3/4	Drlg 6 1/4" hole

Fuel on Hand 8,000
Fuel a Strip 7800
Fuel a Leg 6,880
22,680

Fuel used since 7 - 920 gals

BOP Tested

DRILLER: S T Elkins CONTRACTOR'S TIME CO's. TIME

START	STOP	HRS.	8 - 4 TOUR
8:00	12:45	4 3/4	Drlg 6 1/4" hole
12:45	1:00	1/4	Ser. Rig & B.O.P's & Kelly Cock.
1:00	1:30	1/2	Survey @ 7229' 18 3/4°
1:30	2:30	1	Drlg 6 1/4" hole
2:30	3:00	1/2	Circulate Sample
3:00	4:00	1	Trip for Bit

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	7167	7204	37	7 3/4	6 1/4
REAMED					
CORED					

TALLY No.		LENGTH
71	STANDS	6644.83
1	SINGLE	30.19
15	D.C.'s	438.89
1	Monel	18.62
3	Stab	9.40
	Sub	2.48
	Jars	6.75
KELLY IN		15.79
TOTAL		7264.00
RAT HOLE TOP		

BIT RECORD

BIT No.	6
SIZE	6 1/4
MAKE	Smith
TYPE	355
SERIAL	ED793
JET SIZE	3/16
FROM	7103
TO	7204
FOOTAGE	101
HRS.	21 1/2
COND.	New

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	S T Elkins	12
DERRICK	J Switzyk	12
MOTORMAN	J Wilson	12
FLOORMAN	S Hulbert	12
FLOORMAN	S Hunde	12
FIREMAN		

REMARKS AND INJURIES:

	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
10 A.M.	10.4	46			20	45	65	1350	7229'	18 3/4
NOON	10.4	46	6.2	2/32						
2 P.M.										
4 P.M.	trip									

LINER SIZE: 5 x 14" STROKE

MUD & CHEMICALS

LBS. Added	KIND
100	PHPTECTO MAGIC
200	SAPER Col
2625	DIESEL FUEL

BOP Tested ✓

DRILLER: Ron Savill CONTRACTOR'S TIME CO's. TIME

START	STOP	HRS.	4 - 12 TOUR
4:00	6:30	2 1/2	trip for Bit
6:30	6:45	1/4	Ser. Rig & Blind Rams
6:45	8:45	2	Run in w/ Bit # 7 & 52 DC's
8:45	9:15	1/2	Slip & Cut drlg line
9:15	9:45	1/2	Service Rig & Eq. 1 = 7
9:45	10:45	1/2	Clean to Btm
10:45	12:00	1 1/4	Drlg 6 1/4" hole

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	7204	7232	28'	5 3/4	6 1/4
REAMED					
CORED					

TALLY No.		LENGTH
71	STANDS	
2	SINGLE	6743.74
15	D.C.'s	438.89
1	Monel	18.62
2	Stab	9.40
	Sub	2.48
	Jars	6.75
KELLY IN		12.12
TOTAL		7232.00
RAT HOLE TOP		

BIT RECORD

BIT No.	6
SIZE	6 1/4
MAKE	Smith
TYPE	
SERIAL	555
JET SIZE	3/16
FROM	7103
TO	7232
FOOTAGE	129'
HRS.	27 1/4
COND.	2-8-1

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	Ron Savill	12
DERRICK	C. Campbell	12
MOTORMAN	K. Wilson	12
FLOORMAN	L. Johnson	12
FLOORMAN	D. Schaapveyer	12
FIREMAN		

REMARKS AND INJURIES:

	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
6 P.M.										
8 P.M.										
10 P.M.										
12 P.M.	10.3	49	6.2	1/32	20	45	65	1350		

LINER SIZE: 5 x 14 STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

BOP Tested ✓

DRILLER: Ron Savill CONTRACTOR'S TIME CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	7232	7240	8	1 3/4	6 1/4
REAMED					
CORED					

TALLY No.		LENGTH
71	STANDS	6743.74
2	SINGLE	
15	D.C.'s	438.89
1	Monel	18.62
3	Stab	9.40
	Sub	2.48
	Jars	6.75
KELLY IN		19.12
TOTAL		7240.00
RAT HOLE TOP		

BIT RECORD

BIT No.	7
SIZE	6 1/4
MAKE	Smith
TYPE	555
SERIAL	DF408
JET SIZE	3-16
FROM	7232
TO	7240
FOOTAGE	8
HRS.	1 3/4
COND.	New

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE: _____ TOOL PUSHER: V B Galeza APPROVED: A Newell

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE 2 Jan 17/71

No. 92 DAILY TIME SHEET 3-35 (REV. 1/68)

Well Mobil Home Knee L-09

FIELD or AREA: Home Knee L-09 WELL NAME & No. Mobil Home Knee L-09 CONTRACTOR Sol Drilling (Western) Ltd RIG No. 1E No. 92

Approved _____ Date 3 Jan 17/71

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
2 A.M.									7103	20°
4 A.M.										
6 A.M.										
8 A.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND
	Sand Trap for 3 days
	Gypsum
	Lime

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
10 A.M.	10.3	47	6.0	2/32	20	115	65	1325		
NOON	10.3	47								
2 P.M.	10.3	47	5.9	2/32						
4 P.M.	10.3	47								

LINER SIZE: 5x14" STROKE

MUD & CHEMICALS

LBS. Added	KIND

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
6 P.M.	10.3	47	6.0	2/32	20	115	65	1325	7167	19½
8 P.M.	10.3	47								
10 P.M.	10.3	47	6.0	2/32						
12 P.M.	10.3	46								

LINER SIZE: 5x14 STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

WORK RECORD — 12 - 8 TOUR

START	STOP	HRS.	
12⁰⁰	1⁰⁰	1	Drlg 6¼" hole
1⁰⁰	1¹⁵	¼	Rig Service / Bops + Kelly cock
1¹⁵	1⁴⁵	½	Survey @ 7103 20° N 26 E
1⁴⁵	2¹⁵	½	Short Circ
2¹⁵	5⁴⁵	3½	Hoist for bit
5⁴⁵	6⁰⁰	¼	Ream
6⁰⁰	6¹⁵	¼	Make up bit #6 + Clean up 385 stds @ 55'
6¹⁵	8⁰⁰	1¾	Run 3½ DP + bit #6

NBR + 385 @ 25 : 55'

Fuel @ Rig 8000
Fuel @ Strip 7800
Fuel @ Rig 7800
Total 23500
Fuel used March 16 - 877 gals

BOP Tested ✓ DRILLER: S Clemens CONTRACTOR'S TIME CO's. TIME

8 - 4 TOUR

START	STOP	HRS.	
8⁰⁰	8⁴⁵	¾	Run in w/13 jts #6
8⁴⁵	9⁰⁰	¼	Service B.O.P. - Kelly Cock.
9⁰⁰	9³⁰	½	Clean To Bottom
9³⁰	4⁰⁰	6½	Drlg 6¼" hole

BOP Tested ✓ DRILLER: Ron Smith CONTRACTOR'S TIME CO's. TIME

4 - 12 TOUR

START	STOP	HRS.	
4⁰⁰	5³⁰	1½	Drlg 6¼" hole
5³⁰	5⁴⁵	¼	Rig Service + BOP
5⁴⁵	11³⁰	5¾	Drlg 6¼" hole
11³⁰	12⁰⁰	½	Survey @ 7167 19½ N 7 E

BOP Tested ✓ DRILLER: Ron Young CONTRACTOR'S TIME CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	7099	7103	4	1	6¼
REAMED					
CORED					

TALLY

No.		LENGTH
70	STANDS	6588.99
1	SINGLE	31.55
15	D.C.'s	438.89
1	Monel	18.62
3	Stab	9.40
1	Sub	2.48
1	Jars	6.75
	KELLY IN	6.32
	TOTAL	7103.00
	RAT HOLE TOP	

BIT RECORD

BIT No.	5		6
SIZE	6½		6¼
MAKE	Sm. H.		Smith
TYPE	555		555
SERIAL	GW479		ED793
JET SIZE	7/16		
FROM	6973		
TO	7103		
FOOTAGE	130'		
HRS.	18¾		
COND.	3-4-1		

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	S Clemens	12
DERRICK	J Smith	12
MOTORMAN	J Wilson	12
FLOORMAN	D Herbert	12
FLOORMAN	J Kinch	12
FIREMAN		

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	7103	7133	30	6½	6¼
REAMED					
CORED					

TALLY

No.		LENGTH
70	STANDS	6588.99
1	SINGLE	31.55
15	D.C.'s	438.89
1	Monel	18.62
3	Stab	9.40
1	Sub	2.48
1	Jars	6.75
	KELLY IN	36.32
	TOTAL	7133.00
	RAT HOLE TOP	

BIT RECORD

BIT No.	6		
SIZE	6¼		
MAKE	Smith		
TYPE	555		
SERIAL	ED793		
JET SIZE	3-16		
FROM	7103		
TO	7133		
FOOTAGE	30		
HRS.	6½		
COND.	Run		

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	Ron Smith	12
DERRICK	C Campbell	12
MOTORMAN	K. Wilson	12
FLOORMAN	L. Johnson	12
FLOORMAN	M. Thayer-yer	12
FIREMAN		

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	7133	7167	34	7¼	6¼
REAMED					
CORED					

TALLY

No.		LENGTH
70	STANDS	6588.99
2	SINGLE	61.28
15	D.C.'s	438.89
1	Monel	18.62
3	Stab	9.40
1	Sub	2.48
1	Jars	6.75
	KELLY IN	41.60
	TOTAL	7167.41
	RAT HOLE TOP	

BIT RECORD

BIT No.	6		
SIZE	6¼		
MAKE	Smith		
TYPE	555		
SERIAL	ED793		
JET SIZE	3-16		
FROM	7103		
TO	7167		
FOOTAGE	64		
HRS.	13½		
COND.	Run		

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: AB Galanga APPROVED: E Maxwell

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE Nov 16/71 — No. 91 — DAILY TIME SHEET 3-35 (REV. 11/68)

FIELD or AREA: Homeglen Rainier or W.T. WELL NAME & No. Mobil Homeglen Rainier L-09 CONTRACTOR S-T Drilling (Alberta) Co. Ltd. RIG No. 15

Well Mobil Homeglen Rainier L-09 — Approved _____ Date Nov 16/71

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEVIATION DEG.
2 A.M.	10.2	46			20	45	65	1325	7008	21½
4 A.M.	10.2	45								
6 A.M.	10.2	48	6.0	2/32						
8 A.M.	10.2	48								

LINER SIZE: 5 x 14 STROKE

MUD & CHEMICALS

LBS. Added	KIND
200	Supacole

START	STOP	HRS.	WORK RECORD — 12 - 8 TOUR
12:00	12:30	½	Drlg 6¼" hole
12:30	12:45	¼	Rig Service & Bypass Kellycock
12:45	1:15	½	Survey @ 7008 - 21½° N 76 E
1:15	8:00	6¾	Drlg 6¼" hole

Fuel at Homeglen 8000
Fuel at Ship 7800
Fuel at Rig 8677
Fuel Used 24377
Fuel used today 15 - 1004 gals

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	7006	7038	38	7¼	6¼
REAMED					
CORED					

TALLY No.		LENGTH
69	STANDS	6454.34
1	SINGLE	31.66
15	D.C.'s	438.89
	Swivel	18.62
	Subs	2.48
	Stabs	6.45
	Jars	6.75
	KELLY IN	38.51
	TOTAL	7038.00
	RAT HOLE TOP	

BIT RECORD	
BIT No.	5
SIZE	6¼
MAKE	Smith
TYPE	55J
SERIAL	DW478
JET SIZE	3/16
FROM	6973
TO	7038
FOOTAGE	65
HRS.	13¼
COND.	Run

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	E. Klemens	12
DERRICK	J. Smethyke	12
MOTORMAN	J. Wilson	12
FLOORMAN	P. Hibbert	12
FLOORMAN	J. Hindi	12
FIREMAN		

REMARKS AND INJURIES:

	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEVIATION DEG.
10 A.M.	10.3	43	6.0	2/32	20	45	65	1325		
NOON	10.3	44								
2 P.M.	10.3	44	9.4	1.0						
4 P.M.	10.3	46								

LINER SIZE: 5 x 14 STROKE

MUD & CHEMICALS

LBS. Added	KIND
100#	PROTECTO MAGIC
330 gal	DIESEL FUEL

BOP Tested ✓ — DRILLER: E. Klemens — CONTRACTOR'S TIME — CO's. TIME

START	STOP	HRS.	8 - 4 TOUR
8:00	8:15	¼	Drlg 6¼" hole
8:15	8:30	¼	Ser. Rig & BOP + Kelly Cocks
8:30	9:00	½	Survey @ 7040 (pilot run)
9:00	4:00	7	Drlg 6¼" hole

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	7034	7067	29	7	6¼
REAMED					
CORED					

TALLY No.		LENGTH
69	STANDS	
2	SINGLE	65.72
15	D.C.'s	438.89
	Swivel	18.62
	Subs	2.48
	Stabs	6.45
	Jars	6.75
	KELLY IN	37.46
	TOTAL	7067.00
	RAT HOLE TOP	

BIT RECORD	
BIT No.	5
SIZE	6¼
MAKE	Smith
TYPE	55J
SERIAL	DW478
JET SIZE	3-16
FROM	6973
TO	7067
FOOTAGE	94
HRS.	20½
COND.	Run

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	Ron Savill	12
DERRICK	C. Campbell	12
MOTORMAN	K. Wilson	12
FLOORMAN	L. Johnson	12
FLOORMAN	M. McHargue	12
FIREMAN		

REMARKS AND INJURIES:

	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEVIATION DEG.
6 P.M.	10.3	46					65	1325	7071	20½
8 P.M.	10.3	46								
10 P.M.	10.3	47								
12 P.M.	10.3	47	9.4	1.0						

LINER SIZE: 5" x 14 STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

BOP Tested ✓ — DRILLER: Ron Savill — CONTRACTOR'S TIME — CO's. TIME

START	STOP	HRS.	4 - 12 TOUR
4:00	5:00	1	Drlg 6¼" hole
5:00	5:15	¼	Ser. Rig & BOP
5:15	5:45	½	Survey @ 7071 21½° N 79 E
5:45	12:00	6¼	Drlg 6¼" hole

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	7067	7099	32	7¼	6¼
REAMED					
CORED					

TALLY No.		LENGTH
70	STANDS	6585.99
	SINGLE	
15	D.C.'s	438.89
	Swivel	18.62
	Subs	2.48
	Jars	6.75
	Stabs	6.45
	KELLY IN	36.82
	TOTAL	7099.00
	RAT HOLE TOP	

BIT RECORD	
BIT No.	5
SIZE	6¼
MAKE	Smith
TYPE	55J
SERIAL	DW478
JET SIZE	3-16
FROM	6973
TO	7099
FOOTAGE	126
HRS.	19½
COND.	Run

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

BOP Tested ✓ — DRILLER: Ron Savill — CONTRACTOR'S TIME — CO's. TIME

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: _____ APPROVED: E. Klemens

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE 2/Jan/15/71

No. 90 DAILY TIME SHEET 3-35 (REV. 1/68)

Well Mobil Home Rivers L-04

FIELD or AREA: Home Rivers N.W.T. WELL NAME & No. Mobil Home Rivers L-04 CONTRACTOR S.T. Drilling (Western) Co. Ltd. RIG No. 1E

No. 90

Approved _____ Date 2 Jan/71

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
2 A.M.							65	1225		
4 A.M.										
6 A.M.	10.3	47	6.0	1/32						
8 A.M.	10.3	47								

LINER SIZE: 5 x 14 STROKE

MUD & CHEMICALS

LBS. Added	KIND

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP 2 SPM	PUMP 2 PRESS	DEVIATION DEPTH	DEG.
10 A.M.	10.2	50			5	48	65	1325		
NOON	10.2	48								
2 P.M.	10.2	48	6.0	1/32						
4 P.M.	10.2	48								

LINER SIZE: 5x14" STROKE

MUD & CHEMICALS

LBS. Added	KIND

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
6 P.M.	10.2	46			16	48	65	1325	6975	21½
8 P.M.	10.2	48								
10 P.M.	10.2	46	6.0	1/32						
12 P.M.	10.2	46								

LINER SIZE: 5x14 STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND
100	CAUSTIC		
100	PENTEX		
200	PROTECTO		
2 BBLS	DIESEL		

WORK RECORD — 12 - 8 TOUR

START	STOP	HRS.	
1900	1915	¼	Rig Service & Rams
1915	1945	1½	Take up DCR; TBS 5 stds, Rem. in derr. & L.D.S. Inserting jarring joint & inspect same visually
1945	3350	1¼	Run in w/ BHA #5 to 5200'
3350	4015	¾	Slip & Cut drlg line
4015	4045	½	Trip in hole to 6200'
4045	800	3¼	Reaming 6¾" hole to 6¼ from 6200'

Used NSR plus TBS @ 25'

Fuel in Rivers 8000

Fuel in Strip 5600

Fuel in Lic 6881

Tot'l - 20481 gals

Fuel used Yesterday 14 - 719 gals

BOP Tested ✓ DRILLER: S.T. Klimm CONTRACTOR'S TIME CO's. TIME

8 - 4 TOUR

START	STOP	HRS.	
800	815	¼	Ser. Rig & BOP
815	400	7¾	Reaming 6¾ hole To 6¼" From 6442 To 6946

BOP Tested ✓ DRILLER: Ron CONTRACTOR'S TIME CO's. TIME

4 - 12 TOUR

START	STOP	HRS.	
400	512	1¼	Reaming From 6946 To 6973
512	545	½	DR26. 6¼" hole
545	600	¼	Ser. Rig & BOP & Kelly Cock.
600	630	½	Survey @ 6975 21¾° N 75 E
630	1200	5½	Drlg 6¼" hole

Fuel Brought in 2800 gallons

BOP Tested ✓ DRILLER: Ron CONTRACTOR'S TIME CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	6973				
REAMED	6200	6442	242	3¼	6¼
CORED					

TALLY

No.		LENGTH
63	STANDS	592.81
	SINGLE	
15	D.C.'s	138.89
1	monel	18.62
1	Sub	2.48
1	BS NER	6.45
1	Jars	6.75
	KELLY IN	41.00
	TOTAL	6442.00
	RAT HOLE TOP	

BIT RECORD

BIT No.	5
SIZE	6¼
MAKE	Smith
TYPE	555
SERIAL	BW478
JET SIZE	3/16
FROM	6973
TO	
FOOTAGE	
HRS.	
COND.	

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	O. Klimm	12
DERRICK	J. Sunyk	12
MOTORMAN	J. Nelson	12
FLOORMAN	B. Hurlburt	12
FLOORMAN	J. Hurlie	12
FIREMAN		

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED	6942	6946	504	7¾	6¼
CORED					

TALLY

No.		LENGTH
64	STANDS	596.160
2	SINGLE	
15	D.C.'s	138.89
1	monel	18.62
1	Sub	2.48
1	Stab.	6.45
1	Jars	6.75
	KELLY IN	41.00
	TOTAL	6946.00
	RAT HOLE TOP	

BIT RECORD

BIT No.	5
SIZE	6¼
MAKE	Smith
TYPE	555
SERIAL	BW478
JET SIZE	3-16
FROM	6973
TO	
FOOTAGE	
HRS.	
COND.	

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	Ron Smith	12
DERRICK	C. Campbell	12
MOTORMAN	K. Wilson	12
FLOORMAN	L. Johnson	12
FLOORMAN	M. Schaapveyer	12
FIREMAN		

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	6973	7006	33	6	6¼
REAMED	6946	6973	27	1 7/12	6¼
CORED					

TALLY

No.		LENGTH
64	STANDS	596.160
	SINGLE	
15	D.C.'s	138.89
1	Sub	18.62
1	Stab	2.48
1	Jars	6.45
		6.75
	KELLY IN	35.47
	TOTAL	7006.00
	RAT HOLE TOP	

BIT RECORD

BIT No.	5
SIZE	6¼
MAKE	Smith
TYPE	555
SERIAL	BW478
JET SIZE	3-16
FROM	6973
TO	7006
FOOTAGE	33
HRS.	6
COND.	

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: A.B. Gabruye APPROVED: L. Thurlow

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE 2 Mar 14/71

No. 84 DAILY TIME SHEET 3-25 (REV. 1/68)

FIELD or AREA: Home River N.W.T. WELL NAME & No. Mobil Home River L-04 CONTRACTOR S.T. Drilling (Western) Co. Ltd. RIG No. 1E No. 84

Well Mobil Home River L-04

Approved _____ Date 2 Mar 14/71

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
2 A.M.	10.3	45	6.0	7/32	6	-	65	1650	6905	22
4 A.M.	10.3	47								
6 A.M.	10.3	46	6.0	7/32						
8 A.M.	10.3	46								

LINER SIZE: 5x14 STROKE

MUD & CHEMICALS

LBS. Added	KIND

START	STOP	HRS.	WORK RECORD 12 - 8 TOUR
12:00	4:30	4½	Daily 6¼" hole w/ Dyna drill
4:30	4:45	¼	Rig Service & Boys + Kelly Cock
4:45	5:30	¾	Survey 6905 - 22° N66E
5:30	6:00	9½	Daily 6¼" hole w/ Dyna drill

Fuel on Hand 6600
Fuel in Stove 2800
Fuel in Rig 7600
Total 16,400 gal on hand

Fuel used 13/71 700 gal

BOP Tested ✓

DRILLER: S.T. Drilling CONTRACTOR'S TIME CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	6935	6952	17	7	6¼
REAMED					
CORED					

TALLY No.		LENGTH
70	STANDS	6590.42
1	SINGLE	31.56
9	D.C.'s	265.31
1	monel	18.62
1	Sub	6.75
1	Kelly Saver Sub	3.11
1	Dyna	19.73
	KELLY IN	17.00
	TOTAL	6952.00
	RAT HOLE TOP	

BIT RECORD	
BIT No.	4
SIZE	6¼
MAKE	Chris
TYPE	O
SERIAL	KC 3710 S
JET SIZE	
FROM	6200
TO	6952
FOOTAGE	752
HRS.	152½
COND.	Run

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	B. Whitman	12
DERRICK	J. Sweetnam	12
MOTORMAN	S. Nelson	12
FLOORMAN	B. Herbert	12
FLOORMAN	J. Hendrie	12
FIREMAN		

REMARKS AND INJURIES:

MUD RECORD	WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP 2 SPM	PUMP 2 PRESS	DEVIATION DEPTH	DEG.
10 A.M.	10.3	45	6.0	7/32	6	—	65	1650		
NOON	10.3	45								
2 P.M.	10.3	46								
4 P.M.	10.3	46								

LINER SIZE: 5 x 14" STROKE

MUD & CHEMICALS

LBS. Added	KIND
100	Protecto Magic
2200	Diesel Fuel
150	Soda Ash

START	STOP	HRS.	8 - 4 TOUR
8:00	3:45	7¾	Daily 6¼" hole w/ Dyna Drill
3:45	4:00	¼	Ser. Rig + BOP + Kelly Cock.

2800 gals fuel Hauled by Vapord from Norman Wells

BOP Tested

DRILLER: Ron Sewell CONTRACTOR'S TIME CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	6952	6973	21	7¾	6¼
REAMED					
CORED					

TALLY No.		LENGTH
70	STANDS	
2	SINGLE	61.69
9	D.C.'s	265.31
1	monel	18.62
1	Sub	6.75
1	Kelly Saver Sub	3.11
1	Dyna Drill	19.73
	KELLY IN	7.79
	TOTAL	6973.00
	RAT HOLE TOP	

BIT RECORD	
BIT No.	4A
SIZE	6¼
MAKE	Chris
TYPE	◇
SERIAL	KC 3710 S
JET SIZE	—
FROM	6200
TO	6973
FOOTAGE	773
HRS.	160¼
COND.	Good

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	Ron Sewell	12
DERRICK	C. Campbell	12
MOTORMAN	K. Wilson	12
FLOORMAN	L. Johnson	12
FLOORMAN	M. Schnupmaga	12
FIREMAN		

REMARKS AND INJURIES:

MUD RECORD	WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
6 P.M.					6¼	—	65	1650	6936	22¼
8 P.M.										
10 P.M.										
12 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

START	STOP	HRS.	4 - 12 TOUR
4:00	4:30	½	Survey @ 6936 22¼ N.69.E
4:30	4:45	¼	Circ
4:45			Trip out Pump out 2 singles @ 6900 To 6830'
	7:45	3	Hole Tight - Pull into Casing + Lay down Singles
7:45	9:30	1¾	Work on Light Plants
9:30	11:30	2	Finish Trip out
11:30	12:00	½	Handle Monel + Dyna drill

BOP Tested

DRILLER: Ron CONTRACTOR'S TIME CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	6973				
REAMED					
CORED					

TALLY No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
	KELLY IN	
	TOTAL	
	RAT HOLE TOP	

BIT RECORD	
BIT No.	
SIZE	
MAKE	
TYPE	
SERIAL	
JET SIZE	
FROM	
TO	
FOOTAGE	
HRS.	
COND.	

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER B. Whitman APPROVED: K. Howell

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE April 13/71 — No. 52 — DAILY TIME SHEET 3-35 (REV. 1 1/68)

FIELD or AREA: Flume Kaiser N & W I — WELL NAME & No. Mobil Flume Kaiser L-69 — CONTRACTOR S.T. Drilling (Saskatchewan) Co. Ltd. — RIG No. 16 — No. 88

Well Mobil Flume Kaiser L-69 — Approved _____ Date April 14/71

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
2 A.M.	10.3	49	6.0	2/32	6	-	65	1650	6812	23¼
4 A.M.	10.3	48								
6 A.M.	10.3	49	6.0	2/32						
8 A.M.	10.3	49								

LINER SIZE: 5 x 14 STROKE

MUD & CHEMICALS

LBS. Added	KIND

START	STOP	HRS.	WORK RECORD — 12 - 8 TOUR
1300	1515	1¼	Daily 6¼" hole w/Dyna drill
1515	1530	¼	Ring Services / Bypass Kelly cock
1530	2015	4¾	Survey @ 6812 23¼° N58E
2015	900	5¾	Daily 6¼" hole w/Dyna drill

Fuel on hand 8000 gals
Fuel + Lay 8200
Fuel used rebuild 12 - 1180 gals
Fuel on hand 16,300 gals

BOP Tested ✓ — DRILLER: D.T. Clinton — CONTRACTOR'S TIME — CO's. TIME

TOUR	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	6841	6873	32'	7	6¼
REAMED					
CORED					

TALLY No.		LENGTH
69	STANDS	6797
1	SINGLE	67
9	D.C.'s	265.31
Smith		18.62
Sperry		6.75
Dyna		19.73
Sub		3.11
KELLY IN		32.43
TOTAL		6873.00
RAT HOLE TOP		

BIT RECORD: BIT No. 4 — SIZE 6¼ — MAKE Smith — TYPE OWV — SERIAL EC3206 — JET SIZE — FROM 6200 — TO 6873 — FOOTAGE 673' — HRS. 132 — COND. Run

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	D.T. Clinton	12
DERRICK	J. Swaltyk	12
MOTORMAN	J. Wilson	12
FLOORMAN	D. Hunt	12
FLOORMAN	D. Kuchi	12
FIREMAN		

REMARKS AND INJURIES:

	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
10 A.M.	10.3	48			6	=	65	1650	6844	23°
NOON	10.3	47	5.8	2/32						
2 P.M.	10.3	48								
4 P.M.	10.3	48								

LINER SIZE: 5 x 14 STROKE

MUD & CHEMICALS

LBS. Added	KIND

START	STOP	HRS.	
800	945	1¾	Daily 6¼" hole w/ Dyna drill
945	1000	¼	Service Rig / BOP - Kelly Cock
1000	1130	1½	Survey @ 6844' 23° N60E
1130	400	4½	Daily 6¼" w/ Dyna Drill

Fuel Brought in By Kopje 2500 gallons Mud 13-71

BOP Tested ✓ — DRILLER: D.T. Clinton — CONTRACTOR'S TIME — CO's. TIME

8 - 4 TOUR

TOUR	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	6873	6897	24		6¼
REAMED					
CORED					

TALLY No.		LENGTH
69	STANDS	
2	SINGLE	658.22
9	D.C.'s	265.31
Smith		18.62
Sperry		6.75
Dyna		19.73
Sub		3.11
KELLY IN		25.26
TOTAL		6897.00
RAT HOLE TOP		

BIT RECORD: BIT No. 4 — SIZE 6¼ — MAKE Smith — TYPE OWV — SERIAL EC3206 — JET SIZE — FROM 6200 — TO 6897 — FOOTAGE 697 — HRS. 135¼ — COND. Run

Tour 2	8 A.M. to 4 P.M.	Hrs
DRILLER	Ron Gould	12
DERRICK	C. Campbell	12
MOTORMAN	K. Gibson	12
FLOORMAN	J. Tchissen	12
FLOORMAN	M. Schumacher	12
FIREMAN		

REMARKS AND INJURIES:

	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
6 P.M.	10.3	47			6	-	65	1650	6875	23°
8 P.M.	10.3	48								
10 P.M.	10.3	47	6.0	2/32						
12 P.M.	10.3	47								

LINER SIZE: 5 x 14 STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

START	STOP	HRS.	
400	745	3¾	Daily 6¼" hole w/ Dyna DRILL
745	830	¾	Survey @ 6875 23° N63E
830	1200	3½	Daily 6¼" hole w/ Dyna drill

BOP Tested ✓ — DRILLER: Ron Gould — CONTRACTOR'S TIME — CO's. TIME

4 - 12 TOUR

TOUR	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	6897	6925	28	7¼	6¼
REAMED					
CORED					

TALLY No.		LENGTH
70	STANDS	659.42
1	SINGLE	
9	D.C.'s	265.31
Smith		18.62
Sperry		6.75
Sub		3.11
Dyna		19.73
KELLY IN		31.56
TOTAL		6925.00
RAT HOLE TOP		

BIT RECORD: BIT No. 4 — SIZE 6¼ — MAKE Smith — TYPE OWV — SERIAL EC3206 — JET SIZE — FROM 6200 — TO 6925 — FOOTAGE 725 — HRS. 145¼ — COND. Run

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: A.B. Galanza APPROVED: D.T. Clinton

Mobil Oil Canada, Ltd.
DAILY DRILLING REPORT

DATE March 12-71

No. 87 DAILY TIME SHEET 3-35 (REV. 11/68)

Well Mobil Oil Can LTD Hume River L-09

Approved _____ Date March 12

FIELD or AREA: Hume River WELL NAME & No. Mobil Oil Hume River L-09 CONTRACTOR C&T Western LTD. No. 87 RIG No. 1E

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
2 A.M.	10.3	50			1		65	1650	6717	23½
4 A.M.	10.3	50								
6 A.M.	10.3	51								
8 A.M.										

LINER SIZE: 5" STROKE 14"

MUD & CHEMICALS

LBS. Added	KIND

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
10 A.M.	10.3	50	5.8	3/32	6	—	65	1650	6749	23½
NOON	10.3	50								
2 P.M.	10.3	49	5.8	3/32						
4 P.M.	10.3	49								

LINER SIZE: 5 x 14 STROKE

MUD & CHEMICALS

LBS. Added	KIND
100	Caustic
100	Soltex
100	Protex to stage
2100	diesel

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
6 P.M.	10.3	51	5.8	3/32	6	—	65	1650	6780	23½
8 P.M.	10.3	51								
10 P.M.										
12 P.M.										

LINER SIZE: 5" x 14 STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND
Water	300 bbl		
Caustic	200 #		
Diesel	2666 bbl		
Protex	100 #		

WORK RECORD — 12-8 TOUR

START	STOP	HRS.	
12:00	12:45	¾	Drlg 6¼ hole w/ Dyna Drill.
12:45	1:00	¼	Pig Survey
1:00	1:45	¾	Survey @ 6787 - 24° N44E
1:45	7:45	6	Drlg 6¼ hole w/ Dyna Drill.
7:45	8:00	¼	Survey w/ Homco

BOP Tested ✓ DRILLER: R. Hanley CONTRACTOR'S TIME CO's. TIME

8-4 TOUR

START	STOP	HRS.	
8:00	8:30	½	Survey w/ Homco @ 6749' 23½° N51E
8:30	4:00	7½	Drlg 6¼ hole w/ Dyna drill

BOP Tested ✓ DRILLER: D. Clemens CONTRACTOR'S TIME CO's. TIME

4-12 TOUR

START	STOP	HRS.	
4:00	4:30	½	Drlg 6¼ hole w/ Dyna drill
4:30	4:45	¼	Pig Survey w/ Kelly to Kelly hose
4:45	5:30	¾	Survey w/ Homco @ 6780 - 23½° N54E
5:30	12:00	6½	Drlg 6¼ hole w/ Dyna drill

BOP Tested ✓ DRILLER: Greg + Tex CONTRACTOR'S TIME CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	6756	6785	29	12¼	12¼
REAMED					
CORED					

TALLY No.		LENGTH
18	STANDS	6400.15
	SINGLE	
4	D.C.'s	246.31
1	Mud motor	19.62
1	Turbo	1.75
1	Sub	3.11
1	Dyna Drill	19.73
	KELLY IN	37.31
	TOTAL	6785
	RAT HOLE TOP	

BIT RECORD	
BIT No.	4
SIZE	6¼
MAKE	Chris
TYPE	D
SERIAL	EC3765
JET SIZE	
FROM	6700
TO	6785
FOOTAGE	85
HRS.	19½
COND.	Run

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	6785	6814	29	7½	6¼
REAMED					
CORED					

TALLY No.		LENGTH
68	STANDS	6459
2	SINGLE	18.45
9	D.C.'s	265.31
1	Mud motor	18.62
1	Turbo	6.75
1	Sub	3.11
1	Dyna Drill	19.73
	KELLY IN	37.31
	TOTAL	6814.00
	RAT HOLE TOP	

BIT RECORD	
BIT No.	4
SIZE	6¼
MAKE	Chris
TYPE	D
SERIAL	EC3765
JET SIZE	
FROM	6700
TO	6814
FOOTAGE	114
HRS.	11½
COND.	Run

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	6814	6841	27	7	6¼
REAMED					
CORED					

TALLY No.		LENGTH
69	STANDS	6445.00
	SINGLE	
9	D.C.'s	265.31
1	Mud motor	18.62
1	Turbo	6.75
1	Sub	3.11
1	Dyna Drill	19.73
	KELLY IN	32.48
	TOTAL	6441.00
	RAT HOLE TOP	

BIT RECORD	
BIT No.	4
SIZE	6¼
MAKE	Chris
TYPE	D
SERIAL	EC3765
JET SIZE	
FROM	6700
TO	6841
FOOTAGE	141
HRS.	12½
COND.	

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	R Hanley	8 T 8
DERRICK	D Ziemmer	8 T 8
MOTORMAN	W Stamp	8 T 8
FLOORMAN	A Williams	8 T 8
FLOORMAN	T Hansen	8 T 8
FIREMAN		

REMARKS AND INJURIES:

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	D Clemens	12
DERRICK	J. Swiftchuk	12
MOTORMAN	J Tebbutt	12
FLOORMAN	D Hulet	12
FLOORMAN	E Kunde	12
FIREMAN		

REMARKS AND INJURIES:

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER	Ron Sawdo	4 8 T
DERRICK	C Campbell	4 8 T
MOTORMAN	K Wilson	4 8 T
FLOORMAN	L Tebbutt	4 8 T
FLOORMAN	M Schumacher	4 8 T
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: _____ APPROVED: _____

Mobil Oil Canada, Ltd.
DAILY DRILLING REPORT

DATE March 11-71

No. 46 DAILY TIME SHEET 3-35 (REV. 1/68)

FIELD or AREA: Hume River WELL NAME & No. Mobil Oil Hume River L-09 CONTRACTOR S & T Western LTD RIG No. 46

Well Mobil Oil Canada LTD Hume River L-09.

Approved _____ Date March 11-71

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
2 A.M.	10.2	48			6		65	1650	6654	24°
4 A.M.	10.2	44								
6 A.M.	10.2	49								
8 A.M.										

LINER SIZE: 5" STROKE 14"

MUD & CHEMICALS

LBS. Added	KIND

START	STOP	HRS.
12:00	1:30	1½
1:30	2:00	½
2:00	4:00	2

BOP Tested

DRILLER: J. Tilley CONTRACTOR'S TIME CO's. TIME

WORK RECORD 12-8 TOUR

Drlg 6¼ hole w/ Dyna Drill

Survey w/ Humaco @ 6654 24° N43E

Drlg 6¼ hole w/ Dyna Drill

Fuel Used 1224

Fuel at Rig 5040

Fuel at Rig 8000

Fuel on hand 13440

Rig Repair

Keep Tanks Full

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	6662	6693	31	7¼	6¼
REAMED					
CORED					

TALLY No.		LENGTH
67	STANDS	6241.12
2	SINGLE	1.37
9	D.C.'s	265.71
	Monel	16.62
	Jars	6.75
	6¼ hole	3.11
	Dyna Drill	19.73
	KELLY IN	35.56
	TOTAL	6693.00
	RAT HOLE TOP	

BIT RECORD

BIT No.	11
SIZE	6¼
MAKE	Christ
TYPE	D
SERIAL	FA 3716
JET SIZE	
FROM	6662
TO	6693
FOOTAGE	31
HRS.	7¼
COND.	1

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	F. Healey	12
DERRICK	D. Zinn	12
MOTORMAN	W. Sleep	12
FLOORMAN	A. Williams	12
FLOORMAN	T. Hansen	12
FIREMAN		

REMARKS AND INJURIES:

	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
10 A.M.	10.2	51			6	-	65	1650		
NOON	10.2	51	5.5	3/32						
2 P.M.	10.2	50								
4 P.M.	10.2	50	5.9	3/32						

LINER SIZE: 5 x 14 STROKE

MUD & CHEMICALS

LBS. Added	KIND
100 sx	Bentonite Stevia
150 sx	Gel Tex
2 bbls	Calcium Chl

START	STOP	HRS.
4:00	8:00	4

BOP Tested

DRILLER: J. Tilley CONTRACTOR'S TIME CO's. TIME

8-4 TOUR

Drlg 6¼ hole w/ Dyna Drill

Received 2000 gals fuel from Hume Mobil via Fowler Trucks

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	6693	6722	29	8	6¼
REAMED					
CORED					

TALLY No.		LENGTH
67	STANDS	6241.12
2	SINGLE	6.36
9	D.C.'s	265.71
	Monel	16.62
	Jars	6.75
	6¼ hole	3.11
	Dyna Drill	19.73
	KELLY IN	35.56
	TOTAL	6722.00
	RAT HOLE TOP	

BIT RECORD

BIT No.	11
SIZE	6¼
MAKE	Christ
TYPE	D
SERIAL	FA 3716
JET SIZE	
FROM	6700
TO	6722
FOOTAGE	522
HRS.	96¾
COND.	Used

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	D. Collins	12
DERRICK	J. Tuttle	12
MOTORMAN	J. Sutherland	12
FLOORMAN	M. Hulet	12
FLOORMAN	D. Hinds	12
FIREMAN		

REMARKS AND INJURIES:

	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
6 P.M.	10.2	49	6.0	3/32	6	-	65	1650	6855	24¾
8 P.M.	10.2	49								
10 P.M.	10.3	49								
12 P.M.	10.3	49								

LINER SIZE: 5 x 14 STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

START	STOP	HRS.
4:00	4:15	¼
4:15	5:00	¾
5:00	12:00	7

BOP Tested

DRILLER: D. Collins CONTRACTOR'S TIME CO's. TIME

4-12 TOUR

Rig Service / Repair Utility Crew

Survey w/ Humaco 6665 24¾ N46E

Drlg 6¼ hole w/ Dyna Drill

Received 2000 gals fuel via Fowler Trucks

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	6722	7250	28	7	6¼
REAMED					
CORED					

TALLY No.		LENGTH
14	STANDS	1.4[illegible]
	SINGLE	
	D.C.'s	265.31
	Monel	16.62
	Jars	6.75
	6¼ hole	3.11
	Dyna Drill	19.73
	KELLY IN	35.73
	TOTAL	6750
	RAT HOLE TOP	

BIT RECORD

BIT No.	12
SIZE	6½
MAKE	Christ
TYPE	D
SERIAL	FA 3716
JET SIZE	
FROM	6700
TO	7250
FOOTAGE	550
HRS.	103¾
COND.	Fair

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: _____ APPROVED: _____

Mobil Oil Canada, Ltd.
DAILY DRILLING REPORT

DATE March 10-71 — No. 45 DAILY TIME SHEET 3-25 (REV. 1/68)

FIELD or AREA: Hume River — WELL NAME & No. Mobil Oil Hume River L-09 — CONTRACTOR S&T Western L.T.D. — RIG No. 15 — No. 85

Well Mobil Oil Can Ltd Hume River L-09

Approved _____ Date March 10-71

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
2 A.M.	10.2	44			6		65	1150	6515	27½
4 A.M.	10.2	44								
6 A.M.	10.2	44								
8 A.M.										

LINER SIZE: 5" STROKE 14"

MUD & CHEMICALS

LBS. Added	KIND

START	STOP	HRS.	WORK RECORD 12-8 TOUR
12:00	7:45	7¾	Drlg 6¼ hole w/ Dyna Drill.
7:45	8:00	¼	Survey @ Hume 6515' 27½ N35E
8:00	12:00	4	Drlg 6¼ hole w/ Dyna Drill.

Fuel Used 1591
Fuel on Rig 4367
Fuel at Pits 5000
Fuel onboard 12714

Rig Time 2220

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	6577	6614	72	7¾	6¼
REAMED					
CORED					

TALLY

No.		LENGTH
16	STANDS	6312.72
2	SINGLE	62.61
7	D.C.'s	263.31
1	Monel	18.62
	Jars	31.75
	Sub	7.11
	DNM II	11.75
	KELLY IN	37.25
	TOTAL	6614.00
	RAT HOLE TOP	

BIT RECORD

BIT No.	41
SIZE	6¼
MAKE	Chris
TYPE	O
SERIAL	EC3710[illegible]
JET SIZE	
FROM	6200
TO	6614
FOOTAGE	414
HRS.	67½
COND.	1

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	R. Hunt	12
DERRICK	D. Ziemmer	12
MOTORMAN	J. Slemp	12
FLOORMAN	A. Wibliams	12
FLOORMAN	T. Hansen	12
FIREMAN		

REMARKS AND INJURIES:

	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
10 A.M.	10.2	49	6.2	2/32	6	—	65	1150	6590	26¾
NOON	10.2	48								
2 P.M.	10.2	48	6.2	2/32						
4 P.M.	10.2	46								

LINER SIZE: 5 x 14 STROKE

MUD & CHEMICALS

LBS. Added	KIND
200	Sawdust
200	Pipe Lube

START	STOP	HRS.	WORK RECORD 8-4 TOUR
8:00	12:00	4	Drlg 6¼ hole w/ dyna drill
12:00	1:00	1	Survey w/ Sonco @ 6590 N32E 26¾°
1:00	4:00	3	Drlg 6¼ hole

BOP Tested

DRILLER: A. Hunt CONTRACTOR'S TIME CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	6609	6637	28	7	6¼
REAMED					
CORED					

TALLY

No.		LENGTH
17	STANDS	6396.12
	SINGLE	
9	D.C.'s	265.31
1	Monel	18.62
	Jars	6.25
	B.S. + B.S.	3.11
	Dyna Drill	19.73
	KELLY IN	12.86
	TOTAL	6637.00
	RAT HOLE TOP	

BIT RECORD

BIT No.	4
SIZE	6¼
MAKE	Chris
TYPE	O
SERIAL	EC3710[illegible]
JET SIZE	
FROM	6200
TO	6637
FOOTAGE	437
HRS.	74½
COND.	Rr

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	A. Chrisman	12
DERRICK	J. Smith	12
MOTORMAN	Tarleton	12
FLOORMAN	Osterhout	12
FLOORMAN	Shenk	12
FIREMAN		

REMARKS AND INJURIES:

	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
6 P.M.	10.2	47	6.2	2/32	6	—	65	1650	2[illegible]¾	
8 P.M.	10.2	47								
10 P.M.	10.2	47								
12 P.M.	10.2	47								

LINER SIZE: 5 x 14 STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

START	STOP	HRS.	WORK RECORD 4-12 TOUR
4:00	10:15	6¼	Drlg 6¼ hole w/ dyna drill
10:15	11:15	1	Survey w/ Sonco @ 6622 25¾ N41E
11:15	12:00	¾	Drlg 6¼ hole w/ dyna drill

BOP Tested

DRILLER: [illegible] CONTRACTOR'S TIME CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	6637	[illegible]	25	7	6¼
REAMED					
CORED					

TALLY

No.		LENGTH
17	STANDS	[illegible]
	SINGLE	31.26
9	D.C.'s	265.31
1	Monel	18.62
	Jars	6.25
	[illegible]	3.11
	[illegible]	19.73
	KELLY IN	12.86
	TOTAL	6622.00
	RAT HOLE TOP	

BIT RECORD

BIT No.	4
SIZE	6¼
MAKE	Chris
TYPE	O
SERIAL	EC3710[illegible]
JET SIZE	
FROM	6200
TO	[illegible]
FOOTAGE	422
HRS.	73½
COND.	R 6

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

DIESEL FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: A. Sackett APPROVED: [signature]

Mobil Oil Canada, Ltd.
DAILY DRILLING REPORT

DATE Mar 6/71

No. 24 DAILY TIME SHEET 3-35 (REV. 11/68)

FIELD or AREA: Hume River WELL NAME & No. Mobil et al Hume River 1-C CONTRACTOR Sol Western LTD. RIG No. 44

Well Mobil et al Hume River 1-C

Approved _____ Date Mar. 6-71

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEVIATION DEG.
2 A.M.	10	46			6		65	1100		
4 A.M.	10	48								
6 A.M.	10	48								
8 A.M.										

LINER SIZE: 5" STROKE 14"

MUD & CHEMICALS

LBS. Added	KIND

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEVIATION DEG.
10 A.M.	10.2	44	10	2/32	6	-	65	1600	6526	22°
NOON	10.2	49	6.0	2/32						
2 P.M.										
4 P.M.										

LINER SIZE: 5" x 14 STROKE

MUD & CHEMICALS

LBS. Added	KIND
350	Supercal
150	Filter

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEVIATION DEG.
6 P.M.	5"=10.1 6"=10.2	5"=46 6"=44	5"=5.6 6"=6.0							
8 P.M.	6"=10.2	44	6.0	10.1	6		65	1050		
10 P.M.	10.1	49								
12 P.M.	10.1	49								

LINER SIZE: 5" x 14 STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND
100	Protecto Magic		
2 bbls	Diesel		

WORK RECORD — 12 - 8 TOUR

START	STOP	HRS.	
12:00	12:15	1/4	Rig Serv. & N.U. B.P.
12:15	1:00	3/4	Survey @ 6511 w/ Homco
1:00	5:00	4	Drlg 6½ hole w/ Dyna Drill.
5:00	5:30	1/2	Survey @ 6533, 22° N31E
5:30	8:00	2½	~~Survey~~ Drlg 6½ hole w/ Dyna Drill

Fuel Used
Fuel on Rig 3735
Fuel on Hand 1773

BOP Tested

DRILLER: R. Healy CONTRACTOR'S TIME CO's. TIME

8 - 4 TOUR

START	STOP	HRS.	
8:00	11:00	3	Drlg 6½ hole w/ Dynadrill
11:00	11:15	1/4	Rig Service, Check BOP's & Hydraulics
11:15	12:00	3/4	Survey @ 6526 w/ Homco 22° N33°E
12:00	2:30	2½	Hoist to exchange dynadrill
2:30	3:00	1/2	Ream 30' w/ dynadrill & Gauge
3:00	3:15	1/4	Circ
3:15	4:00	3/4	Ream 30' w/ dynadrill

BOP Tested ✓

DRILLER: A. Stack CONTRACTOR'S TIME CO's. TIME

4 - 12 TOUR

START	STOP	HRS.	
4:00	4:45	3/4	Ream 30' w/ dynadrill to 5200'
4:45	5:00	1/4	Slip 23' drlg line
5:00	5:15	1/4	Pick up 2 new jts dynadrill
5:15	6:15	1	Circ & dynadrill - Kelly up for jar cutting
6:15	7:15	1	Survey - Orient dynadrill
7:15	11:15	7	Drlg 6½ hole w/ dynadrill
~~11:15~~	~~11:30~~	~~1/4~~	~~Circ Drop Drill Survey Prep Pipe~~
11:30	12:00	1/2	Drop Drill Survey

BOP Tested

DRILLER: Gary K. CONTRACTOR'S TIME CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	6461	6541	40	6¼	6½
REAMED					
CORED					

TALLY No.		LENGTH
22	STANDS	621.22
	SINGLE	
9	D.C.'s	265.31
Monel		16.62
D.D.H.		19.73
Jars		6.75
Subs		3.11
Kelly		15.50
TOTAL		6541.00
RAT HOLE TOP		

BIT RECORD

BIT No.	4
SIZE	6½
MAKE	Chris
TYPE	D
SERIAL	F37105
JET SIZE	
FROM	6300
TO	6461
FOOTAGE	161
HRS.	56¾
COND.	Good

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	R. Healy	12
DERRICK	D. Fleming	12
MOTORMAN	W. Skinner	12
FLOORMAN	A. Williams	12
FLOORMAN	T. Hansen	12
FIREMAN		

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	6541	6561	20'	3	6¼
REAMED					
CORED					

TALLY No.		LENGTH
22	STANDS	621.22
	SINGLE	
9	D.C.'s	265.31
Monel		16.62
Jars		6.75
Subs		3.11
Kelly		19.73
KELLY IN		3576
TOTAL		6561.00
RAT HOLE TOP		

BIT RECORD

BIT No.	4
SIZE	6½
MAKE	Chris
TYPE	D
SERIAL	F37105
JET SIZE	
FROM	6300
TO	6561
FOOTAGE	261
HRS.	56¾
COND.	Good

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	A. Williams	12
DERRICK	A. Smithyke	12
MOTORMAN	J. McLean	12
FLOORMAN	A. Hebert	12
FLOORMAN	D. Hendrie	12
FIREMAN		

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	6561	6577	11	5½	6¼
REAMED					
CORED					

TALLY No.		LENGTH
22	STANDS	621.22
1	SINGLE	2.31
9	D.C.'s	265.31
Monel		16.62
Jars		6.75
Subs		3.11
Kelly		19.73
D.D.H.		19.73
KELLY IN		3046
TOTAL		6577
RAT HOLE TOP		

BIT RECORD

BIT No.	4
SIZE	6½
MAKE	Chris
TYPE	D
SERIAL	F37105
JET SIZE	
FROM	6561
TO	6577
FOOTAGE	377
HRS.	11½
COND.	

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: A. Stack APPROVED: [signature]

Mobil Oil Canada, Ltd.
DAILY DRILLING REPORT

DATE Mar 3/71 — No. 83 DAILY TIME SHEET 3-35 (REV. 1 V68)

FIELD or AREA: Hume River — WELL NAME & No. Mobil Oil Hume River 1-C — CONTRACTOR Fenton LTD. — RIG No. IE — No. 83

Well Mobil Oil Can. L.TR Hume River 1-C — Approved _____ Date Mar 3/71

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
2 A.M.	10.1	49			6	-	65	1500		
4 A.M.	10.2	48								
6 A.M.	10.2	48								
8 A.M.										

LINER SIZE: 5" STROKE 14"

MUD & CHEMICALS

LBS. Added	KIND

START	STOP	HRS.	
12[00]	1[30]	1½	Condition Hole Drill
1.30	4[30]	3	Drlg 6¼ hole w/ Pdm drill
4.30	5[30]	1	Survey & Circ & Hole
5[30]	[00]	2½	Drlg 6¼ hole w/ Dyna Drill

Fuel Used 1271
Fuel on Hand 4354
Fuel on Delivery
Fuel on Inventory 1227 C4

BOP Tested

DRILLER: A Tyler CONTRACTOR'S TIME CO's. TIME

8 - 4 TOUR

START	STOP	HRS.	
8[00]	11[45]	3¾	Drlg 6¼ hole w/ Dyna drill
11[45]	12[00]	¼	Rig Service & Bops & Kelly cocks
12[00]	17[45]	5¾	Survey @ 6403 - 30½° N23E
17[45]	4[00]	3¼	Drlg 6¼" hole w/ Dynadrill

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	6378	6413	35	5½	6¼
REAMED					
CORED					

TALLY

No.		LENGTH
14	STANDS	1355.65
1	SINGLE	6.20
6	D.C.'s	265.31
Mud		16.62
D. Pr.		1.77
Jars		6.75
Subs		3.11
KELLY IN		24.24
TOTAL		6413
RAT HOLE TOP		

BIT RECORD

BIT No.	#4
SIZE	6¼
MAKE	Chris
TYPE	D
SERIAL	F33705
JET SIZE	
FROM	6200
TO	6413
FOOTAGE	213
HRS.	37½
COND.	Run

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	P. Hanley	12
DERRICK	D. Zimmer	12
MOTORMAN	W. Lowe	12
FLOORMAN	A. Williams	12
FLOORMAN	T. Hamel	12
FIREMAN		

REMARKS AND INJURIES:

	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
10 A.M.	10.2	48			6	-	65	1600	6403	30½
NOON	10.2	46	5.8	7/32						
2 P.M.	10.2	48								
4 P.M.	10.2	48								

LINER SIZE: 5" x 14 STROKE

MUD & CHEMICALS

LBS. Added	KIND
100	Caustic
100	Soltex
200 lbs	Sodium Acid Pyro
2 Pails	Quebracho
350	Supercol

BOP Tested

DRILLER: Gary Ross CONTRACTOR'S TIME CO's. TIME

START	STOP	HRS.	
17[45]	19[00]	1¼	Circ & Cond Hole
19[00]	20[30]	1½	Trip for Bit
20[30]	21[00]	½	Ream 60' to Bottom
21[00]	4[00]	7	Drlg 6¼ hole w/ Dynadrill

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	6419	6456	37	7	6¼
REAMED					
CORED					

TALLY

No.		LENGTH
65	STANDS	6118.74
	SINGLE	
4	D.C.'s	265.31
Mud		16.62
D. Pr.		1.77
Jars		6.75
Subs		3.11
KELLY IN		24.24
TOTAL		6456.00
RAT HOLE TOP		

BIT RECORD

BIT No.	4
SIZE	6¼
MAKE	Chris
TYPE	D
SERIAL	F33705
JET SIZE	
FROM	6200
TO	6456
FOOTAGE	256
HRS.	40½
COND.	Run

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER		
DERRICK	D. Williams	12
MOTORMAN	J. Sunty K	12
FLOORMAN	G. Melton	12
FLOORMAN	G. Hurley	12
FIREMAN	T. Hamel	12

REMARKS AND INJURIES:

	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
6 P.M.	10.2	46			6	-	65	1600	6434	29°
8 P.M.	10.1	49	5.4	3/32						
10 P.M.	10.1	44								
12 P.M.	10.1	48								

LINER SIZE: 5" x 14 STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND
2600	Supercol		

BOP Tested

DRILLER: Gary Ross CONTRACTOR'S TIME CO's. TIME

START	STOP	HRS.	
4[00]	6[15]	2¼	Drlg 6¼ hole w/ dynadrill
6[15]	7[15]	1	Survey w/ Totco 2½° N26°E @ 6434
7[15]	12[00]	4¾	Drlg 6¼ hole w/ dynadrill

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	6456	6501	45	7	6¼
REAMED					
CORED					

TALLY

No.		LENGTH
61	STANDS	6118.74
1	SINGLE	31.11
7	D.C.'s	265.31
Mud		16.62
D. Pr.		1.77
Jars		6.75
Subs		3.11
KELLY IN		38.24
TOTAL		6501
RAT HOLE TOP		

BIT RECORD

BIT No.	4
SIZE	6¼
MAKE	Chris
TYPE	D
SERIAL	F33705
JET SIZE	
FROM	6200
TO	6501
FOOTAGE	301
HRS.	49½
COND.	Run

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: A STACK APPROVED: K. Newell

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE Mar. 7-71 — No. 42 DAILY TIME SHEET 3-35 (REV. 1/68)

FIELD or AREA: Pouce Coupe River — WELL NAME & No. Mobil Oil Hamburg Pouce Coupe — CONTRACTOR Sol Western — No. 42 — RIG No. 17

Well Mobil Oil Co. et al Pouce Coupe — Approved _____ Date Mar. 8-71

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
2 A.M.	10.1	49			6	-	64	1650	6309	31°
4 A.M.	10.1	49							1745	
6 A.M.	10.1	49								
8 A.M.										

LINER SIZE: 5" STROKE 14"

MUD & CHEMICALS

LBS. Added	KIND

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
10 A.M.	10.1	49	5.6	2/32	6	-	65	1650	6309	31°
NOON	10.1								6340	
2 P.M.	10.1	47	5.6	2/32						
4 P.M.										

LINER SIZE: 5 x 14 STROKE

MUD & CHEMICALS

LBS. Added	KIND
4 Pails	Chemcal
350	Supercal

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
6 P.M.	10.1	48	5.6	2/32	6	-	65	1650		
8 P.M.	10.1	48								
10 P.M.	10.1	47.5	11.45	2/32						
12 P.M.	10.1	10.1	10.1							

LINER SIZE: 5 x 14 STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

WORK RECORD — 12 - 8 TOUR

START	STOP	HRS.	
12	1730	5½	Drlg 6¼ hole w/ Dyna Drill
1730	2100	3½	Survey @ 6345 w/ Homco 21° N 21 E
2100	6AM	9	Drlg 6¼ hole w/ Dyna Drill
6AM	745	1½	Survey @ 6345 w/ Homco

Fuel Used
Fuel on Rig
Fuel at Pouce Coupe
Footage Drilled 1745

BOP Tested

DRILLER: R Hanley — CONTRACTOR'S TIME — CO's. TIME

8 - 4 TOUR

START	STOP	HRS.	
8	815	½	Survey w/ Homco
815	230	6½	Drlg 6¼ hole w/ dyna drill
230	345	1¼	Survey w/ Homco
345	400	¼	Drlg 6¼ hole w/ D Drill

BOP Tested

DRILLER: P McGinnis — CONTRACTOR'S TIME — CO's. TIME

4 - 12 TOUR

START	STOP	HRS.	
4	530	1½	Drlg 6¼ hole w/ dyna drill
530	700	1½	Circ + Cond.
700	9	1	Survey w/ homco 22 N 21 E
9	945	¾	Circ + Cond.
945	930	¾	Pull 12 stands + Survey
930	1045	1¼	W O B
1045	1115	½	Run in w/ Dyna Drill
1115	12	¾	Circ Dyna Drill Clock and Fin Corp.

BOP Tested

DRILLER: Hayes — CONTRACTOR'S TIME — CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	1745	1792	47	6	6¼
REAMED					
CORED					

TALLY

No.		LENGTH
57	STANDS	5429.22
	SINGLE	22.45
9	D.C.'s	265.31
	Homco	18.62
	D Drill	17.73
	Jars	6.75
	B.H. Subs	3.11
	KELLY IN	10.27
	TOTAL	6376.00
	RAT HOLE TOP	

BIT RECORD

BIT No.	4
SIZE	6¼
MAKE	Chem
TYPE	D
SERIAL	FC37105
JET SIZE	
FROM	1745
TO	1792
FOOTAGE	47
HRS.	2 0
COND.	Rep

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	R Hanley	12
DERRICK	D Zimmer	12
MOTORMAN	W Zimmer	12
FLOORMAN	A Wallin	12
FLOORMAN	T Hunt	12
FIREMAN		

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	6345	6379	34	6½	6¼
REAMED					
CORED					

TALLY

No.		LENGTH
64	STANDS	6055.91
1	SINGLE	22.45
9	D.C.'s	265.31
	Homco	18.62
	D Drill	17.73
	Jars	6.75
	B.H. Subs	3.11
	KELLY IN	10.27
	TOTAL	6376.00
	RAT HOLE TOP	

BIT RECORD

BIT No.	4
SIZE	6¼
MAKE	Chem
TYPE	D
SERIAL	FC37105
JET SIZE	
FROM	6900
TO	6379
FOOTAGE	179
HRS.	26½
COND.	Rep

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	P McGinnis	12
DERRICK	J Smethyk	12
MOTORMAN	J Nelson	12
FLOORMAN	G Hulbert	12
FLOORMAN	E Hunt	12
FIREMAN		

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY

No.		LENGTH
64	STANDS	6055.91
1	SINGLE	22.45
9	D.C.'s	265.31
	Homco	18.62
	D Drill	17.73
	Jars	6.75
	B.H. Subs	3.11
	KELLY IN	20.27
	TOTAL	6384.00
	RAT HOLE TOP	

BIT RECORD

BIT No.	4
SIZE	6¼
MAKE	Chem
TYPE	D
SERIAL	FC37105
JET SIZE	
FROM	6900
TO	6384
FOOTAGE	184
HRS.	26½
COND.	Rep

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: A STACK APPROVED: [signature]

Mobil Oil Canada, Ltd.
DAILY DRILLING REPORT

DATE March 1/71 — No. 81 — DAILY TIME SHEET 3-35 (REV. 1/68)

FIELD or AREA: Hume River — WELL NAME & No. Mobil Oil Hume River L-c-A — CONTRACTOR G.T. Western L.T.D — No. 81 — RIG No. FF

Well Mobil Oil Can. LTD Hume River L-c-A — Approved _____ Date March 1

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEVIATION DEG.
4 A.M.	10.1	52	10.1	4			53	1650		
4:30	9.8	53	10.1							
4:40	9.8	60	10.1							
4:50	10.1	63	10.1							

LINER SIZE: 5½" STROKE 4"

MUD & CHEMICALS

LBS. Added	KIND

START	STOP	HRS.	WORK RECORD — 12-8 TOUR
12:00	12:45	¾	Pick up Dyna Drill. Change Jars & Bit.
12:45	4:00	3¼	Run Back in hole Slowly.
4:00	5:00	1	Circ Bottom hole up. Check Mud For Gas
5:00	7:00	2	Orientate Dyna Drill
7:00	8:00	1	Daly 6¾" Dyna Drill

Fuel Used 1212
Fuel at Rig 6265
Fuel at River Base
Fuel on Hand 14265

BOP Tested

DRILLER: K Hanley CONTRACTOR'S TIME CO's. TIME

START	STOP	HRS.	8-4 TOUR
8:00	10:00	2¾	Daly 6¼" hole w/ Dyna drill
10:00	11:00	1	Rig Service / Bops
11:00	11:45	¾	Survey w/ Homco @ 6185 - N19°E 33°
11:45	4:00	4¼	Daly 6¼ hole w/ D. Drill

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	6204	6247	43	7	6¼
REAMED					
CORED					

TALLY No.		LENGTH
62	STANDS	6105
2	SINGLE	58
9	D.C.'s	265.31
	Monel	18.62
	Bit Sub	19.73
	Jars	6.75
	B. & Ksub	3.11
	KELLY IN	35.93
	TOTAL	6247.00
	RAT HOLE TOP	

BIT RECORD: BIT No. 4 — SIZE 6¼ — MAKE Christ. — TYPE O — SERIAL EC3705 — JET SIZE — FROM 6200 — TO 6247 — FOOTAGE 47 — HRS. 8 — COND. Run

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	R. Hanley	12
DERRICK	D. Ziemmer	12
MOTORMAN	W. Klemp	12
FLOORMAN	A. Williams	12
FLOORMAN	T. Hanson	12
FIREMAN		

REMARKS AND INJURIES:

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	[illegible]	12
DERRICK	J. Smythe	12
MOTORMAN	Gustison	12
FLOORMAN	[illegible]	12
FLOORMAN	[illegible]	12
FIREMAN		

REMARKS AND INJURIES:

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEVIATION DEG.
10 A.M.	10.1	48	5.6	3/32	6	—	53	1650	6185	33
NOON	10.1	47	6.6	3/32						
2 P.M.	10.1	46								
4 P.M.	10.1	50	5.4	3/32						

LINER SIZE: 5½ x 14 STROKE

MUD & CHEMICALS

LBS. Added	KIND
350	Segment
4 bbls	diesel

START	STOP	HRS.	
4:00	4:15	¼	Daly 6¼" hole w/ dyna drill
4:15	5:15	1	Survey w/ Homco @ 6215 N21E 32°
5:15	8:45	3½	Daly 6¼ hole w/ D. drill
8:45	9:45	1	Survey @ 6291 w/ Homco
9:45	12:00	2¼	Daly ¼ hole w/ Dyna Drill

BOP Tested ✓

DRILLER: Bergen K. H. CONTRACTOR'S TIME CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	6247	6298	51	6	6¼
REAMED					
CORED					

TALLY No.		LENGTH
63	STANDS	5[illegible]
1	SINGLE	31
9	D.C.'s	265.31
	Monel	18.62
	Bit Sub	19.73
	Jars	6.75
	B. & Ksub	3.11
	KELLY IN	23.97
	TOTAL	6298
	RAT HOLE TOP	

BIT RECORD: BIT No. 4 — SIZE 6¼ — MAKE Chris — TYPE O — SERIAL EC3705 — JET SIZE — FROM 6200 — TO 6298 — FOOTAGE 98 — HRS. 24 — COND. Run

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

BOP Tested

DRILLER: _____ CONTRACTOR'S TIME CO's. TIME

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: A STACK APPROVED: [signature]

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE March 6/71 — No. 50 — DAILY TIME SHEET 3-35 (REV. 1/68)

FIELD or AREA: Home River — WELL NAME & No. Mobil et al Home River 4-69 — CONTRACTOR Sut Western LTD — RIG No. IE — No. 50

Well Mobil et al Can LTD Home River 4-69 — Approved _____ Date _____

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
2 A.M.	10.1	53			16	70	54	1600		
4 A.M.	10.1	52								
6 A.M.	10.2	50								
8 A.M.										

LINER SIZE: 5½" STROKE 14"

MUD & CHEMICALS

LBS. Added	KIND

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRLSS	DEVIATION DEPTH	DEG.
10 A.M.	10.2	49	5.6	7/32	16	70	54	1600		
NOON	10.2	48								
2 P.M.	10.2	50								
4 P.M.	10.2	50	5.8	7/32						

LINER SIZE: 5½"x14 STROKE

MUD & CHEMICALS

LBS. Added	KIND
350	Supercat

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
6 P.M.	10.1	49	5.8	7/32	16	70	54	1600	6191	
8 P.M.										
10 P.M.	Trip									
12 P.M.										

LINER SIZE: 5½"x14 STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

WORK RECORD — 12 - 8 TOUR

START	STOP	HRS.	
12:00	2:15	2¼	Drlg 6¼ hole.
2:15	2:30	¼	Rig Service BOPs + Kelly Cock
2:30	8:00	5½	Drlg 6¼ hole
			Final Mud Wt 7477
			Final Vis 50
			Final Water Loss 11477

BOP Tested — DRILLER: F. Hanley — CONTRACTOR'S TIME — CO's. TIME

START	STOP	HRS.	
8:00	9:00	1	Drlg 6¼" hole
9:00	9:15	¼	Rig Service / Bops + Kelly cock
9:15	10:15	1	Survey @ 6159 - Made 2 Runs
10:15	4:00	5¾	Drlg 6¼" hole

BOP Tested ✓ — DRILLER: D. Cheney — CONTRACTOR'S TIME — CO's. TIME

4 - 12 TOUR

START	STOP	HRS.	
4:00	4:15	¼	Rig Service / Bops
4:15	6:15	2	Drlg 6¼" hole
6:15	6:45	½	Survey @ 6190
6:45	7:30	¾	Dummy Trip in to 7" Csg. - Hole Cond - Good
7:30	8:45	1¼	Circ Cond hole to Lunch
8:45	12:00	3¼	STRAP OUT OF HOLE, PULLING VERY SLOW.

BOP Tested — DRILLER: Davy — CONTRACTOR'S TIME — CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	6116	6153	37	7¼	6¼
REAMED					
CORED					

TALLY

No.		LENGTH
13	STANDS	5949.72
	SINGLE	
15	D.C.'s	437.37
1	Monel	31.62
3	Stabs	6.45
1	X.O.	3.29
1	Jars	30.71
KELLY IN		37.20
TOTAL		6153
RAT HOLE TOP		

BIT RECORD

BIT No.	3
SIZE	6¼
MAKE	Chm
TYPE	O
SERIAL	FE12710
JET SIZE	16 16 15
FROM	5541
TO	6153
FOOTAGE	612
HRS.	107¼
COND.	Run

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	F. Hanley	12
DERRICK	D. Zimmer	12
MOTORMAN	W. Slaven	12
FLOORMAN	A. Williams	12
FLOORMAN	T. Hansen	12
FIREMAN		

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	6153	6189	36	6¼	6¼
REAMED					
CORED					

TALLY

No.		LENGTH
	STANDS	16.78
	SINGLE	56
15	D.C.'s	437.37
1	Monel	31.62
2	Stabs	6.45
1	X.O.	3.29
1	Jars	30.71
KELLY IN		38.78
TOTAL		6189.00
RAT HOLE TOP		

BIT RECORD

BIT No.	3
SIZE	6¼
MAKE	Chm
TYPE	O
SERIAL	FE12710
JET SIZE	
FROM	5541
TO	6189
FOOTAGE	648
HRS.	114
COND.	Run

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	F. Hanley	12
DERRICK	J. Smethyke	12
MOTORMAN	J. Nelson	12
FLOORMAN	G. Hickey	12
FLOORMAN	J. Kinch	12
FIREMAN		

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	6189	6200	11	2	6¼
REAMED					
CORED					

TALLY

No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	

BIT RECORD

BIT No.	3
SIZE	6¼
MAKE	Chm
TYPE	O
SERIAL	FE12710
JET SIZE	
FROM	5541
TO	6200
FOOTAGE	659
HRS.	116
COND.	
KELLY IN	
TOTAL	
RAT HOLE TOP	

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: A STACH APPROVED: _____

Mobil Oil Canada, Ltd.
DAILY DRILLING REPORT

DATE March 4/71

No. 79 DAILY TIME SHEET 3-35 (REV. 1/68)

Well Mobil Oil Can. Ltd. Home Rose 2-59

Approved _____ Date March 5/71

FIELD or AREA: H. Rose WELL NAME & No. Mobil Oil Home Rose 2-59 CONTRACTOR Sil Watson Ltd No. 27 RIG No. 1

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
2 A.M.	10.3	52			1	70	55	1600		
4 A.M.	10.2	53								
6 A.M.	10.2	52								
8 A.M.										

LINER SIZE: 5½ STROKE 14"

MUD & CHEMICALS

LBS. Added	KIND
100	Super Mil

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
10 A.M.	10.1	49	5.6	2/32	16	70	55	1600		
NOON	10.1	48								
2 P.M.	10.1	46								
4 P.M.	10.1	47	5.6	2/32						

LINER SIZE: 5½ x 14 STROKE

MUD & CHEMICALS

LBS. Added	KIND
8 bbls	diesel
100	Caustic
100	Soltex

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
6 P.M.					16	70	55	1600	6096	32
8 P.M.										
10 P.M.	51	10.2								
12 P.M.	49	10.1								

LINER SIZE: 5½ x 14 STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND
100	Caustic		
100	Soltex		
2 bbls	Diesel		

WORK RECORD — 12 - 8 TOUR

START	STOP	HRS.	
12	12	½	Rig Service & BOP
12	4	4½	Drlg 6¼ hole
4	4½	½	Survey @ 6049
4½	12	7½	Drlg 6¼ hole

Mud Type: Gyp Chem

Amount Trucked Used: _____

Amount Left on Location: NIL

Amount Put in Hole: 1477

Amount Put in Mud: _____

Amount Evaporated: 1127

BOP Tested ✓

DRILLER: H. Young CONTRACTOR'S TIME CO's. TIME

8 - 4 TOUR

START	STOP	HRS.	
8	8:15	¼	Rig Service / Boys + Kelly Cock
8:15	4	7¾	Drlg 6¼ hole

BOP Tested ✓

DRILLER: D. Williams CONTRACTOR'S TIME CO's. TIME

4 - 12 TOUR

START	STOP	HRS.	
4	4:15	¼	Rig Service / Boys
4:15	7	2¾	Drlg 6¼ hole
7	7:30	½	Survey @ 6096
7:30	12	4½	Drlg 6¼ hole

BOP Tested _____

DRILLER: Barry CONTRACTOR'S TIME CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	6047	6049	42	7½	6¼
REAMED					
CORED					

TALLY No.		LENGTH
1	STANDS	55112
	SINGLE	
15	D.C.'s	437.37
M		1862
		1.45
3		32.4
1		7.71
KELLY IN		28.17
TOTAL		6049.00
RAT HOLE TOP		

BIT RECORD	
BIT No.	3
SIZE	6¼
MAKE	Chris
TYPE	O
SERIAL	EC1279
JET SIZE	
FROM	5541
TO	6049
FOOTAGE	508
HRS.	85½
COND.	Run

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	P. Hunt	12
DERRICK	D. Lemon	12
MOTORMAN	W. Stevens	12
FLOORMAN	L. Watson	12
FLOORMAN	T. Hanson	12
FIREMAN		

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	6049	6084	35'	7¾	6¼
REAMED					
CORED					

TALLY No.		LENGTH
54	STANDS	3355.39
1	SINGLE	
15	D.C.'s	437.37
Second		1862
2	Subs	6.45
2	XO	3.29
Pipe		7.71
KELLY IN		28.17
TOTAL		6084.00
RAT HOLE TOP		

BIT RECORD	
BIT No.	3
SIZE	6¼
MAKE	Chris
TYPE	O
SERIAL	EC1279
JET SIZE	
FROM	5541
TO	6084
FOOTAGE	543'
HRS.	92½
COND.	Run

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	D. Williams	12
DERRICK	J. Smith	12
MOTORMAN	J. Nelson	12
FLOORMAN	D. Hubert	12
FLOORMAN	J. Lunchi	12
FIREMAN		

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	6084	6116	32	7¼	6¼
REAMED					
CORED					

TALLY No.		LENGTH
54	STANDS	3355.39
1	SINGLE	6.45
15	D.C.'s	437.37
Second		18.62
2	Subs	6.45
2	XO	3.29
Pipe		7.71
KELLY IN		28.17
TOTAL		6116.00
RAT HOLE TOP		

BIT RECORD	
BIT No.	3
SIZE	6¼
MAKE	Chris
TYPE	O
SERIAL	EC1279
JET SIZE	
FROM	5541
TO	6116
FOOTAGE	575
HRS.	93½
COND.	Run

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: A STACK APPROVED: _____

Mobil Oil Canada, Ltd.
DAILY DRILLING REPORT

DATE [illegible]

No. 77 DAILY TIME SHEET 3-35 (REV. 11/68)

Well Mobil Oil Canada Ltd. Hume River L-01

Approved _____ Date March 7th

FIELD or AREA: Hume River WELL NAME & No. Mobil Oil Hume River L-01 CONTRACTOR S.T. Western L.T.D. RIG No. 1E No. 77

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
2 A.M.	10.1	49			16	70	5½	1100		
4 A.M.	10.1	47								
6 A.M.	10.1	46								
8 A.M.										

LINER SIZE: 5½ STROKE 14"

MUD & CHEMICALS

LBS. Added	KIND
700	Super Col

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
10 A.M.	10.1	49	6.8	3/32	11	70	55	1600		
NOON	10.1	49								
2 P.M.	10.1	49								
4 P.M.	10.1	49	6.8	3/32						

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND
200	Drill-N-Stages
4 Pails	Flocal

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
6 P.M.					12	70	½	1100		
8 P.M.										
10 P.M.	10.2	47								
12 P.M.	10.2	47								

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND
100	Caustic		
1000	Super Col		
12 99	Pilly		
4 Pails	Flocal		

WORK RECORD — 12 - 8 TOUR

START	STOP	HRS.	
12[illegible]	12[illegible]	¼	Rig Service & BOP.
12[illegible]	12[illegible]	½	Survey @ 5375
12[illegible]	6	7½	Drlg 7/8 hole Well Stat. Well Taken Survey
			Pressure Test Well 17.71
			Pressure Test Pipe 72
			Pressure Test Pipe 4
			Pressure Test Kelly 7
			Pressure Test Lines 1

BOP Tested

DRILLER: [illegible] CONTRACTOR'S TIME CO's. TIME

8 - 4 TOUR

START	STOP	HRS.	
8[illegible]	10[illegible]	2½	Drlg 6⅛" hole
10[illegible]	10[illegible]	¼	Rig Service / Pipe: Kelly cock
10[illegible]	4[illegible]	5¼	Drlg 6⅛" hole

BOP Tested ✓

DRILLER: [illegible] CONTRACTOR'S TIME CO's. TIME

4 - 12 TOUR

START	STOP	HRS.	
4[illegible]	4[illegible]	½	Rig Service / Pipe
4[illegible]	10[illegible]	1½	Drlg 6⅛" hole
10[illegible]	11[illegible]	½	[illegible] Well Stat.
11	12[illegible]	1	Hole Taken Survey

BOP Tested ✓

DRILLER: [illegible] CONTRACTOR'S TIME CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	5375	[illegible]	[illegible]	7½	6¼
REAMED					
CORED					

TALLY

No.		LENGTH
12	STANDS	5226.24
2	SINGLE	67.91
15	D.C.'s	413.57
1	[illegible]	16.23
2	[illegible]	1.45
	[illegible]	3.24
Tools		7.71
KELLY IN		2.32
TOTAL		5127
RAT HOLE TOP		

BIT RECORD

BIT No.	3
SIZE	6¼
MAKE	[illegible]
TYPE	D
SERIAL	[illegible]
JET SIZE	
FROM	[illegible]
TO	[illegible]
FOOTAGE	384
HRS.	17½
COND.	[illegible]

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	5423	5968	45	7½	6¼
REAMED					
CORED					

TALLY

No.		LENGTH
58	STANDS	5456.37
	SINGLE	
15	D.C.'s	439.37
1	Swivel	6.62
2	Subs	6.45
2	Subs	3.29
1	Jars	2.31
	KELLY IN	38.17
	TOTAL	5968 est
	RAT HOLE TOP	

BIT RECORD

BIT No.	3
SIZE	6¼
MAKE	Hughes
TYPE	O
SERIAL	EC0710
JET SIZE	
FROM	5541
TO	5968
FOOTAGE	427'
HRS.	70½
COND.	Rem

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	[illegible]	[illegible]	[illegible]	7½	6¼
REAMED					
CORED					

TALLY

No.		LENGTH
58	STANDS	[illegible]
2	SINGLE	67.32
15	D.C.'s	439.37
1	[illegible]	[illegible]
2	[illegible]	6.45
2	[illegible]	[illegible]
Tools		7.71
KELLY IN		[illegible]
TOTAL		6057
RAT HOLE TOP		

BIT RECORD

BIT No.	[illegible]
SIZE	6¼
MAKE	[illegible]
TYPE	O
SERIAL	EC0710
JET SIZE	[illegible]
FROM	5541
TO	[illegible]
FOOTAGE	[illegible]
HRS.	77½
COND.	[illegible]

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	P. McLeod	12
DERRICK	D Zinkan	12
MOTORMAN	W. Lange	12
FLOORMAN	A. Williams	12
FLOORMAN	T. Hunt	12
FIREMAN		

REMARKS AND INJURIES:

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	G McKinnon	12
DERRICK	J Southgate	12
MOTORMAN	J Nelson	12
FLOORMAN	D Harbinet	12
FLOORMAN	F Hardie	12
FIREMAN		

REMARKS AND INJURIES:

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: A STACK APPROVED: [signature]

Mobil Oil Canada, Ltd.
DAILY DRILLING REPORT

DATE March 7/71 — No. 77 DAILY TIME SHEET 3-25 (REV. 1/68)

FIELD or AREA: Hume River — WELL NAME & No. Mobil Et al Hume River L-E — CONTRACTOR Sol Watson LTD — RIG No. 1 E — No. 77

Well Mobil et al Hume River L-E — Approved _____ Date March 7/71

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
2 A.M.	9.7	47			1	70	55	1400		
4 A.M.	10.0	48			1	70	55	1400		
6 A.M.	10.2	52			1	70	55	1400		
8 A.M.						70	55	1400		

LINER SIZE: 6 1/2 STROKE 14"

MUD & CHEMICALS

LBS. Added	KIND

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
10 A.M.	10.1	52	6.4	2/32	16	70	55	1600		
NOON	10.1	50								
2 P.M.	10.1	50								
4 P.M.	10.1	51	6.6	2/32						

LINER SIZE: 5 1/2 x 14 STROKE

MUD & CHEMICALS

LBS. Added	KIND
140 sx	Bentonite
100 sx	Caustic Soda

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
6 P.M.	10.1	50	6.6	2/32	16	70	55	1600		
8 P.M.	10.1	52								
10 P.M.	10.1	48								
12 P.M.	10.1	48								

LINER SIZE: _____ STROKE _____

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

WORK RECORD — 12 - 8 TOUR

START	STOP	HRS.	
12	12 1/4	1/4	Rig Service / Repair
12 1/4	8	7 3/4	Drlg 6 3/4 hole

Amount Fuel Used 630
Amount Fuel at Camp 7200
Amount Fuel at Rig 2600
Amount Fuel at Rig 0
Amount Fuel on hand 7200

BOP Tested ✓

DRILLER: P. Hawley — CONTRACTOR'S TIME — CO's. TIME

8 - 4 TOUR

START	STOP	HRS.	
6am	8:15	1/4	Rig Service / Repair
8:15	4:00	7 3/4	Drlg 6 3/4 hole

BOP Tested ✓

DRILLER: P. Hawley — CONTRACTOR'S TIME — CO's. TIME

4 - 12 TOUR

START	STOP	HRS.	
4:00	4:15	1/4	Rig Service / Repair
4:15	12:00	7 3/4	Drlg 6 3/4 hole

BOP Tested

DRILLER: _____ — CONTRACTOR'S TIME — CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	5721	5777	56	7 1/4	6 1/4
REAMED					
CORED					

TALLY

No.		LENGTH
6	STANDS	1275.4
	SINGLE	
	D.C.'s	93777
1		31.2
		6.45
2		3.79
1		771
KELLY IN		39.2
TOTAL		5777
RAT HOLE TOP		

BIT RECORD

BIT No.	3
SIZE	6 1/4
MAKE	Christ
TYPE	D
SERIAL	61127
JET SIZE	
FROM	5541
TO	5777
FOOTAGE	236
HRS.	7 3/4
COND.	

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	P. Hawley	12
DERRICK	D Zikman	12
MOTORMAN	[illegible]	12
FLOORMAN	A Williams	12
FLOORMAN	T Hansen	12
FIREMAN		

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	5777	5827	50	7 1/4	6 1/4
REAMED					
CORED					

TALLY

No.		LENGTH
56	STANDS	1771
2	SINGLE	33
15	D.C.'s	437.37
1	Steel	16.12
2	Steel	6.05
2	Steel	3.79
	Bent	771
KELLY IN		39.90
TOTAL		5827.00
RAT HOLE TOP		

BIT RECORD

BIT No.	3
SIZE	6 1/4
MAKE	Christ
TYPE	D
SERIAL	61127M
JET SIZE	
FROM	5541
TO	5827
FOOTAGE	286
HRS.	47 1/2
COND.	Bent

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	P. Hawley	12
DERRICK	J Smithyke	12
MOTORMAN	J Gibson	12
FLOORMAN	D Hudson	12
FLOORMAN	J Hendi	12
FIREMAN		

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	5827	5[illegible]	[illegible]	7 1/4	6 1/4
REAMED					
CORED					

TALLY

No.		LENGTH
57	STANDS	5[illegible]
	SINGLE	
15	D.C.'s	437.37
1	Steel	16.12
2	Steel	[illegible]
		771
1	Jars	771
KELLY IN		39.90
TOTAL		5[illegible]
RAT HOLE TOP		

BIT RECORD

BIT No.	3
SIZE	6 1/4
MAKE	Christ
TYPE	D
SERIAL	61127M
JET SIZE	
FROM	5541
TO	5[illegible]
FOOTAGE	[illegible]
HRS.	5[illegible]
COND.	Bent

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: G. Stack APPROVED: [signature]

Mobil Oil Canada, Ltd.
DAILY DRILLING REPORT

DATE March 1/71 — No. 76 DAILY TIME SHEET 3-35 (REV. 11/68)

FIELD or AREA: Hume River L-04 — WELL NAME & No. Mobil Oil Hume River L-04 — CONTRACTOR Sit Western LTD — RIG No. 11 — No. 76

Well Mobil Oil Can LTD Hum - River L-04 — Approved _____ Date March 1/71

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
2 A.M.	9.9	47			16	90	54	1600		
4 A.M.	9.9	48			11	90	54	1600		
6 A.M.	9.9	47			11	70	54	1600		
8 A.M.					11	70	54	1600		

LINER SIZE: 5½" STROKE 14"

MUD & CHEMICALS

LBS. Added	KIND
1000	Aqua Gel
300	Q-Broke
300	Lignite

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
10 A.M.	9.9	46	6.8	2/32	16	70	55	1600		
NOON	9.9	47								
2 P.M.	9.9	48								
4 P.M.	9.9	48	9.6	3/32						

LINER SIZE: 5½ STROKE

MUD & CHEMICALS

LBS. Added	KIND
300	Thicket
100	Caustic
600	Sugercal
200	Dialectic Lignite
2 bbls	Diesel Fuel

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
6 P.M.	9.9				16	70	55	1600		
8 P.M.										
10 P.M.	9.9	49								
12 P.M.	9.9	47								

LINER SIZE: 5½ STROKE 14"

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND
400	Control Magic		
4 bbls	Diesel Fuel		

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER B Helenga APPROVED L Simonick

WORK RECORD — 12 - 8 TOUR

START	STOP	HRS.	
12:00	12:45	3/4	Drlg 6¼ hole
12:45	1:00	¼	Rig Service & Tests
1:00	6:45	5¾	Drlg 6¼ hole (Well Static)
6:45	7:00	¼	Survey @ 5624 while Tripping Survey
7:00	8:00	¾	~~Survey~~ Drlg 6¼ hole

Amount Fuel Used 1110
Amount Fuel Delivered 730
Amount Fuel on Hand 6855
Amount Fuel to Haul
Amount Fuel on Hand 21495

STRING WT. 91 000
5624 — TV 5304 @ 28° N7E. N1511' W28'

DRILLER: A. H. CONTRACTOR'S TIME CO's. TIME

8 - 4 TOUR

START	STOP	HRS.	
8:00	12:00	4	Drlg 6¼ hole
12:00	12:15	¼	Rig Service & Tests - Hydromatic
12:15	4:00	3¾	Drlg 6¼ hole

BOP Tested ✓

DRILLER: _____ CONTRACTOR'S TIME CO's. TIME

4 - 12 TOUR

START	STOP	HRS.	
4:00	4:15	¼	Rig Service & Tests
4:15	11:15	7	Drlg 6¼ hole
11:15	11:30	½	Survey @ 5719
11:30	12:00	½	Drlg 6¼ hole

BOP Tested ✓

DRILLER: _____ CONTRACTOR'S TIME CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	3387	5630	47	7¼	6¼
REAMED					
CORED					

TALLY No.		LENGTH
184	STANDS	5777.11
1	SINGLE	15.62
15	D.C.'s	437.37
	Monel	18.62
2	Stbs	6.45
2	X-Overs	3.26
Hard		7.71
KELLY IN		31.56
TOTAL		5630.00
RAT HOLE TOP		

BIT RECORD	
BIT No.	3
SIZE	6¼
MAKE	Chris
TYPE	O
SERIAL	EC12710
JET SIZE	—
FROM	5541
TO	5630
FOOTAGE	89
HRS.	17
COND.	Run

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	R Morley	12
DERRICK	D Zimmer	12
MOTORMAN	W Stamp	12
FLOORMAN	A Williams	12
FLOORMAN	T Hansen	12
FIREMAN		

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	5630	5678	48	7¼	6¼
REAMED					
CORED					

TALLY No.		LENGTH
55	STANDS	5174.01
	SINGLE	
15	D.C.'s	437.37
	Monel	18.62
2	Stbs	6.45
2	X-Overs	3.26
Hard		7.71
KELLY IN		31.56
TOTAL		5678.00
RAT HOLE TOP		

BIT RECORD	
BIT No.	3
SIZE	6¼
MAKE	Chris
TYPE	O
SERIAL	EC12710
JET SIZE	—
FROM	5541
TO	5678
FOOTAGE	137
HRS.	24¼
COND.	Run

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	M Peterson	12
DERRICK	J Swift	12
MOTORMAN	J Wilson	12
FLOORMAN	D Hebert	12
FLOORMAN	S Kendle	12
FIREMAN		

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	5678	5721	43	7¼	6¼
REAMED					
CORED					

TALLY No.		LENGTH
5	STANDS	2356.4
2	SINGLE	
15	D.C.'s	437.77
	Monel	18.62
2	Stbs	6.45
2	X-Overs	3.26
Jars		31.71
KELLY IN		11.42
TOTAL		5721
RAT HOLE TOP		

BIT RECORD	
BIT No.	3
SIZE	6¼
MAKE	Chris
TYPE	O
SERIAL	EC12710
JET SIZE	—
FROM	5541
TO	5721
FOOTAGE	180
HRS.	22
COND.	Run

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

Mobil Oil Canada, Ltd.
DAILY DRILLING REPORT

DATE [illegible]-71   No. 75

FIELD or AREA: [illegible]   WELL NAME & No. [illegible]   CONTRACTOR [illegible]   RIG No. [illegible]

DAILY TIME SHEET 3-35 (REV. 11/68)
No. ___ Well [illegible] LTD [illegible]
Approved ___ Date [illegible]

12-8 TOUR

TIME	WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
2 A.M.	9.9	46			[illegible]	[illegible]	56	125[illegible]		
4 A.M.	9.8	48								
6 A.M.	9.8	48								
8 A.M.										

LINER SIZE: 5"   STROKE 14"

MUD & CHEMICALS

LBS. Added	KIND
300	Super Col
50	Unical

START	STOP	HRS.	WORK RECORD
[illegible]	[illegible]	¼	[illegible]
12[illegible]	[illegible]	1¾	[illegible]
[illegible]	7[illegible]	½	Survey @ 5528
			[illegible] WHILE TAKING SURVEY
			Amount Fuel Used 212
			Amount Fuel [illegible] 77[illegible]
			Amount Fuel [illegible] [illegible]
			Amount Fuel [illegible] [illegible]
			21 865 GALLONS
			A[illegible]
			455 sx Super Col 54 sx [illegible]

BOP Tested   DRILLER: [illegible]   CONTRACTOR'S TIME   CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	550[illegible]	5533	30	7¼	6¼
REAMED					
CORED					

TALLY

No.		LENGTH
53	STANDS	[illegible]
[illegible]	SINGLE	62.4
15	D.C.'s	[illegible]
	[illegible]	1862
	[illegible]	771
	[illegible]	127
	[illegible]	324
	KELLY IN	14[illegible]
	TOTAL	5533
	RAT HOLE TOP	

BIT RECORD

BIT No.	RR#2
SIZE	6¼
MAKE	[illegible]
TYPE	[illegible]
SERIAL	[illegible]
JET SIZE	3/16
FROM	[illegible]
TO	5533
FOOTAGE	143
HRS.	27½
COND.	[illegible]

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	[illegible]	12
DERRICK	[illegible]	12
MOTORMAN	[illegible]	12
FLOORMAN	[illegible]	12
FLOORMAN	[illegible]	12
FIREMAN		

REMARKS AND INJURIES: [illegible]

8-4 TOUR

TIME	WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
10 A.M.					20	46	56	1200		
NOON										
2 P.M.										
4 P.M.	9.8	48			14	50	55	1500		

LINER SIZE: 5½ x 14   STROKE

MUD & CHEMICALS

LBS. Added	KIND
700#	Supercol
100#	Unical
50#	Caustic

START	STOP	HRS.	WORK RECORD
8⁰⁰	9⁴⁵	1¾	Drlg 6¼" hole
9⁴⁵	10⁰⁰	¼	Rig Service & Bops
10⁰⁰	12¹⁵	2¼	Hoist bit #RR2
12¹⁵	12³⁰	¼	[illegible] : makeup bit #3
12³⁰	1⁰⁰	½	Run in w/ DC's
1⁰⁰	1³⁰	½	Slip 23' drlg line
1³⁰	3¹⁵	1¾	Run in & clean 5' fill to btm
3¹⁵	4⁰⁰	¾	Drlg 6¼" hole
			No loss or gain [illegible] fluid [illegible]
			Dropped one IBS : picked up NBR
			2 Stabs w/ NBR + IBS @ 25'

BOP Tested ✓   DRILLER: [illegible]   CONTRACTOR'S TIME   CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	5533	5544	11	2½	6¼
REAMED					
CORED					

TALLY

No.		LENGTH
53	STANDS	4920
2	SINGLE	504
15	D.C.'s	437.37
	[illegible]	18.62
	[illegible]	7.71
	[illegible]	6.45
	XO Sub	3.29
	KELLY IN	23.87
	TOTAL	5544.00
	RAT HOLE TOP	

BIT RECORD

BIT No.	RR#2	3
SIZE	6¼	✓
MAKE	Smith	Chris
TYPE	SSS	O
SERIAL	BW463	[illegible]
JET SIZE	3/16	-
FROM	5390	5541
TO	5541	5544
FOOTAGE	151	3
HRS.	29	¾
COND.	2-3-1	[illegible]

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	[illegible]	12
DERRICK	J [illegible]	12
MOTORMAN	[illegible]	12
FLOORMAN	[illegible]	12
FLOORMAN	J [illegible]	12
FIREMAN		

REMARKS AND INJURIES:

4-12 TOUR

TIME	WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
6 P.M.					14	50	55	1500		
8 P.M.					[illegible]	[illegible]	[illegible]	[illegible]		
10 P.M.	9.9	48			16	70	[illegible]	[illegible]		
12 P.M.					[illegible]	[illegible]	[illegible]	[illegible]		

LINER SIZE: 5½   STROKE 14"

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND
250	Supercol		
200	Unical		
200	Caustic		

START	STOP	HRS.	WORK RECORD
4⁰⁰	7⁴⁵	3¾	Drlg 6¼" hole
7⁴⁵	8⁰⁰	¼	Rig Service & Bops : Kelly cock
8⁰⁰	12[illegible]	4	Drlg 6¼" hole

BOP Tested ✓   DRILLER: [illegible]   CONTRACTOR'S TIME   CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	5544	5587	43	7¾	6¼
REAMED					
CORED					

TALLY

No.		LENGTH
54	STANDS	5077[illegible]
	SINGLE	
15	D.C.'s	437.37
	[illegible]	18[illegible]
	[illegible]	7.71
	[illegible]	6.45
	XO Sub	3.29
	KELLY IN	24.21
	TOTAL	5587
	RAT HOLE TOP	

BIT RECORD

BIT No.	#3
SIZE	6¼
MAKE	[illegible]
TYPE	O
SERIAL	[illegible]
JET SIZE	
FROM	5541
TO	5587
FOOTAGE	46
HRS.	9¾
COND.	[illegible]

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: ___ PSI. MIN. ___ FORMATION TESTED ___ PSI. MIN. ___ EQUIPMENT FAILURES ___ TIME LOST ___

RIG FUEL CONSUMPTION ___ GALS   BOILER FUEL CONSUMPTION ___ GALS   WIRELINE TON MILE ___ TOOL PUSHER [signature] APPROVED [signature]

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE Feb-27-71 No. 74 No. ____ DAILY TIME SHEET 3-35 (REV. 1/68)

FIELD or AREA: Home Bunker L-04 WELL NAME & No. Mobil Oil Home Bunker L-04 CONTRACTOR [illegible] LTD. RIG No. 16

Well Mobil Oil Canada Ltd. Home Bunker L-04 Approved ____ Date Feb 27

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
2 A.M.	10.0	40			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
4 A.M.	10.1	41								
6 A.M.	10.1	48								
8 A.M.										

LINER SIZE: [illegible] STROKE [illegible]

MUD & CHEMICALS

LBS. Added	KIND
750	Super Col
50	Carbtex
100	Desco-Col

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
10 A.M.	10.1	46	9.2	2/32	7	46	65	1950		
NOON	10.1	45			20					
2 P.M.	10.1	46								
4 P.M.	10.1	47	9.4	2/32						

LINER SIZE: 5" x 14 STROKE

MUD & CHEMICALS

LBS. Added	KIND
500#	Super Col

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
6 P.M.					20	45	92	1200		
8 P.M.										
10 P.M.	10.2	42								
12 P.M.	9.9	44								

LINER SIZE: 5" STROKE [illegible]

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

WORK RECORD — 12 - 8 TOUR

START	STOP	HRS.	
12	12 15	1/4	Rig Service & Rig Up
12 15	2	1 3/4	Run in w/ Bit #12
2	3	1	Cleaning & Reaming from 5215' to 5390'
3	4 30	1 1/2	Drlg 11 1/2 hole
4 30	5	1/2	Survey @ 5403
5	6	3	Drlg 11 1/2 hole

Drld 5403 to 5407 NNE 1/4 N. 1/4 W'

Amount Fuel Used = 566 Gallons
Amount Fuel at Strip = 7200 Gallons
Amount Fuel at Rig 7477
Amount at River 6000
Fuel is at Strip
Amount Fuel on Hand 22,677 Gallons

BOP Tested ✓ DRILLER: [illegible] CONTRACTOR'S TIME CO's. TIME

8 - 4 TOUR

START	STOP	HRS.	
6 00	8 15	1/4	Rig Service / Repair Kelly Cock
8 15	4 00	7 3/4	Drlg 6 1/2 hole

BOP Tested ✓ DRILLER: A. Hennessy CONTRACTOR'S TIME CO's. TIME

4 - 12 TOUR

START	STOP	HRS.	
4 00	4 15	1/4	Rig Service / Repair
4 15	1	7 3/4	Drlg 6 1/2 hole

BOP Tested ✓ DRILLER: [illegible] CONTRACTOR'S TIME CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	5390	5432	42	4 1/2	6 1/4
REAMED					
CORED					

TALLY No.		LENGTH
6	STANDS	496.0
1	SINGLE	30.4
12	D.C.'s	437.77
1	Mud	18.62
1	Jars	7.71
2	Subs	6.27
KELLY IN		31.2
TOTAL		5431.2
RAT HOLE TOP		

BIT RECORD	
BIT No.	RR2
SIZE	6 1/4
MAKE	Smith
TYPE	F-3
SERIAL	GW463
JET SIZE	3/16
FROM	5390
TO	5432
FOOTAGE	42
HRS.	4 1/2
COND.	Used

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	P. [illegible]	12
DERRICK	E.D. [illegible]	12
MOTORMAN	[illegible]	12
FLOORMAN	A. [illegible]	12
FLOORMAN	T. [illegible]	12
FIREMAN		

REMARKS AND INJURIES:

Fuel on hand 7477 Gals

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	5432	5468	36	7 3/4	6 1/4
REAMED					
CORED					

TALLY No.		LENGTH
53	STANDS	496.68
	SINGLE	
15	D.C.'s	437.37
1	Mud	18.62
1	Jars	7.71
2	Subs	4.27
2	Subs	3.29
KELLY IN		12.06
TOTAL		5468.80
RAT HOLE TOP		

BIT RECORD	
BIT No.	RR2
SIZE	6 1/4
MAKE	Smith
TYPE	F-3
SERIAL	GW463
JET SIZE	3/16
FROM	5390
TO	5468
FOOTAGE	78
HRS.	12 1/4
COND.	Used

Tour 2	8 A.M. to 4 P.M.	Hrs
DRILLER	A. Hennessy	12
DERRICK	J. Smithyk	12
MOTORMAN	J. Nicholson	12
FLOORMAN	D. Hurlburt	12
FLOORMAN	J. Kendall	12
FIREMAN		

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
REAMED					
CORED					

TALLY No.		LENGTH
[illegible]	STANDS	[illegible]
1	SINGLE	[illegible]
[illegible]	D.C.'s	[illegible]
1	[illegible]	18.62
2	[illegible]	4.27
1	[illegible]	7.71
2	[illegible]	3.29
KELLY IN		[illegible]
TOTAL		[illegible]
RAT HOLE TOP		

BIT RECORD	
BIT No.	[illegible]
SIZE	[illegible]
MAKE	[illegible]
TYPE	[illegible]
SERIAL	[illegible]
JET SIZE	[illegible]
FROM	[illegible]
TO	[illegible]
FOOTAGE	[illegible]
HRS.	[illegible]
COND.	[illegible]

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: ____ PSI. MIN. ____ FORMATION TESTED ____ PSI. MIN. ____ EQUIPMENT FAILURES ____ TIME LOST ____

RIG FUEL CONSUMPTION ____ GALS BOILER FUEL CONSUMPTION ____ GALS WIRELINE TON MILE ____ TOOL PUSHER [illegible] APPROVED: [illegible]

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE FEB-26-71 | No. 73 DAILY TIME SHEET | Well Mobil Oil Can. Hume River 2-09

FIELD or AREA: Hume River NWT | WELL NAME & No. Mobil Oil Hume River 2-09 | CONTRACTOR SGT. WESTERN LTD. | RIG No. 15 | No. 73 | Approved | Date FEB 26-71

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEVIATION DEG.
2 A.M.	Tripping									
4 A.M.										
6 A.M.										
8 A.M.	10.2	41								

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND

START	STOP	HRS.	WORK RECORD — 12 - 8 TOUR
1200	1215	1/4	Unload WT material off Plane
1215	1430	2 1/4	finish trip out to pick up Core BBL. #1
1430	1445	1/4	See Rig & Rams
1445	1745	2	Pick up Core BBL & Service Bearing & Run Top of INNER BBL on Bottom 30'
1745	1900	2 1/4	Run in w/Core BBL w/Full hydrostatic
1900	1900	1	Circ To Cut Core #1
			Lost 45' mud while out of hole
			129 SAX WT. MATERIAL & 42 SAX Super Coil

BOP Tested ✓ | DRILLER: Ron Smith | CONTRACTOR'S TIME | CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	5373				6 1/4
REAMED	5373				
CORED					

TALLY No.		LENGTH
53	STANDS	1992.86
	SINGLE	
11	D.C.'s	314.93
1	Monel	18.62
1	IBS	7.71
1	Core BBL	32.25
	KELLY IN	46.67
	TOTAL	5373.
	RAT HOLE TOP	

BIT RECORD	
BIT No.	2
SIZE	6 1/4
MAKE	Smith
TYPE	55 S
SERIAL	BH1463
JET SIZE	7-16
FROM	5368
TO	5373
FOOTAGE	5
HRS.	1
COND.	1-1

Tour 1 | Midnite to 8 A.M. | Hrs.

DRILLER	Ron Smith	8
DERRICK	C. Campbell	8
MOTORMAN	K. Wilson	8
FLOORMAN	L. Johnson	8
FLOORMAN	M. Schumacher	8
FIREMAN		

REMARKS AND INJURIES:

Fuel 7'6" 8 A.M.
2045 gallons @ RC
7200 Gallons @ Airstrip
8000 Gallons @ River

MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEVIATION DEG.
10 A.M. 10.3	41	9.5	2	12	73	2	1		
NOON 10.3	46			13					
2 P.M. 10.4	46								
4 P.M. 10.4	47								

LINER SIZE: 5 1/2 STROKE 14

MUD & CHEMICALS

LBS. Added	KIND
600	Super Coil
120	Quick Seal

START	STOP	HRS.	8 - 4 TOUR
400	430	1/2	Rig Service [illegible]
430	800	3 1/2	Circ & Cut Core #1 [illegible]
800	1200	4	Cut Core #1.

BOP Tested | DRILLER: [illegible] | CONTRACTOR'S TIME | CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED	5373	5390	17	7 1/2	6 1/4

TALLY No.		LENGTH
53	STANDS	1992.86
	SINGLE	14.93
1	D.C.'s	157.62
1	Monel	31.71
1	Sub	7.71
1	Core BBL	32.25
	KELLY IN	27.73
	TOTAL	5390.21
	RAT HOLE TOP	

BIT RECORD	
BIT No.	1C
SIZE	6 3/4
MAKE	Christensen
TYPE	D
SERIAL	71746
JET SIZE	
FROM	5373
TO	5390
FOOTAGE	17
HRS.	7 1/2
COND.	Rec

Tour 2 | 8 A.M. to 4 P.M. | Hrs

DRILLER	[illegible]	12
DERRICK	D. Zimmerman	12
MOTORMAN	[illegible]	12
FLOORMAN	T. Hunt	12
FLOORMAN	A. Wilson	12
FIREMAN		
[illegible]	[illegible]	12

REMARKS AND INJURIES:

MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEVIATION DEG.
6 P.M. 10.4	47								
8 P.M.									
10 P.M. T.I.P.									
12 P.M.									

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

START	STOP	HRS.	4 - 12 TOUR
[illegible]	[illegible]	[illegible]	Cut Core #1
700	1000	3	Trip out #1
1000	1045	3/4	Recover Core & Handle over BBL - Lay down Same
1045	1100	1/4	Trip In
1100	1200	1	Run In w/Bit #RR2-6 1/4 355 = BW463
			Start full Core Recovery 17'
			Core #1 5373 - 5390' 17' = 100% Rec

BOP Tested | DRILLER: | CONTRACTOR'S TIME | CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	[illegible]		[illegible]		
REAMED					
CORED	5373	[illegible]	[illegible]	[illegible]	[illegible]

TALLY No.		LENGTH
53	STANDS	[illegible]
	SINGLE	
1	D.C.'s	[illegible]
1	[illegible]	[illegible]
1	Sub	7.71
1	[illegible]	[illegible]
	KELLY IN	27.73
	TOTAL	[illegible]
	RAT HOLE TOP	

BIT RECORD	
BIT No.	1C
SIZE	6 3/4
MAKE	[illegible]
TYPE	D
SERIAL	71746
JET SIZE	[illegible]
FROM	[illegible]
TO	
FOOTAGE	17
HRS.	[illegible]
COND.	

Tour 3 | 4 P.M. to Midnite | Hrs.

DRILLER	[illegible]	4 - 8
DERRICK	[illegible]	4 - 8
MOTORMAN	[illegible]	4 - 8
FLOORMAN	[illegible]	4 - 8
FLOORMAN	[illegible]	4 - 8
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: [illegible] APPROVED [illegible]

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE FEB 25-71

No. 72 DAILY TIME SHEET 3-35 (REV. 1/68)

Well Mobil Oil Hume River 2-09

FIELD or AREA: Hume River N.W.T. WELL NAME & No. Mobil Oil Hume River 2-09 CONTRACTOR SAT. (WESTERN LTD No. 72 RIG No. 1E

Approved _____ Date FEB 25-71

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
2 A.M.	9.7	43				20	44	900		
4 A.M.	9.7	47								
6 A.M.	9.7	44								
8 A.M.	9.7	45								

LINER SIZE: 5½ STROKE 14"

MUD & CHEMICALS

LBS. Added	KIND
200#	Quik Seal
630#	Super Col

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
10 A.M.	9.7	44								
NOON	9.7	46								
2 P.M.	9.8	45								
4 P.M.	10.2	44								

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND
250	Super Col
4500	Mil-Gel
80	Quik Seal

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
6 P.M.	10.4	45								
8 P.M.	10.5	45								
10 P.M.	10.6	45								
12 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

WORK RECORD — 12-8 TOUR

START	STOP	HRS.	
12:00	12:15	¼	See Rig & B.O.P.
12:15	8:00	7¾	Circ Cond. mud - wait on Weight Material
			Note Well Flowing when pump shutt off
			Fuel @ 7 AM 7'10"

BOP Tested ✓ DRILLER: Ron Smith CONTRACTOR'S TIME CO's. TIME

8-4 TOUR

START	STOP	HRS.	
4:00	12:00	4	Wait on Weight Material - Mixing Mud
12:00	4:00	4	Mix Weight Material - Circ Mud
			Hung Sub & Mix-Bowl & Plugs

BOP Tested _____ DRILLER: _____ CONTRACTOR'S TIME CO's. TIME

4-12 TOUR

START	STOP	HRS.	
4:00	4:15	¼	Rig Serv
4:15	7:15	3	Circ & Mix Weight Material & kill well.
7:15	8:45	1½	Trip out to stand Dummy T.P IN.
8:45	11:00	2¼	Circ Cond Mud To Pickup Cone BBL.
11:00	12:00	1	Trip out To Pickup Cone BBL.

BOP Tested ✓ DRILLER: Ron Smith CONTRACTOR'S TIME CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	5373	—			6¼
REAMED					
CORED					

TALLY

No.		LENGTH
53	STANDS	4982.93
1	SINGLE	31.40
10	D.C.'s	314.93
1	mon el	18.62
1	STAB	2.67
1	Jars	7.71
1	MS/DE Recv	1.95
2	Subs.	3.29
KELLY IN		9.60
TOTAL		5373
RAT HOLE TOP		

BIT RECORD

BIT No.	2
SIZE	6¼
MAKE	Smith
TYPE	55S
SERIAL	RL 4163
JET SIZE	3-16
FROM	5368
TO	5373
FOOTAGE	5
HRS.	1
COND.	Rec

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	Ron Smith	12
DERRICK	C Campbell	12
MOTORMAN	K Wilson	12
FLOORMAN	L Johnson	12
FLOORMAN	M Schuymayer	12
FIREMAN		

REMARKS AND INJURIES:

Fuel 7"10" 8 A.M.

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	5373				
REAMED					
CORED					

TALLY

No.		LENGTH
53	STANDS	4982.93
1	SINGLE	31.40
11	D.C.'s	346.55
1	Monel	18.62
1	STAB	2.67
1	Jars	7.71
1	MS/DE Recv	1.95
2	Subs.	3.29
KELLY IN		9.60
TOTAL		5373
RAT HOLE TOP		

BIT RECORD

BIT No.	2
SIZE	6¼
MAKE	Smith
TYPE	55S
SERIAL	RL 4163
JET SIZE	3-16
FROM	5368
TO	5373
FOOTAGE	5
HRS.	1
COND.	Rec

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	P Hall	12
DERRICK	D Tiessen	12
MOTORMAN	W Clark	12
FLOORMAN	A Wall	12
FLOORMAN	T Hall	12
FIREMAN		
	[illegible]	12

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	5373				6¼
REAMED					
CORED					

TALLY

No.		LENGTH
53	STANDS	4982.93
1	SINGLE	31.40
11	D.C.'s	314.93
1	Monel	18.62
1	STAB	2.67
1	Jars	7.71
1	BOP Valve	1.95
2	Subs	3.29
KELLY IN		9.60
TOTAL		5373.00
RAT HOLE TOP		

BIT RECORD

BIT No.	2
SIZE	6¼
MAKE	Smith
TYPE	55-S
SERIAL	RL 4163
JET SIZE	3-16
FROM	5368
TO	5373
FOOTAGE	5
HRS.	1
COND.	Rec

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: A B Belenza APPROVED: L Lisinski

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE FEB 24 - 71

No. 71 DAILY TIME SHEET 3-35 (REV. 1/68)

FIELD or AREA: Hume River 2-09 WELL NAME & No. Mobil Oil Hume River CONTRACTOR Sgt. Western LTD RIG No. 1E

No. 71

Well Mobil Oil Hume River 2-09

Approved _____ Date FEB 24-

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
2 A.M.										
4 A.M.										
6 A.M.										
8 A.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND
400#	Super Col

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
10 A.M.	9.7	40								
NOON	9.5	40								
2 P.M.	9.5	45								
4 P.M.	9.5	50								

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
6 P.M.	9.6	49			15	117	114	700		
8 P.M.	9.9	47								
10 P.M.										
12 P.M.										

LINER SIZE: 5 1/2" STROKE 14"

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND
100	Caustic		
100	Mor Col		
1200	Lignosol		
2000	Mil Bar		

WORK RECORD — 12 - 8 TOUR

START	STOP	HRS.	
1200	1230	1/2	Bleed off Pressure + Steam out Kelly To Circ.
1230	100	1/2	Circ Through Drill pipe + Through choke
100	145	3/4	Pumped Down annulus 50 BBLs mud w/ BJ
145	400	2 1/4	Bleed off Through choke To Tank
400	530	1 1/2	Pumped Down 140 BBLs Through Annulus To Kill Well
530	800	2 1/2	Bleed off Pressure

BOP Tested ✓ DRILLER: Ron Savill CONTRACTOR'S TIME CO's. TIME

8 - 4 TOUR

START	STOP	HRS.	
400	1040	2 3/4	Bleed off Pressure
1040	1200	1 1/4	Break Rotary IN Drill pipe
1200	1230	1/2	Break Circ.
1230	130	1	Pump Through Drill pipe + Mud Check Tank
130	230	1	Lock Hyd. Ram Close Csg Mud
230	400	1 1/2	Cleaning Tank. Trans 53 Joints

BOP Tested ✓ DRILLER: [illegible] CONTRACTOR'S TIME CO's. TIME

4 - 12 TOUR

START	STOP	HRS.	
400	415	1/4	Rig Serv.
415	445	1/2	Work pipe + Check [illegible]
445	500	1/4	Tidy Up 7 7/8 hole
500	515	1/4	Check [illegible]
500	600	1/4	Lubr. Rig
600	800	2	[illegible]
800	1200	4	Open Hole + Core cut 90 joints + Wait on Light Machine

BOP Tested ✓ DRILLER: [illegible] CONTRACTOR'S TIME CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY

No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	

BIT RECORD

BIT No.	
SIZE	
MAKE	
TYPE	
SERIAL	
JET SIZE	
FROM	
TO	
FOOTAGE	
HRS.	
COND.	

KELLY IN

TOTAL

RAT HOLE TOP

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY

No.		LENGTH
53	STANDS	4982.29
	SINGLE	
11	D.C.'s	314.93
1	Mud	18.62
2		
1		7.71
		3.47

BIT RECORD

BIT No.	2
SIZE	6 1/4
MAKE	Smith
TYPE	351
SERIAL	DW4163
JET SIZE	3-16
FROM	5368
TO	5373
FOOTAGE	5
HRS.	1
COND.	

KELLY IN 9.00

TOTAL 5373.

RAT HOLE TOP

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	5368	5373	5	1	6 1/4
REAMED					
CORED					

TALLY

No.		LENGTH
53	STANDS	4982.29
1	SINGLE	31.16
11	D.C.'s	314.93
1	Mud	18.62
2		3.47
1		7.71
2		3.29

BIT RECORD

BIT No.	2
SIZE	6 1/4
MAKE	Smith
TYPE	351
SERIAL	DW4163
JET SIZE	3-16
FROM	5368
TO	5373
FOOTAGE	5
HRS.	1
COND.	

KELLY IN 9.00

TOTAL 5373.

RAT HOLE TOP

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	Ron Savill	12
DERRICK	C. Campbell	12
MOTORMAN	K. Wilson	12
FLOORMAN	L. Johnson	12
FLOORMAN	M. Schaapveyer	12
FIREMAN		

REMARKS AND INJURIES:

Tour 2	8 A.M. to 4 P.M.	Hrs
DRILLER	R. Hanley	12
DERRICK	D. Ziemann	12
MOTORMAN	W. Lund	12
FLOORMAN	A. Williams	12
FLOORMAN	T. Hunter	12
FIREMAN		
Welder	R. Hoffmann	12

REMARKS AND INJURIES:

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: B Zubenyk APPROVED: L Lemasolier

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE FEB-23-71

No. 70 DAILY TIME SHEET 3-35 (REV. 1/68)

FIELD or AREA: Hume River West WELL NAME & No. Mobil Oil Hume River 1-09 CONTRACTOR Sat. Electron. LTD RIG No. 12

No. 70

Well Mobil Oil Hume River 1-04

Approved _____ Date FEB. 23-71

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
2 A.M.										
4 A.M.										
6 A.M.										
8 A.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND
—	Super Cal
100	Caustic
300	Gell Cal
200	Kwik Seal
	~~Spersene~~

START	STOP	HRS.	WORK RECORD 12 - 8 TOUR
12:00	1:30	1½	Cond mud & mix WT. material
1:30	3:00	1½	Repair BOP manifold
3:00			Pumping Down 10.4 lbs mud to Test & Kill well w/
	4:45	1¾	BJ Cementers. 200 BBLs.
4:45	8:00	3¼	Shut in B.O.P & Mix mud.

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	5368				
REAMED					
CORED					

TALLY

No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
	KELLY IN	
	TOTAL	
	RAT HOLE TOP	

BIT RECORD

BIT No.			
SIZE			
MAKE			
TYPE			
SERIAL			
JET SIZE			
FROM			
TO			
FOOTAGE			
HRS.			
COND.			

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	Ron Smith	12
DERRICK	C. Campbell	12
MOTORMAN	K. Wilson	12
FLOORMAN	L. Johnsen	12
FLOORMAN	M. Schoppmeyer	12
FIREMAN		

REMARKS AND INJURIES:

	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
10 A.M.										
NOON										
2 P.M.										
4 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND
1500	Super Cal
25000	Spersene
60	Caustic

BOP Tested ✓ DRILLER: Ron Cahill CONTRACTOR'S TIME CO's. TIME

START	STOP	HRS.	8 - 4 TOUR
8:00	11:00	3	Cond Mud. Mix WT Material
11:00	11:30	½	Pump Mud w/BJ Cement to Test & Kill well
11:30	12:00	½	Bleed off Line to pump
12:00	12:30	½	Pump 10 BBLs w/BJ Cement
12:30	1:30	1	Bleed off Line to Pump
1:30	4:00	2½	Cond Mud Mix WT Material & Pump some down hole

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY

No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
	KELLY IN	
	TOTAL	
	RAT HOLE TOP	

BIT RECORD

BIT No.			
SIZE			
MAKE			
TYPE			
SERIAL			
JET SIZE			
FROM			
TO			
FOOTAGE			
HRS.			
COND.			

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	R. Hedley	12
DERRICK	D. Zimmer	12
MOTORMAN	W. Stamp	12
FLOORMAN	A. Williams	12
FLOORMAN	T. Hunter	12
FIREMAN	B. Pantuck	T 8

REMARKS AND INJURIES:

	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
6 P.M.										
8 P.M.										
10 P.M.										
12 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND
2000	C.I.T. MIX		
500	Super Cal		
400	Unicol		

BOP Tested DRILLER: Ron Smith CONTRACTOR'S TIME CO's. TIME

START	STOP	HRS.	4 - 12 TOUR
4:00	5:00	1	Pump 10 BBLs w/ BJ Cementers
5:00	6:30	1½	Pump 5 BBLs Fresh Water & Displace
6:30	7:00	½	Pump 10 BBLs w/BJ Cementers
7:00	9:30	2½	Cond Mud & Displace Cement
9:30	10:30	1	Pumped 50 BBLs Down Annulus
10:30	11:00	½	Bleed off Pressure
11:00	11:45	¾	Run in D.C. & Pipe to 9450'
11:45	12:00	¼	Well Kicking Bleed off Pressure & Pick up Kelly To Circulate.

Mud wt anywhere between 10.5 lbs after circulating at 685 mud wt decrease to 10.1 lbs.

Trip 40-45.

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY

No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
	KELLY IN	
	TOTAL	
	RAT HOLE TOP	

BIT RECORD

BIT No.			
SIZE			
MAKE			
TYPE			
SERIAL			
JET SIZE			
FROM			
TO			
FOOTAGE			
HRS.			
COND.			

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: R. Hedley APPROVED: L. Leamister

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE FEB 22-71

No. 69 DAILY TIME SHEET 3-35 (REV. 1/68)

Well Mobil Oil Hume River 2-09

Approved _____ Date 2-22-7

FIELD or AREA: Hume River 2-09 WELL NAME & No. Mobil Oil Hume River 2-09 CONTRACTOR Sgt. Western LTD RIG No. 1E No. 69

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
2 A.M.	9.4	45			15	65	70	1250		
4 A.M.	9.4	46			15	65	50	600		
6 A.M.										
8 A.M.	9.4	50								

LINER SIZE: 6½ STROKE 14"

MUD & CHEMICALS

LBS. Added	KIND
200	CAUSTIC
200	UNI CAL
300	SUPER COL
48#	KWIK SEAL 12 BAGS

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
10 A.M.					15	60	50	1500		
NOON										
2 P.M.										
4 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND
[redacted]	Super Col
1500	

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
6 P.M.										
8 P.M.										
10 P.M.										
12 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND
14,000#	WT. MAT		
2 sx	KWIK SEAL		

WORK RECORD — 12-8 TOUR

START	STOP	HRS.	
1200	5:30	5½	Drlg 6¼" hole
5:30	5:45	¼	Pulled up into Casing Lost Circ 80 BBL mud @ 5332'
5:45	6:00	¼	DRLG. Cut Pump Strokes Back To 60 900 PSI
			Lost Another 20 BBL. mud.
6:00	6:30	½	Mix Mud + Lost Circ MATERIAL
6:30	8:00	1½	DRLG. Cut Pump Back To 50 STROKES @ 600 P.S.I
			Lost. 125 BBL. mud

BOP Tested

DRILLER: Ron Smith CONTRACTOR'S TIME CO's. TIME

WORK RECORD — 8-4 TOUR

START	STOP	HRS.	
4:00	1:30	5½	Drlg 6¼ hole
1:30	2:00	½	Circ Sample @ 5369
2:00	4:00	2	Trip out for B.C
4:00	[redacted]		[redacted]

BOP Tested

DRILLER: R. H. G CONTRACTOR'S TIME CO's. TIME

WORK RECORD — 4-12 TOUR

START	STOP	HRS.	
4:00	4:30	½	Loaded Dyna Drill in Place
4:30	4:45	¼	Finished Trip out
4:45			Well Flowing Mixing W.T. Material
			Hook up Bleed off line to Sump +
			Pumped Down 200 BBLS WATER TO
	12:00	7½	Try + Kill well

BOP Tested ✓

DRILLER: [redacted] CONTRACTOR'S TIME CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	5312	5347	35'	7½	6¼
REAMED					
CORED					

TALLY

No.		LENGTH
53	STANDS	498293
	SINGLE	
11	D.C.'s	314.93
1	pound	18.62
1	Jars	7.71
2	Subs	3.29
	KELLY IN	19.52
	TOTAL	5312.69
	RAT HOLE TOP	

BIT RECORD

BIT No.	19
SIZE	6¼
MAKE	Smith
TYPE	V2J
SERIAL	DW664
JET SIZE	3-20
FROM	5296
TO	5347
FOOTAGE	51'
HRS.	10
COND.	Run

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	5347	5368	21	5½	6¼
REAMED					
CORED					

TALLY

No.		LENGTH
53	STANDS	498293
	SINGLE	31493
11	D.C.'s	
1	Mud	14.62
1	Jars	7.71
2	Subs	3.27
	KELLY IN	41.00
	TOTAL	576849
	RAT HOLE TOP	

BIT RECORD

BIT No.	14
SIZE	6¼
MAKE	Smith
TYPE	V2J
SERIAL	DW514
JET SIZE	3-20
FROM	4:46
TO	5368
FOOTAGE	72
HRS.	15½
COND.	2-3-1

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	5368				
REAMED					
CORED					

TALLY

No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
	KELLY IN	
	TOTAL	
	RAT HOLE TOP	

BIT RECORD

BIT No.	2
SIZE	6¼
MAKE	Smith
TYPE	554
SERIAL	BW460
JET SIZE	7/16
FROM	5364
TO	
FOOTAGE	
HRS.	
COND.	

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	Ron Smith	12
DERRICK	C. Campbell	12
MOTORMAN	K. Wilson	12
FLOORMAN	J. Johnson	12
FLOORMAN	M. Schampmeyer	12
FIREMAN		

REMARKS AND INJURIES:

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	K. Hamm	12
DERRICK	D. Zinner	12
MOTORMAN	W. Slemp	12
FLOORMAN	A. Williams	12
FLOORMAN	T. Hanson	12
FIREMAN	P. Bostwick	8

REMARKS AND INJURIES:

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: [redacted] APPROVED: [redacted]

32.17

Mobil Oil Canada, Ltd.
DAILY DRILLING REPORT

DATE FEB 21-71

No 68 DAILY TIME SHEET 3-35 (REV. 1 1/68)

Well Mobil Oil Hume River 2-09

Approved _____ Date FEB 21-

FIELD or AREA: Hume River WELL NAME & No. Mobil Oil Hume River 2-09 CONTRACTOR S&T. WESTERN LTD No 68 RIG No. 1E

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEVIATION DEG.
2 A.M.										
4 A.M.	W.O.C									
6 A.M.										
8 A.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND

START	STOP	HRS.	WORK RECORD 12 - 8 TOUR
12:00			W.O.C Finish Hooking up +
	8:00		Laydown 6 1/4" Collars
			Picked up 3 1/2" Kelly + Laydown 4 1/2".
			Pressure Tested Blind Rams To
			1250 P.S.I Held Okay.

BOP Tested

DRILLER: Ron Smith CONTRACTOR'S TIME CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY

No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
	KELLY IN	
	TOTAL	
	RAT HOLE TOP	

BIT RECORD

BIT No.	
SIZE	
MAKE	
TYPE	
SERIAL	
JET SIZE	
FROM	
TO	
FOOTAGE	
HRS.	
COND.	

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	Ron Smith	14
DERRICK	C. Campbell	12
MOTORMAN	K. Wilson	12
FLOORMAN	L. Johnson	12
FLOORMAN	M. Schaapmeyer	12
FIREMAN		

REMARKS AND INJURIES:

	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEVIATION DEG.
10 A.M.										
NOON	Rig up									
2 P.M.										
4 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND

START	STOP	HRS.	8 - 4 TOUR
8:00	9:15	1 1/4	Rig up.
9:15	11:00	1 3/4	Pick up 4 1/2 D.H. Collars & Run in Laydown
			Drill out D.V. Tool. D.H. Test

BOP Tested

DRILLER: K. Smith CONTRACTOR'S TIME CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					6 1/4
REAMED					
CORED					

TALLY

No.		LENGTH
48	STANDS	4496.60
2	SINGLE	
11	D.C.'s	314.93
1	[illegible]	1.90
1	Jars	7.71
2	Subs	3.27
	KELLY IN	16.17
	TOTAL	5296
	RAT HOLE TOP	

BIT RECORD

BIT No.	19
SIZE	6 1/4
MAKE	Smith
TYPE	V2J
SERIAL	DW66*1
JET SIZE	3-20
FROM	5296
TO	
FOOTAGE	
HRS.	
COND.	

Tour 2	8 A.M. to 4 P.M.	Hrs
DRILLER	R. Hunt	12
DERRICK	D. Z[illegible]	12
MOTORMAN	W. Si[illegible]	12
FLOORMAN	A. [illegible]	12
FLOORMAN	T. H[illegible]	12
FIREMAN	D. [illegible]	12

REMARKS AND INJURIES:

	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEVIATION DEG.
6 P.M.	Rig up				15	65	70	1250		
8 P.M.										
10 P.M.	9.4	40	9.4	2/32						
12 P.M.	9.4	41	—	—	PH. 10.5					

LINER SIZE: 5 1/2" STROKE 14"

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND
360	Bi Con Mud		

START	STOP	HRS.	4 - 12 TOUR
4:00	4:45	3/4	Finish Running in Toy [illegible] @ 5233.
4:45	5:00	1/4	Break Circ.
5:00	5:45	3/4	Run 4 Mud [illegible] Hole Clean
5:45	6:00	1/4	Run Kelly Circ. Up Bottom Hole Clean
6:00	7:45	1 3/4	Circ. [illegible]
7:45	9:00	1 1/4	DRLG. out Float + shoe @ 5282
9:00	9:15	1/4	Surv. Rig
9:15	12:00	2 3/4	DRLG. 6 1/4" hole

BOP Tested ✓

DRILLER: Ron Smith CONTRACTOR'S TIME CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	5296	5312	16'	2 3/4	6 1/4
REAMED					
CORED					

TALLY

No.		LENGTH
52	STANDS	4795.60
2	SINGLE	11.95
11	D.C.'s	314.93
1	Monel	19.62
1	Jars	7.71
2	Subs	3.27
	KELLY IN	16.17
	TOTAL	5296
	RAT HOLE TOP	

BIT RECORD

BIT No.	19
SIZE	6 1/4
MAKE	Smith
TYPE	V2J
SERIAL	DW66*1
JET SIZE	3-20
FROM	5296
TO	5312
FOOTAGE	16
HRS.	2 3/4
COND.	Run

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: A. Valenza APPROVED: L. Lessmiller

MOBIL OIL CANADA, LTD.
CASING AND CEMENTING REPORT

3-38 (REV. 4/67)

WELL NAME Mobil Hume River L-09 DATE FEB 20/71

LOCATION LS ___, SEC ___, TWP ___, RGE ___, W ___M 129°-31' W — 54°-29'-N.

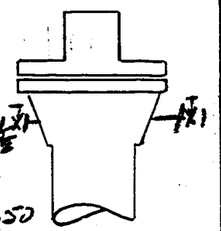
CASING (LIST IN ORDER RUN)

	SIZE	WT	GRADE	THREADS NO.	THREADS TYPE	NEW OR USED	NO. JOINTS	LENGTH TOTAL
1	7	23	J55	8	STAC	NEW	71	2781.05
2	7	20	J55	8	STAC	NEW	65	2122.88
3	7	23	J55	8	STAC	NEW	10	390.65
4								
5								
6								
7								
TOTAL CASING ON THE LEASE BEFORE STARTING								
CASING REMAINING ON THE LEASE AFTER RUNNING								
TOTAL CASING RUN							146	5294.58
LENGTH UP FROM KB ON LANDING JOINT								12.00
CASING LANDED AT 5281.58								K.B TO CRD 13.50

KB ELEVATION ___

KB TO FLANGE 12.00 FT

CASING FLANGE
TYPE B
MFRG NSCO
SIZES 10" x 9.00 x 9 5/8
WP 3000



KB
ROTARY TABLE

___KB PIPE LANDED 14 FEET OFF BOTTOM

SCRATCHERS TYPE — MFGR — INTERVAL —

CENTRALIZERS TYPE LATCH ON MFGR B&W INTERVAL 5270', 5210', 5140', 5260', 5300'

FLOAT COLLAR AT ___ LENGTH 1.19 MFGR DAVIS TYPE FLOAT WELDED LOCKED

FLOAT SHOE AT ___ LENGTH 1.20 MFGR DAVIS TYPE FLOAT WELDED LOCKED

STAGE COLLAR AT — LENGTH — MFGR — TYPE — WELDED LOCKED

CEMENT SERVICE COMPANY B.J SERVICE TRUCK MODEL SKID UNIT HHP ___

	TYPE	ADDITIVES	CU FT	SACKS	SLURRY WT
1	OILWELL	NEAT	200		15.0
2					
3					
4					

MUD WT 10.2 VISC 39 W/L 5.0 PH 9.5 FC 2/32 GEL 5/38 TYPE FRESH

HOLE SIZES 8 3/4 TD DRILLER 5296 TD LOG 5221 TD CASING ___ CALIPER USED YES NO

WATER TESTED YES NO HOW MUD MAN. TEMP. WARM

TIMES
FINISH CIRCULATING 4:30 AM PM START CASING 9:45 AM PM CASING IN 8:40 AM PM CIRCULATE CASING 8:45 AM PM

RIG TO CEMENT 11.00 AM PM START MIXING 11:15 AM PM FINISH MIXING 12:10 AM PM START DISPLACING 12:20 AM PM PLUG DOWN 1:45 AM PM

PUMPING TIME 85 MIN CASING VOLUME 200 BBLS AVERAGE PUMPING RATE 2.5 BBL/MIN CASING LANDED 2:30 AM

HOW TYPE B NSCO SLIP & SEALS

PRESSURES
BREAK CIRCULATION 600 PSI CIRCULATING 400 PSI (AFTER 45) FINAL PUMPING 400 PSI BUMPED PLUG 1000 PSI FLOAT HELD YES NO

REMARKS (DESCRIBE HOW PIPE WAS WORKED AND ANY PROBLEMS DURING JOB) STATE DISPOSITION OF DRY CEMENT, WATER AND SLURRY SAMPLES HAD TIGHT SPOT @ 4750 HAD TO CIRCULATE LAST 2 JOINTS JTS TO BOTTOM TEXAS SIZE ON BOTTOM HANDLE TO WORK PIPE WHILE CIRCULATING, CEMENTING, PUMP DOWN PLUG PUMPED 10 BBLS WATER AHEAD OF CEMENT AND 10 BBLS ON TOP OF PLUG

SIGNATURE L Lemieux

NOTE DISTRIBUTION: WHITE COPY - FORWARD TO AREA WELL FILE / YELLOW COPY - FORWARD TO DIVISION WELL FILES / PINK COPY - FORWARD TO CONSERVATION BOARD

3-27 (REV. 4/67)

MOBIL OIL CANADA, LTD.
PIPE TALLY FORM

SHEET NO.

NB THIS IS NOT A "THREADS OFF" TALLY

WELL NAME MOBIL HUME RIVER L-09 DATE FEB 20/71 LOCATION LS ___, SEC ___, TWP ___, RGE ___, W ___ M

JOINTS 1	TO 71	SIZE 7"	GRADE J55	WT 23	THREADS 8 ROUND STAC		
JOINTS 72	TO 136	SIZE 7"	GRADE J55	WT 20	THREADS 8 ROUND STAC		
JOINTS 137	TO 146	SIZE 7"	GRADE J55	WT 23	THREADS 8 ROUND STAC		
JOINTS ___	TO ___	SIZE ___	GRADE ___	WT ___	THREADS ___		
JOINTS ___	TO ___	SIZE ___	GRADE ___	WT ___	THREADS ___		
JOINTS ___	TO ___	SIZE ___	GRADE ___	WT ___	THREADS ___		

	FT	10TH	FT	10TH	FT	10TH	FT	10TH	FT	10TH	FT	10TH	FT	10TH	TOTALS	
1	39	39	39	36	37	74	38	18	39	08	38	43	36	65	37	02		
2	39	18	39	59	37	41	41	00	38	83	42	61	39	10	34	18		
3	40	65	38	35	36	78	38	96	39	26	39	54	39	38	32	70		
4	36	18	39	23	43	92	39	54	39	60	39	44	39	59	33	45		
5	39	58	39	13	39	34	39	58	39	60	39	58	39	62	38	50		
6	39	61	38	74	39	03	39	59	38	03	38	60	39	46	32	91		
7	38	57	37	45	39	75	39	40	39	38	40	32	39	26	32	20		
8	39	59	39	59	39	23	39	20	39	57	38	95	39	58	32	41		
9	39	62	38	73	39	25	39	37	38	28	39	58	38	45	33	36		
10	38	61	39	43	38	20	39	08	39	00	38	85	38	65	33	84		
TOTAL	390	98	389	80	390	65												

1	33	93	34	33	33	78	33	52	32	18	32	20	39	87				
2	30	35	32	14	32	78	33	50	29	61	33	60	39	61				
3	33	03	31	05	33	20	33	58	29	05	33	89	41	70				
4	30	17	33	67	33	38	34	10	32	49	27	27	40	67				
5	34	26	33	49	33	81	33	67	34	09	32	60	34	31				
6	33	92	32	89	29	17	33	95	32	80	33	11	39	14				
7	33	16	33	86	26	94	32	56	33	09	39	18						
8	29	24	34	10	33	57	33	41	34	27	38	42						
9	33	96	33	55	33	60	33	18	33	63	39	52						
10	33	53	33	72	28	30	34	12	32	97	39	57						
TOTAL																		

1																		
2																		
3																		
4																		
5																		
6																		
7																		
8					TOTAL OF 146 JT = 5294.58 FEET													
9																		
10																		
TOTAL																		

NB ON CASING TALLY THE FIRST JOINT LENGTH INCLUDES FLOAT AND SHOE
FIRST 10 JOINTS TO BE RUN IN ORDER TALLIED

SIGNATURE L Lemieux

NOTE DISTRIBUTION: WHITE COPY - FORWARD TO AREA WELL FILE / YELLOW COPY - FORWARD TO DIVISION WELL FILES / PINK COPY - FORWARD TO CONSERVATION BOARD

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE FEB 20-71

No 67 DAILY TIME SHEET 3-25 (REV. 1/68)

FIELD or AREA: Hume River 2-09 WELL NAME & No Mobil Oil Hume River CONTRACTOR S & T. WESTERN LTD No 67. RIG No 1E

Well Mobil Oil Hume River 2-09

Approved _____ Date FEB 20-71

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
2 A.M.										
4 A.M.										
6 A.M.										
8 A.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND

START	STOP	HRS.	WORK RECORD 12 - 8 TOUR
1200	800	8	Running 7" Casing 1 Pup. of Duralite Used For Casing LL.
			Log Ran IES 5221 - 750 Sonic 5221' - 750' Ran. 176 Jts 30# & 23# 7" J55 ST&C Casing Cemented with 200 sacks Dowell neat at 5282' K.B.

BOP Tested

DRILLER: Ron Smith CONTRACTOR'S TIME CO's. TIME

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
10 A.M.										
NOON										
2 P.M.										
4 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND

START	STOP	HRS.	8 - 4 TOUR
8:00	9:00	1	Finished Running 7" Casing
9:00	12:00	3	Hooked up B.J. to cement unloaded 180 Sks. @ 14 Pts.
12:00	2:00	2	Cemented w/ B.J. 200 SKS
2:00	4:00	2	Clean Pits & Picked up Casing & W.O.C
			Circulate Casing unable to get below 5282' K.B. LL

BOP Tested

DRILLER: R. Thiele CONTRACTOR'S TIME CO's. TIME

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
6 P.M.										
8 P.M.										
10 P.M.										
12 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

START	STOP	HRS.	4 - 12 TOUR
1100			Raise BOP's & Cut off 7" Casing Set Seal. Bevel Top of Casing 12:00 8 & Head Up. W.O.C

BOP Tested

DRILLER: Ron Smith CONTRACTOR'S TIME CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
KELLY IN		
TOTAL		
RAT HOLE TOP		

BIT RECORD			
BIT No.			
SIZE			
MAKE			
TYPE			
SERIAL			
JET SIZE			
FROM			
TO			
FOOTAGE			
HRS.			
COND.			

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	Ron Smith	13
DERRICK	C. Campbell	13
MOTORMAN	A. Wilson	13
FLOORMAN	L. Johnson	13
FLOORMAN	M. Schaupmeyer	13
FIREMAN		

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
KELLY IN		
TOTAL		
RAT HOLE TOP		

BIT RECORD			
BIT No.			
SIZE			
MAKE			
TYPE			
SERIAL			
JET SIZE			
FROM			
TO			
FOOTAGE			
HRS.			
COND.			

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	R. Hiele	12
DERRICK	D Ziemmer	12
MOTORMAN	W. Stemp	12
FLOORMAN	A Williams	12
FLOORMAN	T Hansen	12
FIREMAN	B Burbank	13

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
KELLY IN		
TOTAL		
RAT HOLE TOP		

BIT RECORD			
BIT No.			
SIZE			
MAKE			
TYPE			
SERIAL			
JET SIZE			
FROM			
TO			
FOOTAGE			
HRS.			
COND.			

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: _____ APPROVED _____

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE FEB 19-71 | No 66 DAILY TIME SHEET 3-35 (REV. 1/68)

FIELD or AREA: Hume River | WELL NAME & No. Mobil Oil 2-09 | CONTRACTOR S&T. Western LTD. | RIG No. 15 | N66

Well Mobil Oil Hume River 2-09 | Approved _____ | Date FEB. 19.

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
2 A.M.										
4 A.M.	Logging									
6 A.M.										
8 A.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
10 A.M.										
NOON										
2 P.M.										
4 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
6 P.M.										
8 P.M.										
10 P.M.										
12 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

WORK RECORD

12 - 8 TOUR

START	STOP	HRS.	
12:00	2:00	2	Tripping out To Logg. & Strap. Tally
2:00	8:00	6	Rig up & Logging w/ Schlumberger

Pipe Tally 5296.00
Strap out 5296.64
No Correction

BOP Tested | DRILLER: Ron Smith | CONTRACTOR'S TIME | CO's. TIME

8 - 4 TOUR

START	STOP	HRS.	
8:00	10:00	2	Log w/ Schlumberger
10:00	12:00	2	Layed Monel Collar & Run into Cond Hole
12:00	3:00	3	Clean to Bottom From 5146 to 5296
3:00	4:00	1	Circ hole to Run Casing

BOP Tested | DRILLER: R. Hanley | CONTRACTOR'S TIME | CO's. TIME

4 - 12 TOUR

START	STOP	HRS.	
4:00	4:30	½	Circ hole to Run Casing
4:30	8:30	4	Pump out 4 singles strap out Run casing Lay down Jars & Kelly
9:30	10:00	1½	Rig To Run 7" Casing
10:00	12:00	2	Running 7" Casing

BOP Tested | DRILLER: R. Hall | CONTRACTOR'S TIME | CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	5296				
REAMED					
CORED					

TALLY

No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
KELLY IN		
TOTAL		
RAT HOLE TOP		

BIT RECORD

BIT No.	
SIZE	
MAKE	
TYPE	
SERIAL	
JET SIZE	
FROM	
TO	
FOOTAGE	
HRS.	
COND.	

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY

No.		LENGTH
53	STANDS	4974.55
	SINGLE	
9	D.C.'s	263.47
1	B.I.S.	3.20
1	Jars	6.90
1	Wiper	6.90
KELLY IN		40.52
TOTAL		5296
RAT HOLE TOP		

BIT RECORD

BIT No.	18
SIZE	8 3/4
MAKE	Smith
TYPE	SL4H
SERIAL	FW0065
JET SIZE	15
FROM	5286
TO	5296
FOOTAGE	10
HRS.	4 3/4
COND.	Run

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY

No.		LENGTH
53	STANDS	4974.55
	SINGLE	
9	D.C.'s	263.47
1	B.I.S.	3.20
1	Jars	6.90
1	wiper	6.90
KELLY IN		40.52
TOTAL		5296
RAT HOLE TOP		

BIT RECORD

BIT No.	18
SIZE	8 3/4
MAKE	Smith
TYPE	SL4H
SERIAL	FW0065
JET SIZE	15
FROM	5286
TO	
FOOTAGE	
HRS.	
COND.	

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	Ron Smith	12
DERRICK	C. Campbell	12
MOTORMAN	K. Wilson	12
FLOORMAN	L. Johnson	12
FLOORMAN	M. Schaapmeyer	12
FIREMAN		

REMARKS AND INJURIES:

Tour 2	8 A.M. to 4 P.M.	Hrs
DRILLER	P. Hanley	12
DERRICK	D Ziemmer	12
MOTORMAN	W Stemp	12
FLOORMAN	A Williams	12
FLOORMAN	T Hamson	12
FIREMAN		

REMARKS AND INJURIES:

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN	B. Buntain	8 ½ TH
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: W. Galey APPROVED: L Pisanielo

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE FEB 18-71

No. 65 DAILY TIME SHEET 3-35 (REV. 1/68)

FIELD or AREA: Hume River N.W.T. WELL NAME & No. Mobil Oil Hume River 2-09 CONTRACTOR SAT. WESTERN LTD. RIG No. No. 65

Well Mobil Oil Hume River 2-09

Approved _____ Date FEB 18-

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
2 A.M.	10.2	240								
4 A.M.	10.2	260								
6 A.M.	10.2									
8 A.M.	10.2	295								

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND
1000#	Super Col
10#	Dowicide B.

START	STOP	HRS.	WORK RECORD — 12-8 TOUR
12:00	12:15	1/4	Ser. Rig ✓ BOPs ✓ kelly Cock.
12:15	2:45	2 1/2	CLEANING TO BOTTOM FROM 5201 TO 5296
2:45	8:00	5 1/4	Circ ✓ Work pipe Cond. mud. (Hole Tight.)
			30' FILL ON BOTTOM

BOP Tested ✓ DRILLER: Ron Snell CONTRACTOR'S TIME CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY

No.		LENGTH
53	STANDS	4974.55
	SINGLE	
9	D.C.'s	263.93
1	MONEL	15.49
1	JARS	6.90
1	WIPER	6.90
	KELLY IN	28.24
	TOTAL	5296.00
	RAT HOLE TOP	

BIT RECORD

BIT No.	18
SIZE	8 3/4
MAKE	Smith
TYPE	SL 4H
SERIAL	FW005
JET SIZE	3-18
FROM	5286
TO	5296
FOOTAGE	10
HRS.	4 1/4
COND.	

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	Ron Snell	12
DERRICK	C. Campbell	12
MOTORMAN	K. Wilson	12
FLOORMAN	L. Johnson	12
FLOORMAN	M. Schaupmeyer	12
FIREMAN		

REMARKS AND INJURIES:

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
10 A.M.	10.2	320								
NOON	"	320								
2 P.M.	"	310								
4 P.M.	"	310								

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND
750	Nut shell

BOP Tested ✓ DRILLER: Ron Snell CONTRACTOR'S TIME CO's. TIME

START	STOP	HRS.	8-4 TOUR
8:00	8:15	1/4	Rig Serv. ✓ BOPs
8:15	9:30	1 1/4	Circ. work pipe
9:30	12:00	2 1/2	Pump out 9 singles ✓ Work ✓ tight hole
12:00	4:00	4	Cleaning to Bottom From 5174 to 5296

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY

No.		LENGTH
53	STANDS	4974.55
	SINGLE	
9	D.C.'s	263.93
1	Monel	15.49
1	Jars	6.90
1	wiper	6.90
	KELLY IN	28.24
	TOTAL	5296.00
	RAT HOLE TOP	

BIT RECORD

BIT No.	15
SIZE	8 3/4
MAKE	Smith
TYPE	SL 4H
SERIAL	FW005
JET SIZE	3/18
FROM	5286
TO	5296
FOOTAGE	10
HRS.	4 1/4
COND.	Rev

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	R. Henley	12
DERRICK	D. Ziemmer	12
MOTORMAN	W. Slemp	12
FLOORMAN	A. Williams	12
FLOORMAN	T. Hunson	12
FIREMAN		

REMARKS AND INJURIES:

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
6 P.M.	10.2	315								
8 P.M.	10.2	328								
10 P.M.	Tripping									
12 P.M.										

LINER SIZE: 5 1/2 x 14 STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND
750#	Nut. Shells		

BOP Tested ✓ DRILLER: R. Henley CONTRACTOR'S TIME CO's. TIME

START	STOP	HRS.	4-12 TOUR
4:00	4:15	1/4	Rig Serv. ✓ BOPs
4:15	5:15	1	Cleaning to Bottom From 5266 to 5296
5:15	6:45	1 1/2	Circ ✓ Work pipe Cond. Mud.
6:45	7:45	1	Dummy trip 6 stands
7:45	9:30	1 3/4	Circ
9:30	12:00	2 1/2	Pumped out 5 singles ✓ Work Tight hole
12:00	1:00	1	Tripping out Strap Tally
			5120 - 5296

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY

No.		LENGTH
53	STANDS	4974.55
	SINGLE	
18	D.C.'s	263.93
1	Monel	15.49
1	wiper	6.90
1	Jars	6.90
	KELLY IN	28.24
	TOTAL	5296.00
	RAT HOLE TOP	

BIT RECORD

BIT No.	16
SIZE	8 3/4
MAKE	Smith
TYPE	SL 4H
SERIAL	FW005
JET SIZE	3/18
FROM	5246
TO	5296
FOOTAGE	10
HRS.	4 3/4
COND.	Rev

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

BOP Tested ✓ DRILLER: Rollie CONTRACTOR'S TIME CO's. TIME

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER M. B. Valencia APPROVED L. L. Saunders

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE FEB. 17- 71

No. 64 DAILY TIME SHEET 3-35 (REV. 11/68)

FIELD or AREA: Hunt River WELL NAME & No. Mobil Oil Hume River 2-09 CONTRACTOR S&T. WESTERN LTD RIG No. 2E No. 64

Well Mobil Oil Hume River 2-09

Approved _____ Date FEB 17

TIME	MUD RECORD WT.	VISC.	W.L.	F.C	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
2 A.M.										
4 A.M.										
6 A.M.										
8 A.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND

START	STOP	HRS.	WORK RECORD 12-8 TOUR
1200	1630	6½	WAIT ON ROTARY CLUTCH SEALS
1630	900	1½	REPAIR ROTARY CLUTCH & INSTALL NEW SEALS

BOP Tested ✓ DRILLER: Ron Snell CONTRACTOR'S TIME CO's. TIME

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
10 A.M.										
NOON										
2 P.M.										
4 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND

START	STOP	HRS.	8-4 TOUR
800	1200	4	Repair Rotary Clutch & Putting it Back in Place

BOP Tested DRILLER: CONTRACTOR'S TIME CO's. TIME

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
6 P.M.										
8 P.M.										
10 P.M.										
12 P.M.	10.2	245								

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

START	STOP	HRS.	4-12 TOUR
400	600	2	Repair & INSTALL Rotary Clutch
600	700	1	Pullout & Stand Back 7 Drill Collars & Move Jars down & Pick up Key Seat Wiper
700	1030	3½	Run in Hole To Clean out
1030	1800	1½	Cleaning To Bottom From 5107 To 5201

BOP Tested DRILLER: CONTRACTOR'S TIME CO's. TIME

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: _____ APPROVED: _____

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	5296				
REAMED					
CORED					

TALLY

No.		LENGTH
50	STANDS	4670.83
1	SINGLE	31.22
18	D.C.'s	530.93
1	reamer	15.48
1	Jars	6.90
1	X Sub	1.54
KELLY IN		19.10
TOTAL		5296.10
RAT HOLE TOP		

BIT RECORD

BIT No.	18
SIZE	8 3/4
MAKE	Smith
TYPE	SL4H
SERIAL	FW005
JET SIZE	3-18
FROM	5286
TO	5296
FOOTAGE	10
HRS.	4 3/4
COND.	Run

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	Ron Snell	12
DERRICK	C. Campbell	12
MOTORMAN	K. Wilson	12
FLOORMAN	L. Johnson	12
FLOORMAN	M. Schaapmeyer	12
FIREMAN		

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY

No.		LENGTH
50	STANDS	46.9083
1	SINGLE	31.27
18	D.C.'s	530.73
1	Mand	15.48
1	Jars	6.90
1	X Sub	1.54
KELLY IN		19.10
TOTAL		5296.00
RAT HOLE TOP		

BIT RECORD

BIT No.	1
SIZE	8 3/4
MAKE	Smith
TYPE	SL4H
SERIAL	FW005
JET SIZE	3/18
FROM	5286
TO	5296
FOOTAGE	10
HRS.	4 3/4
COND.	Run

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	R Hanley	12
DERRICK	D Ziemmer	12
MOTORMAN	W Sleno	12
FLOORMAN	A Willioms	12
FLOORMAN	T Hansen	12
FIREMAN		

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY

No.		LENGTH
52	STANDS	1187.15
	SINGLE	
9	D.C.'s	263.97
1	reamer	15.48
1	WASH PIPE	6.96
1	JAR	6.90
KELLY IN		2834
TOTAL		5201
RAT HOLE TOP		

BIT RECORD

BIT No.	8
SIZE	8 3/4
MAKE	Smith
TYPE	SL 4H
SERIAL	FW005
JET SIZE	3-18
FROM	5286
TO	5296
FOOTAGE	10
HRS.	4 3/4
COND.	

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

Mobil Oil Canada, Ltd.
DAILY DRILLING REPORT

DATE FEB 16-71 — No 63 — DAILY TIME SHEET 3-35 (REV. 1/68)

FIELD or AREA: Hume River — WELL NAME & No. Mobil Oil 2-09 — CONTRACTOR S&T Western LTD. — RIG No. 12 — No 63

Well Mobil Oil Can. — Approved _____ — Date FEB 16-71

TIME	MUD RECORD WT.	VISC.	W.L.	F.C	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
2 A.M.										
4 A.M.										
6 A.M.										
8 A.M.										

LINER SIZE: 5½ x 14" STROKE

MUD & CHEMICALS

LBS. Added	KIND

START	STOP	HRS.	WORK RECORD 12 - 8 TOUR
1700	1730	1½	Pull out into Casing + Circ
1730	800	6½	Wait on Rotary Clutch Parts + Remove old Clutch.

BOP Tested

DRILLER: Ron Smith CONTRACTOR'S TIME CO's. TIME

START	STOP	HRS.	8 - 4 TOUR
1200	1600		Wait on Rotary Clutch. Pull Out Steam out Casing.

BOP Tested

DRILLER: P. Hurley CONTRACTOR'S TIME CO's. TIME

START	STOP	HRS.	4 - 12 TOUR
400	1700	2	Wait on Rotary Clutch Parts

BOP Tested

DRILLER: _____ CONTRACTOR'S TIME CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	5296				8¾
REAMED					
CORED					

TALLY

No.		LENGTH
50	STANDS	1596.93
1	SINGLE	31.22
18	D.C.'s	530.93
1 swivel		15.18
1 Jars		6.90
1 Sub		1.54
KELLY IN		17.10
TOTAL		5296.00
RAT HOLE TOP		

BIT RECORD

BIT No.	18
SIZE	8¾
MAKE	Smith
TYPE	FL4H
SERIAL	FL1005
JET SIZE	3-19
FROM	5296
TO	5296
FOOTAGE	10'
HRS.	4½
COND.	Run

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	Ron Smith	12
DERRICK	C. Campbell	12
MOTORMAN	K. Wilson	12
FLOORMAN	L. Johnson	12
FLOORMAN	M. Schaupmeyer	12
FIREMAN		

REMARKS AND INJURIES:

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
10 A.M.										
NOON										
2 P.M.										
4 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY

No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
KELLY IN		
TOTAL		
RAT HOLE TOP		

BIT RECORD

BIT No.	
SIZE	
MAKE	
TYPE	
SERIAL	
JET SIZE	
FROM	
TO	
FOOTAGE	
HRS.	
COND.	

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	P. Hurley	12
DERRICK	D. Zimmer	12
MOTORMAN	W. Slemko	12
FLOORMAN	A. Williams	12
FLOORMAN	T. Hanson	12
FIREMAN		

REMARKS AND INJURIES:

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
6 P.M.										
8 P.M.										
10 P.M.										
12 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY

No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
KELLY IN		
TOTAL		
RAT HOLE TOP		

BIT RECORD

BIT No.	
SIZE	
MAKE	
TYPE	
SERIAL	
JET SIZE	
FROM	
TO	
FOOTAGE	
HRS.	
COND.	

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

Mike Schaupmeyer injured 3rd finger on Right Hand @ 1:30 P.M.

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: B. Gilmore APPROVED: _____

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE FEB 15

No. 62 DAILY TIME SHEET 3-35 (REV. 1/68)

Well Mobil Oil Hume River 2-09

No. 62

FIELD or AREA: Hume River WELL NAME & No. Mobil Oil Hume River 2-09 CONTRACTOR SAT. WESTERN LTD RIG No. 1E

Approved _____ Date FEB 15-

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
2 A.M.	Tripping									
4 A.M.	10.3	275								
6 A.M.	10.3	345								
8 A.M.	10.3	345								

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND
300	Super Col
100	Uni Cal
100	Protecto Magic
100	Caustic

START	STOP	HRS.	WORK RECORD 12 - 8 TOUR
1200	1215	1/4	Serv. Rig & BOPs
1215	230	2 1/4	Wiper Trip Pumped out 5 stands & Pull one Stand.
230	400	1 1/2	Clean Back To Bottom
400	800	4	Circ & Work pipe on Bottom To Cond. Hole

BOP Tested ✓ DRILLER: Ron Smith CONTRACTOR'S TIME CO's. TIME

TALLY No.		LENGTH
50	STANDS	1690.83
	SINGLE	
12	D.C.'s	530.93
1	Jars	6.90
1	Mwd	15.48
1	x Sub	1.54
KELLY IN		41.00
TOTAL		5286.00
RAT HOLE TOP		

BIT RECORD	
BIT No.	18
SIZE	8 3/4
MAKE	SMITH
TYPE	52 4H
SERIAL	FW065
JET SIZE	3/18
FROM	
TO	
FOOTAGE	
HRS.	
COND.	

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	Ron Smith	12
DERRICK	C. Campbell	12
MOTORMAN	K. Wilson	12
FLOORMAN	L. Johnson	12
FLOORMAN	M. Schoepmeyer	12
FIREMAN		

REMARKS AND INJURIES:

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
10 A.M.	10.2	265	5	2/32	20	60	69	1500		
NOON	10.2	260								
2 P.M.	10.2	180								
4 P.M.	10.2	200								

LINER SIZE: 5 1/2 STROKE 14"

MUD & CHEMICALS

LBS. Added	KIND
300	Uni-Cal
200	Caustic
100	Protecto Magic
1000	Super Col

START	STOP	HRS.	WORK RECORD 8 - 4 TOUR
400	815	4 1/4	Rig Serv & BOPs
815	915	1	Circ & Work pipe on Bottom to Cond. hole
915	200	4 3/4	DRLG 8 3/4 Hole.
200	400	2	Circ. & Sample

BOP Tested ✓ DRILLER: R. H. CONTRACTOR'S TIME CO's. TIME

TALLY No.		LENGTH
50	STANDS	1690.83
1	SINGLE	31.22
12	D.C.'s	530.93
1	Jars	6.90
1	Mwd	15.48
1	x Sub	1.54
KELLY IN		10.00
TOTAL		5286.00
RAT HOLE TOP		

BIT RECORD	
BIT No.	18
SIZE	8 3/4
MAKE	Smith
TYPE	52 4H
SERIAL	FW065
JET SIZE	3/18
FROM	5286
TO	5296
FOOTAGE	10
HRS.	4 3/4
COND.	RUN

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	5286	5296	10	4 3/4	7 7/8
REAMED					
CORED					

Tour 2	8 A.M. to 4 P.M.	Hrs
DRILLER	R Henley	12
DERRICK	D Ziemmer	12
MOTORMAN	W Slemp	12
FLOORMAN	A. Williams	12
FLOORMAN	T Hanson	12
FIREMAN		

REMARKS AND INJURIES:

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
6 P.M.	10.3	275			20	60	69	1500		
8 P.M.	"	"								
10 P.M.										
12 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

START	STOP	HRS.	WORK RECORD 4 - 12 TOUR
400	415	1/4	Rig Serv & BOPs
415	815	4	Circ & Work pipe on Bottom. Cond. hole
815	915	1	Pump out 5 singles & Work Pipe on Wiper Trip
915	1040	3/4	Remove Rotary Chain Rotary Clutch Seized up.
1040	1200	2	Pull out To Repair Rotary Clutch

Hole in good shape above 5296'.

BOP Tested DRILLER: Keith CONTRACTOR'S TIME CO's. TIME

TALLY No.		LENGTH
50	STANDS	1691.83
1	SINGLE	31.22
9	D.C.'s	530.93
1	mwd	15.48
1	Jars	6.90
1	x Sub	1.54
KELLY IN		19.10
TOTAL		5296.00
RAT HOLE TOP		

BIT RECORD	
BIT No.	18
SIZE	8 3/4
MAKE	Smith
TYPE	52 4H
SERIAL	FW065
JET SIZE	3/4
FROM	5286
TO	5296
FOOTAGE	10
HRS.	4 3/4
COND.	RUN

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	5296				
REAMED					
CORED					

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: B Valenza APPROVED: L Levinson

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE Feb. 14

No 61 DAILY TIME SHEET 3-35 (REV. 1/68)

FIELD or AREA: Hume River N.W.T. WELL NAME & No. Mobil Oil Hume River 1-09 CONTRACTOR S.T. DRLG. WESTERN LTD No. 61 RIG No. 1E

Well Mobil Oil Can Hume River 1-09

Approved _____ Date FEB 14

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
2 A.M.	10.2	33	5		14/20	70/65	69	1400		
4 A.M.	10.2	33	5.2							
6 A.M.	10.2	36	9	9.5						
8 A.M.										
10 A.M.	10.2	70	5							
NOON										
2 P.M.										
4 P.M.										
6 P.M.										
8 P.M.	10.2	70								
10 P.M.	10.2	80								
12 P.M.	10.3	76								

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND
50#	CAUSTIC
50#	KOL SEAL

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND
1800#	SUPER COL		
2 #	DEWOID E		

WORK RECORD — 12-8 TOUR

START	STOP	HRS.	
12:00	12:15	¼	Ser. Rig & B.O.Ps
12:15	1:00	3¾	CLEANING To Bottom FROM 5170'
4:30	8:00	4	Circ & Work pipe To Clean hole @ 5286'
			Lost App. 10 BBLS Mud To FORMATION

BOP Tested ✓ DRILLER: Ron Smith CONTRACTOR'S TIME CO's. TIME

START	STOP	HRS.	
8:00	10:30	2½	Circ & Work pipe to Clean hole @ 5286
10:30	1:15	2¾	Trip For Bit
1:15	1:30	¼	Rig Serv. & BOPs.
1:30	4:00	2½	Change Cat Head on Draworks.

BOP Tested ✓ DRILLER: R. Hanley CONTRACTOR'S TIME CO's. TIME

4-12 TOUR

START	STOP	HRS.	
4:00	4:15	¼	Rig Serv. & BOPs
4:15	5:15	1	Slip & Cut Line
5:15	7:30	2¼	Run in W/ B.I. #18
7:30	8:30	1	CLEAN 30' To Bottom @ 5286
8:30	12:00	3½	Circ & Cond. Hole

BOP Tested ✓ DRILLER: Foilie & Ryan CONTRACTOR'S TIME CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	5286				9¾
REAMED					
CORED					

TALLY

No.		LENGTH
50	STANDS	1690.83
	SINGLE	
18	D.C.'s	530.97
1 mwd		15.48
1 Turbo		6.70
1 x Sub		1.54
	KELLY IN	41.00
	TOTAL	5286.
	RAT HOLE TOP	

BIT RECORD

BIT No.	17
SIZE	9¾
MAKE	H-W
TYPE	XDV
SERIAL	29259
JET SIZE	½ ½ ½ ½ T
FROM	4940
TO	5286
FOOTAGE	346
HRS.	6 3½
COND.	3-6-1

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	5286				8¾
REAMED					
CORED					

TALLY

No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
	KELLY IN	
	TOTAL	
	RAT HOLE TOP	

BIT RECORD

BIT No.	18
SIZE	8¾
MAKE	Sm. Ib
TYPE	SL44
SERIAL	FWC05.
JET SIZE	3/18
FROM	
TO	
FOOTAGE	
HRS.	
COND.	

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	5286'				
REAMED					
CORED					

TALLY

No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
	KELLY IN	
	TOTAL	
	RAT HOLE TOP	

BIT RECORD

BIT No.	18
SIZE	8¾
MAKE	SMITH
TYPE	SL44
SERIAL	FWC05
JET SIZE	3/18
FROM	5256
TO	5286
FOOTAGE	30 CLEAN To Bottom
HRS.	1
COND.	

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	Ron Smith	12
DERRICK	C. Campbell	12
MOTORMAN	K. Wilson	12
FLOORMAN	L Johnson	12
FLOORMAN	M. Schaapmeyer	12
FIREMAN		

REMARKS AND INJURIES:

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	P. Hanley	12
DERRICK	D Zienow	12
MOTORMAN	W Slemp	12
FLOORMAN	A Williams	12
FLOORMAN	T Hanson	12
FIREMAN		

REMARKS AND INJURIES:

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: L Balenya APPROVED: L Lemieux

Mobil Oil Canada, Ltd.
DAILY DRILLING REPORT

DATE FEB 13-71 — No 60 DAILY TIME SHEET 3-35 (REV. 1/68)

FIELD or AREA: Hume River N.W.T WELL NAME & No. Mobil Hume River 2-09 CONTRACTOR SAT DRLG. WESTERN LTD RIG No. 1E

No 60

Well Mobil Oil Can. LTD. Hume River 2-09

Approved _____ Date FEB 13-71

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEVIATION DEG.
2 A.M.	10.2	42			4/10	49/63	69	1400		
4 A.M.	10.2	42								
6 A.M.	10.2	42								
8 A.M.	10.2	42								

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND
[illegible]	Super Col

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEVIATION DEG.
10 A.M.	10.2	42								
NOON	10.2	40								
2 P.M.	10.2	42								
4 P.M.	10.2	40								

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND
[illegible]	Super Col

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEVIATION DEG.
6 P.M.	10.2	39			4/10	5	64	[illegible]		
8 P.M.	[illegible]	40								
10 P.M.	[illegible]	42								
12 P.M.	10.2	300								

LINER SIZE: [illegible] STROKE [illegible]

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND
1450	Super Col II		

WORK RECORD — 12 - 8 TOUR

START	STOP	HRS.	
12:00	12:15	1/4	See Rig J B.O.R.
12:15	7:30	7 1/4	Cleaning To Bottom From 5129' To 5246'
7:30	8:00	1/2	Cir Cond. Hole

BOP Tested ✓ DRILLER: Ron Smith CONTRACTOR'S TIME CO's. TIME

8 - 4 TOUR

START	STOP	HRS.	
[illegible]			[illegible]
8:00	8:15	1/4	Rig Serv + B.O.P.
8:15	9:30	1 1/4	Cir Cond Hole.
9:30	11:30	2 1/2	Pull out [illegible] Pull Totals Dump Pup.
11:30	12:30	1/4	Pumps off Bottom @ 1214
12:30	1:45	1 1/4	Tripped Back In 5121
1:45	4:00	2 1/4	Cleaning to Bottom From 5121 to 5246'

BOP Tested ✓ DRILLER: R. Hendley CONTRACTOR'S TIME CO's. TIME

4 - 12 TOUR

START	STOP	HRS.	
4:00	5:00	1	Cleaning To Bottom From 5121
5:00	5:15	1/4	Rig Serv + BOPs.
5:15	12:00	6 3/4	Cleaning to Bottom From 5171 to Total 5246'

BOP Tested ✓ DRILLER: R. Hendley CONTRACTOR'S TIME CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	5246				8 3/4
REAMED					
CORED					

TALLY

No.		LENGTH
50	STANDS	469083
	SINGLE	
18	D.C.'s	530.93
1	mwd	15.49
1	Jars	6.90
1	X Sub	1.54
	KELLY IN	41.00
	TOTAL	5286.00
	RAT HOLE TOP	

BIT RECORD

BIT No.	17
SIZE	8 3/4
MAKE	H-W
TYPE	XDV
SERIAL	29259
JET SIZE	1/14 1/14 1/14
FROM	4140
TO	5286
FOOTAGE	346
HRS.	41 3/4
COND.	

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	Ron Smith	12
DERRICK	C Campbell	12
MOTORMAN	K Wilson	12
FLOORMAN	Loyd Johnson	12
FLOORMAN	Max Schampeyer	12
FIREMAN		

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	5246				8 3/4
REAMED					
CORED					

TALLY

No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
	KELLY IN	
	TOTAL	
	RAT HOLE TOP	

BIT RECORD

BIT No.	17
SIZE	8 3/4
MAKE	HW
TYPE	XDV
SERIAL	29259
JET SIZE	1/14 15
FROM	4140
TO	
FOOTAGE	
HRS.	52.
COND.	

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	R Hendley	12
DERRICK	J Zinkan	12
MOTORMAN	W Shean	12
FLOORMAN	A Williams	12
FLOORMAN	T Hanson	6 BT
FIREMAN		

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	[illegible]				
REAMED					
CORED					

TALLY

No.		LENGTH
99	STANDS	459602
	SINGLE	
18	D.C.'s	530.93
1	mwd	15.49
1	Jars	6.90
1	Sub.	1.54
	KELLY IN	20.00
	TOTAL	5170.00
	RAT HOLE TOP	

BIT RECORD

BIT No.	17
SIZE	8 3/4
MAKE	HW
TYPE	XDV
SERIAL	29259
JET SIZE	1/14 15
FROM	4140
TO	
FOOTAGE	
HRS.	59 3/4
COND.	

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: [illegible] APPROVED: _____

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE Feb 12/71 — No. 59 DAILY TIME SHEET 3-35 (REV. 11/68)

FIELD or AREA: Norman Wells N.W.T WELL NAME & No. Imperial Mobil Norman Wells L-09 CONTRACTOR S.T. Sibbing (Western) Co Ltd RIG No. 1E

No. 59 — Well Mobil Norman Wells L-09 — Approved _____ Date Feb 18/71

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
2 A.M.	10.1	93								
4 A.M.	10.1	91								
6 A.M.	10.1	91	16	3/32						
8 A.M.	10.1	90								

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
10 A.M.	10.1	90			11/10	97/60	69	1900		
NOON	10.1	90	16	3/32						
2 P.M.	10.1	90								
4 P.M.	10.1	90								

LINER SIZE: 5½ STROKE 14"

MUD & CHEMICALS

LBS. Added	KIND

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
6 P.M.					11/10	44/60	69	1900		
8 P.M.										
10 P.M.	10.2	170								
12 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND
1000	Aqua Col		

WORK RECORD — 12 - 8 TOUR

START	STOP	HRS.	
12:00	12:15	¼	Rig Service
12:15	4:00	7¾	Drilling 6" Hole from 4940 Geodata Directional Correction Hole Bridging Up @ 4946

BOP Tested

DRILLER: R. Perkins CONTRACTOR'S TIME CO's. TIME

8 - 4 TOUR

START	STOP	HRS.	
8:00	8:15	¼	Rig Service & B.O.P.
8:15	12:00	3¾	Trip in to Bottom From 4946 To 5003 Hole Sloughing

BOP Tested ✓

DRILLER: Ron Saville CONTRACTOR'S TIME CO's. TIME

4 - 12 TOUR

START	STOP	HRS.	
4:00	4:15	¼	Rig Service & B.O.P.
4:15	12:00	7¾	CLEANING To Bottom From 5003

BOP Tested

DRILLER: Ron Saville CONTRACTOR'S TIME CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	5246				
REAMED					
CORED					

TALLY No.		LENGTH
46	STANDS	867.74
2	SINGLE	63.36
19	D.C.'s	530.93
	Sub	6.90
	Ground	15.48
KELLY IN		41.60
TOTAL		4971.00
RAT HOLE TOP		

BIT RECORD	
BIT No.	17
SIZE	9⅞
MAKE	HW
TYPE	XDV
SERIAL	29259
JET SIZE	3-13 1-14
FROM	4940
TO	4971
FOOTAGE	31
HRS.	30
COND.	Run

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	R. Perkins	8
DERRICK	J. Smythe	8
MOTORMAN	D. Wilson	8
FLOORMAN	B. Hunt	8
FLOORMAN	B. Hunt	8
FIREMAN		

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
KELLY IN		
TOTAL		
RAT HOLE TOP		

BIT RECORD	
BIT No.	17
SIZE	8¾
MAKE	HW
TYPE	XDV
SERIAL	29259
JET SIZE	3-13 1-14
FROM	4940
TO	5003
FOOTAGE	63
HRS.	3¾
COND.	Run

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	Ron Saville	12
DERRICK	C. Campbell	12
MOTORMAN	K. Wilson	12
FLOORMAN	L. Johnson	12
FLOORMAN	B. Buntain	12
~~FIREMAN~~	Archie Williams	8
	M. Schlamp	4

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	5246				
REAMED		5123	126	2¾	4¾
CORED					

TALLY No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
KELLY IN		
TOTAL		
RAT HOLE TOP		

BIT RECORD	
BIT No.	17
SIZE	8¾
MAKE	HW
TYPE	XDV
SERIAL	29259
JET SIZE	3-13 1-14
FROM	4946
TO	5123
FOOTAGE	184
HRS.	4¾
COND.	Run

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER	R. Henley	4 8
DERRICK	D. Zimmer	4 8
MOTORMAN	W. Slemp	4 8
FLOORMAN	A. Williams	4 8
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: _____ APPROVED: R. Perkins

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE Feb 11/71

No. 58 DAILY TIME SHEET 3-35 (REV. 11/68)

FIELD or AREA: Snake River N.W.T. WELL NAME & No. Imperial Home Snake L-09 CONTRACTOR S+T Drilling (Western) Co. Ltd. RIG No. 12

No. 58

Well Imperial Home Snake L-09

Approved _____ Date Feb 11/71

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEVIATION DEG.
2 A.M.	100	95								
4 A.M.	100	198								
6 A.M.	100	102	5.8	3/32						
8 A.M.	100	168								

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND
500	Suspencol
50	Caustic
100	Viscosol
5	Dewicide

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEVIATION DEG.
10 A.M.	100	225								
NOON	101	93								
2 P.M.	101	97								
4 P.M.	101	97								

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND
50#	Caustic

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEVIATION DEG.
6 P.M.	101	97	5.6	3/32						
8 P.M.	101	95								
10 P.M.	101	93								
12 P.M.	101	9.2								

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND
150#	Protect Jo		

WORK RECORD — 12 - 8 TOUR

START	STOP	HRS.	
12m	1:00	1	Finish 2m w/bit #17
1:00	1:15	1/4	Lic Survey / Layout
1:15	8:00	6 3/4	Cleaning to Location from 4990 ft w/bit trip, Hole-Conditioning

BOP Tested ✓ DRILLER: M. Clemens CONTRACTOR'S TIME CO's. TIME

8 - 4 TOUR

START	STOP	HRS.	
8:00	8:15	1/4	Ser. Rig & BOPs
8:15	4:00	7 3/4	CLEAN OUT @ 4990

BOP Tested ✓ DRILLER: Ron Smith CONTRACTOR'S TIME CO's. TIME

4 - 12 TOUR

START	STOP	HRS.	
4:00	4:15	1/4	Ser R.g & B.O.P.
4:15	12:00	7 3/4	CLEANING FROM 4990

BOP Tested _____ DRILLER: _____ CONTRACTOR'S TIME CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY

No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
	KELLY IN	
	TOTAL	
	RAT HOLE TOP	

BIT RECORD

BIT No.	17
SIZE	8 3/4
MAKE	HW
TYPE	XDV
SERIAL	25259
JET SIZE	1/4 1/4 1/4
FROM	
TO	
FOOTAGE	
HRS.	
COND.	

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	M. Clemens	12
DERRICK	J. Smith	12
MOTORMAN	J. Watson	12
FLOORMAN	D. Hibbert	12
FLOORMAN	T. Kunkle	12
FIREMAN		

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY

No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
	KELLY IN	
	TOTAL	
	RAT HOLE TOP	

BIT RECORD

BIT No.	#17
SIZE	
MAKE	
TYPE	
SERIAL	
JET SIZE	
FROM	
TO	
FOOTAGE	
HRS.	
COND.	

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	Ron Smith	12
DERRICK	C. Campbell	12
MOTORMAN	E. C. Wilson	12
FLOORMAN	L. Johnson	12
FLOORMAN	A. Jenson	4
~~FIREMAN~~	B. Guetnik.	12

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY

No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
	KELLY IN	
	TOTAL	
	RAT HOLE TOP	

BIT RECORD

BIT No.	
SIZE	
MAKE	
TYPE	
SERIAL	
JET SIZE	
FROM	
TO	
FOOTAGE	
HRS.	
COND.	

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN	A. Williams	8+8T
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: L. Valenzuela APPROVED: Ron Polakoski

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE Feb 16/71

No. 57

FIELD or AREA: Home River N.W.T. WELL NAME & No. Mobil Home River L-09 CONTRACTOR S&T Drilling (Western) Ltd. RIG No. 15

12-8 TOUR

TIME	MUD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
2 A.M.	9.9	149								
4 A.M.	9.9	168								
6 A.M.	9.9	160								
8 A.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND
50	Caustic
1500#	Supercol

WORK RECORD

START	STOP	HRS.	WORK RECORD
12:00	12:15	1/4	Rig Service & Bops
12:15	8:00	7 3/4	Cleaning to btm from 4913 - 4995

Hole Sloughing - 30 to 65m drag
Quite a lot of [illegible] [illegible]
Torque [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] 3am [illegible]
to get Kelly [illegible] [illegible] [illegible]
after [illegible] after 4 [illegible] @ 4995

BOP Tested ✓ DRILLER: A.L. Plains CONTRACTOR'S TIME CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	5356				
REAMED					
CORED					

TALLY

No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
	KELLY IN	
	TOTAL	
	RAT HOLE TOP	

BIT RECORD

BIT No.	RR 12		
SIZE	8 3/4		
MAKE	HW		
TYPE	XDV		
SERIAL	29251		
JET SIZE	3/14		
FROM			
TO			
FOOTAGE			
HRS.			
COND.			

8-4 TOUR

TIME	MUD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
10 A.M.	9.9	200								
NOON	10	270								
2 P.M.	10	90								
4 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND
1200#	SUPER Col.
1200#	UNI CAL

START	STOP	HRS.	WORK RECORD
8:00	8:15	1/4	Ser. Rig & BOPs & Kelly Cock.
8:15			Cleaning To Bottom From

BOP Tested ✓ DRILLER: R. Smith CONTRACTOR'S TIME CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY

No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
	KELLY IN	
	TOTAL	
	RAT HOLE TOP	

BIT RECORD

BIT No.	RR 12		
SIZE	8 3/4		
MAKE	H-W		
TYPE	XDV		
SERIAL	29251		
JET SIZE	3/14		
FROM			
TO			
FOOTAGE			
HRS.			
COND.			

4-12 TOUR

TIME	MUD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
6 P.M.	10.0	130								
8 P.M.	10.1	110								
10 P.M.										
12 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND
50#	CAUSTIC		
1500	SUPER Col.		

START	STOP	HRS.	WORK RECORD
4:00	4:15	1/4	Serv Rig & Bops
4:15	9:00	4 3/4	Cleaning
9:00	11:15	2 1/4	[illegible] [illegible] [illegible] Wiper
11:15	11:30	1/4	[illegible]
11:30	12:00	1/2	[illegible] bit #17

BOP Tested ✓ DRILLER: [illegible] CONTRACTOR'S TIME CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY

No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
	KELLY IN	
	TOTAL	
	RAT HOLE TOP	

BIT RECORD

BIT No.	17		
SIZE	8 3/4		
MAKE	HW		
TYPE	XDV		
SERIAL	[illegible]59		
JET SIZE	[illegible]		
FROM			
TO			
FOOTAGE			
HRS.			
COND.			

DAILY TIME SHEET

No. 57 DAILY TIME SHEET 3-35 (REV. 1/68)

Well Mobil Home River L-09

Approved ______ Date Feb 16/71

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	A.L. Plains	12
DERRICK	J. Smithyk	12
MOTORMAN	J. [illegible]	12
FLOORMAN	D. Hiebert	12
FLOORMAN	J. [illegible]	12
FIREMAN		

REMARKS AND INJURIES:

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	Ron Smith	
DERRICK	C. Campbell	
MOTORMAN	K. Wilson	
FLOORMAN	R. Jenson	
FLOORMAN	L. Johnson	
FIREMAN	B. Bugtauk	

REMARKS AND INJURIES:

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: ______ PSI. MIN. ______ FORMATION TESTED ______ PSI. / MIN. ______ EQUIPMENT FAILURES ______ TIME LOST ______

RIG FUEL CONSUMPTION ______ GALS BOILER FUEL CONSUMPTION ______ GALS WIRELINE TON MILE ______ TOOL PUSHER: [signature] APPROVED: [signature]

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE Feb 9/71

No. 56 DAILY TIME SHEET 3-25 (REV. 1/68)

Well Hotel Home Lease

FIELD or AREA: Home Lease Area WELL NAME & No. Subject Home Lease #6 CONTRACTOR S+T Drilling (Western) Co. Ltd. RIG No. 12

No. 56

Approved _____ Date Feb 9/71

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP # SPM	PUMP # PRESS	DEVIATION DEPTH	DEG.
2 A.M.	9.8	96			30	60	69	1550	5260	3/4
4 A.M.	9.8	70								
6 A.M.	9.8	80	9.4							
8 A.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND
10 Lbs	Liquid Soda
1000	Imbiber Magic
300	Flocal
10	Dowcides
100	Caustic
500	Superlol

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP # SPM	PUMP # PRESS	DEVIATION DEPTH	DEG.
10 A.M.	9.8	70			30	60	69	1550		
NOON	9.8	70								
2 P.M.	9.8	74								
4 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND
50	KELZAN
630	Super Col
50	PLASTER

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
6 P.M.										
8 P.M.										
10 P.M.	9.8	85								
12 P.M.	9.8	92								

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND
500	Superlol		
50	Caustic		

WORK RECORD — 12 - 8 TOUR

START	STOP	HRS.	
12:00	12:30	1/2	Rig Service & Repair
12:30	5:00	5 1/2	Drlg 8 3/4 hole
5:00	6:00	2	Survey @ 5260 - 3/4°
6:00	8:00	2	Drlg 8 3/4 hole

BOP Tested ✓ DRILLER: D. Chris CONTRACTOR'S TIME CO's. TIME

8 - 4 TOUR

START	STOP	HRS.	
8:00	11:00	3	DRLG 8 3/4" hole
11:00	11:45	3/4	Pull 5 STAND WIPER TRIP (450' DRAG ON TRIP)
11:45	12:00	1/4	Ser. Rig & BOP
12:00	3:15	3 1/4	Run in + Ream From 4852' To 4915
3:15	4:00	3/4	Trip out For B.I.T.

BOP Tested ✓ DRILLER: Ron Caudle CONTRACTOR'S TIME CO's. TIME

4 - 12 TOUR

START	STOP	HRS.	
4:00	5:30	1 1/2	Trip out
5:30	5:45	1/4	Ser Rig & BOPs
5:45	8:00	2 1/4	Run in
8:00	12:00	4	Cleaning Out from 4860 - 4913

BOP Tested ✓ DRILLER: _____ CONTRACTOR'S TIME CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	5235	5290	35	7 1/2	8 3/4
REAMED					
CORED					

TALLY

No.		LENGTH
5-0	STANDS	469060
	SINGLE	
18	D.C.'s	530.53
1	Swivel	15.48
	Jars	6.90
	Subs	6.90
	KELLY IN	15.19
	TOTAL	5290.00
	RAT HOLE TOP	

BIT RECORD

BIT No.	16
SIZE	8 3/4
MAKE	H-W
TYPE	X55R
SERIAL	29749
JET SIZE	3/14 1/3
FROM	5215
TO	5290
FOOTAGE	55
HRS.	14
COND.	1-1

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	D. Chris	12
DERRICK	J. Smythe	12
MOTORMAN	J. Wilson	12
FLOORMAN	G. Herbert	12
FLOORMAN	J. Kinslie	12
FIREMAN		

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	5270	5286	16	3	8 3/4
REAMED					
CORED					

TALLY

No.		LENGTH
50	STANDS	469660
1	SINGLE	
18	D.C.'s	530.93
1	Swivel	15.48
	Jars	6.90
	Subs	6.90
	KELLY IN	35.19
	TOTAL	5286
	RAT HOLE TOP	

BIT RECORD

BIT No.	16
SIZE	8 3/4"
MAKE	H-W
TYPE	X55R
SERIAL	29749
JET SIZE	3/14 1/3
FROM	5215
TO	5286
FOOTAGE	71
HRS.	17
COND.	1-3-1

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	Ron Caudle	12
DERRICK	C. Campbell	12
MOTORMAN	K. Wilson	12
FLOORMAN	A. Iwaniw	12
FLOORMAN	L. Johnson	12
FIREMAN	B. Burtalk	12

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY

No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
	KELLY IN	
	TOTAL	
	RAT HOLE TOP	

BIT RECORD

BIT No.	PAT 12
SIZE	8 3/4
MAKE	H-W
TYPE	XDV
SERIAL	9925-1
JET SIZE	3-14
FROM	
TO	
FOOTAGE	
HRS.	
COND.	

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: M. Valenza APPROVED: Ron Caudle

Mobil Oil Canada, Ltd.
DAILY DRILLING REPORT

DATE July 8/71 — No. 55 DAILY TIME SHEET (REV. 1/68) — 2-35

FIELD or AREA: Home Russell — WELL NAME & No. Mobil Home Russell L-09 — CONTRACTOR S+T Drilling Int. Co. Ltd. — RIG No. 16 — No. 55 — Well Mobil Home Russell L-09 — Approved _____ — Date July 8/71

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEVIATION DEG.
2 A.M.	9.7	45								
4 A.M.	"	45								
6 A.M.	"	40								
8 A.M.	"	45								

LINER SIZE: 5½ x 14" STROKE

MUD & CHEMICALS

LBS. Added	KIND
50	Caustic
20 Sacks	Super Col

START	STOP	HRS.	WORK RECORD — 12 - 8 TOUR
12:00	12:15	¼	Rig Service
12:15	8:00	7¾	Cleaning f. 11 ¼ hole from 4920-5152

BOP Tested — DRILLER: J. Fleming — CONTRACTOR'S TIME — CO's. TIME

START	STOP	HRS.	8 - 4 TOUR
7:00	9:15	2¼	Ser. Rig & B.O.P. & Kelly Cock.
9:15	11:00	1¾	CLEANING. FROM 5152 TO 5200'

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	5215				8¾
REAMED					
CORED					

TALLY

No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	

BIT RECORD

BIT No.	16
SIZE	8¾
MAKE	HW
TYPE	X55R
SERIAL	39743
JET SIZE	3-16 3-16
FROM	5215
TO	
FOOTAGE	
HRS.	
COND.	

KELLY IN — TOTAL — RAT HOLE TOP

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	J. Fleming	12
DERRICK	G. Swiftyke	12
MOTORMAN	J. Gibson	12
FLOORMAN	G. Herbert	12
FLOORMAN	G. Kunkle	12
FIREMAN		

REMARKS AND INJURIES:

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEVIATION DEG.
10 A.M.	9.8	48					69	1500		
NOON	9.8	45								
2 P.M.	9.8	38								
4 P.M.	9.8	42								

LINER SIZE: 5½" x 14" STROKE

MUD & CHEMICALS

LBS. Added	KIND
100	Super Col
50	Caustic

START	STOP	HRS.	8 - 4 TOUR
4:00	4:15	¼	Ser. Rig & BOP
4:15	4:45	½	CLEANING To Bottom From 5200' 5215'
4:45	9:00	4¼	DRLG. 8¾ hole
9:00	9:30	½	Survey @ 5228 30°
9:30	12:00	2½	Drlg 8¾ hole

BOP Tested ✓ — DRILLER: R. Smith — CONTRACTOR'S TIME — CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	5215	5235	20	6½	8¾
REAMED					
CORED					

TALLY

No.		LENGTH
49	STANDS	1470
2	SINGLE	46
19	D.C.'s	592.93
1	swivel	6.90
1	elevator	6.90
1	Kelly	45.48

BIT RECORD

BIT No.	16
SIZE	8¾
MAKE	H-W
TYPE	X55R
SERIAL	39743
JET SIZE	3-14 3-14
FROM	5215
TO	5235
FOOTAGE	20
HRS.	6½
COND.	

KELLY IN 15.75 — TOTAL 5235 — RAT HOLE TOP

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	Ron Smith	
DERRICK	C. Campbell	
MOTORMAN	K. Wilson	
FLOORMAN	A. Jackson	
FLOORMAN	L. Johnson	
~~FIREMAN~~	B. Bratnik	

REMARKS AND INJURIES:

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEVIATION DEG.
6 P.M.	9.8	44			30	60	69	1500	5228	30°
8 P.M.	9.8	42								
10 P.M.	9.8	45	10	3/32						
12 P.M.	9.8	42								

LINER SIZE: _____ STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

START	STOP	HRS.	4 - 12 TOUR
4:00	4:15	¼	Ser. Rig & BOP
4:15	4:45	½	CLEANING To Bottom From 5200' 5215'
4:45	9:00	4¼	DRLG. 8¾ hole
9:00	9:30	½	Survey @ 5228 30°
9:30	12:00	2½	Drlg 8¾ hole

BOP Tested — DRILLER: Ron Smith — CONTRACTOR'S TIME — CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	5215	5235	20	6½	8¾
REAMED					
CORED					

TALLY

No.		LENGTH
49	STANDS	1470
2	SINGLE	46
19	D.C.'s	592.93
1	swivel	6.90
1	elevator	6.90
1	Kelly	45.48

BIT RECORD

BIT No.	16
SIZE	8¾
MAKE	H-W
TYPE	X55R
SERIAL	39743
JET SIZE	3-14 3-14
FROM	5215
TO	5235
FOOTAGE	20
HRS.	6¾
COND.	

KELLY IN 15.75 — TOTAL 5235 — RAT HOLE TOP

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: [illegible] APPROVED: [signature]

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE Feb 7/71

No. 54 DAILY TIME SHEET 3-35 (REV. 1/68)

Well Soleil Home Kaiser 4-C-C

FIELD or AREA: Home Kaiser N W T WELL NAME & No. Soleil Home Kaiser 4-C-C CONTRACTOR: S.T. Drilling (Western) Ltd No. 54 RIG No. 1E

Approved _____ Date Feb 7th

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
2 A.M.										
4 A.M.										
6 A.M.										
8 A.M.										

LINER SIZE: 5½ x 14 STROKE

MUD & CHEMICALS

LBS. Added	KIND

START	STOP	HRS.	WORK RECORD 12 - 8 TOUR
12⁰⁰	12¹⁵	¼	Hse Service / Bops
12¹⁵	2³⁰	2¼	Hole to Log down to last Salt Cavity 5 Evaporite Zone
2³⁰	3⁰⁵	½	Circ & Strap out for #16
3⁰⁵	3³⁰	½	Slip 33' Drilling Line
3³⁰	4³⁰	1	Run in with bit #16
4³⁰	8⁰⁰	3½	Clean out - fill to btm from 4750 - 4800

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	5215				
REAMED					
CORED					

TALLY

No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	

BIT RECORD

BIT No.	16
SIZE	8¾
MAKE	HW
TYPE	X55R
SERIAL	29743
JET SIZE	¾ ¼ ¼
FROM	5215
TO	
FOOTAGE	
HRS.	
COND.	

KELLY IN

TOTAL

RAT HOLE TOP

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	G. Hinds	12
DERRICK	J. Smith	12
MOTORMAN	J. Nelson	12
FLOORMAN	G. Hubert	12
FLOORMAN	J. Hinds	12
FIREMAN		

REMARKS AND INJURIES:

BOP Tested ✓

DRILLER: D.J. Kenning CONTRACTOR'S TIME CO's. TIME

8 - 4 TOUR

START	STOP	HRS.	
8⁰⁰	8⁴⁵	¾	Ser. Rig & BOPs
8⁴⁵	4¹⁰⁰	7¼	CLEANING To Bottom From 4800' To 4825

Mix Mud & Raise Vis To CLEAN Sloughing Shale

MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
10 A.M. 96	46					69	1300		
NOON 96	70								
2 P.M. 96	70								
4 P.M. 96	71	6.4	½						

LINER SIZE: 5½ x 14" STROKE

MUD & CHEMICALS

LBS. Added	KIND
150#	CAUSTIC
20#	Dowcide
2500#	Super-Col

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	5215'				8¾
REAMED					
CORED					

TALLY

No.		LENGTH
46	STANDS	
	SINGLE	
18	D.C.'s	530.93
1 Recard		15.48
1 Reciprocator		6.90

BIT RECORD

BIT No.	16
SIZE	8¾
MAKE	H-W
TYPE	X55R
SERIAL	29743
JET SIZE	¾ ¼ ¼
FROM	5215
TO	
FOOTAGE	
HRS.	
COND.	

KELLY IN

TOTAL

RAT HOLE TOP

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	Ron Smith	12
DERRICK	C. Campbell	12
MOTORMAN	K. Wilson	12
FLOORMAN	A. Jenson	12
FLOORMAN	L. Johnson	12
FIREMAN	B. Burtnik	12

REMARKS AND INJURIES:

BOP Tested ✓

DRILLER: Ron Smith CONTRACTOR'S TIME CO's. TIME

4 - 12 TOUR

START	STOP	HRS.	
4⁰⁰	4¹⁵	¼	Ser Rig & BOPs
4¹⁵	1⁰⁰	7¾	CLEANING OUT from 4825 - 4920

MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
6 P.M. 96	48								
8 P.M. 96	150								
10 P.M.									
12 P.M.									

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND
50#	CAUSTIC		
1000#	Super Col		

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					8¾
REAMED					
CORED					

TALLY

No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	

BIT RECORD

BIT No.	
SIZE	
MAKE	
TYPE	
SERIAL	
JET SIZE	
FROM	
TO	
FOOTAGE	
HRS.	
COND.	

KELLY IN

TOTAL

RAT HOLE TOP

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

BOP Tested ✓

DRILLER: Ron Smith CONTRACTOR'S TIME CO's. TIME

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: A. Valenza APPROVED: [signature]

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE 2nd/4/71

No. 53 DAILY TIME SHEET 3-35 (REV. 1/68)

FIELD or AREA: Hume Sands N WT WELL NAME & No. Mobil Hume Sands 6-09 CONTRACTOR 53 T Drilling (Western) Co Ltd RIG No. 15

No. 53

Well Mobil Hume Sands 6-09

Approved _____ Date 2nd/4/71

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
2 A.M.	94	40			25	60	69	1K	5183	3½
4 A.M.	93	40			30					
6 A.M.	92	41	11.0	2/32						
8 A.M.	92	42								

LINER SIZE: 5½ x 14 STROKE

MUD & CHEMICALS

LBS. Added	KIND
55 lbs	Diesel Fuel
5500	Water Gel

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
10 A.M.										
NOON										
2 P.M.										
4 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
6 P.M.										
8 P.M.										
10 P.M.	93	46								
12 P.M.	25	58	11.5	2/32						

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND
150 #	Water		
150 #	Water		
450 #	Bentonite		
50 #	Caustic		

WORK RECORD — 12 - 8 TOUR

START	STOP	HRS.	
12 M	3:15	3¼	Drlg 5166 - 5210
3:15	3:30	¼	Rig Service & Repair: Kelly cock
3:30	4 M	½	Circ & Cond 5183 3½
4 M	8 M	4	Drlg

BOP Tested ✓ DRILLER: Smith CONTRACTOR'S TIME CO's. TIME

8 - 4 TOUR

START	STOP	HRS.	
8 M	8:30	½	Drlg
8:30	8:45	¼	Service Rig & Equip
8:45	4 M	7¼	Hoist. Lo Co Tool Pusher out 9 singles; work Stands, Trips
			30 m drag on Trip

BOP Tested DRILLER: R. Smith CONTRACTOR'S TIME CO's. TIME

4 - 12 TOUR

START	STOP	HRS.	
4 M	6 M	2	Trips out 6 singles
6 M	8 M	2	Circ & Clean Hole
8 M	12 M	4	Trips, Cond Mud & Hole

BOP Tested DRILLER: Geo. Gray CONTRACTOR'S TIME CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	5166	5210	44	7¼	5¾
REAMED					
CORED					

TALLY No.		LENGTH
45	STANDS	4597½
	SINGLE	
18	D.C.'s	530.93
Smith		15.48
Wajax		6.90
Jars		6.90
Shock		1.90
KHA		16.15
KELLY IN		35.88
TOTAL		5210.00
RAT HOLE TOP		

BIT RECORD	
BIT No.	XR10
SIZE	5¾
MAKE	HW
TYPE	T44
SERIAL	no 271
JET SIZE	3/20 1/32
FROM	4732
TO	5210
FOOTAGE	478
HRS.	72½
COND.	New

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	[illegible]	12
DERRICK	L Savitt	12
MOTORMAN	G Wilson	12
FLOORMAN	G Hulbert	12
FLOORMAN	J Wardle	12
FIREMAN		

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	5210	5215	5	½	5¾
REAMED					
CORED					

TALLY No.		LENGTH
47	STANDS	4597½
1	SINGLE	31.69
18	D.C.'s	530.93
Smith		15.48
Jars		6.90
Shock		1.90
KHA		16.15
KELLY IN		9.19
TOTAL		5215.00
RAT HOLE TOP		

BIT RECORD	
BIT No.	XR10
SIZE	5¾
MAKE	HW
TYPE	T44
SERIAL	no 271
JET SIZE	3/20 1/32
FROM	4732
TO	5215
FOOTAGE	483
HRS.	73
COND.	2-2-1

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	L Savitt	12
DERRICK	C Campbell	12
MOTORMAN	K Wilson	12
FLOORMAN	J [illegible]	12
FLOORMAN	[illegible]	12
FIREMAN	[illegible]	12

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	5215				
REAMED					
CORED					

TALLY No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
KELLY IN		
TOTAL		
RAT HOLE TOP		

BIT RECORD	
BIT No.	
SIZE	
MAKE	
TYPE	
SERIAL	
JET SIZE	
FROM	
TO	
FOOTAGE	
HRS.	
COND.	

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: A B Hedenskog APPROVED: [signature]

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE Feb 5/71

No. 52 DAILY TIME SHEET 3-35 (REV. 1/68)

FIELD or AREA: Hume Kiscus W.I.T WELL NAME & No. Imperial Hume Kiscus L-09 CONTRACTOR C.S.T. Drilling (Western) Ltd RIG No. 52

Well Imperial Hume Kiscus L-09

Approved _____ Date Feb 6/71

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
2 A.M.	9.4	40			35	60	69	1100		
4 A.M.	9.4	42								
6 A.M.	9.4	42	12	2/32						
8 A.M.	9.4	41								

LINER SIZE: 5 7/8 x 12 STROKE

MUD & CHEMICALS

LBS. Added	KIND
50	Flocton
50	Pelgel

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
10 A.M.	9.4	40			35	60	69	1175	5069	32 3/4
NOON	9.4	41	12	2/32						
2 P.M.	9.4	42								
4 P.M.										

LINER SIZE: _____ STROKE

MUD & CHEMICALS

LBS. Added	KIND
50	Kelseal
150	Super Gel
50	Flocton

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
6 P.M.	9.4	41			35	60	69	1225		
8 P.M.	9.4	40								
10 P.M.	9.4	41	11.6	2/32						
12 P.M.	9.4	40								

LINER SIZE: 5 7/8 x 12 STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

WORK RECORD — 12 - 8 TOUR

START	STOP	HRS.	
12:00	12:15	1/4	Rig Service / Boys / Kelly Cock
12:15	6:00	5 3/4	Drlg 5726 Lst

BOP Tested —

DRILLER: W.H. CONTRACTOR'S TIME CO's. TIME

START	STOP	HRS.	
6:00	12:15	6 1/4	Drlg
12:15	12:30	1/4	Survey @ 5657 32 3/4
12:30	12:45	1/4	Rig Service / Boys
12:45	4:00	3 1/4	Drlg

BOP Tested ✓

DRILLER: Ken Smith CONTRACTOR'S TIME CO's. TIME

START	STOP	HRS.	
4:00	5:00	1	Circ 5726 Lst
5:00	5:15	1/4	Rig Service / Boys
5:15	12:00	6 3/4	Trip

BOP Tested ✓

DRILLER: _____ CONTRACTOR'S TIME CO's. TIME

8 - 4 TOUR

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	5064	5113	49'	7 1/2	5 3/4
REAMED					
CORED					

TALLY

No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
	KELLY IN	
	TOTAL	
	RAT HOLE TOP	

BIT RECORD

BIT No.	HR10
SIZE	5 3/4
MAKE	HW
TYPE	J44
SERIAL	Gn 271
JET SIZE	3/4 1/2
FROM	4732
TO	5064
FOOTAGE	332'
HRS.	50
COND.	New

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	K Cunningham	12
DERRICK	J Smith	12
MOTORMAN	J Lindsay	12
FLOORMAN	C Herbert	12
FLOORMAN	J Hunt	12
FIREMAN		

REMARKS AND INJURIES:

8 - 4 TOUR

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	5064	5113	49'	7 1/2	5 3/4
REAMED					
CORED					

TALLY

No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
	KELLY IN	
	TOTAL	
	RAT HOLE TOP	

BIT RECORD

BIT No.	HR10
SIZE	5 3/4
MAKE	HW
TYPE	J44
SERIAL	Gn 271
JET SIZE	3/4 1/2
FROM	4732
TO	5113
FOOTAGE	381
HRS.	57 1/2
COND.	New

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	K Smith	12
DERRICK	J Campbell	12
MOTORMAN	R Lowe	12
FLOORMAN	D Hanson	12
FLOORMAN	J Hunt	12
FIREMAN	C Hamilton	12

REMARKS AND INJURIES:

4 - 12 TOUR

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	5113	5166	53	7 1/4	5 3/4
REAMED					
CORED					

TALLY

No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
	KELLY IN	
	TOTAL	
	RAT HOLE TOP	

BIT RECORD

BIT No.	HR10
SIZE	5 3/4
MAKE	HW
TYPE	J44
SERIAL	Gn 271
JET SIZE	3/4 1/2
FROM	4732
TO	5166
FOOTAGE	434
HRS.	65 1/2
COND.	

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: _____ APPROVED: _____

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE Feb 4/71 — No. 51 — DAILY TIME SHEET (REV. 11/68) — No. 5'

FIELD or AREA: Home Kinsella — WELL NAME & No. Mobil Home Kinsella 6-09 — CONTRACTOR 5-T Drlg (Western) Co. Ltd — RIG No. 1E — Well Mobil Home Kinsella 6-09 — Approved _____ — Date Feb 4/71

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
2 A.M.	9.2	48			30	60	69	1200	4961	32
4 A.M.	9.2	48								
6 A.M.	9.3	46	16.6	2/32						
8 A.M.	9.3	46								

LINER SIZE: 5 1/2 x 14 STROKE

MUD & CHEMICALS

LBS. Added	KIND
100	Flocele
150	Spercel
50	Wigand

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
10 A.M.	9.3	48			30	60	69	1200		
NOON	9.4	46								
2 P.M.	9.4	46	17.7	2/32						
4 P.M.	9.4	46								

LINER SIZE: _____ STROKE

MUD & CHEMICALS

LBS. Added	KIND

	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
6 P.M.	9.4	43			30	60	69	1200	4995	32 1/4
8 P.M.	9.4	42								
10 P.M.	9.4	41	15.4	2/32						
12 P.M.	9.4	41								

LINER SIZE: _____ STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND
100	Con Lec		

WORK RECORD — 12 - 8 TOUR

START	STOP	HRS.	
12:00	1:00	1	Drlg 8¾" hole
1:00	1:15	1/4	Hyg Survey 4970 ; Pull out
1:15	1:45	1/2	Work tight Conn.
1:45	2:00	1/4	Survey @ 4991-32°
2:00	5:00	3	Drlg

BOP Tested — DRILLER: K. Timmins — CONTRACTOR'S TIME — CO's. TIME

8 - 4 TOUR

START	STOP	HRS.	
8:00	10:45	2 3/4	Drlg
10:45	11:00	1/4	Hyg Survey, Trips
11:00	4:00	5	Drlg.

BOP Tested — DRILLER: Ken Savill — CONTRACTOR'S TIME — CO's. TIME

4 - 12 TOUR

START	STOP	HRS.	
4:00	5:00	1	Drlg
5:00	5:15	1/4	Survey @ 4995 32 1/4
5:15	5:45	1/2	Hyg Survey Trips
5:45	12:00	6 1/4	Drlg

BOP Tested — DRILLER: Ken Savill — CONTRACTOR'S TIME — CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	4893	4995	52	6 1/4	8 3/4
REAMED					
CORED					

TALLY

No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
	KELLY IN	
	TOTAL	
	RAT HOLE TOP	

BIT RECORD

BIT No.	HH10
SIZE	8 3/4
MAKE	HW
TYPE	J44
SERIAL	Can 2771
JET SIZE	2/16 4/32
FROM	4732
TO	4995
FOOTAGE	263
HRS.	27 1/4
COND.	Clean

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	K. Timmins	12
DERRICK	J. Smith	12
MOTORMAN	C. Nelson	12
FLOORMAN	G. Skibenes	12
FLOORMAN	J. Kienitz	12
FIREMAN		

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	4995	4990	45	7 1/4	8 3/4
REAMED					
CORED					

TALLY

No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
	KELLY IN	
	TOTAL	
	RAT HOLE TOP	

BIT RECORD

BIT No.	HH10
SIZE	8 3/4
MAKE	HW
TYPE	J44
SERIAL	Can 2771
JET SIZE	3/16 4/32
FROM	4732
TO	4990
FOOTAGE	258
HRS.	35
COND.	Clean

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	K. Savill	12
DERRICK	G. Campbell	12
MOTORMAN	K. Wilson	12
FLOORMAN	[illegible]	12
FLOORMAN	R. Johnson	12
FIREMAN	[illegible]	12

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	4990	5026	36	7 1/4	8 3/4
REAMED					
CORED					

TALLY

No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
	KELLY IN	
	TOTAL	
	RAT HOLE TOP	

BIT RECORD

BIT No.	HH10
SIZE	8 3/4
MAKE	HW
TYPE	J44
SERIAL	Can 2771
JET SIZE	3/16 4/32
FROM	4732
TO	5026
FOOTAGE	294
HRS.	42 1/4
COND.	Clean

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: [signature] APPROVED: [signature]

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE Feb 3/71

No. 50 DAILY TIME SHEET 3-35 (REV. 1/68)

Well Sekulich Home Kaniv L-04

FIELD or AREA: Home Kaniv WELL NAME & No. Sekulich Home Kaniv L-04 CONTRACTOR 57 Drilling (Western) Co Ltd RIG No. 50

Approved _____ Date Feb 3/71

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
2 A.M.	9.1	40	16.2	2/32	30	60	69	1200		
4 A.M.	9.1	42								
6 A.M.	9.2	40	14.4	2/32						
8 A.M.	9.2	40								

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND
50	Kelgard
250	Gilsonite
100	Flo-Trol
50	Caustic
10	Desimul

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
10 A.M.	9.2	40			30	60	69	1200	4506	31 3/4
NOON	9.2	42								
2 P.M.	9.2	45	11.6	2/32						
4 P.M.	9.2	46								

LINER SIZE: 5 1/2 x 14 STROKE

MUD & CHEMICALS

LBS. Added	KIND
100	Gilsonite
100	Kelgard

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
6 P.M.	9.2	43			30	60	69	1200		
8 P.M.	9.2	44								
10 P.M.	9.3	44								
12 P.M.	9.3	45	11.0	2/32						

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND
150	Caustic		
50	Lime Pit		
100	Desimide		
100	Kelgard		
100	Gilsonite		

WORK RECORD — 12 - 8 TOUR

START	STOP	HRS.	
1700	1715	1/4	Rig Service + Bops
1715	2115	4	Dig 8 3/4" hole
2115	0115	4	Work tight hole
0115	0500	3 3/4	Dig 8 3/4" hole

BOP Tested

DRILLER: Peterson CONTRACTOR'S TIME CO's. TIME

8 - 4 TOUR

START	STOP	HRS.	
0500	0505	1/4	Dig
0505	1130	6 1/4	Work tight hole
1130	1145	1/4	Service Rig + Bops
1145	1530	3 3/4	Dig
1530	1700	1 1/2	Survey @ 4506 31 3/4

BOP Tested

DRILLER: L. Sinclair CONTRACTOR'S TIME CO's. TIME

4 - 12 TOUR

START	STOP	HRS.	
400	430	1/2	work tight hole
430	445	1/4	Rig Service + Bops
445	1700	12 1/4	Dig

BOP Tested

DRILLER: L. Sinclair CONTRACTOR'S TIME CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	4783	4800	57	6 1/4	8 3/4
REAMED					
CORED					

TALLY

No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
	KELLY IN	
	TOTAL	
	RAT HOLE TOP	

BIT RECORD

BIT No.	RR10
SIZE	8 3/4
MAKE	HW
TYPE	J44
SERIAL	Gw271
JET SIZE	3/16 1/16
FROM	4732
TO	4800
FOOTAGE	68
HRS.	8 3/4
COND.	Gum

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	O. Peterson	12
DERRICK	J. Sinclair	12
MOTORMAN	J. Nelson	12
FLOORMAN	C. Hibert	12
FLOORMAN	J. Kinch	12
FIREMAN		

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	4800	4838	38	4 1/4	8 3/4
REAMED					
CORED					

TALLY

No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
	KELLY IN	
	TOTAL	
	RAT HOLE TOP	

BIT RECORD

BIT No.	HR10
SIZE	8 3/4
MAKE	HW
TYPE	J44
SERIAL	Gw271
JET SIZE	3/16 1/16
FROM	4732
TO	4838
FOOTAGE	106
HRS.	13 1/4
COND.	Gum

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	Jon Smith	12
DERRICK	A. Campbell	12
MOTORMAN	W. Nelson	12
FLOORMAN	J. Jenson	12
FLOORMAN	W. Hyland	12
FIREMAN	L. Kinch	12

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	4838	4993	55	7 1/4	5 3/4
REAMED					
CORED					

TALLY

No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
	KELLY IN	
	TOTAL	
	RAT HOLE TOP	

BIT RECORD

BIT No.	HR10
SIZE	5 3/4
MAKE	HW
TYPE	J44
SERIAL	Gw271
JET SIZE	3/16 1/16
FROM	4732
TO	4993
FOOTAGE	161'
HRS.	20 1/2
COND.	Gum

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: A. Bielenberg APPROVED: R. Tait

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE Feb 3/71

No. 49 DAILY TIME SHEET 3-35 (REV. 1/68)

Well Mobil Home Knowles L-09

FIELD or AREA: Home Knowles WT WELL NAME & No. Mobil Home Knowles L-09 CONTRACTOR S&T Drilling (Western) Co. RIG No. 12 No. 49

Approved _____ Date Feb 3/71

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
2 A.M.	9.2	40	16.4	2/32	30	60	69	1150		
4 A.M.	9.2	39		2/32						
6 A.M.	9.2	39	16.8	2/32						
8 A.M.	9	40								

LINER SIZE: 5½ x 14 STROKE

MUD & CHEMICALS

LBS. Added	KIND
50#	KELZAN
100#	CAUSTIC
256#	SUPER COL
10#	DOWICIDE B.
50#	PLASTER.

START	STOP	HRS.	WORK RECORD 12 - 8 TOUR
12:00	1:00	1	Drlg 8¾" hole
1:00	1:15	¼	Rig Service & Repairs
1:15	8:00	6¾	Drlg 8¾" hole

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	4641	4687	46	7¾	8¾
REAMED					
CORED					

TALLY No.		LENGTH
43	STANDS	4029
2	SINGLE	40.77
18	D.C.'s	532.93
1 reamer		5.48
1 Jars		6.90
1 Subs		6.90
PUMP		16.15
KELLY IN		18.15
TOTAL		4687.50
RAT HOLE TOP		

BIT RECORD	
BIT No.	15
SIZE	8¾
MAKE	HW
TYPE	XSSR
SERIAL	29641
JET SIZE	3-13/64
FROM	4243
TO	4687
FOOTAGE	444
HRS.	71¾
COND.	Run

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	D. Holmes	12
DERRICK	J. Smythe	12
MOTORMAN	G. Wilson	12
FLOORMAN	C. Hackett	12
FLOORMAN	J. Kindle	12
FIREMAN		

REMARKS AND INJURIES:

BOP Tested ✓ DRILLER: Grey Holmes CONTRACTOR'S TIME CO's. TIME

START	STOP	HRS.	8 - 4 TOUR
8:00	11:30	3½	DRLG. 8¾" hole
11:30	12:00	½	Survey @ 4709
12:00	12:15	¼	See Rig & BOP re Kelly Cock.
12:15	11:00	3¾	DRLG. 8¾" hole

4709. 30¼ - 4066

TVD 4491.66

	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP 2 SPM	PUMP 2 PRESS	DEVIATION DEPTH	DEG.
10 A.M.	9.2	40	16	2/32	30	60	69	1150	4709	30¼
NOON	9.2	40								
2 P.M.	9.2	39								
4 P.M.	9.2	42								

LINER SIZE: 5½ x 14" STROKE

MUD & CHEMICALS

LBS. Added	KIND
50	KELZAN
250	SUPER - COL
50	PLASTER.
50	CAUSTIC
10	DOWICIDE

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	4687	4730	43	7¼	8¾
REAMED					
CORED					

TALLY No.		LENGTH
44	STANDS	4123.48
	SINGLE	
18	D.C.'s	532.93
1 reamer		5.48
1 Jars		6.90
1 Subs		6.90
PUMP		16.15
KELLY IN		29.76
TOTAL		4730.00
RAT HOLE TOP		

BIT RECORD	
BIT No.	15
SIZE	8¾
MAKE	H-W
TYPE	XSSR
SERIAL	29641
JET SIZE	3-13/64
FROM	4243
TO	4730
FOOTAGE	487
HRS.	79
COND.	Run

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	Ron Savill	12
DERRICK	C. Campbell	12
MOTORMAN	K. Wilson	12
FLOORMAN	A. Jenson	12
FLOORMAN	L. Johnson	12
FIREMAN	B. Bartnik.	12

REMARKS AND INJURIES:

BOP Tested ✓ DRILLER: Ron Savill CONTRACTOR'S TIME CO's. TIME

START	STOP	HRS.	4 - 12 TOUR
4:00	4:45	¾	DRLG. 8¾" hole
4:45	7:15	2½	Hoist For R.T
7:15	7:30	¼	Rig Svc & BOP
7:30	9:45	2¼	Run in W/B.T RR#10 Slowly ; Clean 12' Fill To Btm
9:45	11:45	2	Drlg 8¾" hole
11:45	12:00	¼	Work Tight Conn. - had trouble getting back to btm

	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
6 P.M.	Tripping				30	50	69	1040		
8 P.M.					15	60				
10 P.M.										
12 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND
91 38			

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	4730	4743	13	2¾	8¾
REAMED					
CORED					

TALLY No.		LENGTH
44	STANDS	4138.88
	SINGLE	
18	D.C.'s	532.93
1 reamer		5.48
1 Jars		6.90
1 Subs		6.90
PUMP		16.15
KELLY IN		41.00
TOTAL		4743.44
RAT HOLE TOP		

BIT RECORD		
BIT No.	15 RR10	
SIZE	8¾	8¾
MAKE	H-W	H-W
TYPE	XSSR	J44
SERIAL	29641	CM271
JET SIZE	3-13/64	2-14 1-12
FROM	4243	4732
TO	4732	4743
FOOTAGE	489	11
HRS.	79¾	2
COND.	1-1	

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: _____ APPROVED: [signature]

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE Feb 1/71

No. 48 DAILY TIME SHEET (REV. 1/68) 3-35

Well Mobil Home Rivers L-09

FIELD or AREA: Home Rivers N.W.T. WELL NAME & No. Mobil Home Rivers L-09 CONTRACTOR S+T Drlg (Western) Co. Ltd. RIG No. 1E No. 48

Approved _____ Date Feb 1/71

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
2 A.M.	9.2	38	11.4	1/32	30	60	69	1150	4520	3/4
4 A.M.	9.2	39								
6 A.M.	9.2	39	11.2	1/32						
8 A.M.	9.2	39								

LINER SIZE: 5½ x 14 STROKE

MUD & CHEMICALS

LBS. Added	KIND
500	Supercol
100	Caustic
100	Kelzan
100	Aloetex
10	Soda Ash

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP 2 SPM	PUMP 2 PRESS	DEVIATION DEPTH	DEG.
10 A.M.	9.2	38			30	60	69	1150		
NOON	9.2	37								
2 P.M.	9.2	37	11.6	1/32						
4 P.M.	9.2	40								

LINER SIZE: 5½ x 14" STROKE

MUD & CHEMICALS

LBS. Added	KIND
KELZAN	100#

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
6 P.M.	9.2	38			30	60	69	1150	4614	30°
8 P.M.	9.2	37								
10 P.M.	9.2	38								
12 P.M.	9.2	37	11.0	3/32						

LINER SIZE: 5½ x 14" STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

WORK RECORD — 12 - 8 TOUR

START	STOP	HRS.	
12:00	12:15	1/4	Rig Service & BOPs
12:15	12:45	1/2	Survey @ 4520 2¾
12:45	8:00	7¼	Drlg 8¾ hole

4520 - 29½ - NOSE

TVD. 4328.18

BOP Tested

DRILLER: Cory Alexius CONTRACTOR'S TIME CO's. TIME

8 - 4 TOUR

START	STOP	HRS.	
8:00	8:15	1/4	Ser. Rig & BOP & Kelly Cock.
8:15	4:00	7¾	DRLG. 8¾" hole

BOP Tested ✓

DRILLER: Ron Saville CONTRACTOR'S TIME CO's. TIME

4 - 12 TOUR

START	STOP	HRS.	
4:00	7:30	3¼	DRLG 8¾" hole
7:30	7:45	1/4	Rig Service & BOPs
7:45	8:15	1/2	Survey @ 4614 30°
8:15	12:00	3¾	Drlg 8¾ hole

4614 - 30° - NOSE

TVD 4409.59

BOP Tested

DRILLER: Ron & Ray CONTRACTOR'S TIME CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	4520	4552	32	7¼	8¾
REAMED					
CORED					

TALLY

No.		LENGTH
42	STANDS	3934.69
	SINGLE	
18	D.C.'s	
	Mud	15.48
	Jars	6.90
	Sub	6.90
	DHA	16.15
	KELLY IN	41.00
	TOTAL	4551.05
	RAT HOLE TOP	

BIT RECORD

BIT No.	15
SIZE	8¾
MAKE	HW
TYPE	X55R
SERIAL	29641
JET SIZE	3/13 11/64
FROM	4243
TO	4552
FOOTAGE	309
HRS.	44
COND.	Run

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	4552	4591	39'	7¾	8¾"
REAMED					
CORED					

TALLY

No.		LENGTH
42	STANDS	3934.69
2	SINGLE	62.83
18	D.C.'s	530.93
1	Mwel	15.48
1		6.90
1		6.90
1	DHA.	16.15
	KELLY IN	17.08
	TOTAL	
	RAT HOLE TOP	

BIT RECORD

BIT No.	15
SIZE	8¾
MAKE	H-W
TYPE	X55R
SERIAL	29641
JET SIZE	3/13 11/64
FROM	4243
TO	4591
FOOTAGE	348
HRS.	56¾
COND.	Run

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	4591	4641	50	7¼	8¾
REAMED					
CORED					

TALLY

No.		LENGTH
43	STANDS	4014.29
1	SINGLE	21.36
18	D.C.'s	530.93
1	Mwel	15.48
1		6.90
1		6.90
1	DHA	16.95
	KELLY IN	35.36
	TOTAL	4641.00
	RAT HOLE TOP	

BIT RECORD

BIT No.	15
SIZE	8¾
MAKE	H-W
TYPE	X55R
SERIAL	29641
JET SIZE	3/13 11/64
FROM	4243
TO	4591
FOOTAGE	398
HRS.	64
COND.	Run

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	D. McLennan	12
DERRICK	J. Smyth	12
MOTORMAN	J. Wilson	12
FLOORMAN	B. Heibert	12
FLOORMAN	J. Kuroki	12
FIREMAN		

REMARKS AND INJURIES:

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	Ron Saville	12
DERRICK	C. Campbell	12
MOTORMAN	K. Wilson	12
FLOORMAN	A. Jenson	12
FLOORMAN	L. Johnson	12
~~FIREMAN~~	B. Burtnik	12

REMARKS AND INJURIES:

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: _____ APPROVED: [signature]

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE Jan 31/71 — No. 47 — DAILY TIME SHEET — REV. 3-35 (V68)

FIELD or AREA: Hume River West — WELL NAME & No. Mobil Hume River L-09 — CONTRACTOR 5 T Drilling (Western) Co Ltd — RIG No. 15 — No. 47

Well Mobil Hume River L-09 — Approved _____ — Date Jan 31/71

2 A.M. – 8 A.M.

TIME	MUD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEVIATION DEG.
2 A.M.	9.2	39	16.4	3/32	30	60	69	1150	4425	3/4
4 A.M.	9.2	39								
6 A.M.	9.2	40								
8 A.M.	9.2	39	16.4	3/32						

LINER SIZE: _____ STROKE _____

MUD & CHEMICALS

LBS. Added	KIND
500	Sugar Cut
100	Caustic
150	Plaster
100	Wilgas
10	Dowicide

START	STOP	HRS.	WORK RECORD — 12 - 8 TOUR
12:00	1:30	1½	Drlg 8¾ hole
1:30	1:35	¼	Rig Service / BOPs + Kelly Cock
1:35	6:30	4¾	Drlg 8¾ hole
6:30	7:00	½	Survey @ 4425 - 29¼
7:00	8:00	1	Drlg 8¾ hole
			4@25 - 29¼ - NOSE

BOP Tested ✓ — DRILLER: D C Kinsey — CONTRACTOR'S TIME — CO's. TIME

START	STOP	HRS.	8 - 4 TOUR
8:00	11:05	3¾	DRLG 8¾ HOLE
11:05	12:00	¾	SERV R.G ✓ BOPS + KELLY COCK
12:00	4:00	4	DRLG 8¾ HOLE

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	4385	4429	44	7¼	8¾
REAMED					
CORED					

TALLY

No.		LENGTH
41	STANDS	3839.56
	SINGLE	
18	D.C.'s	
Smart		15.48
Jars		6.90
Wiper		6.90
PDA		16.15
KELLY IN		13.08
TOTAL		4429.00
RAT HOLE TOP		

BIT RECORD

BIT No.	15
SIZE	8¾
MAKE	HW
TYPE	X55R
SERIAL	26941
JET SIZE	3/13 1/14
FROM	4343
TO	4429
FOOTAGE	186
HRS.	26¼
COND.	Run

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	D C Kinsey	12
DERRICK	J Swiftjk	12
MOTORMAN	J Watson	12
FLOORMAN	D Hiebert	12
FLOORMAN	J Kindi	12
FIREMAN		

REMARKS AND INJURIES:

10 A.M. – 4 P.M.

	MUD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEVIATION DEG.
10 A.M.	9.2	40			30	60	69	1150		
NOON	9.2	40								
2 P.M.	9.2	39	15.9	3/32						
4 P.M.	9.2	39								

LINER SIZE: 5½ × STROKE 14

MUD & CHEMICALS

LBS. Added	KIND
50	CAUSTIC
50	PLASTER
10	DOWICIDE

BOP Tested ✓ — DRILLER: Ron Swift / Tony — CONTRACTOR'S TIME — CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	4429	4470	41	7¾	8¾
REAMED					
CORED					

TALLY

No.		LENGTH
41	STANDS	3839.56
1	SINGLE	31.56
18	D.C.'s	530.93
monel		15.48
JARS		6.90
wiper		6.90
PDA		16.15
KELLY IN		33.52
TOTAL		4470.00
RAT HOLE TOP		

BIT RECORD

BIT No.	15
SIZE	8¾
MAKE	HW
TYPE	X55R
SERIAL	26941
JET SIZE	3/13 1/14
FROM	4343
TO	4470
FOOTAGE	127
HRS.	34
COND.	Run

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	Ron Savill	12
DERRICK	C. Campbell	12
MOTORMAN	K. Wilson	12
FLOORMAN	A. Jenson	12
FLOORMAN	L. Johnson	12
~~FIREMAN~~	B. Burtnik	12

REMARKS AND INJURIES:

6 P.M. – 12 P.M.

	MUD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEVIATION DEG.
6 P.M.	9.2	41			30	60	69	1150		
8 P.M.	9.2	40								
10 P.M.	9.2	39	16.2	3/32						
12 P.M.	9.2	39								

LINER SIZE: _____ STROKE _____

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND
50	Kelzan		
250	Supercut		

START	STOP	HRS.	WORK RECORD — 4 - 12 TOUR
4:00	6:00	2	Drlg 8¾ hole
6:00	6:15	¼	Rig Service + ✓ Bops
6:15	12:00	5¾	Drlg 8¾ hole

BOP Tested ✓ — DRILLER: Ron Swift / Tony — CONTRACTOR'S TIME — CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	4470	4520	50	7¾	8¾
REAMED					
CORED					

TALLY

No.		LENGTH
41	STANDS	3839.56
2	SINGLE	63.43
18	D.C.'s	530.93
monel		15.48
JARS		6.90
wiper		6.90
PDA		16.15
KELLY IN		41.00
TOTAL		4520.35
RAT HOLE TOP		

BIT RECORD

BIT No.	15
SIZE	8¾
MAKE	HW
TYPE	X55R
SERIAL	26941
JET SIZE	3/13 1/14
FROM	4343
TO	4520
FOOTAGE	177
HRS.	41¾
COND.	Run

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: _____ APPROVED: D C Mackie

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE Jan 30/71 — No. 46 DAILY TIME SHEET 3-35 — No. 46

FIELD or AREA: Hume River NWT WELL NAME & No. Mobil Home River L-09 CONTRACTOR Sidney Drilling (Interstate) Co Ltd RIG No. 1E

Well Mobil Home River L-09 — Approved _____ Date Jan 30/71

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
2 A.M.					30	60	69	1150		
4 A.M.	9.2	35								
6 A.M.	9.2	36	16	2/32						
8 A.M.	9.2	36								

LINER SIZE: 5½ x 14 STROKE

MUD & CHEMICALS

LBS. Added	KIND
50	Kelzan
50	Chester
250	SuperCal

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP 2 SPM	PUMP 2 PRESS	DEVIATION DEPTH	DEG.
10 A.M.	9.2	36			30	60	69	1150	4330	2¾
NOON	9.2	39	14.8	3/32						
2 P.M.	9.2	37								
4 P.M.	9.2	38								

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND
100	KELZAN
250	SUPER. Cal
10 BAGS	SAWDUST

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP 2 SPM	PUMP 2 PRESS	DEVIATION DEPTH	DEG.
6 P.M.	9.2	38			30	60	69	1150		
8 P.M.	9.2	40								
10 P.M.	9.2	36	13.0	1/32						
12 P.M.	9.2	38	13.2	1/32						

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND
150	KELZAN		
250	SUPERCAL		
10	DOWICIDE		

WORK RECORD — 12 - 8 TOUR

START	STOP	HRS.	
1200	1415	1¼	Inspect D.C's
1415	1500	½	Run 2w/ bit #15
1500	2000	½	Clean sinkers from 1330 - 1400'
2000	2345	3¾	Drill 2w/ bit #15 - Clean 12' fill on bottom
2345	3000	¼	Rig Survey / BOPs
3000	0000	5	Drlg 8¾ hole

BOP Tested ✓ DRILLER: R. Gilmour CONTRACTOR'S TIME CO's. TIME

Lost approx 75% Circulation @ 4279

Lost 85 bbls daily mud to formation @ 4279 - 4283 before Regaining Complete Circulation Began losing again approx 10 bbls/hr

8 - 4 TOUR

START	STOP	HRS.	
800	830	½	DRLG. 8¾ hole
830	930	1	Work. Tight Conn. Losing Circulation Lost 410 BBLS.
930	200	4½	DRLG.
200	230	½	Survey @ 4330'
230	245	¼	Sea. Rig / BOPs + Kelly Cocks
245	400	1¼	DRLG.

BOP Tested ✓ DRILLER: Lon Saville CONTRACTOR'S TIME CO's. TIME

4 - 12 TOUR

START	STOP	HRS.	
400	730	3½	DRLG. 8¾" hole
730	745	¼	Sea. Rig / BOP
745	1200	4¼	DRLG.

POP Tested ✓ DRILLER: Lon Saville CONTRACTOR'S TIME CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	4293	4290	47	5	8¾
REAMED					
CORED					

TALLY

No.		LENGTH
39	STANDS	3749.12
	SINGLE	31.55
18	D.C.'s	530.93
mud		15.49
Jars		6.90
Wiper		6.90
KHA		16.15
KELLY IN		22.47
TOTAL		4290
RAT HOLE TOP		

BIT RECORD

BIT No.	15
SIZE	8¾
MAKE	HW
TYPE	X55R
SERIAL	29641
JET SIZE	3/13 3/14
FROM	4293
TO	4290
FOOTAGE	47
HRS.	5
COND.	Run

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	R. Gilmour	12
DERRICK	J. Swyripa	12
MOTORMAN	G Nelson	12
FLOORMAN	D Heibert	12
FLOORMAN	J Kendrie	12
FIREMAN		

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	4290	4338	48'	6¼	8¾
REAMED					
CORED					

TALLY

No.		LENGTH
46	STANDS	3744.42
	SINGLE	
18	D.C.'s	530.93
1 MISNEI.		15.48
1 Jars		6.90
1 Wiper		6.90
1 KHA.		16.15
KELLY IN		17.22
TOTAL		4338.00
RAT HOLE TOP		

BIT RECORD

BIT No.	15
SIZE	8¾
MAKE	H-W
TYPE	X55R
SERIAL	29641
JET SIZE	3/13 3/14
FROM	4293
TO	4338
FOOTAGE	95'
HRS.	11¼
COND.	Run

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	Ron Saville	12
DERRICK	C. Campbell	12
MOTORMAN	H Wilson	12
FLOORMAN	A. Jensen	12
FLOORMAN	L. Johnsen	12
~~FIREMAN~~	B. Burnett	12

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	4338	4385	47	7¼	8¾
REAMED					
CORED					

TALLY

No.		LENGTH
40	STANDS	3744.42
1	SINGLE	31.58
18	D.C.'s	530.93
mud		15.48
Jars		6.90
Wiper		6.90
KHA		16.15
KELLY IN		22.64
TOTAL		4385.50
RAT HOLE TOP		

BIT RECORD

BIT No.	15
SIZE	8¾
MAKE	H-W
TYPE	X55R
SERIAL	29641
JET SIZE	3/13 3/14
FROM	4293
TO	4385
FOOTAGE	142'
HRS.	19
COND.	Run

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: _____ APPROVED: Duncan C Tynan

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE Jan 24/71 — No. 45 DAILY TIME SHEET 3-35 (REV. 1/68)

FIELD or AREA: Hume River — WELL NAME & No. Mobil Oil Hume River L-09 — CONTRACTOR Sst Western LTD — RIG No. IF — No. 45

Well Mobil Hume R. L-09 — Approved _____ Date Jan 24

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
2 A.M.	9.2	37			36	60	64	1250		
4 A.M.	4.2	35								
6 A.M.	4.2	35								
8 A.M.	9.2	37								

LINER SIZE: 5½ STROKE 16"

MUD & CHEMICALS

LBS. Added	KIND
50	CMC
100	Plastex
100	Kelzan

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
10 A.M.	9.3	37	11.6	3/32nds	20	60	69	1250	4237	29°
NOON	9.3	37								
2 P.M.	TRIP									
4 P.M.										

LINER SIZE: 5½ x 14 STROKE

MUD & CHEMICALS

LBS. Added	KIND
50	Gyp
50	Caustic
10	Dewicide

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
6 P.M.										
8 P.M.										
10 P.M.										
12 P.M.										

LINER SIZE: 5½ x 14 STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

WORK RECORD — 12 - 8 TOUR

START	STOP	HRS.	
12⁰⁰	12¹⁵	¼	Rig Service Rig.
12¹⁵	4⁰⁰	3¾	DRLG 8¾ hole.
4⁰⁰	4³⁰	½	Survey @ 4237' - ¾°
4³⁰	8⁰⁰	3½	DRLG 8¾

BOP Tested

DRILLER: R Henley CONTRACTOR'S TIME CO's. TIME

8 - 4 TOUR

START	STOP	HRS.	
8⁰⁰	10⁰⁰	2	Drlg 8¾ hole
10⁰⁰	10¹⁵	¼	Rig Service / Bops / Kelly cock
10¹⁵	10⁴⁵	½	Survey @ 4237 29°
10⁴⁵	12³⁰	1¾	Drlg 8¾ hole
12³⁰	2⁰⁵	1⅝	Hoist
2⁰⁵	2³⁰	½	Rams
2³⁰	2⁴⁵	¼	Change rear bit Reamer cutters
2⁴⁵	3¹⁵	½	Slip 23' drlg line
3¹⁵	4⁰⁰	¾	W/O DC Inspector
			4237 - 29° - NO4E
			TVD 4080.56.

BOP Tested ✓

DRILLER: [illegible] CONTRACTOR'S TIME CO's. TIME

4 - 12 TOUR

START	STOP	HRS.	
4⁰⁰	6³⁰	2½	W/O DC Inspector
6³⁰	12⁰⁰	5½	Rig to: ~~Inspect~~ DC's & Slips

BOP Tested

DRILLER: Roy R. CONTRACTOR'S TIME CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	4174	4226	52	7¼	8¾
REAMED					
CORED					

TALLY

No.		LENGTH
38	STANDS	355.62
2	SINGLE	6.24
18	D.C.'s	530.93
Mount		15.48
Jars		6.90
Subs		7.75
PHA		16.15
KELLY IN		29.19
TOTAL		4232.62
RAT HOLE TOP		

BIT RECORD

BIT No.	14
SIZE	8 3/4
MAKE	HW
TYPE	X55R
SERIAL	29633
JET SIZE	3/13
FROM	3838
TO	4226
FOOTAGE	388
HRS.	6 1/4
COND.	Ran

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	4226	4243	17	3¾	8¾
REAMED					
CORED					

TALLY

No.		LENGTH
	STANDS	
39	SINGLE	364.60
	D.C.'s	
18		530.93
Mount		15.48
Jars		6.90
Subs		6.90
PHA		16.15
KELLY IN		16.17
TOTAL		4243
RAT HOLE TOP		

BIT RECORD

BIT No.	14
SIZE	8¾
MAKE	HW
TYPE	X55R
SERIAL	29633
JET SIZE	3/13
FROM	3838
TO	
FOOTAGE	4243
HRS.	405
COND.	T3

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	4243				8¾
REAMED					
CORED					

TALLY

No.		LENGTH
39	STANDS	364.71
	SINGLE	
18	D.C.'s	530.69
Mount		15.48
Jars		6.90
Subs		6.90
PHA		16.15
KELLY IN		16.17
TOTAL		4243
RAT HOLE TOP		

BIT RECORD

BIT No.	
SIZE	15
MAKE	8¾
TYPE	HW
SERIAL	X55R
JET SIZE	29641
FROM	2/13 1/14
TO	4243
FOOTAGE	
HRS.	
COND.	

REMARKS AND INJURIES:

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	R. Henley	8
DERRICK	D Ziemmer	8
MOTORMAN	W. Slemp.	8
FLOORMAN	A. Williams	8
FLOORMAN	T. Hanson	8
FIREMAN		

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	J. Simms	12
DERRICK	J. Switzyk	12
MOTORMAN	G. Wilson	12
FLOORMAN	D Hebert	12
FLOORMAN	G Kenobi	12
FIREMAN	E. Burbank	12

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER	Roy Smith	4
DERRICK	C. Campbell	4
MOTORMAN	K. Wilson	4
FLOORMAN	A. Jewson	4
FLOORMAN	Lloyd Johnson	4
FIREMAN		

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: [illegible] APPROVED: _____

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE Jan 24/71

No. 44 DAILY TIME SHEET 3-35 (REV. 11/65)

FIELD or AREA: Hume River WELL NAME & No. Mobil Oil Hume River L-44 CONTRACTOR S&T Western LTD. RIG No. I E

No. 44

Well Mobil Hume River L-44

Approved _____ Date Jan 25/

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
2 A.M.	9.3	35			30	60	69	1250	4050	28½
4 A.M.	9.2	36								
6 A.M.	9.2	37								
8 A.M.	9.2	37								

LINER SIZE: 5½ STROKE 14"

MUD & CHEMICALS

LBS. Added	KIND
250	Super Col
50	Celwate
100	Kelzan
50	Plaster

START	STOP	HRS.	WORK RECORD 12 - 8 TOUR
12⁰⁰	12¹⁵	¼	Rig Service / BOPs.
12¹⁵	6.45	6½	DRLG 8¾ Hole
6.45	7.15	½	Survey @ 4080
7.15	8.00	¾	DRLG 8¾ Hole

4080 ft

TVD - 3943

BOP Tested	START	STOP	HRS.	DRILLER: R Hanley CONTRACTOR'S TIME CO's. TIME 8 - 4 TOUR
	8⁰⁰	8.15	¼	Rig Service / BOPs
	8.15	12⁰⁵	4	DLG 8¾ hole
	12⁰⁵	1.15	1	Change Oil in Light plants - (Maintenance)
	1.15	4⁰⁰	2¾	DLG 8¾ hole

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	4043	4083	78	7¾	8¾
REAMED					
CORED					

TALLY No.		LENGTH
37	STANDS	3461.36
1	SINGLE	31.35
18	D.C.'s	570.43
Monel		15.46
1 Wiper		6.90
1 Jars		7.75
1 PHA		16.15
KELLY IN		27.68
TOTAL		4083.08
RAT HOLE TOP		

BIT RECORD	
BIT No.	14
SIZE	8¾
MAKE	HW
TYPE	X55R
SERIAL	29933
JET SIZE	3/13
FROM	3834
TO	4083
FOOTAGE	249
HRS.	47½
COND.	Rerun

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	R Hanley	12
DERRICK	D Zimmer	12
MOTORMAN	W Stemp	12
FLOORMAN	A Williams	12
FLOORMAN	T Hanson	12
FIREMAN		

REMARKS AND INJURIES:

Archie Williams lost end of middle finger in tongs while putting tongs on pipe

MUD RECORD	WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
10 A.M.	9.2	36	19	3/32	30	60	69	1250		
NOON	9.2	37								
2 P.M.	9.2	36								
4 P.M.	9.2	37	15	1/32						

LINER SIZE: 5½ x 14 STROKE

MUD & CHEMICALS

LBS. Added	KIND
250	Super Col
50	Celwate
50	Kelzan
10	Desimyle
50	Caustic

BOP Tested	START	STOP	HRS.	DRILLER: R Hanley CONTRACTOR'S TIME CO's. TIME
	8⁰⁰	8⁰⁵	¼	Rig Service / BOPs
	8⁰⁵	12⁰⁵	4	DLG 8¾ hole
	12⁰⁵	1⁰⁵	1	Change Oil in Light plants - (Maintenance)
	1⁰⁵	4⁰⁰	2¾	DLG 8¾ hole

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	4083	4127	44	7¼	8¾
REAMED					
CORED					

TALLY No.		LENGTH
37	STANDS	3461.36
2	SINGLE	62.00
18	D.C.'s	570.43
Monel		15.46
Wiper		6.90
Jars		7.75
PHA		16.15
KELLY IN		25.48
TOTAL		4127.00
RAT HOLE TOP		

BIT RECORD	
BIT No.	14
SIZE	8¾
MAKE	HW
TYPE	X55R
SERIAL	29933
JET SIZE	3/13
FROM	3834
TO	4127
FOOTAGE	293'
HRS.	54¾
COND.	Rerun

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	[illegible]	12
DERRICK	J Smith	12
MOTORMAN	J Wilson	12
FLOORMAN	G Gilbert	12
FLOORMAN	D Lemke	12
FIREMAN	E Bastock	12

REMARKS AND INJURIES:

MUD RECORD	WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
6 P.M.	9.2	37	19.2	3/32	30	60	69	1350	4142	28½
8 P.M.	9.2	37								
10 P.M.	9.2	37								
12 P.M.										

LINER SIZE: 5½ STROKE 14"

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

BOP Tested	START	STOP	HRS.	DRILLER: [illegible] CONTRACTOR'S TIME CO's. TIME 4 - 12 TOUR
	4⁰⁰	4⁰⁵	¼	Rig Service / BOPs
	4⁰⁵	7⁰⁵	3	DLG 8¾ hole 28½°
	7⁰⁵	7⁴⁵	½	Survey @ 4142 NOSE
	7⁴⁵			DRLG 8¾ hole

TVD 3997.47

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	4127	4174	47		8¾
REAMED					
CORED					

TALLY No.		LENGTH
37	STANDS	3461.36
	SINGLE	
18	D.C.'s	570.43
Monel		15.48
Wiper		6.90
Jars		7.75
PHA		16.15
KELLY IN		41.05
TOTAL		4174.12
RAT HOLE TOP		

BIT RECORD	
BIT No.	14
SIZE	8¾
MAKE	HW
TYPE	X55R
SERIAL	29633
JET SIZE	3/13
FROM	3834
TO	4174
FOOTAGE	340
HRS.	62
COND.	Rerun

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

BOP Tested	DRILLER: [illegible] CONTRACTOR'S TIME CO's. TIME

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: A Balega APPROVED: [signature]

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE Jan 27/71

No. 43 DAILY TIME SHEET 3-35 (REV. 1/68)

FIELD or AREA: Hume River WELL NAME & No. Mobil Oil Hume River 1-A CONTRACTOR T Western LTD. RIG No. T F

No. 43

Well ~~M.O.I. Hume River~~ 1-A

Approved _____ Date Jan 27/71

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
2 A.M.	92	36	17	2/32	25	60	64	1250	3956'	28°
4 A.M.	92	39								
6 A.M.	92	38								
8 A.M.										

LINER SIZE: 5½ STROKE 14"

MUD & CHEMICALS

LBS. Added	KIND
100	Flosten
40	Kwikseal

START	STOP	HRS.	WORK RECORD 12 - 8 TOUR
12⁰⁰	12¹⁵	¼	Rig Serv. & BOPs.
12¹⁵	7³⁰	7¼	DRLG 3¾ m.L.e.
7³⁰	8⁰⁰	½	Servc. @ 3955

3955 - 27¾ - NOZE

BOP Tested ✓ DRILLER: R Henley CONTRACTOR'S TIME CO's. TIME

START	STOP	HRS.	8 - 4 TOUR
6⁰⁰	6¹⁵	¼	Rig Service & BOPs & Kelly Cock
6¹⁵	4⁰⁰	7¾	Drlg 8¾" hole

	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
10 A.M.	93	37	16.8	3/32	26	60	69	1350	4017	35¼
NOON	93	36								
2 P.M.	93	37			30	60				
4 P.M.	93	38	16.6	3/32						

LINER SIZE: 5½ x 14 STROKE

MUD & CHEMICALS

LBS. Added	KIND
500	Gel
50	Quantity
50	Kelgard
10	Soda Ash

BOP Tested ✓ DRILLER: R Henley CONTRACTOR'S TIME CO's. TIME

START	STOP	HRS.	4 - 12 TOUR
4⁰⁰	6⁰⁵	2	Drlg 8½" hole
6⁰⁵	7⁰⁰	¾	Rig Service & BOPs
7⁰⁰	7³⁰	½	Survey @ 4017
7³⁰	12⁰⁰	4½	Drlg 8½" hole

	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
6 P.M.	93	37			30	60	69	1350	4017	24½
8 P.M.										
10 P.M.	93	37								
12 P.M.	93	35								

LINER SIZE: 5½ STROKE 14"

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

BOP Tested ✓ DRILLER: _____ CONTRACTOR'S TIME CO's. TIME

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: B Balenya APPROVED: [signature]

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	3923	3969	46	7¼	8¾
REAMED					
CORED					

TALLY No.		LENGTH
36	STANDS	3368.91
1	SINGLE	30.54
18	D.C.'s	530.13
Wiper		6.90
Jars		7.75
PHA		16.15
KELLY IN		22.48
TOTAL		3953.10
RAT HOLE TOP		

BIT RECORD	
BIT No.	1-1
SIZE	8¾
MAKE	HW
TYPE	X55R
SERIAL	24633
JET SIZE	3/13
FROM	3938
TO	3969
FOOTAGE	31
HRS.	2¼
COND.	Run

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	R. Henley	12
DERRICK	D. Ziemmer	12
MOTORMAN	W. Skrapa	12
FLOORMAN	A. Williams	12
FLOORMAN	T. Hansen	12
FIREMAN		

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	3969	4601	32	7¼	8¾
REAMED					
CORED					

TALLY No.		LENGTH
36	STANDS	3368.91
1	SINGLE	30.54
18	D.C.'s	530.93
Kelly		15.48
Wiper		6.90
Jars		7.75
PHA		16.15
KELLY IN		22.04
TOTAL		4001.80
RAT HOLE TOP		

BIT RECORD	
BIT No.	14
SIZE	8¾
MAKE	HW
TYPE	X55R
SERIAL	24633
JET SIZE	3/13
FROM	3838
TO	4001
FOOTAGE	163
HRS.	33
COND.	Run

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	[illegible]	12
DERRICK	J Switlyk	12
MOTORMAN	J Tetlock	12
FLOORMAN	D Hiebert	12
FLOORMAN	F. Klassen	12
FIREMAN	B Burtnik	12

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	4001	4601	600	7¼	6¾
REAMED					
CORED					

TALLY No.		LENGTH
36	STANDS	3368.91
1	SINGLE	30.54
18	D.C.'s	530.93
Kelly		15.48
Wiper		6.90
Jars		7.75
PHA		16.15
KELLY IN		22.04
TOTAL		4001.80
RAT HOLE TOP		

BIT RECORD	
BIT No.	14
SIZE	8¾
MAKE	HW
TYPE	X55R
SERIAL	24633
JET SIZE	3/13
FROM	3838
TO	4001
FOOTAGE	163
HRS.	40½
COND.	Run

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE Jan 21/81 — No. 41 DAILY TIME SHEET 3-25 (REV. 1/68)

FIELD or AREA: Hamer River — WELL NAME & No. Mobil Oil Hume River L-09 — CONTRACTOR S&T Western LTD. No. 42 — RIG No. IE — Well Mobil Hume River L-09 — Approved _____ Date Jan 21/81

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
2 A.M.	Air									
4 A.M.					15	60	69	1700		
6 A.M.	9.2	36			20	60	69	1700		
8 A.M.										

LINER SIZE: 5½ STROKE 14

MUD & CHEMICALS

LBS. Added	KIND

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
10 A.M.	9.2	35	17.8	1/32	20	60	69	1250	3860	26
NOON	9.2	38			35					
2 P.M.	9.2	37								
4 P.M.	9.2	37	17.6	1/32						

LINER SIZE: 5½ x 14 STROKE

MUD & CHEMICALS

LBS. Added	KIND
500	Bl
50	Plexlose
50	Hulgel
50	Caustic
10	Soda Ash

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
6 P.M.	9.2	37	17.6	1/32	25	60	69	1250	3923	26 1/4
8 P.M.	9.2	36								
10 P.M.	9.2	36								
12 P.M.	9.2	36								

LINER SIZE: 5½ x 14 STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

WORK RECORD — 12 - 8 TOUR

START	STOP	HRS.	
12	1430	2½	Trip out C.P.I
1430	1500	½	Rig Serv + BOP
1500	1700	2	Make up Bit + New Stab. collars
1700	1830	1½	Run In w/ B.T #14.
1830	1900	½	Clean 20' to Bottom.
1900	0800	13	DRLG. 8¾ hole.

New Bit Reamed - IBS @ 20' NRS @ 50'

BOP Tested

DRILLER: R Hanley — CONTRACTOR'S TIME — CO's. TIME

START	STOP	HRS.	
800	1030	2½	Drlg 8¾ hole
1030	1045	¼	Rig Service + BOP's + Hubbard cock
1045	1115	½	Survey @ 3860 26°
1115	400	4¾	Drlg 8¾ hole

3860 - 26 - NOSE

TVD. 3749.04

BOP Tested

DRILLER: D Ziemann — CONTRACTOR'S TIME — CO's. TIME

START	STOP	HRS.	
400	600	2	Drlg 8¾ hole
600	615	¼	Rig Service + BOP's + Hubbard cock
6	1130	3¾	Drlg 8¾ hole
1130	12	½	Survey @ 3923

3923 - 26¼ NOSE

TVD - 3805.30

BOP Tested

DRILLER: _____ CONTRACTOR'S TIME — CO's. TIME

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST Rig

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: M Halcrow APPROVED: G.C. Moore.

12 - 8 TOUR

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	3836	3936	13	3½	8¾
REAMED					
CORED					

TALLY No.		LENGTH
3-1	STANDS	3771.4
2	SINGLE	12.4
1½	D.C.'s	62.93
1M	Monel	15.49
1	Pup	6.90
1	Jars	7.95
1	PHA	16.15
	KELLY IN	7.17
	TOTAL	3754.1
	RAT HOLE TOP	

BIT RECORD	
BIT No.	#14
SIZE	8¾
MAKE	HW
TYPE	X55R
SERIAL	29633
JET SIZE	3/13
FROM	3836
TO	3936
FOOTAGE	100
HRS.	3½
COND.	1-1-WT

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	P Hanley	12
DERRICK	D Ziemann	12
MOTORMAN	W.S Lemp	12
FLOORMAN	A. Williams	12
FLOORMAN	T Hansen	12
FIREMAN		

REMARKS AND INJURIES:

8 - 4 TOUR

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	3951	3882	37	9¼	8¾
REAMED					
CORED					

TALLY No.		LENGTH
35	STANDS	
	SINGLE	
18	D.C.'s	530.93
	Monel	15.49
	Pup	6.90
	Jars	7.95
	PHA	16.15
	KELLY IN	30.60
	TOTAL	3882.00
	RAT HOLE TOP	

BIT RECORD	
BIT No.	14
SIZE	8¾
MAKE	HW
TYPE	X55R
SERIAL	29633
JET SIZE	3/13
FROM	3836
TO	3882
FOOTAGE	44
HRS.	10¾
COND.	

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	M Hanley	12
DERRICK	J Smithyk	12
MOTORMAN	S Wilson	12
FLOORMAN	D Hulmt	12
FLOORMAN	J Hinchs	12
FIREMAN	B Bentinck	12

REMARKS AND INJURIES:

4 - 12 TOUR

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	3882	3923	41	7½	8¾
REAMED					
CORED					

TALLY No.		LENGTH
35	STANDS	3274.19
1	SINGLE	31.26
1½	D.C.'s	62.93
	Monel	15.49
	Pup	6.90
	Jars	7.95
	PHA	16.15
	KELLY IN	41.05
	TOTAL	3423.76
	RAT HOLE TOP	

BIT RECORD	
BIT No.	14
SIZE	8¾
MAKE	HW
TYPE	X55R
SERIAL	29633
JET SIZE	3/13
FROM	3836
TO	3923
FOOTAGE	87
HRS.	16
COND.	

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE Jan 25/71

No. 41 DAILY TIME SHEET 3-35 (REV. 1/68)

FIELD or AREA: Hume River WELL NAME & No. Mobil Oil Hume River L-09 CONTRACTOR Sxt Western LTD. No. 41 RIG No. IE

Well Mobil Hume River L-09. Approved _____ Date Jan 25/

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
2 A.M.	9.2	35			15	50	69	1250	3736	23½
4 A.M.	9.2	37								
6 A.M.	9.2	36								
8 A.M.										

LINER SIZE: 5½ STROKE 14"

MUD & CHEMICALS

LBS. Added	KIND
50	Caustic
10	Dowicid "B"
500	Gel
100	Pelgel
50	Kelzan

START	STOP	HRS.	WORK RECORD — 12 - 8 TOUR
12⁰⁰	12¹⁵	¼	Rig Serv. & BOPs.
12¹⁵	4⁴⁵	4½	DRLG. 8¾ hole
4⁴⁵	5¹⁵	½	Survey @ 3796.
5¹⁵	8⁰⁰	2¾	DRLG 8¾ hole.

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	3721	3750	29	7¼	8¾
REAMED					
CORED					

TALLY

No.		LENGTH
33	STANDS	3086.65
2	SINGLE	63.04
18	D.C.'s	530.93
Monel		15.48
Jars		6.40
Wiper		7.75
P.H.A.		16.15
KELLY IN		23.10
TOTAL		3750
RAT HOLE TOP		

BIT RECORD

BIT No.	RR #10
SIZE	8¾
MAKE	HW.
TYPE	J44
SERIAL	CM271
JET SIZE	3/13
FROM	3517
TO	
FOOTAGE	
HRS.	41¾
COND.	Run

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	R Henkey	12
DERRICK	D Ziemmer	12
MOTORMAN	W. Stemp	12
FLOORMAN	A Williams.	12
FLOORMAN	T Hanson.	12
FIREMAN		

REMARKS AND INJURIES:

10 A.M.	9.2	37	16.2	3/4	20	60	69	1250		
NOON	9.2	36								
2 P.M.	9.2	35								
4 P.M.	9.2	37	18	3/4						

LINER SIZE: 5½ x 14 STROKE

MUD & CHEMICALS

LBS. Added	KIND
500	Gel
50	Caustic
50	Pelgel
50	Kelzan

BOP Tested ✓ DRILLER: B. Hanley CONTRACTOR'S TIME CO's. TIME 8 - 4 TOUR

START	STOP	HRS.	
8⁰⁰	11³⁰	3½	Drlg 8¾" hole
11³⁰	11⁴⁵	¼	Rig Service / B.O.ps / Kelly cock
11⁴⁵	16⁰⁰	5¼	Drlg 8¾" hole

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	3750	3794	44	7¾	8¾
REAMED					
CORED					

TALLY

No.		LENGTH
33	STANDS	3179.69
	SINGLE	
18	D.C.'s	530.93
Monel		15.48
Jars		6.90
Wiper		7.75
P.H.A.		16.15
KELLY IN		37.10
TOTAL		3794.00
RAT HOLE TOP		

BIT RECORD

BIT No.	RR #10
SIZE	8¾
MAKE	HW
TYPE	J44
SERIAL	CM271
JET SIZE	3/13
FROM	3517
TO	3796
FOOTAGE	279'
HRS.	49½
COND.	Run

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	B Hanley	12
DERRICK	J Smithyk	12
MOTORMAN	D Wilson	12
FLOORMAN	D. Hickey	12
FLOORMAN	D Kenzie	12
FIREMAN	A. Bentinck	12

REMARKS AND INJURIES:

6 P.M.	9.2	37			35	60	69	1250	3797	24¼
8 P.M.										
10 P.M.	9.2	37								
12 P.M.										

LINER SIZE: 5½ x 14 STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

BOP Tested ✓ DRILLER: D Hanley CONTRACTOR'S TIME CO's. TIME 4 - 12 TOUR

START	STOP	HRS.	
4⁰⁰	4³⁰	½	Drlg 8¾" hole
4³⁰	4⁴⁵	¼	Rig Service, Bops
4⁴⁵	5¹⁵	½	Survey @ 3797
5¹⁵	9⁴⁵	3½	Drlg 8¾ hole
8⁴⁵	9¹⁵	½	Survey @ 3829.
9¹⁵	11⁰⁰	1¾	D.R.L.G. 8¾
11⁰⁰	12⁰⁰	1	Trip out.

3B29 - 25 3/4 - NOSE

TVD. 3719.38

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	3794	3834	144		
REAMED					
CORED					

TALLY

No.		LENGTH
	STANDS	
34	SINGLE	1317.83
18	D.C.'s	530.93
1 Monel		15.48
Wiper		6.90
Jars		7.75
P.H.A.		16.15
KELLY IN		14.27
TOTAL		3834
RAT HOLE TOP		

BIT RECORD

BIT No.	RR 10
SIZE	8 3/4
MAKE	Hugh
TYPE	J 44
SERIAL	CM 271
JET SIZE	3/13
FROM	3517
TO	3834
FOOTAGE	321
HRS.	54¼
COND.	111

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: A Belanger APPROVED: D C Moore

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE Jan 24/-1

No. 40 DAILY TIME SHEET 3-25 (REV. 11/68)

FIELD or AREA: Hume River WELL NAME & No. Mobil Oil Hume River L-09 CONTRACTOR: 32 Western LTD. No. 40 RIG No. IE

Well Mobil Hume River L-09

Approved _____ Date Jan. 24/

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
2 A.M.	9.3	36			30	45	64	1700	3632	21¼
4 A.M.	9.3	34							3664	
6 A.M.	9.3	38								
8 A.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND
50	Cantex
100	Plaster
100	Wilgam
10	Desteride B

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP 2 SPM	PUMP 2 PRESS	DEVIATION DEPTH	DEG.
10 A.M.	9.2	36			15	50	69	1300		
NOON	9.2	36								
2 P.M.	9.2	36	11.5	3/32						
4 P.M.	9.2	35								

LINER SIZE: 5½ x 14 STROKE

MUD & CHEMICALS

LBS. Added	KIND
100	Plaster

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
6 P.M.					15	50	64	1250		
8 P.M.										
10 P.M.	9.2	35								
12 P.M.	9.2	35								

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE: _____ TOOL PUSHER: _____ APPROVED: _____

WORK RECORD — 12 - 8 TOUR

START	STOP	HRS.	
12	2¹⁵	2¼	DRLG 8¾ hole
2¹⁵	2⁴⁵	½	Survey @ 3632
2⁴⁵	3⁰⁰	¼	Rig Serv. & BOPs.
3⁰⁰	7⁰⁰	4	DRLG 8¾ hole
7⁰⁰	7³⁰	½	Survey @ 3664
7³⁰	8⁰⁰	½	DRLG 8¾ hole.

3632 - 21¼ - NOSE TVD 3590.99

3664 - 22½ NOSE TVD 3570.50

BOP Tested — DRILLER: R Tenby — CONTRACTOR'S TIME — CO's. TIME

8 - 4 TOUR

START	STOP	HRS.	
8⁰⁰	8¹⁵	¼	Rig Service & BOPs & Kelly Cock
8¹⁵	4⁰⁰	7¾	Drlg 8¾ hole

BOP Tested ✓ — DRILLER: G Holmes — CONTRACTOR'S TIME — CO's. TIME

4 - 12 TOUR

START	STOP	HRS.	
4⁰⁰	4¹⁵	¼	Rig Service & BOPs
4¹⁵	7⁰⁰	2¾	Drlg 8¾" hole
7⁰⁰	7³⁰	½	Survey @ 3705 - 22¾ NOSE
7³⁰	12⁰⁰	4½	DRLG 8¾ hole

3705 - 22¾ - NOSE - TVD 3606.51

BOP Tested ✓ — DRILLER: Bailey & R.T. — CONTRACTOR'S TIME — CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	2621	3678	57	6¾	8¾
REAMED					
CORED					

TALLY

No.		LENGTH
33	STANDS	3088.45
	SINGLE	
18	D.C.'s	529.97
1	Monel	15.48
1	Sub	6.90
1	Wipers	7.75
	P.H.A	16.15
	KELLY IN	14.14
	TOTAL	3674
	RAT HOLE TOP	

BIT RECORD

BIT No.	RR 1
SIZE	8¾
MAKE	H.W.
TYPE	J44
SERIAL	6M271
JET SIZE	3/13
FROM	3517
TO	3674
FOOTAGE	157
HRS.	19½
COND.	Rec

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	R. Henley	12
DERRICK	D Ziemmer	12
MOTORMAN	W Slemp.	12
FLOORMAN	A Williams	12
FLOORMAN	T Hanson	12
FIREMAN		

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	3678	3696	18	7¾	8¾
REAMED					
CORED					

TALLY

No.		LENGTH
33	STANDS	3086.65
	SINGLE	
18	D.C.'s	530.93
1	Monel	15.48
1	Sub	6.90
1	Wipers	7.75
	P.H.A	16.15
	KELLY IN	32.10
	TOTAL	3696.00
	RAT HOLE TOP	

BIT RECORD

BIT No.	RR 1
SIZE	8¾
MAKE	H W
TYPE	J44
SERIAL	6M271
JET SIZE	3/13
FROM	3517
TO	3696
FOOTAGE	179
HRS.	27¼
COND.	Rec

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	G Holmes	12
DERRICK	J. Swift	12
MOTORMAN	D. Nelson	12
FLOORMAN	B. Heiberg	12
FLOORMAN	C Hendry	12
FIREMAN	S Dustnik	12

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	3696	3721	27	7¼	8¾
REAMED					
CORED					

TALLY

No.		LENGTH
33	STANDS	3086.65
1	SINGLE	31.76
18	D.C.'s	530.93
1	Monel	15.48
1	Sub	6.90
1	Wipers	7.75
	P.H.A	16.15
	KELLY IN	25.75
	TOTAL	3721
	RAT HOLE TOP	

BIT RECORD

BIT No.	RR 1
SIZE	8¾
MAKE	H W
TYPE	J44
SERIAL	6M271
JET SIZE	3/13
FROM	3517
TO	3721
FOOTAGE	204
HRS.	34½
COND.	Rec

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE Jan 22/71

No. 39 DAILY TIME SHEET 3-35 REV. 11/68

FIELD or AREA: Home River WELL NAME & No. Mobil Oil Home River L-09 CONTRACTOR Gulf Western LTD No. 39 RIG No. I E

Well Mobil Home River L-09

Approved _____ Date Jan 22

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
2 A.M.	9.3	37			2	52	64	1700	3515	
4 A.M.										
6 A.M.										
8 A.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND
50	Plaster
100	Kelzan

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
10 A.M.	9.3	37			35	48	69	1300		
NOON	9.3	36	KCl	3/4						
2 P.M.	9.3	36								
4 P.M.	9.3	37	KCl	3/4						

LINER SIZE: 6 1/2 x 14 STROKE

MUD & CHEMICALS

LBS. Added	KIND
50	Caustic
100	Plaster

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
6 P.M.	9.3	36			30	45	69	1300	3581	20°
8 P.M.	9.3	36								
10 P.M.	9.3	36								
12 P.M.	9.3	36								

LINER SIZE: 5 7/8 x 14 STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: V Valenza APPROVED: L Lisenko

WORK RECORD — 12 - 8 TOUR

START	STOP	HRS.	
12[00]	1.30	1½	DRLG. 8¾ hole.
1.30	1.45	¼	R.g Serv. & B.O.P.s.
1.45	2.15	½	Survey @ 3515
2.15	3.00	1	DRLG. 8¾ hole.
3.00	8.00	4¾	Trip out of 11 hole and 7 singles.

3515 - 18 3/4° - N 05E

TVD - 3431.90

BOP Tested — DRILLER: R. Henley — CONTRACTOR'S TIME — CO's. TIME

8 - 4 TOUR

START	STOP	HRS.	
8.00	8.15	¼	Ream 3 joints up last stand
8.15	8.30	¼	Rig Service
8.30	10.00	1½	Rig up Cementers Ltd. Cement with 385 sx 20 BWS & 50
10.00	10.30	½	Cleaning mud tanks
10.30	4.00	5½	Drlg 8¾ hole

BOP Tested ✓ — DRILLER: C Henley — CONTRACTOR'S TIME — CO's. TIME

4 - 12 TOUR

START	STOP	HRS.	
4.00	4.15	¼	Rig Service + BOPs + Kelly Cock
4.15	6.45	2½	Drlg 8¾ hole
6.45	7.15	½	Survey @ 3581
7.15	12.00	4¾	Drlg 8¾ hole

3580 - 20° - N 05E

TVD - 3492 - 98

BOP Tested ✓ — DRILLER: Day P Shift — CONTRACTOR'S TIME — CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	3509	3517	8		
REAMED					
CORED					

TALLY No.		LENGTH
31	STANDS	290278
1	SINGLE	7160
18	D.C.'s	530.93
1	Monel	15.48
1	Jar	7.75
1	Bit Sub	6.90
1	PHA	16.15
	KELLY IN	15.17
	TOTAL	3517
	RAT HOLE TOP	

BIT RECORD	
BIT No.	ARJ3A
SIZE	8 3/4
MAKE	H.W.
TYPE	J 44
SERIAL	CM271
JET SIZE	3/3
FROM	3442
TO	3517
FOOTAGE	75'
HRS.	9½
COND.	1-1

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	K. Henley	12
DERRICK	D Ziemmer	12
MOTORMAN	W Slemp	12
FLOORMAN	A. Williams	12
FLOORMAN	T. Hansen	12
FIREMAN		

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	3517	3557	40'	5½	8 3/4
REAMED					
CORED					

TALLY No.		LENGTH
31	STANDS	290278
2	SINGLE	14.80
18	D.C.'s	530.93
Ground		15.48
Jar		7.75
Bit Sub		6.90
PHA		16.15
	KELLY IN	15.17
	TOTAL	3557
	RAT HOLE TOP	

BIT RECORD	
BIT No.	RR#11
SIZE	8 3/4
MAKE	H.W.
TYPE	J44
SERIAL	CM271
JET SIZE	3/13
FROM	3492
TO	
FOOTAGE	65
HRS.	15
COND.	Pull

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	C Henley	12
DERRICK	J Switzke	12
MOTORMAN	J Lefebvre	12
FLOORMAN	G Hebert	12
FLOORMAN	J Kendig	12
FIREMAN	B Benoit	12

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	3557	3621	64	7½	8¾
REAMED					
CORED					

TALLY No.		LENGTH
32	STANDS	299489
1	SINGLE	2472
18	D.C.'s	530.93
1	Monel	15.48
1	Jar	7.75
1	Bit Sub	6.90
1	PHA	16.15
	KELLY IN	15.74
	TOTAL	3621.00
	RAT HOLE TOP	

BIT RECORD	
BIT No.	RR#11
SIZE	8¾
MAKE	H.W.
TYPE	J44
SERIAL	CM271
JET SIZE	3/13
FROM	3492
TO	3621
FOOTAGE	129
HRS.	22¼
COND.	Pull

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

Mobil Oil Canada, Ltd.
DAILY DRILLING REPORT

DATE Jan 27/71

No. 32 DAILY TIME SHEET 3-35 (REV. 1/68)

FIELD or AREA: Home Bear WELL NAME & No. Mobil Oil Home Bear L-64 CONTRACTOR Sat Drilling Western LTD RIG No. 11 No. 28

Well Mobil Home Bear L-64 Approved _____ Date Jan 27/71

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
2 A.M.	9.3	36	12.2	3/32	38	45	69	1400	3385	17°
4 A.M.	9.3	36								
6 A.M.	9.3	38								
8 A.M.										

LINER SIZE: 5 1/2 STROKE 14

MUD & CHEMICALS

LBS. Added	KIND
1000	Gel
50	Caustic
50	Kelgan
10	Desimide B.

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
10 A.M.	9.3	37	11.6	3/32	38	48	69	1450	3458	18
NOON	9.3	37							3499	18½
2 P.M.										
4 P.M.										

LINER SIZE: 5 1/2 STROKE 14

MUD & CHEMICALS

LBS. Added	KIND
	Started

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
6 P.M.					20	52	69	1300		
8 P.M.										
10 P.M.	9.334	11.	2/32							
12 P.M.	9.3	36								

LINER SIZE: 5 1/2 STROKE 14

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

WORK RECORD — 12 - 8 TOUR

START	STOP	HRS.	
12:00	1:00	1	DRLG 8¾ hole
1:00	2:00	½	Rig Service - Lubricate
2:00	2:30	½	Survey @ 3385'
2:30	4:00	1½	DRLG 8¾ hole

BOP Tested ✓ DRILLER: R. Thompson CONTRACTOR'S TIME CO's. TIME

8 - 4 TOUR

START	STOP	HRS.	
8:00	8:15	¼	Rig Service - ✓ Bops - Kelly cocks
8:15	9:00	¾	Drlg 8¾ hole
9:00	9:30	½	Survey @ 3458 - 18°
9:30	12:30	3	Drlg 8¾ hole
12:30	1:00	½	Survey @ 3488 - 18½°
1:00	1:30	½	Drlg 8¾ hole
1:30	3:15	1¾	Hoist - Preposition Stabs - Lay down bit Reamer
3:15	3:30	¼	✓ Bops - Make up bit Reamer #10 - J44
3:30	4:00	½	Ream In - Preposition Stabs IBS @ NRS 70'

Dropped bit Reamer

BOP Tested ✓ DRILLER: R. Thompson CONTRACTOR'S TIME CO's. TIME

4 - 12 TOUR

START	STOP	HRS.	
4:00	4:45	¾	Finish Ream In / bit #RR10
4:45	5:00	¼	Rig Service / Bops
5:00	12	7	Drlg 8¾ hole

BOP Tested ✓ DRILLER: CONTRACTOR'S TIME CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	3279	3447	168'	7½	8¾
REAMED					
CORED					

TALLY

No.		LENGTH
30	STANDS	2818.74
1	SINGLE	31.74
17	D.C.'s	473.93
1	Monel	30.45
1	Sub	7.75
	Swivel	6.50
	Block Line	16.13
	KELLY IN	30.21
	TOTAL	3447
	RAT HOLE TOP	

BIT RECORD

BIT No.	RR 13
SIZE	8¾
MAKE	Smith
TYPE	MJS
SERIAL	GL5017
JET SIZE	3/12
FROM	3337
TO	3447
FOOTAGE	110
HRS.	12½
COND.	R-1

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	R. Thompson	12
DERRICK	D. Zwicker	12
MOTORMAN	W. Sharp	12
FLOORMAN	A. Hillaby	12
FLOORMAN	T. Hall	12
FIREMAN		

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	3447	3492	45'	4¼	5¾
REAMED					
CORED					

TALLY

No.		LENGTH
31	STANDS	2902.78
	SINGLE	
18	D.C.'s	530.93
	Swivel	15.48
	Sub	11.25
	Jars	7.75
	Saver	6.50
	KELLY IN	16.91
	TOTAL	3492.00
	RAT HOLE TOP	

BIT RECORD

BIT No.	RR 13	RR 10
SIZE	8¾	8¾
MAKE	MJS	HW
TYPE	Smith	J44
SERIAL	30317	CM271
JET SIZE	3/12	3/13
FROM	3337	3457
TO	3492	
FOOTAGE	155'	
HRS.	16½	
COND.	2-2-I	

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	R. Thompson	12
DERRICK	O. Smith	12
MOTORMAN	J. Watson	12
FLOORMAN	D. Hibbert	12
FLOORMAN	J. Kerr	12
FIREMAN	B. Bartlett	12

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	3447	3509	17	7	8¾
REAMED					
CORED					

TALLY

No.		LENGTH
31	STANDS	2902.78
	SINGLE	
	D.C.'s	530.93
Monel		16.48
Jars		7.75
Swivel		6.50
Packed		11.25
KELLY IN		34.00
TOTAL		3509.69
RAT HOLE TOP		

BIT RECORD

BIT No.	RR 10
SIZE	8¾
MAKE	HW
TYPE	J44
SERIAL	CM271
JET SIZE	3/13
FROM	3457
TO	
FOOTAGE	
HRS.	
COND.	

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: B. Halcro APPROVED: R. Thompson

Mobil Oil Canada, Ltd.
DAILY DRILLING REPORT

DATE Jan 31/71

No. 37 DAILY TIME SHEET 3-35 (REV. 1/68)

Well Hare Hills L-64

FIELD or AREA: Hare River WELL NAME & No. Mobil Hare River L-64 CONTRACTOR Sat Western LTD RIG No. 1E No. 37

Approved _____ Date Jan 31/71

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
2 A.M.	9.2	36			5		11	1400	3327	
4 A.M.	9.2	37								
6 A.M.	9.2	37								
8 A.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND
250	Super Col
50	Caustic
100	Kelzan

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
10 A.M.	T									
NOON		TP								
2 P.M.										
4 P.M.	9.2	36								

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND
100	PLASTER

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
6 P.M.					38	48	69	1450	3354	
8 P.M.					"	"	"	"		
10 P.M.					"	"	"	"		
12 P.M.					"	"	"	"		

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND	LES.	ON HAND

WORK RECORD — 12 - 8 TOUR

START	STOP	HRS.	
12	12	½	Rig Service
12	5	5½	Drlg 8¾ hole f/ 3305 to 3327
5	7	1½	Survey @ 3327
7	8	½	Pump out 4 singles.

3305 18¾ N15E

3354 17¼ N

Hole in good shape

DRILLER: K. H. CONTRACTOR'S TIME CO's. TIME

BOP Tested

8 - 4 TOUR

START	STOP	HRS.	
8	9:30	1½	Trip f/ Log down Dyna drill
9:30	9:45	¼	Rig Service / BOPE
9:45	11	1¼	Trip in. Ream 3 stds to bottom. Wiper trip
11	3	3½	Running from 3114 ft Wireline Log ft Tools
3	4	1	Cement 4½ liner & 8¾ hole

Made 4.85 Correction on Tally and Directional office Hrs

Virtual Depth was 3342

Strap out 3342.74

Tally 3337.89

Diff 4.85

DRILLER: [illegible] CONTRACTOR'S TIME CO's. TIME

BOP Tested

4 - 12 TOUR

START	STOP	HRS.	
4	6:30	2½	Running & Cementing 4½ liner to 8¾ hole
6:30	9	2¼	Drlg 8¾ hole
9	9:15	¼	Survey @ 3354
9:15	12	2¾	Drlg 8¾ hole

Change Rud's Liners in 1 1390 Triplex Side

DEPTH 3354' - TV 3337.40 - 17¼ N

453.71' N. + 68.03 W.

DRILLER: [illegible] CONTRACTOR'S TIME CO's. TIME

BOP Tested

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	33[illegible]	3337	[illegible]365	5½	8¾
REAMED			311		
CORED					

TALLY

No.		LENGTH
73	STANDS	3047.72
	SINGLE	
6	D.C.'s	175[illegible]
1	[illegible]	15[illegible]
1	[illegible]	14[illegible]
1	[illegible]	60 1.00
1	[illegible]	1[illegible]
KELLY IN		41[illegible]
TOTAL		3337
RAT HOLE TOP		

BIT RECORD

BIT No.	RR 2
SIZE	8¾
MAKE	Chr[illegible]
TYPE	[illegible]
SERIAL	[illegible]3764
JET SIZE	
FROM	3294
TO	3337
FOOTAGE	43
HRS.	3½
COND.	

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	3337				
REAMED					
CORED					

TALLY

No.		LENGTH
29	STANDS	1[illegible].16
1	SINGLE	2[illegible]
14	D.C.'s	5303.53
Monel		15.48
Sub		7.75
Stiffener		6.90
Kelly Bushing		16.15
KELLY IN		
TOTAL		
RAT HOLE TOP		

BIT RECORD

BIT No.	
SIZE	
MAKE	
TYPE	
SERIAL	
JET SIZE	
FROM	
TO	
FOOTAGE	
HRS.	
COND.	

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	3337	3379	42	5	8¾
REAMED					
CORED					

TALLY

No.		LENGTH
29	STANDS	2[illegible].11.4
2	SINGLE	1 26.5
14	D.C.'s	5303.53
Monel		15.48
Sub		7.75
Wiper		6.90
Kelly Bushing		16.15
KELLY IN		25
TOTAL		3379
RAT HOLE TOP		

BIT RECORD

BIT No.	RR "3
SIZE	8¾
MAKE	Smith
TYPE	ATJS
SERIAL	EB917
JET SIZE	3/22
FROM	3337
TO	3379
FOOTAGE	42
HRS.	5
COND.	Run

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	R. Hoole	12
DERRICK	D Zinn	12
MOTORMAN	W Storey	12
FLOORMAN	A Williams	12
FLOORMAN	T Hans	12
FIREMAN		

REMARKS AND INJURIES:

Tour 2	8 A.M. to 4 P.M.	Hrs
DRILLER	[illegible]	12
DERRICK	[illegible]	12
MOTORMAN	G Wipper	12
FLOORMAN	[illegible]	12
FLOORMAN	[illegible]	12
FIREMAN	[illegible]	12

REMARKS AND INJURIES:

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: [illegible] APPROVED [illegible]

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE ~~Jan 1~~ JAN 20/70 No. 36 DAILY TIME SHEET 3-35 (REV. 1/66)

FIELD or AREA: Hume River WELL NAME & No. Mobil Oil Hume River L-01 CONTRACTOR 52T Western LTD. No. 36 RIG No. IF Well Mobil Hume River L-01 Approved _____ Date Jan 21

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEVIATION DEG.
2 A.M.							68	~~700~~		
4 A.M.										
6 A.M.	9.3	37								
8 A.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEVIATION DEG.
10 A.M.	9.3	37	14.2	2/32	6	—	68	950		
NOON	9.3	36								
2 P.M.	9.3	38								
4 P.M.	9.3	37	15	2/32						

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND
500	Del
100	Caustic
50	Flocele
10	Dowsicide B
50	Kelzan

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEVIATION DEG.
6 P.M.	9.3	38	15.2	2/32	6	—	69	1825	3275	
8 P.M.	9.2	37							20 NOE	
10 P.M.	9.2	36								
12 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER A B Halcrow APPROVED _____

WORK RECORD — 12 - 8 TOUR

START	STOP	HRS.	
12⁰⁰	2⁴⁵	2¾	Trip out for Dyna Drill
2⁴⁵	4⁰⁰	1¼	Picked up Dyna Drill 2 Rubs 10.
4⁰⁰	4⁴⁵	¾	Clean to Bt.
4⁴⁵	6¹⁵	1½	Orienting Dyna Drill
6¹⁵	8⁰⁰	1¾	DRLG 6¾ hole w/ Dyna Drill.

CHECK CO motor SHUTOFFS

BOP Tested

DRILLER: R Henley · CONTRACTOR'S TIME · CO's. TIME

8 - 4 TOUR

START	STOP	HRS.	
8⁰⁰	2⁴⁵	6¾	Drlg 6¾ hole w/ Dyna drill
2⁴⁵	4⁰⁰	1¼	Surveying - Ran ✓ shot

3275 N16E 20°

Held Blowout drill while Surveying

BOP Tested

DRILLER: P Williams CONTRACTOR'S TIME CO's. TIME

4 - 12 TOUR

START	STOP	HRS.	
4⁰⁰	4⁴⁵	¾	Rig Service ✓ B.O.P.'s
4⁴⁵	5⁰⁰	¼	Ream ✓ Shot Survey
5⁰⁰	11⁰⁰	6	Drlg 6¾ hole w/ Dyna drill
11⁰⁰	11³⁰	½	Survey @ 3275
11³⁰	12⁰⁰	½	Drlg 6¾ hole w/ Dyna drill

BOP Tested

DRILLER: CONTRACTOR'S TIME CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	3244	3249	5	1¼	6¾
REAMED					
CORED					

TALLY No.		LENGTH
82	STANDS	2971.98
1	SINGLE	31.65
6	D.C.'s	175.44
1	M.I.	15.48
		1.80
Kelly up		80
1	PT	1.10
KELLY IN		41.00
TOTAL		3249
RAT HOLE TOP		

BIT RECORD

BIT No.	RR 2
SIZE	8 3/4
MAKE	Chris
TYPE	D
SERIAL	K137014
JET SIZE	
FROM	3244
TO	3249
FOOTAGE	5
HRS.	1¾
COND.	Run

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	R. Henley	12
DERRICK	D Ziemann	12
MOTORMAN	W Shemp	12
FLOORMAN	A Williams	12
FLOORMAN	T Hanson	12
FIREMAN		

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	3249	3274	25	6¾	6¾
REAMED					
CORED					

TALLY No.		LENGTH
32	STANDS	2899.98
1	SINGLE	31.65
6	D.C.'s	175.44
		15.48
		1.80
		80
Kelly Up		19.45
KELLY IN		41.00
TOTAL		3274
RAT HOLE TOP		

BIT RECORD

BIT No.	RR 2
SIZE	6¾
MAKE	Chris
TYPE	D
SERIAL	K137014
JET SIZE	
FROM	3244
TO	3275
FOOTAGE	31
HRS.	8½
COND.	Run

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	R Henley	12
DERRICK	D Ziemann	12
MOTORMAN	W Shemp	12
FLOORMAN	A Williams	12
FLOORMAN	T Hanson	12
FIREMAN	A Bartuck	12

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	3274	[illegible]	32	[illegible]	[illegible]
REAMED					
CORED					

TALLY No.		LENGTH
37	STANDS	3399.77
	SINGLE	
1	D.C.'s	175.44
1	M.I.	15.48
1	[illegible]	1.80
1	Kelly Bit	1.10
1	D.C. ½	17.61
KELLY IN		41.00
TOTAL		3352.20
RAT HOLE TOP		

BIT RECORD

BIT No.	RR 2
SIZE	6¾
MAKE	Chris
TYPE	D
SERIAL	K137014
JET SIZE	
FROM	3244
TO	[illegible]
FOOTAGE	72
HRS.	15¼
COND.	Run

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE ___ 19__

No. ___ DAILY TIME SHEET 3-35 (REV. 11/68)

FIELD or AREA: ___ WELL NAME & No. ___ CONTRACTOR ___ RIG No. ___ No. ___

Well ___ Approved ___ Date ___

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
2 A.M.										
4 A.M.										
6 A.M.										
8 A.M.										

LINER SIZE: ___ STROKE ___

MUD & CHEMICALS

LBS. Added	KIND

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
10 A.M.										
NOON										
2 P.M.										
4 P.M.										

LINER SIZE: ___ STROKE ___

MUD & CHEMICALS

LBS. Added	KIND

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
6 P.M.										
8 P.M.										
10 P.M.										
12 P.M.										

LINER SIZE: ___ STROKE ___

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

WORK RECORD — 12 - 8 TOUR

START	STOP	HRS.	
12	2 45	2¾	DRLG 7⅞ hole w/ Dyna Drill
2 45	3 00	¼	Rig Serv / BOP's
3 00	3 30	½	Survey @ 3232
3 30	6 00	2½	DRLG 7⅞ hole w/ Dyna Drill

BOP Tested ✓ DRILLER: ___ CONTRACTOR'S TIME ___ CO's. TIME ___

8 - 4 TOUR

START	STOP	HRS.	
8 00	10 30	2½	DRLG 7⅞ hole w/ Dyna Drill
10 30	10 45	¼	Rig Service / BOP's
10 45	12 00	1¼	Survey @ 3264 ft
12 00	3 00	2½	Hunt Stanley - take tight hole Std. Tag down DP
3 00	3 15	¼	[illegible]
3 15	4 00	¾	Slip & Cut drlg line

BOP Tested ___ DRILLER: ___ CONTRACTOR'S TIME ___ CO's. TIME ___

4 - 12 TOUR

START	STOP	HRS.	
4 00	4 15	¼	Rig Service
4 15	[illegible]	½	[illegible]
[illegible]	[illegible]	4½	Cleaning & TIH to 8¾ hole to 3337 - 3244
[illegible]	[illegible]	½	Survey @ 3244
[illegible]	[illegible]	1½	[illegible]
[illegible]	[illegible]	½	[illegible]

BOP Tested ___ DRILLER: ___ CONTRACTOR'S TIME ___ CO's. TIME ___

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	[illegible]	3232	[illegible]	7¼	7⅞
REAMED			72		
CORED					

TALLY

No.		LENGTH
[illegible]	STANDS	[illegible]
1	SINGLE	[illegible]
1	D.C.'s	[illegible]
1	[illegible]	[illegible]
1	[illegible]	[illegible]
1	[illegible]	[illegible]
1	[illegible]	[illegible]
KELLY IN		[illegible]
TOTAL		[illegible]
RAT HOLE TOP		

BIT RECORD

BIT No.	[illegible]
SIZE	[illegible]
MAKE	[illegible]
TYPE	[illegible]
SERIAL	[illegible]
JET SIZE	
FROM	[illegible]
TO	[illegible]
FOOTAGE	[illegible]
HRS.	[illegible]
COND.	[illegible]

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	[illegible]	12
DERRICK	[illegible]	12
MOTORMAN	[illegible]	12
FLOORMAN	[illegible]	12
FLOORMAN	[illegible]	12
FIREMAN		

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	[illegible]				8¾
REAMED					
CORED					

TALLY

No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
KELLY IN		
TOTAL		
RAT HOLE TOP		

BIT RECORD

BIT No.	RR #2
SIZE	8¾
MAKE	[illegible]
TYPE	4J
SERIAL	[illegible]
JET SIZE	
FROM	3137
TO	
FOOTAGE	[illegible]
HRS.	2
COND.	[illegible]

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	[illegible]	12
DERRICK	[illegible]	12
MOTORMAN	[illegible]	12
FLOORMAN	[illegible]	12
FLOORMAN	[illegible]	12
FIREMAN	[illegible]	12

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY

No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
KELLY IN		
TOTAL		
RAT HOLE TOP		

BIT RECORD

BIT No.	
SIZE	
MAKE	
TYPE	
SERIAL	
JET SIZE	
FROM	
TO	
FOOTAGE	
HRS.	
COND.	

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: ___ PSI. MIN. ___ FORMATION TESTED ___ PSI. MIN. ___ EQUIPMENT FAILURES ___ TIME LOST ___

RIG FUEL CONSUMPTION ___ GALS BOILER FUEL CONSUMPTION ___ GALS WIRELINE TON MILE ___ TOOL PUSHER: ___ APPROVED: ___

Mobil Oil Canada, Ltd.
DAILY DRILLING REPORT

DATE JAN 15/71

No. 34 DAILY TIME SHEET (REV. 1/68)

FIELD or AREA: HUMMR RIVER WELL NAME & No. CONTRACTOR S.T. DRLG (WESTERN) C. LTD RIG No. No. 34

Well MUSIK HUMMR RIVER L-09

Approved _____ Date Jan 15/71

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEVIATION DEG.
2 A.M.										
4 A.M.										
6 A.M.										
8 A.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND

START	STOP	HRS.	WORK RECORD 12-8 TOUR
12:00	3:00	3	TRIP OUT TO RUN DYNA DRILL - LAID DOWN STABS
3:00	4:00	1	PICK UP DYNA DRILL & MONEL
4:00	7:15	3 1/4	RUN IN. PICK UP 12 SINGLES
7:15	8:00	3/4	CLEAN TO BTM

BOP Tested

DRILLER: K. Hu... CONTRACTOR'S TIME CO's. TIME

START	STOP	HRS.	8-4 TOUR
8:00	8:15	1/4	Clean to Btm
8:15	8:30	1/4	Rig Service / BOPs
8:30	10:00	1 1/2	Drill w/ Dyna Drill
10:00	12:30	2 1/2	Drlg 8 3/4" hole w/ Dyna Drill
12:30	1:30	1	Survey / Orientation
1:30	4:00	2 1/2	Drlg 8 3/4" hole w/ DD

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
KELLY IN		
TOTAL		
RAT HOLE TOP		

BIT RECORD	
BIT No.	
SIZE	
MAKE	
TYPE	
SERIAL	
JET SIZE	
FROM	
TO	
FOOTAGE	
HRS.	
COND.	

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	R HENLEY	12
DERRICK	D ZIMMER	12
MOTORMAN	J SLEEP	12
FLOORMAN	A WILLIAMS	12
FLOORMAN	T HANSON	12
FIREMAN		

REMARKS AND INJURIES:

	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEVIATION DEG.
10 A.M.	9.2	37	13.8	3/32	5	—	68	1000		
NOON	9.2	39								
2 P.M.	9.2	36								
4 P.M.	9.2	37	13.4	3/32						

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND
40#	Gel
—	Starch
10#	Driscose S.

BOP Tested

DRILLER: ... CONTRACTOR'S TIME CO's. TIME

START	STOP	HRS.	4-12 TOUR
8:00	8:30	4	Drlg 8 3/4 hole w/ Dyna drill
8:30	8:36	1/2	Survey @ 3171
8:36	12:00	3 1/2	Drlg 8 3/4 hole w/ Dyna Drill

3181 19 1/4 NOSE.

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	3137	3162	25'	4 1/4	8 3/4
REAMED					
CORED					

TALLY No.		LENGTH
41	STANDS	3137.49
1	SINGLE	7.91
6	D.C.'s	175.44
		15.48
		80
	S.T	1.00
	DD	15.45
KELLY IN		18.20
TOTAL		3162.00
RAT HOLE TOP		

BIT RECORD	
BIT No.	KK 21
SIZE	8 3/4
MAKE	Varel
TYPE	Q
SERIAL	[illegible]
JET SIZE	
FROM	3137
TO	3162
FOOTAGE	25
HRS.	4 3/4
COND.	Fair

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	J K Cline	12
DERRICK	J Smith	12
MOTORMAN	J Wilson	12
FLOORMAN	G Bilash	12
FLOORMAN	— Hardie	12
FIREMAN	E Sentek	12

REMARKS AND INJURIES:

	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEVIATION DEG.
6 P.M.					5	V	68	1000	3171	
8 P.M.	9.2	38								
10 P.M.	9.2	38								
12 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

BOP Tested

DRILLER: CONTRACTOR'S TIME CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	3162	3200	38	7 1/2	8 3/4
REAMED					
CORED					

TALLY No.		LENGTH
32	STANDS	2986.30
	SINGLE	
6	D.C.'s	175.44
		15.48
1	[illegible]	11.95
1	[illegible]	1.96
	[illegible]	1.00
KELLY IN		25.00
TOTAL		3200.00
RAT HOLE TOP		

BIT RECORD	
BIT No.	RR 5
SIZE	8 3/4
MAKE	Varel
TYPE	D
SERIAL	[illegible]
JET SIZE	
FROM	3137
TO	3200
FOOTAGE	63
HRS.	12 1/2
COND.	Fair

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: A Bolanger APPROVED L Thomerson

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE Jan 17-1971

No. 33 DAILY TIME SHEET 3-25 (REV. 1/65)

FIELD or AREA: Hume River WELL NAME & No. Mobil Oil Can L-04 CONTRACTOR S&T Western Co. LTD RIG No. I F No. 33

Well Mobil Oil Hume A L-04

Approved _____ Date Jan 17

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
2 A.M.	9.1	35			15	50	69	1450		
4 A.M.	9.2	37	12	1/2						
6 A.M.	9.2	36								
8 A.M.	9.2	36								

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND
500	Gel
100	Plasta
100	Kelzan

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
10 A.M.	9.2	41			12	90			3074	19
NOON	9.2	42								
2 P.M.	9.2	40								
4 P.M.	9.2	39	12.4	1/2						

LINER SIZE: 5 1/2 STROKE 14

MUD & CHEMICALS

LBS. Added	KIND
100	Flo-Trol
50	Q Quebracho
10#	Dowicide 1 3

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
6 P.M.					15	90	69	1400	3105	19
8 P.M.										
10 P.M.										
12 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: M Belanger APPROVED: L Ramsden

WORK RECORD

12 - 8 TOUR

START	STOP	HRS.	
12 00	1 00	1	DRLG 8 3/4 hole
1 00	1 15	1/4	Rig Service BOPs.
1 15	7 00	6 3/4	DRLG 8 3/4 hole

BOP Tested

DRILLER: J. Healy CONTRACTOR'S TIME CO's. TIME

8 - 4 TOUR

START	STOP	HRS.	
8 00	8 45	3/4	Drlg 8 3/4 hole
8 45	9 00	1/4	Rig Service Chops
9 00	10 00	1	Survey @ 3074 (Slade Kerens 1st picture Hay 4)
10 00	3 30	5 1/2	Drlg 8 3/4 hole
3 30	4 00	1/2	Survey @ 3105

3105 19 0 N 05 W

BOP Tested ✓

DRILLER: S.T. Ernie CONTRACTOR'S TIME CO's. TIME

4 - 12 TOUR

START	STOP	HRS.	
4 00	4 15	1/4	Ernie L Survey
4 15	4 30	1/4	Rig Service / Boys
4 30	13 30	9	Drlg 8 3/4 hole
10 30	11 00	1/2	Survey @ 3126
11 00	11 15	1/4	DRLG 8 3/4 hole
11 15	12 00	3/4	Trip Ck Dyna Drill

3126 - 19 1/2 0 - N 06 W.
380' N - 73 1/2 W.

BOP Tested ✓

DRILLER: CONTRACTOR'S TIME CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	3037	3070	33	7 3/4	8 3/4
REAMED					
CORED					

TALLY No.		LENGTH
26	STANDS	2470.44
	SINGLE	30.82
18	D.C.'s	531.33
1	Mud	15.48
2	Stab	11.16
1	Under	6.17
1	Jars	31.76
KELLY IN		37.60
TOTAL		3105
RAT HOLE TOP		3070

BIT RECORD	
BIT No.	13
SIZE	8 3/4
MAKE	Smith
TYPE	4JS
SERIAL	61417
JET SIZE	12
FROM	2917
TO	3070
FOOTAGE	153
HRS.	24
COND.	Run

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	R. Henley	12
DERRICK	D Ziemann	12
MOTORMAN	W Stemp	12
FLOORMAN	A Williams	12
FLOORMAN	T Hansen	
FIREMAN		

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	3070	3105	35'	6 1/2	8 3/4
REAMED					
CORED					

TALLY No.		LENGTH
26	STANDS	2470.44
2	SINGLE	62.60
18	D.C.'s	531.33
		15.48
2	Stab	11.16
	Under	6.97
	Jars	7.76
	KELLY IN	41.00
	TOTAL	3105 KB
	RAT HOLE TOP	

BIT RECORD	
BIT No.	13
SIZE	8 3/4
MAKE	Smith
TYPE	ATS
SERIAL	GH917
JET SIZE	3/12
FROM	2917
TO	3105
FOOTAGE	188
HRS.	35 1/2
COND.	Run

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	G Glennon	12
DERRICK	J. Smith	12
MOTORMAN	D Nelson	12
FLOORMAN	G Nielsen	12
FLOORMAN	B Burtnick	12
FIREMAN		
Howard	Hedin	8

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	3105				8 3/4
REAMED					
CORED					

TALLY No.		LENGTH
27	STANDS	2523.96
1	SINGLE	31.32
18	D.C.'s	531.33
1	Mud	15.48
2	Stab	11.16
1	Under	6.97
	Jars	7.76
	KELLY IN	10.00
	TOTAL	3137.
	RAT HOLE TOP	

BIT RECORD	
BIT No.	13
SIZE	8 3/4
MAKE	Smith
TYPE	4JS
SERIAL	GH917
JET SIZE	3/12
FROM	2917
TO	
FOOTAGE	
HRS.	
COND.	

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE Jan 11/71

No. 72 DAILY TIME SHEET 3-35 (REV. 1/68)

FIELD or AREA: Hare River WELL NAME & No. Mobil Oil Can. L-04 CONTRACTOR S.T Western. Co. LTD RIG No. I E No. 32

Well Mobil Oil Can Hare L-04

Approved _____ Date Jan 11/71

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
2 A.M.	9.1	36			30	45	61	1424	2443	
4 A.M.	9.1	34								
6 A.M.	9.1									
8 A.M.										

LINER SIZE: 5½ STROKE 14"

MUD & CHEMICALS

LBS. Added	KIND

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
10 A.M.	9.1	36	13.2	2/32	25	52	69	1440	3006	
NOON	9.1	37	11.0	✓						
2 P.M.	9.1	36	12.2	✓						
4 P.M.										

LINER SIZE: 5½ x 14 STROKE

MUD & CHEMICALS

LBS. Added	KIND
50#	Centrifuge

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
6 P.M.					15	50	69	1450		
8 P.M.						55				
10 P.M.										
12 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

Added	KIND	LBS.	ON HAND

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: _____ APPROVED: L L Lamontagne

WORK RECORD — 12 - 8 TOUR

START	STOP	HRS.	
12	12	½	R.g Service.
12	4	4	DRLG 8¾ hole.
4	5	½	Survey @ 2443.
5	8	3	DRLG 8¾ hole

DC 2443 - 16° N5W

BOP Tested

DRILLER: K. Hanley CONTRACTOR'S TIME CO's. TIME

8 - 4 TOUR

START	STOP	HRS.	
8	8.5	½	Rig Service. BOP's. Kelly cock
8.5	2	7½	Drlg 8¾ hole
2	4	½	Circ & Cond hole for deposition Sketch.

3006 - 19° - N05W

BOP Tested

DRILLER: D.R Glennie CONTRACTOR'S TIME CO's. TIME

4 - 12 TOUR

START	STOP	HRS.	
4	5	1½	Trip in Hanging Drop Set Reamers
5	5.5	¼	Rig Service. Pipe Rams
5.5	6.5	1¼	Trip in
6.5	7	½	Ream 90' Circ & Cond hole
7	12	5	Drlg 8¾ hole

Ream W.K Stab. Spiral Stab. 70' above bit.

BOP Tested

DRILLER: CONTRACTOR'S TIME CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	2422	2973	46	7¼	8¾
REAMED					
CORED					

TALLY No.		LENGTH
25	STANDS	2334.51
	SINGLE	31.33
18	D.C.'s	531.33
1	Mandl	15.48
2	Stabs	11.16
1	Jars	14.64
1	Rams	4.85
	KELLY IN	37.14
	TOTAL	2973
	RAT HOLE TOP	

BIT RECORD

BIT No.	13
SIZE	8¾
MAKE	Smith
TYPE	45S
SERIAL	GB917
JET SIZE	3/12
FROM	2917
TO	2973
FOOTAGE	56
HRS.	9
COND.	R.in

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	2973	3018	45	7¼	8¾
REAMED					
CORED					

TALLY No.		LENGTH
26	STANDS	2478.54
	SINGLE	7.76
18	D.C.'s	531.33
1	Mandl	15.48
2	Stabs	11.16
1	Jars	1.97
1	Rams	4.85
	KELLY IN	10.96
	TOTAL	3018.50
	RAT HOLE TOP	

BIT RECORD

BIT No.	13
SIZE	8¾
MAKE	Smith
TYPE	45S
SERIAL	GB917
JET SIZE	3/12
FROM	2917
TO	3018
FOOTAGE	101
HRS.	16¼
COND.	Rm

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	3018	3037	19	5	8¾
REAMED					
CORED					

TALLY No.		LENGTH
26	STANDS	2429.54
	SINGLE	
18	D.C.'s	531.33
1	Mandl	15.48
2	Stabs	11.16
1	Wipers	6.97
1	Jars	7.76
	KELLY IN	33.76
	TOTAL	3037
	RAT HOLE TOP	

BIT RECORD

BIT No.	13
SIZE	8¾
MAKE	Smith
TYPE	45S
SERIAL	GB917
JET SIZE	3/12
FROM	2917
TO	3037
FOOTAGE	120
HRS.	21¼
COND.	Rm

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	K. Hanley	12
DERRICK	D Zimmer	12
MOTORMAN	W Slemp	12
FLOORMAN	A. Williams	12
FLOORMAN	T Hansen	12
FIREMAN		

REMARKS AND INJURIES:

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	D.R Glennie	12
DERRICK	J Smilyk	12
MOTORMAN	J Wilson	12
FLOORMAN	Gilbert	12
FLOORMAN	S Eustache	12
FIREMAN		

REMARKS AND INJURIES:

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE JAN. 15-71 — No. 31

No. 31 DAILY TIME SHEET 3-35 (REV. 1/68)

FIELD or AREA: Hume River — WELL NAME & No. Mobil Oil Can. 2-09 — CONTRACTOR S & T. WESTERN CO. LTD. — RIG No. 1E

Well Mobil Oil Hume River 2-09

Approved _____ Date JAN 15-7

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
2 A.M.	9.1	36			2¾/35	65	70	1300	2817	1¼
4 A.M.	9.1	35								N7W.
6 A.M.	9.1	36	PH 9.5							
8 A.M.	9.1	36								

LINER SIZE: 5½" x STROKE 14"

MUD & CHEMICALS

LBS. Added	KIND

START	STOP	HRS.	WORK RECORD — 12-8 TOUR
12:00	1:15	1¼	DRLG. 8¾" hole
1:15	1:30	¼	Survey @ 2817
1:30	1:45	¼	Ser. Rig & B.O.P.
1:45			DRLG. 8¾" hole

BOP Tested ✓ — DRILLER: Ron Smith — CONTRACTOR'S TIME — CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	2818	2865	47	7½	8¾
REAMED					
CORED					

TALLY

No.		LENGTH
29	STANDS	2746.41
1	SINGLE	31.43
18	D.C.'s	531.37
1	mono.	15.48
2	Stab	11.16
1	Wilson Stab	14.68
1	RMR.	4.55
KELLY IN		15.61
TOTAL		2865.00
RAT HOLE TOP		

BIT RECORD

BIT No.	12
SIZE	8¾
MAKE	H-W
TYPE	XDV
SERIAL	29251
JET SIZE	3/12 1/13
FROM	2797
TO	2865
FOOTAGE	68
HRS.	9¾
COND.	RUN

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	Ron Smith	8
DERRICK	C. Campbell	8
MOTORMAN	K. Wilson	8
FLOORMAN	A. Jenson	8
FLOORMAN	J. Johnson	8
FIREMAN		

REMARKS AND INJURIES:

MUD RECORD

	WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
10 A.M.	9.1	34	11	2/32	30	65	70	1300	2880	
NOON	9.1	35			20	75	70	1300		
2 P.M.	9.1	37								
4 P.M.	9.1	36								

LINER SIZE: _____ STROKE _____

MUD & CHEMICALS

LBS. Added	KIND
50	Plasta
500	Def
50	Kelzan
50	Caustic
10	Dowicide B.

START	STOP	HRS.	
8:00	8:15	¼	Rig Serv.
8:15	11:30	3¼	DRLG. 8¾ hole
11:30	11:45	¼	Survey @ 2880
11:45	4:00	4¼	DRLG.

2800 — 17° — N5W

BOP Tested — DRILLER: R. Hanley — CONTRACTOR'S TIME — CO's. TIME

8-4 TOUR

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	2865	2906	41	7½	8¾
REAMED					
CORED					

TALLY

No.		LENGTH
24	STANDS	2246.41
2	SINGLE	62.91
18	D.C.'s	521.33
1	mono	15.48
2	Stab	11.16
1	Wilson Stab	14.67
1	RMR	4.55
KELLY IN		25.13
TOTAL		2906
RAT HOLE TOP		

BIT RECORD

BIT No.	#12
SIZE	8¾
MAKE	H-W
TYPE	XDV
SERIAL	29251
JET SIZE	3/12 1/13
FROM	2797
TO	2906
FOOTAGE	109
HRS.	17½
COND.	Run

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	P. Henley	12
DERRICK	V. Zierman	12
MOTORMAN	W. Sierup	12
FLOORMAN	A. Williams	12
FLOORMAN	T. Hanson	12
FIREMAN	Ken McCargar	12

REMARKS AND INJURIES:

MUD RECORD

	WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
6 P.M.	9.1	36			30	45	69	1425		
8 P.M.	9.1									
10 P.M.										
12 P.M.	9.2	36	PH 9.5							

LINER SIZE: _____ STROKE _____

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

START	STOP	HRS.	
6:00	6:15	¼	DRLG. 8¾ hole
6:15	6:45	½	Trip out for Bit
6:45	8:00	1¼	Run & make up bit #13
8:00	10:00	2	Run 2"
10:00	10:15	¼	Ream & clean 10' fill & btm
10:15	12:00	1¾	Drlg 8¾ hole

2900 — 18° — N30W

BOP Tested — DRILLER: _____ — CONTRACTOR'S TIME — CO's. TIME

4-12 TOUR

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	2886	2925	39	4	8¾
REAMED					
CORED					

TALLY

No.		LENGTH
25	STANDS	2334.69
1	SINGLE	6.29
14	D.C.'s	521.33
1	Mono	15.48
2	Stab	11.16
1	Wilson Stab	14.68
1	RMR	4.55
KELLY IN		32.91
TOTAL		2925
RAT HOLE TOP		

BIT RECORD

BIT No.	12	13
SIZE	8¾	8¾
MAKE	H-W	Smith
TYPE	XDV	ATS
SERIAL	29251	GB917
JET SIZE	3/12 1/13	3/12
FROM	2797	2917
TO	2917	2925
FOOTAGE	120'	8
HRS.	19½	1¾
COND.	3-1	Run

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER	Al Clemens	4
DERRICK	J. Smith	4
MOTORMAN	J. Wilson	4
FLOORMAN	M. Smith	4
FLOORMAN	D. Hurlet	4
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: A. Blakely APPROVED: L. Lesanicke

Mobil Oil Canada, Ltd.
DAILY DRILLING REPORT

DATE Jan 14-71

No. 30 DAILY TIME SHEET 3-25 (REV. 1/68)

FIELD or AREA: Norman Wells Area WELL NAME & No. Mobil Oil Hume River L-09 CONTRACTOR S.T. Western RIG No. T E

No. 30

Well Mobil Oil Can. 27½ Hume River

Approved _____ Date JAN 14-

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
2 A.M.	9.2	36			25	55	70	1350	2705	16¼
4 A.M.	9.2	38							N O G	
6 A.M.	9.1	34	PH 9.0							
8 A.M.										

LINER SIZE: 5½ X STROKE 14"

MUD & CHEMICALS

LBS. Added	KIND
100#	Plaster
100#	Kelzan

START	STOP	HRS.	WORK RECORD 12 - 8 TOUR
12:00	12:30	½	Rig Service & BOPs
12:30	6:15	6	DRLG 8¾ Hole
6:15	6:45	½	Survey @ 2725'
6:45	8:00	1¼	DRLG 8¾ hole

BOP Tested ✓ DRILLER: Ron CONTRACTOR'S TIME CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	2705	2740	35		8¾
REAMED					
CORED					

TALLY

No.		LENGTH
23	STANDS	2148.99
	SINGLE	
18	D.C.'s	531.33
1	MONEL	15.42
1	STAB	11.16
1	STAB	4.95
Jars	Twisted	10.64
KELLY IN		
TOTAL		2740
RAT HOLE TOP		

BIT RECORD

BIT No.	11
SIZE	8¾
MAKE	Smith
TYPE	55-5
SERIAL	AH512
JET SIZE	3/12
FROM	2692
TO	2740
FOOTAGE	48
HRS.	11
COND.	Run

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	Ron Gould	12
DERRICK	C. Campbell	12
MOTORMAN	M. Wilson	12
FLOORMAN	A. Jenson	12
FLOORMAN	L. Johnson	12
FIREMAN		

REMARKS AND INJURIES:

	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
10 A.M.	9.1	33			30	45	75	1400		
NOON	9.1	37								
2 P.M.	9.1	38								
4 P.M.	9.1	36	H-S	2						

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND
50	Caustic
500	Gel
50	Kelzan
50	Starch
10	Quebracho B.

START	STOP	HRS.	8 - 4 TOUR
8:00	9:00	1	DRLG 8¾ Hole
9:00	9:15	¼	Rig Service & BOPs
9:15	4:00	6¾	DRLG 8¾ hole

BOP Tested ✓ DRILLER: Ron CONTRACTOR'S TIME CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	2714	2783	42	7¾	8¾
REAMED					
CORED					

TALLY

No.		LENGTH
23	STANDS	2142.00
	SINGLE	7.74
12	D.C.'s	531.33
1	Monel	15.42
2	STAB	11.16
1	STAB	4.95
1	JARS	10.64
KELLY IN		31.07
TOTAL		2783.24
RAT HOLE TOP		

BIT RECORD

BIT No.	11
SIZE	8¾
MAKE	Smith
TYPE	55
SERIAL	FE154
JET SIZE	3/12
FROM	2692
TO	2782
FOOTAGE	90
HRS.	18¼
COND.	Run

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	R. Healey	12
DERRICK	D. Zimmerman	12
MOTORMAN	R. Williams	
FLOORMAN	W. Stemp.	12
FLOORMAN	A. Williams	12
FIREMAN	K. McKay	12
[illegible]	T. Hagel	12

REMARKS AND INJURIES:

	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
6 P.M.	9.1	36			29	64	70	1300		
8 P.M.										
10 P.M.										
M P.M.	9.1	35	PH 11.5							

LINER SIZE: 5½ X STROKE 14"

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

START	STOP	HRS.	4 - 12 TOUR
4:00	6:15	2¼	DRLG 8¾ hole
6:15	8:00	1¾	Trip For BIT
8:00	9:15	¼	Rig Svc. & BOPs
9:15	7:30	1¼	Run in w/ Bit # 12 XDV.
7:30	7:45	¼	Clean out 10' Fill To Bottom
7:45	12:00	2¼	DRLG. 8¾" hole

BOP Tested ✓ DRILLER: CONTRACTOR'S TIME CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	2782	2818	36'	4½	8¾
REAMED					
CORED					

TALLY

No.		LENGTH
23	STANDS	2148.99
2	SINGLE	66.64
18	D.C.'s	531.33
1	MONEL	15.42
2	STAB	11.16
1	STAB	4.95
1	JARS	11.68
KELLY IN		31.76
TOTAL		2818
RAT HOLE TOP		

BIT RECORD

BIT No.	12
SIZE	8¾
MAKE	H-W
TYPE	XDV
SERIAL	79251
JET SIZE	3/12 3/13
FROM	2797
TO	2818
FOOTAGE	21
HRS.	2¾
COND.	RUN

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: _____ APPROVED: _____

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE Jan 13-71

No. 24 DAILY TIME SHEET 3-35 (REV. 1/68)

FIELD or AREA: Hume River WELL NAME & No. Mobil Oil Hume River CONTRACTOR S&T. Western. Co. LTD No. 38 RIG No. 1E

Well Mobil Oil Co Hume River 2-09 Approved _____ Date Jan 13-

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
2 A.M.						44/60	70	1400		
4 A.M.	9.1	37								
6 A.M.	9.1	37								
8 A.M.	9.1	45								

LINER SIZE: 5½ STROKE 14"

MUD & CHEMICALS

LBS. Added	KIND
100#	Caustic
500#	Gel.
15#	Dow B.

START	STOP	HRS.	WORK RECORD 12 - 8 TOUR
1300	1215	¼	Ser. Rig & BOP
1215	1245	½	Slip 22' drilling line
1245	145	1	Run in w/ B.T RR #9
145	400	6¼	DRLG.

BOP Tested ✓ DRILLER: Roy CONTRACTOR'S TIME CO's. TIME

START	STOP	HRS.	8 - 4 TOUR
800	1100	3	DRLG.
1100	1215	1¼	Rig Ser. & BOPs
1215	1230	¼	Survey @ 2663'
1230	345	3¼	DRLG.
345	400	¼	Trip For B.T

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	2630	2659	29	6¼	8¾
REAMED					
CORED					

TALLY No.		LENGTH
22	STANDS	2055.06
	SINGLE	
18	D.C.'s	531.33
1	reamer	15.48
2	Stab.	11.16
1	Jars	14.64
1	RMR.	4.45
	KELLY IN	26.44
	TOTAL	2659.00
	RAT HOLE TOP	

BIT RECORD

BIT No.	RR 9
SIZE	8¾
MAKE	Smith
TYPE	F3
SERIAL	KEL54
JET SIZE	3/12
FROM	2630
TO	2659
FOOTAGE	29
HRS.	6¼
COND.	Run

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	Ron Smith	12
DERRICK	C. Campbell	12
MOTORMAN	K. Wilson	12
FLOORMAN	A. Jenson	12
FLOORMAN	L. Johnson	12
FIREMAN		

REMARKS AND INJURIES:

	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
10 A.M.	9.2	41			25	55	70	1400	2663	16°
NOON	9.2	40	10.4	2/32						
2 P.M.	9.2	40	DH. 10.0							
4 P.M.	9.2	36								

LINER SIZE: 5½ STROKE 14"

MUD & CHEMICALS

LBS. Added	KIND

BOP Tested DRILLER: CONTRACTOR'S TIME CO's. TIME

START	STOP	HRS.	

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	2659	2692	33'	7¼	9¾
REAMED					
CORED					

TALLY No.		LENGTH
22	STANDS	2055.06
1	SINGLE	31.59
17	D.C.'s	531.33
1	reamer	15.48
2	Stabs	11.16
1	Jars	14.64
1	RMR	11.45
	KELLY IN	32.00
	TOTAL	2705
	RAT HOLE TOP	

BIT RECORD

BIT No.	#9
SIZE	8¾
MAKE	Smith
TYPE	F3
SERIAL	FE654
JET SIZE	3/12
FROM	2630
TO	2692
FOOTAGE	62
HRS.	13½
COND.	1-1-WT/4"

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	R. Hewes	12
DERRICK	D. Ziemmer	12
MOTORMAN	K. Wilson	
FLOORMAN	A. Jenson	1
FLOORMAN	L. Johnson	12
FIREMAN		

REMARKS AND INJURIES:

	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
6 P.M.	Rig.				36	50	70	1350		
8 P.M.										
10 P.M.	9.2	38	10.5	2/32						
12 P.M.	9.2	34	DH. 9.5							

LINER SIZE: 5½ STROKE 14"

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

BOP Tested ✓ DRILLER: Roy CONTRACTOR'S TIME CO's. TIME

START	STOP	HRS.	4 - 12 TOUR
1100	600	2	TRIP For B.T
600	800	2	Run in w/ B.T @ 11
800	915	¼	Ser Rig & BOPs
915	1200	3¾	DRLG.

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	2692	2705	13	3¾	9¾
REAMED					
CORED					

TALLY No.		LENGTH
22	STANDS	2055.06
1	SINGLE	31.59
17	D.C.'s	531.33
1	reamer	15.48
		11.16
		14.64
		4.45
	KELLY IN	41.00
	TOTAL	2705.00
	RAT HOLE TOP	

BIT RECORD

BIT No.	11
SIZE	8¾
MAKE	Smith
TYPE	55-5
SERIAL	KV512
JET SIZE	3/12
FROM	2692
TO	2705
FOOTAGE	13
HRS.	3¾
COND.	Run

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN	W. Stemp	
FLOORMAN	G. W. Lemmon	12
FLOORMAN	K. MacGregor	12
FIREMAN	T. Hansen	12

REMARKS AND INJURIES:

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: _____ APPROVED: L Lemmon

Mobil Oil Canada, Ltd.
DAILY DRILLING REPORT

DATE JAN 12 - 71

No. 24 DAILY TIME SHEET 3-35 (REV. 11/68)

FIELD or AREA: Hume River WELL NAME & No. Mobil Hume River CONTRACTOR S&T Western Co LTD. RIG No. 1E

Well Mobil Hume River 2-09

Approved _____ Date JAN 12-

TIME	MUD RECORD WT.	VISC.	W.L.	F.C	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
2 A.M.	8.9				25	55	70	1450	2530	15°
4 A.M.	40									
6 A.M.										
8 A.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND
	Nil

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
10 A.M.	9.0	37			30	55	70	1650		
NOON	9.0	40								
2 P.M.	9.1	40								
4 P.M.	9.1	38								

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND
506	GEL
100#	Kelzan
50#	Placrot.

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
6 P.M.	9.1	37			30	55	70	1650	2600	16°
8 P.M.	9.1									
10 P.M.	9.1	37								
12 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND
	Nil		

WORK RECORD — 12 - 8 TOUR

START	STOP	HRS.	
12:00	1:30	1½	DRLG. 8¾" hole
1:30	1:45	¼	DROP Survey @ 2550
1:45	3:30	1¾	Tripout + Laydown Pipe To Pickup 5 DRILL Collars + (Hole Tools)
3:30	3:45	¼	Ser. Rig + Rams
3:45	5:00	1¼	Pickup DRILL Collars + Calliper ASS Equipment
			INSTALL NEW 4 Rib Rubber on Stab.
5:00	6:15	1¼	RUN IN + STRAP Pipe
6:15	7:15	1	REAM 45' To BOTTOM
7:15	8:00	¾	DRLG.

BOP Tested ✓ DRILLER: Ron Smith CONTRACTOR'S TIME CO's. TIME

8 - 4 TOUR

START	STOP	HRS.	
8:00	10:15	2¼	DRLG. 8¾ hole
10:15	10:30	¼	Rig Ser. + BOPs
10:30	4:00	5½	DRLG.

BOP Tested ✓ DRILLER: R Henley CONTRACTOR'S TIME CO's. TIME

4 - 12 TOUR

START	STOP	HRS.	
4:00	4:30	½	DRLG. 8¾ hole
4:30	4:45	¼	Ser. Rig + BOPs
4:45	5:00	¼	Survey @ 2600'
5:00	9:30	4½	DRLG.
9:30	9:45	¼	DROP Survey
9:45	11:30	1¾	Trip out
11:30	12:00	½	Change Bits + Run in D.C.s

BOP Tested ✓ DRILLER: Ron . CONTRACTOR'S TIME CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	2545	2562	17	2¾	8¾
REAMED					
CORED					

TALLY

No.		LENGTH
21	STANDS	1960.41
1	SINGLE	7.76
12	D.C.'s	531.33
1	mwd	15.48
2	Stab	11.16
1	Kelly	6.92
1	RMR	4.75
KELLY IN		
TOTAL		2562.00
RAT HOLE TOP		

BIT RECORD

BIT No.	9	10
SIZE	8¾	8¾
MAKE	Smith	H-W
TYPE	57S	J-44
SERIAL	FR654	M271
JET SIZE	7/8	3/11
FROM	2278	2555
TO	2555	2562
FOOTAGE	277	7
HRS.	40½	3/11
COND.	1-1-1	Run

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	2562	2607	45'	7¾	9¾
REAMED					
CORED					

TALLY

No.		LENGTH
20	STANDS	1960.27
1	SINGLE	7.69
17	D.C.'s	531.33
1	mwd	15.48
2	Stab	11.16
1	Super	6.92
1	RMR	4.75
KELLY IN		38.00
TOTAL		2607.00
RAT HOLE TOP		

BIT RECORD

BIT No.	10
SIZE	9¾
MAKE	H-W
TYPE	J-44
SERIAL	M271
JET SIZE	3/11
FROM	2555
TO	2607
FOOTAGE	52
HRS.	7½
COND.	Run

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	2607	2630	23'	5	9¾
REAMED					
CORED					

TALLY

No.		LENGTH
21	STANDS	
1	SINGLE	2023.51
18	D.C.'s	531.33
1	mwd	15.48
2	Stab.	11.16
1	Super	14.68
1	RMR	4.85
KELLY IN		28.89
TOTAL		2630
RAT HOLE TOP		

BIT RECORD

BIT No.	10
SIZE	9¾
MAKE	H-W
TYPE	J-44
SERIAL	M271
JET SIZE	3/11
FROM	2555
TO	2630
FOOTAGE	75
HRS.	13¼
COND.	1-1-1

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	Ron Smith	12
DERRICK	C. Campbell	12
MOTORMAN	K. Wilson	12
FLOORMAN	A. Jenson	12
FLOORMAN	K. Johnson	12
FIREMAN		

REMARKS AND INJURIES:

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	R. Henley	12
DERRICK	D. Ziemmer	12
MOTORMAN	W. Siemp	12
FLOORMAN	A. Williams	8
FLOORMAN	K MacGregor	12
FIREMAN	T Hanson	12

REMARKS AND INJURIES:

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: _____ APPROVED: L Lissimidis

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE Jan 11-71

No. 27 DAILY TIME SHEET 3-25 (REV. 1/68)

FIELD or AREA: Norman Wells area WELL NAME & No. Mobil Oil Hume River L-09 CONTRACTOR S.T. Western No. 27

RIG No. IF Well ~~Imperial~~ Mobil Oil Hume River L-09

Approved _____ Date JAN 11-7

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
2 A.M.	9.0	52			25	40	70	1050	2378	13 N 13 W
4 A.M.	9.0	36				55	70			
6 A.M.	9.0	36	10.0	2/32						
8 A.M.	9.0	39								

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND
~~Kelzan~~	
105#	Kelzan
500#	Gel
50#	Plaster

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
10 A.M.	9.0	36			25	55	70	1050	2411	13 1/4
NOON	8.9	36								N 13 W
2 P.M.	8.9	38								
4 P.M.	8.9	36								

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND
100#	Caustic
50#	Kelzan
1 ℓ	DOW. B
500#	GEL.

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
6 P.M.	8.9	36			25	55	70	1650	2503	14 1/2
8 P.M.	8.9									N 7 W
10 P.M.	8.9	40								
12 P.M.	8.9	38								

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

WORK RECORD — 12 - 8 TOUR

START	STOP	HRS.	
12 00	2 15	2 1/4	DRLG. 8 3/4 hole
2 15	2 45	1/2	Directional Survey @ 2377' 13 N. 13 W
2 45	3 00	1/4	Ser. Rig ✓ B.O.P. & Kelly Cock
3 00	8 00	5	DRLG 8 3/4 hole

BOP Tested ✓ DRILLER: R. Smith CONTRACTOR'S TIME CO's. TIME

8 - 4 TOUR

START	STOP	HRS.	
8 00	8 15	1/4	Rig Ser. ✓ BOP & Kelly Cock.
8 15	12 00	3 3/4	DRLG. 8 3/4" hole
12 00	12 15	1/4	Survey @ 2497

BOP Tested ✓ DRILLER: L. Henley CONTRACTOR'S TIME CO's. TIME

4 - 12 TOUR

START	STOP	HRS.	
4 00	4 15	1/4	Ser. Rig ✓ BOP
4 15	7 00	2 3/4	DRLG
7 00	7 15	1/4	Survey @ 2502
7 15	12 00	4 3/4	DRLG.

BOP Tested ✓ DRILLER: R. S. CONTRACTOR'S TIME CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	2370	2411	41	7 1/4	8 3/4
REAMED					
CORED					

TALLY

No.		LENGTH
21	STANDS	1954.45
	SINGLE	38.72
13	D.C.'s	
1	Monel	15.48
2	Stab	11.16
1	Ream	4.35
	KELLY IN	
	TOTAL	
	RAT HOLE TOP	

BIT RECORD

BIT No.	9
SIZE	8 3/4
MAKE	Smith
TYPE	F-2
SERIAL	[illegible]
JET SIZE	[illegible]
FROM	2313
TO	2378
FOOTAGE	41
HRS.	13
COND.	[illegible] Run

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	Ron Smith	12
DERRICK	C. Campbell	12
MOTORMAN	K. Wilson	12
FLOORMAN	A. Jenson	12
FLOORMAN	L. Johnson	12
FIREMAN		

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	2411	2477	60	7 1/2	8 3/4
REAMED					
CORED					

TALLY

No.		LENGTH
21	STANDS	1954.45
2	SINGLE	61.66
13	D.C.'s	387.62
1	MONEL	15.48
2	STAB	11.16
1	REAM	4.35
	KELLY IN	2.00
	TOTAL	2477.00
	RAT HOLE TOP	

BIT RECORD

BIT No.	9
SIZE	8 3/4
MAKE	
TYPE	F-2
SERIAL	F1654
JET SIZE	3/13
FROM	2378
TO	2477
FOOTAGE	99
HRS.	31/2
COND.	Run

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	R. Healey	12
DERRICK	D. Ziemmer	12
MOTORMAN	J. Sleep	12
FLOORMAN	A. Williams	12
FLOORMAN	K. McKellor	12
FIREMAN	T. Hagen	12

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	2477	2545	68	7 1/2	8 3/4
REAMED					
CORED					

TALLY

No.		LENGTH
22	STANDS	
2	SINGLE	2116.54
13	D.C.'s	387.62
1	MONEL	15.48
1	STAB.	11.16
1	RMR.	4.35
	KELLY IN	9.34
	TOTAL	2545
	RAT HOLE TOP	

BIT RECORD

BIT No.	9
SIZE	8 3/4
MAKE	
TYPE	F-2
SERIAL	F1654
JET SIZE	3/13
FROM	2378
TO	2545
FOOTAGE	167
HRS.	39
COND.	Run

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: _____ APPROVED: L. Lissimalin

Mobil Oil Canada, Ltd.
DAILY DRILLING REPORT

DATE JAN 10-71

No 26 DAILY TIME SHEET 3-35 (REV. 1 1/68)

Well Mobil Oil Hume River 2-09

Approved _____ Date JAN 10 71

FIELD or AREA: Hume River WELL NAME & No. Mobil Oil Hume River 2-09 CONTRACTOR S.T. Western Co. LTD. RIG No. 1E No 26

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
2 A.M.	TR. PP, NC				15	115	70	1050	2232	12¼
4 A.M.	TR. PP, NC									
6 A.M.	TR. PP, NC									
8 A.M.	9.0	39								

LINER SIZE: 5½ X STROKE 14"

MUD & CHEMICALS

LBS. Added	KIND
100#	KELZAN

START	STOP	HRS.	WORK RECORD 12-8 TOUR
12⁰⁰	12¹⁵	¼	Rig Serv ✓ B.O.P.s
12¹⁵	1⁰⁰	¾	make up STRAIT hole ASSY ✓ RUN IN Collars ✓ Survey
1⁰⁰	2³⁰	1½	RUN IN Slow ✓ TAKE DIRECTIONAL SURVEYS
2³⁰	5⁴⁵	3¼	REAMING IN STABS TO BOTTOM FROM 2190'
5⁴⁵	8⁰⁰	2¼	DRLG. 8¾" hole Survey @ 2232 12¼ N 10 W. REAMER ✓ BIT on Bottom 15' MONEL Spiral STAB Top of Monel 30' Collar ✓ Non Rotating STAB.

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	2278	2286	8	2¼	8¾
REAMED	2190	2278	88'	3¼	8¾
CORED					

TALLY

No.		LENGTH
19	STANDS	
2	SINGLE	18.36.75
13	D.C.'s	378.62
1	MONEL	15.48
1	STAB.	11.16
1	RMR	4.85
	KELLY IN	30.14
	TOTAL	
	RAT HOLE TOP	

BIT RECORD

BIT No.	9
SIZE	8¾
MAKE	SMITH
TYPE	5T5
SERIAL	FE654
JET SIZE	3/13
FROM	2278
TO	2286
FOOTAGE	8
HRS.	2¼
COND.	Run

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	Ron Smith	12
DERRICK	C. Campbell	12
MOTORMAN	M. Wilson	12
FLOORMAN	A. JENSEN	12
FLOORMAN	L. JOHNSON	12
FIREMAN		

REMARKS AND INJURIES:

BOP Tested ✓ DRILLER: Ron Smith CONTRACTOR'S TIME CO's. TIME 8-4 TOUR

START	STOP	HRS.	
8⁰⁰	10³⁰	2½	DRLG. 8¾ hole
10³⁰	10⁴⁵	¼	Rig Serv ✓ BOPs ✓ Kelly Cock
10⁴⁵	11⁰⁰	¼	Survey @ 2286 12½ N10W.
11⁰⁰	4⁰⁰	5	DRLG. 8¾ hole

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	2286	2322	36.	7½	
REAMED					
CORED					

TALLY

No.		LENGTH
20	STANDS	1865.34
	SINGLE	
13	D.C.'s	38762
1	Monel	15.48
2	Stab.	11.16
1	RMR.	4.85
	KELLY IN	38.00
	TOTAL	2322.44
	RAT HOLE TOP	

BIT RECORD

BIT No.	9
SIZE	8¾
MAKE	Smith
TYPE	5J5
SERIAL	FE654
JET SIZE	3/13
FROM	2278
TO	2322
FOOTAGE	44
HRS.	4¼
COND.	Run

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	R. Henley	12
DERRICK	D Ziemmer	12
MOTORMAN	W Stemp	12
FLOORMAN	A. Williams	12
FLOORMAN	K McGregor	12
FIREMAN	T Hanson	12

REMARKS AND INJURIES:

MUD RECORD	WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
10 A.M.	9.0	36			20	45	70	1050	2286	12½
NOON	9.0	36			20	45	70	1050		N10W
2 P.M.	9.0	38			11	"	"	"		
4 P.M.	9.0	38			25	55	70	"		

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND
50	Caustic
100	Kelzan
100	Plastic
10	Desco B
600	Gel

BOP Tested ✓ DRILLER: R Henley CONTRACTOR'S TIME CO's. TIME 4-12 TOUR

START	STOP	HRS.	
4⁰⁰	4³⁰	½	DRLG. 8¾ hole
4³⁰	4⁴⁵	¼	Rig Serv.
4⁴⁵	5⁰⁰	¼	Survey @ 2315' 12½° N 9 W.
5⁰⁰	10⁰⁰	5	DRLG. 8¾ hole
10⁰⁰	10³⁰	½	Survey @ 2347' (13° N-10-W)
10³⁰	12⁰⁰	1½	DRLG. 8¾ hole

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	2322	2370	48'	7	8¾
REAMED					
CORED					

TALLY

No.		LENGTH
20	STANDS	
2	SINGLE	924.17
13	D.C.'s	387.62
1	MONEL	15.48
2	STAB	11.16
1	RMR	11.85
	KELLY IN	22.72
	TOTAL	2370.00
	RAT HOLE TOP	

BIT RECORD

BIT No.	9
SIZE	8¾
MAKE	Smith
TYPE	5J5
SERIAL	FE654
JET SIZE	3/13
FROM	2278
TO	2370
FOOTAGE	92
HRS.	16¾
COND.	Run.

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

MUD RECORD	WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
6 P.M.	9.0	36			25	45 55	70	1050	2315	12½ N9W
8 P.M.	9.0	37								
10 P.M.	9.0	37								
12 P.M.	9.0	35								

LINER SIZE: 5½ X STROKE 14"

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: M Valenzuela APPROVED: L Lussmiller

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE JAN 9-71

No. 25 DAILY TIME SHEET (REV. 1/68) 3-35

FIELD or AREA: Hume River WELL NAME & No. Mobil Oil Hume River 2-09 CONTRACTOR S&T. WESTERN CO LTD. RIG No. 1E

No. 25

Well Mobil Oil Hume River 2-09

Approved _____ Date JAN 9-71

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
2 A.M.	9+	tripping			15/55	55/60	70		2181	12
4 A.M.	TRIPPING								2199	11¾
6 A.M.	9.0	36								
8 A.M.	9.0	40								

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND
100	PLASTER

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
10 A.M.	9.0	38			14	55	70	1150	2230	12°
NOON	9.0	37			7	55	70	1150		
2 P.M.	9.0	37			12	55	70	1150		
4 P.M.	9.0	40			12	55	70	1150		

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND
50	Caustic
500	Gel

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
6 P.M.	9.0	40			12	55	70	1150	2264	12°
8 P.M.	9.0	40	8.2	2/32						
10 P.M.	TRIPPING									
12 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

WORK RECORD — 12-8 TOUR

START	STOP	HRS.	
12:00	12:30	½	DRLG.
12:30	1:15	¾	Survey @ 2181 + Rig Ser. + BOP
1:15	1:30	¼	DRLG.
1:30	4:30	3	Pull out To Laydown STAB. + put SPIRAL Type @ 90'
4:30	7:00	2½	DRLG.
7:00	7:15	¼	Survey @ 2198
7:15	8:00	¾	DRLG.

BOP Tested ✓ DRILLER: Ron Saulk CONTRACTOR'S TIME CO's. TIME

WORK RECORD — 8-4 TOUR

START	STOP	HRS.	
8:00	12:30	4½	DRLG @ 8¾ hole
12:30	12:45	¼	Rig Serv + BOPs.
12:45	1	¼	Survey @ 2230
1	4:00	3	DRLG 8¾ hole

BOP Tested ✓ DRILLER: R Henley CONTRACTOR'S TIME CO's. TIME

WORK RECORD — 4-12 TOUR

START	STOP	HRS.	
4:00	7:00	3	DRLG 8¾ hole
7:00	7:15	¼	Surv @ 2260
7:15	7:30	¼	Rig Serv + P.O. PS + Kelly cock
7:30	9:30	2	DRLG 8¾ hole.
9:30	12:00	2½	TRIP out + Laydown STABILIZER STRAP out

STRAP out 2278.63
Pipe Tally 2270.
CORRECTION 8.'

BOP Tested ✓ DRILLER: _____ CONTRACTOR'S TIME CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	2177	2203	26'	4	8¾
REAMED					
CORED					

TALLY

No.		LENGTH
19	STANDS	
1	SINGLE	1796.30
13	D.C.'s	390.82
1	STAB	4.46
	KELLY IN	11.42
	TOTAL	2203
	RAT HOLE TOP	

BIT RECORD

BIT No.	4
SIZE	8¾
MAKE	Smith
TYPE	5J5
SERIAL	FL365
JET SIZE	3/13
FROM	2203
TO	2203
FOOTAGE	200
HRS.	27¾
COND.	Rug

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	Ron Saulk	12
DERRICK	C. Campbell	12
MOTORMAN	K. Wilson	12
FLOORMAN	A. Jenkon	12
FLOORMAN	L. Johnson	12
FIREMAN		

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	2203	2244	41	7½	8¾
REAMED					
CORED					

TALLY

No.		LENGTH
19	STANDS	1762.68
1	SINGLE	63.44
13	D.C.'s	390.82
1	STAB	4.46
	KELLY IN	23.00
	TOTAL	2244
	RAT HOLE TOP	

BIT RECORD

BIT No.	8
SIZE	8¾
MAKE	Smith
TYPE	5J5
SERIAL	FL365
JET SIZE	3/13
FROM	2003
TO	2244
FOOTAGE	241
HRS.	35¼
COND.	1-1-1

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	R Henley	12
DERRICK	D Ziemmer	12
MOTORMAN	W Slump	12
FLOORMAN	A Williams	12
FLOORMAN	K McGregor	12
FIREMAN	T Hanson	12

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	2244	2278	34	5	9¾
REAMED					
CORED					

TALLY

No.		LENGTH
20	STANDS	1765.35
	SINGLE	
13	D.C.'s	390.82
1	STAB.	4.46
	KELLY IN	17.37
	TOTAL	2278'
	RAT HOLE TOP	

BIT RECORD

BIT No.	8
SIZE	8¾
MAKE	Smith
TYPE	5J5
SERIAL	FL365
JET SIZE	3/13
FROM	2003
TO	2278
FOOTAGE	275
HRS.	40¼
COND.	2-1-1

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: _____ APPROVED: L Lissmeister

Mobil Oil Canada, Ltd.
DAILY DRILLING REPORT

DATE JAN 8-71 — No. 24 DAILY TIME SHEET 3-35 (REV. 1/68)

FIELD or AREA: Hume River — WELL NAME & No. Mobil Oil Hume River 2-09 — CONTRACTOR Sat. Western Co. LTD — RIG No. 1E — No. 24

Well Mobil Can. LTD Hume River 2-09 — Approved _____ — Date JAN. 8-71

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
2 A.M.	9.1	36			15	47/50	70	11	2029	9°
4 A.M.	9.1	36							2044	9°
6 A.M.	9.1	47	13	3/32					2060	9 1/4
8 A.M.	9.1	40								

LINER SIZE: 5½ STROKE 14"

MUD & CHEMICALS

LBS. Added	KIND
100#	KELTON
100	PLASTER

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
10 A.M.	9.0	36			35	50	70	1140	2090	9 1/4
NOON	9.0	36			15	50	70	1150	2120	10½
2 P.M.	9.0	38			25	50	70	1150		
4 P.M.	9.0	37			25	55	70	1140		

LINER SIZE: 5½ STROKE 11½"

MUD & CHEMICALS

LBS. Added	KIND
100	Caustic
15	Dowmeds B
500	Gel
#100	Kelgum
50	Kelton

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
6 P.M.	9.0	34			25	55	70	1150	2135	10°
8 P.M.	9.0	37							2165	11°
10 P.M.	TRIP									
12 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: _____ APPROVED: _____

WORK RECORD — 12-8 TOUR

START	STOP	HRS.	
12:00	12:15	1/4	Survey @ 2029
12:15	12:30	1/4	Ser. Rig ✓ B.O.P. + Kelly Cock.
12:30	2:15	2 1/4	DRIG.
2:45	3:00	1/4	Survey @ 2044°
3:00	5:00	2	DRLG.
5:00	5:15	1/4	Survey @ 2060°
5:15	8:00	2 3/4	DRLG.

BOP Tested ✓ DRILLER: Ron Smith CONTRACTOR'S TIME CO's. TIME

8-4 TOUR

START	STOP	HRS.	
8:00	9:00	1	DRLG 8¾ hole
9:00	9:15	1/4	Survey @ 2090
9:15	9:30	1/4	Rig Ser. ✓ B.O.P. + Kelly Cock
9:30	2:15	4 3/4	DRLG. 8¾ hole
2:15	2:30	1/4	Survey @ 2120
2:30	4:00	1½	DRLG 8¾ hole

BOP Tested ✓ DRILLER: R. Henley CONTRACTOR'S TIME CO's. TIME

4-12 TOUR

START	STOP	HRS.	
4:00	4:15	1/4	Survey @ 2135
4:15	4:30	1/4	Rig Serv. ✓ B.O.P.
4:30	7:30	3	DRLG. 8¾ hole
7:30	8:00	1/2	Survey @ 2165
8:00	8:30	1/2	DRLG
8:30	11:15	2 3/4	TRIP + Laydown DMR. + Run in
11:15	12:00	3/4	DRLG.

changed head Rubber + Packing on tube Side #1 Pump.

BOP Tested ✓ DRILLER: Ron Smith CONTRACTOR'S TIME CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	2029	2045	56	7	8¾
REAMED					
CORED					

TALLY No.		LENGTH
17	STANDS	
2	SINGLE	1639.63
13	D.C.'s	387.62
1	DC	10.60
2	STAB	9.19
1	RMR.	4.85
	KELLY IN	34.11
	TOTAL	
	RAT HOLE TOP	

BIT RECORD: BIT No. 8 — SIZE 8¾ — MAKE Smith — TYPE 4JS — SERIAL FL365 — JET SIZE 3/13 — FROM 2003 — TO 2045 — FOOTAGE 82 — HRS. 12¼ — COND. Run

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	Ron Smith	12
DERRICK	C. Crawford	12
MOTORMAN	K. Wilson	12
FLOORMAN	A Jenson	12
FLOORMAN	L. Johnson	12
FIREMAN		

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	2045	2138	53	7¼	8¾
REAMED					
CORED					

TALLY No.		LENGTH
17	STANDS	1670.71
1	SINGLE	21.71
13	D.C.'s	387.62
1	DC	10.60
2	Stab	9.19
1	RMR	4.85
	KELLY IN	20.00
	TOTAL	2138
	RAT HOLE TOP	

BIT RECORD: BIT No. 8 — SIZE 8¾ — MAKE Smith — TYPE 4JS — SERIAL FL365 — JET SIZE 3/13 — FROM 2003 — TO 2138 — FOOTAGE 135 — HRS. 1-1½ — COND. Run

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	R Henley	12
DERRICK	D Ziemmer	12
MOTORMAN	W Slemp	12
FLOORMAN	A Williams	12
FLOORMAN	K McGregor	12
~~FIREMAN~~	T Hansen	12

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	2138	2177	39	4¼	8¾
REAMED					
CORED					

TALLY No.		LENGTH
10	STANDS	
2	SINGLE	1737.79
13	D.C.'s	397.62
1		11.66
2		7.19
	KELLY IN	36.66
	TOTAL	2177.00
	RAT HOLE TOP	

BIT RECORD: BIT No. 8 — SIZE 8¾ — MAKE Smith — TYPE 4JS — SERIAL FL365 — JET SIZE 3/13 — FROM 2003 — TO 2177 — FOOTAGE 174 — HRS. 23¾ — COND. Run

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

Mobil Oil Canada, Ltd.
DAILY DRILLING REPORT

DATE Jan. 7-71 — No. 23 DAILY TIME SHEET 3-35 (REV. 1/68)

FIELD or AREA: Hume River — WELL NAME & No. Mobil Hume River 1-09 — CONTRACTOR S&T. Western Co LTD — RIG No. 1E — No. 23

Well Mobil Oil Hume River 1-09 — Approved _____ Date Jan. 7-71

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
2 A.M.	9.0	50			25	80	70	900	1850	5 3/4°
4 A.M.	90	48							1881	6 3/4
6 A.M.	90	40	#8						1911	7°
8 A.M.	90	39							1940	7 1/2

LINER SIZE: 5 1/2 STROKE 14"

MUD & CHEMICALS

LBS. Added	KIND

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
10 A.M.	9.1	41			16	80	70	900		
NOON										
2 P.M.										
4 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND
50#	Caustic
10#	Dawicide B
50#	Kelzan

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
6 P.M.	9.1	41			25	42	70	1300		
8 P.M.	9.1	40								
10 P.M.	9.1	40								
12 P.M.	9.1	38								

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: _____ APPROVED: _____

WORK RECORD — 12-8 TOUR

START	STOP	HRS.	
1200	1215	1/4	DRLG.
1215	1230	1/4	Survey @ 1850
1230	1245	1/4	Sco. Rig & BOP
1245	100	1	DRLG.
145	215	1/2	Survey @ 1881
215	330	1 1/4	DRLG.
330	400	1/2	Survey @ 1911
400	545	1 3/4	DRLG
516	615	1/2	Survey @ 1940 (1971 8 1/4°)
615	745	1 1/2	DRLG.
745	800	1/4	Survey @ 1971

BOP Tested ✓ DRILLER: Ron Smith CONTRACTOR'S TIME CO's. TIME

WORK RECORD — 8-4 TOUR

START	STOP	HRS.	
800	815	1/4	Rig Ser. & BOP.
815	1015	2	DRLG. 8 3/4 hole
1015	1030	1/4	Circ samples
1030	1230	2	Pump out 2 singles & Trip out
1230	130	1	Slip & cut Line
130	400	2 1/2	Worked on Exilers.

BOP Tested ✓ DRILLER: R Hanley CONTRACTOR'S TIME CO's. TIME

WORK RECORD — 4-12 TOUR

START	STOP	HRS.	
400	530	1 1/2	Picked up Reamer Stab. & Ran in w/ Bit #8
530	645	1 1/4	Reaming 100' to P.U.m.
645	1200	5 1/4	DRLG 8 3/4 Hole

BOP Tested _____ DRILLER: _____ CONTRACTOR'S TIME _____ CO's. TIME _____

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	1845	1971	126	5 3/4	8 3/4
REAMED					
CORED					

TALLY No.		LENGTH
15	STANDS	
2	SINGLE	1512.94
13	D.C.'s	390.42
3	Stbs	15.76
1	Sub	.75
1	Cellar	10.60
	KELLY IN	41.00
	TOTAL	1971.00
	RAT HOLE TOP	

BIT RECORD: BIT No. 7; SIZE 8 3/4; MAKE SMITH; TYPE SDS; SERIAL FF663; JET SIZE 2/13 1/14; FROM 1764; TO 1971; FOOTAGE 207; HRS. 8 1/2; COND. Run

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	Ron Smith	12
DERRICK	C. Campbell	12
MOTORMAN	K. Wilson	12
FLOORMAN	A. Jonsen	12
FLOORMAN	L Johnson	12
FIREMAN		

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	1171	2003	32	2	8 3/4
REAMED					
CORED					

TALLY No.		LENGTH
16	STANDS	1481.10
2	SINGLE	63.41
13	D.C.'s	340.52
3	Stbs	15.76
1	Sub	.75
1	Cellar	10.60
	KELLY IN	41.00
	TOTAL	2003.44
	RAT HOLE TOP	

BIT RECORD: BIT No. 7; SIZE 8 3/4; MAKE Smith; TYPE SDS; SERIAL FF663; JET SIZE 3/13 1/14; FROM 1764; TO 2003; FOOTAGE 234; HRS. 10 1/2; COND. 1-1 I

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	R Hanley	
DERRICK	D Ziemmer	
MOTORMAN	W Slemp	
FLOORMAN	A Williams	
FLOORMAN	K McGregor	
FIREMAN	T Hanson	

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	2003	2029	26	5 1/4	8 3/4
REAMED					
CORED					

TALLY No.		LENGTH
17	STANDS	1575.33
	SINGLE	
13	D.C.'s	387.62
1	Cellar	10.60
2	Stbs	9.19
1	Sub	1.45
	KELLY IN	41.00
	TOTAL	2029.00
	RAT HOLE TOP	

BIT RECORD: BIT No. 8; SIZE 8 3/4; MAKE Smith; TYPE SDS; SERIAL FL365; JET SIZE 3/13; FROM 2003; TO 2029; FOOTAGE 26; HRS. 5 1/4; COND. Run

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

Mobil Oil Canada, Ltd.
DAILY DRILLING REPORT

DATE JAN 6-71 | No. 22 | No. 22 DAILY TIME SHEET 3-35 (REV. 1-1/68) | Well Mobil Oil Hume River 2-09 | Approved | Date JAN 6-71

FIELD or AREA: Hume River | WELL NAME & No. Mobil Oil Hume River 2-09 | CONTRACTOR SAT. WINTER DRLG LTD. | RIG No. 1E

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
2 A.M.	89	48	9/10	2/32	5m	126	70	1375	1671	5 1/2
4 A.M.	9	54				120/150	70	1375	1703	4 3/4
6 A.M.	9	59								
8 A.M.	9	59								

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND

START	STOP	HRS.	WORK RECORD 12 - 8 TOUR
12:00	1:15	1 3/4	DRLG.
1:15	1:30	1/4	Survey @ 1671'
1:30	1:45	1/4	Ser. Rig + BOP. + Kelly Cock.
1:45	5:15	3 1/2	DRLG.
5:15	5:30	1/4	Survey @ 1703'
5:30	8:00	2 1/2	DRLG.

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	1665	1732	67'	7 1/4	8 3/4
REAMED					
CORED					

TALLY

No.		LENGTH
14	STANDS	1298.96
	SINGLE	
13	D.C.'s	390.82
1	Stab.	6.70
	KELLY IN	35.53
	TOTAL	1732.00
	RAT HOLE TOP	

BIT RECORD

BIT No.	RR 6
SIZE	8 3/4
MAKE	HW
TYPE	X16
SERIAL	29129
JET SIZE	3/32 3/32
FROM	1502
TO	1732
FOOTAGE	230'
HRS.	21 1/4
COND.	

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	Ron Saulk	12
DERRICK	C. Campbell	12
MOTORMAN	K. Wilson	12
FLOORMAN	A. Jenson	12
FLOORMAN	L. Johnson	12
FIREMAN		

REMARKS AND INJURIES:

BOP Tested ✓ | DRILLER: Ron Saulk | CONTRACTOR'S TIME | CO's. TIME

8 - 4 TOUR

MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
10 A.M. 94	38			6m.	120	70	1775	1735	5
NOON							1765	1765	5 1/2
2 P.M.									
4 P.M.									

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND
1600	Gel
800	Kelzan
50	Mica

START	STOP	HRS.	
8:00	8:30	1/2	DRLG. 8 3/4 hole
8:30	8:45	1/4	Rig Serv. ✓ P.U.'s
8:45	9:00	1/4	Survey @ 1735.
9:00	11:30	2 1/2	DR.LG 8 3/4 hole.
11:30	3:00	3 1/2	Pump out 9 singles. Trip out
3:00	4:00	1	Pick up Stab

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY

No.		LENGTH
11	STANDS	1330.65
1	SINGLE	31.60
13	D.C.'s	390.82
1	Stab.	6.70
	KELLY IN	41.00
	TOTAL	1764
	RAT HOLE TOP	

BIT RECORD

BIT No.	RR 6
SIZE	8 3/4
MAKE	H-W
TYPE	X16
SERIAL	29129
JET SIZE	3/32 1/4
FROM	1502
TO	1764
FOOTAGE	267
HRS.	2 1/4
COND.	3-2-I

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	R Henley	
DERRICK	D Ziemmer	
MOTORMAN	W S Lemp	
FLOORMAN	A Williams	
FLOORMAN	K McGregor	
FIREMAN	T Hanson	

REMARKS AND INJURIES:

BOP Tested ✓ | DRILLER: R. Henley | CONTRACTOR'S TIME | CO's. TIME

4 - 12 TOUR

MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
6 P.M.		8		20	90	70		1779	5 1/2
8 P.M.								1819	5 3/4
10 P.M.	90	37							
12 P.M.	90	54							

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND
100	PLASTER		
50	CAUSTIC		
10	Dowcide B		

START	STOP	HRS.	
4:00	5:00	1	Run in w/ Bit #7
5:00	5:15	1/4	Rig Serv.
5:15	8:45	3 1/2	Reaming From 1459 to 1764
8:45	9:30	3/4	DRLG.
9:30	9:45	1/4	Survey @ 1789
9:45	10:45	1	DRLG.
10:45	11:00	1/4	Survey @ 1819
11:00	12:00	1	DRLG.

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	1769	1845	76	2 3/4	8 3/4
REAMED					
CORED					

TALLY

No.		LENGTH
15	STANDS	1388.58
	SINGLE	
13	D.C.'s	390.02
Stab	3	15.76
1 DRS		.75
1 Collar		10.60
	KELLY IN	35.97
	TOTAL	1845.
	RAT HOLE TOP	

BIT RECORD

BIT No.	7
SIZE	8 3/4
MAKE	Smith
TYPE	FDT
SERIAL	KF663
JET SIZE	3/13 1/8
FROM	1769
TO	1845
FOOTAGE	76
HRS.	2 3/4
COND.	Run

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: R. P. Webber APPROVED: _____

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE JAN 5-71

No. 21 DAILY TIME SHEET 3-35 (REV. 1/68)

FIELD or AREA: Hume River WELL NAME & No. Mobil Oil Hume River L-09 CONTRACTOR S.T. Western Co. LTD. RIG No. 1E No. 21

Well Mobil Hume River L-09

Approved _____ Date JAN. 5-71

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEVIATION DEG.
2 A.M.	88	38		FANNING	120	65	1150	1500	4 3/4
4 A.M.	88	40		DRLG.	120	65	1150	1500	4 3/4
6 A.M.	89	39	12.8	31/32					
8 A.M.									

LINER SIZE: 5 1/2 STROKE 14"

MUD & CHEMICALS

LBS. Added	KIND

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEVIATION DEG.
10 A.M.	88	38	10.6	1/32	7	120	65	1150	1517	4 1/2
NOON	89	37			10a	120	66	1150	1547	4 1/2
2 P.M.	89	37			7	120	65	1150	1580	4 3/4
4 P.M.	88	36			5	120	70	1375	1610	4 3/4

LINER SIZE: 5 1/2 STROKE 14

MUD & CHEMICALS

LBS. Added	KIND

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEVIATION DEG.
6 P.M.	89	40	10.4	1/32	5	120	70	1375	1640	5°
8 P.M.	89	40								
10 P.M.	89	40								
12 P.M.	89	39								

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND
50	Plastic		
50	Kelzan		
500	Gel		
50	Caustic		
20	BIOCIDE B		

WORK RECORD — 12 - 8 TOUR

START	STOP	HRS.	
12:00	12:30	1/2	RUN IN TO 1472'
12:30	1:15	3/4	FANNING TO BOTTOM
1:15	1:30	1/4	SER. RIG & B.O.P.
1:30	3:00	1 1/2	FANNING
3:00	3:15	1/4	SURVEY @ 1500
3:15	6:15	3	FANNING TO BOTTOM
6:15	6:45	1/2	SURVEY
6:45	7:30	3/4	FANNING
7:30	8:00	1/2	DRLG 8 3/4 HOLE.

BOP Tested ✓ DRILLER: Tom Smith CONTRACTOR'S TIME CO's. TIME

8 - 4 TOUR

START	STOP	HRS.	
8:00	8:30	1/2	DRLG. 8 3/4 hole.
8:30	8:45	1/4	Rig Serv. & B.O.P's & Kelly Cock.
8:45	9:00	1/4	Survey @ 15.17.
9:00	10:45	1 3/4	DRLG 8 3/4 hole
10:45	11:00	1/4	Survey @ 1547
11:00	12:45	1 3/4	DRLG. 8 3/4 hole
12:45	1:00	1/4	Survey @ 1580
1:00	3:15	2 1/4	DRLG. 8 3/4 hole
3:15	3:30	1/4	Survey @ 1613
3:30	3:45	1/4	Work tight hole.
3:45	4:00	1/4	DRLG 8 3/4 Hole

BOP Tested ✓ DRILLER: R Hanley CONTRACTOR'S TIME CO's. TIME

4 - 12 TOUR

START	STOP	HRS.	
4:00	4:15	1/4	Rig Serv.
4:15	8:30	4 1/4	DRLG. 8 3/4 hole
8:30	8:45	1/4	Survey @ 1640'
8:45	12:00	3 1/4	DRLG

BOP Tested ✓ DRILLER: Ron CONTRACTOR'S TIME CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	1502	1513	11	1/2	8 3/4
REAMED					
CORED					

TALLY

No.		LENGTH
11	STANDS	1019.35
2	SINGLE	62.27
13	D.C.'s	390.92
1	STAB.	6.70
KELLY IN		33.96
TOTAL		1513.00
RAT HOLE TOP		

BIT RECORD

BIT No.	RR #6
SIZE	8 3/4
MAKE	H-W
TYPE	X16
SERIAL	29128
JET SIZE	2/13 1/11
FROM	1502
TO	1513
FOOTAGE	11
HRS.	1/2
COND.	Run

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	1513	1613	100	6 3/4	8 3/4
REAMED					
CORED					

TALLY

No.		LENGTH
12	STANDS	1160.22
2	SINGLE	61.76
13	D.C.'s	390.82
1	STAB.	6.70
KELLY IN		35.05
TOTAL		16.13
RAT HOLE TOP		

BIT RECORD

BIT No.	RR #6
SIZE	8 3/4
MAKE	H.W.
TYPE	X16
SERIAL	29128
JET SIZE	2/12 1/11
FROM	1502
TO	1613
FOOTAGE	111
HRS.	6 3/4
COND.	Run

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	1613	1665	52	7 1/3	8 3/4
REAMED					
CORED					

TALLY

No.		LENGTH
13	STANDS	
1	SINGLE	1236.97
13	D.C.'s	390.82
1	STAB.	6.70
KELLY IN		30.51
TOTAL		1665.00
RAT HOLE TOP		

BIT RECORD

BIT No.	RR 6
SIZE	8 3/4
MAKE	HW.
TYPE	X16
SERIAL	29128
JET SIZE	2/12 1/11
FROM	1502
TO	1665
FOOTAGE	163
HRS.	14
COND.	Run

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	Ron Smith	12
DERRICK	C. Campbell	12
MOTORMAN	K. Wilson	12
FLOORMAN	A. Jenson	12
FLOORMAN	L. Johnson	12
FIREMAN		

REMARKS AND INJURIES:

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	R Henley	12
DERRICK	D Ziemmer	12
MOTORMAN	W Slemp	12
FLOORMAN	A Williams	12
FLOORMAN	K McGregor	12
FIREMAN	T Hansen	12

REMARKS AND INJURIES:

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: L H Webber APPROVED: _____

Mobil Oil Canada, Ltd.
DAILY DRILLING REPORT

DATE JAN 4-71

No. 20 DAILY TIME SHEET (REV. 1/68) 3-35

FIELD or AREA: Hume River WELL NAME & No. Mobil Hume River 2-09 CONTRACTOR S & T Western Co. LTD No. 20 RIG No. 1E

Well Mobil Oil Can 2-09 Hume River 2-09

Approved _____ Date JAN 4

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
2 A.M.	8.7	38			7	110	73	1295		
4 A.M.	8.7	37								
6 A.M.	Mixing									
8 A.M.	8.7	42	10	2/32						

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND
1000	GEL
100	KILZAN
100	PLASTER
10	DOWSIDE B

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
10 A.M.	8.7	38			5	120	73	1250	1345	3 7/8
NOON	8.4	38			10	120	73	"	1360	2 3/4
2 P.M.	8.8	37	11	2/32	20	"	"	"	1375	3 1/2
4 P.M.					20	"	"	"	1410	4 1/4

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND
50	Caustic

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
6 P.M.	9.1	40			20	120	73	1250	1470	4 1/4
8 P.M.	A	F	I	P	P	S				
10 P.M.										
12 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

WORK RECORD — 12 - 8 TOUR

START	STOP	HRS.	
1200	1215	1/4	Sea Rig v BOR
1215	1245	1/2	Pickup STAB. + Short Collar.
1245	1345	1	Run in w/ B.T. # 6
1345	1445	1	Reaming To Bottom From 1320' To 1315
1445	800	5 1/4	DR26 8 3/4" hole

BOP Tested ✓ DRILLER: Ron CONTRACTOR'S TIME CO's. TIME

8 - 4 TOUR

START	STOP	HRS.	
800	815	1/4	Survey @ 1345
815	830	1/4	R.g Serv. v B.O.P.
830	1130	3	D.R.L.G. 8 3/4 Hole.
1130	1145	1/4	Survey @ 1360
1145	1230	3/4	D.R.L.G. 8 3/4 Hole
1230	1245	1/4	Survey @ 1375
1245	200	1 1/4	D.R.L.G. 8 3/4 Hole
200	215	1/4	Survey @ 1410
215	315	1	DRLG 8 3/4 Hole
315	330	1/4	Survey @ 1425 3 3/4
330	345	1/4	DRLG 8 3/4 Hole
345	400	1/4	Survey @ 1440 4 1/4

BOP Tested ✓ DRILLER: R. Henley CONTRACTOR'S TIME CO's. TIME

4 - 12 TOUR

START	STOP	HRS.	
400	415	1/4	R.g Serv. v B.O.P.
415	500	3/4	DRLG 8 3/4 Hole.
500	515	1/4	Survey @ 1470
515	600	3/4	DRLG 8 3/4 Hole
600	615	1/4	Survey @ 1500.
615	745	1 1/2	Work tight hole + Circ. to Trip out
745	1045	3	Pumped out 10 singles + TRIP out.
1045	1130	3/4	Layed down STAB. + DRILL Collar.
1130	1200	1/2	Pickup BIT Sub MAKE up BIT + RUN 4 Rib STAB 90' ABOVE BIT. + RUN IN

BOP Tested ✓ DRILLER: R. Henley CONTRACTOR'S TIME CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	1315	1347	32	5 1/4	8 3/4
REAMED					
CORED					

TALLY

No.		LENGTH
9	STANDS	932.87
2	SINGLE	62.70
13	D.C.'s	397.62
3	STAB.	12.85
1	Collar	10.00
	KELLY IN	41.00
	TOTAL	1347.00
	RAT HOLE TOP	

BIT RECORD

BIT No.	6
SIZE	8 3/4
MAKE	H-W
TYPE	X1G
SERIAL	29129
JET SIZE	3/32 1/16
FROM	1315
TO	1347
FOOTAGE	32
HRS.	5 1/4
COND.	Run

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	1347	1439	92	6 3/4	8 3/4
REAMED					
CORED					

TALLY

No.		LENGTH
11	STANDS	925.25
2	SINGLE	62.61
17	D.C.'s	387.62
1	DC	10.62
3	STAB.	12.85
	KELLY IN	41.00
	TOTAL	1439
	RAT HOLE TOP	

BIT RECORD

BIT No.	6
SIZE	8 3/4
MAKE	H.W.
TYPE	X1G
SERIAL	29128
JET SIZE	3/32 1/16
FROM	1315
TO	1439
FOOTAGE	124
HRS.	12 1/2
COND.	Pull

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	1439	1502	63	1 1/2	8 3/4
REAMED					
CORED					

TALLY

No.		LENGTH
11	STANDS	1019.35
1	SINGLE	30.90
13	D.C.'s	387.62
1	DC	10.62
3	STAB.	12.85
	KELLY IN	41.00
	TOTAL	1502.42
	RAT HOLE TOP	

BIT RECORD

BIT No.	6
SIZE	8 3/4
MAKE	HWI
TYPE	X1G
SERIAL	29128
JET SIZE	3/32 1/16
FROM	1315
TO	1502
FOOTAGE	187
HRS.	13
COND.	1-1-1

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	Ron Sawik	12
DERRICK	C. Campbell	12
MOTORMAN	K. Wilson	12
FLOORMAN	A. Jensen	12
FLOORMAN	L. Johnson	12
FIREMAN		

REMARKS AND INJURIES:

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	R Henley	12
DERRICK	D Ziemmer	12
MOTORMAN	W Slemp.	12
FLOORMAN	A. Williams	12
FLOORMAN	K. McGregor	12
FIREMAN	T Hanson	12

REMARKS AND INJURIES:

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: L. H. Webber APPROVED: _____

Mobil Oil Canada, Ltd.
DAILY DRILLING REPORT

DATE JAN 3rd - 71

No. 19 DAILY TIME SHEET 3-35 (REV. 1/68)

FIELD or AREA: Hume River WELL NAME & No. Mobil Oil Hume River 2-09 CONTRACTOR S & T. Western Co. LTD No. 19 RIG No. 15

Well Mobil Oil Can. 2-09 Hume River

Approved _____ Date Jan. 3rd 71

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEVIATION DEG.
2 A.M.	9.7	37			3½	20	73	650	1195	3¾°
4 A.M.	9.7	35	B.T.		PM	350				
6 A.M.	9.7	37	H20	2/32					1210	3½°
8 A.M.	9.7	37	PH 9.5							

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND

START	STOP	HRS.	WORK RECORD — 12 - 8 TOUR
12:00	2:15	2¼	T.C.S. Hole w/ Dyna Drill
2:15	2:30	¼	Survey @ 1195°
2:30	2:45	¼	Rig Ser. ✓ BOPs
2:45	6:45	4	T.C.S. Hole Drilling w/ Dyna Drill
6:45	7:00	¼	Survey @ 1210°
7:00	8:00	1	T.C.S. Hole Drilling w/ Dyna Drill

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	1211'	1242	31	7¼	8¾
REAMED					
CORED					

TALLY

No.		LENGTH
8	STANDS	739.66
2	SINGLE	63.11
13	D.C.'s	390.42
1 Dyna Drill		25.85
KELLY IN		23.22
TOTAL		1242.00
RAT HOLE TOP		

BIT RECORD

BIT No.	5
SIZE	9 7/8
MAKE	H-O
TYPE	X1G
SERIAL	29126
JET SIZE	3/14 1/15
FROM	1155
TO	1242
FOOTAGE	87
HRS.	19¾
COND.	

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	Ron Savill	12
DERRICK	C. Campbell	12
MOTORMAN	K. Wilson	12
FLOORMAN	A. Jenson	12
FLOORMAN	J. Johnson	12
FIREMAN		

REMARKS AND INJURIES:

	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEVIATION DEG.
10 A.M.	9.7	37							1225	3¾
NOON	9.7	36		5/32	3/16	20	73	650	1240	3½
2 P.M.	9.7	38							1245	3⅝
4 P.M.	9.7	40								

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND
50	Plastex
50	Kelzan
500	Gel
20	Caustic B.

BOP Tested ✓

START	STOP	HRS.	DRILLER: Ron Savill CONTRACTOR'S TIME CO's. TIME — 8 - 4 TOUR
2:00	9:30	1½	T.C.S. Hole w/ Dyna Drill
9:30	9:45	¼	Survey @ 1225
9:45	10:00	¼	Rig Serv. ✓ BOPs.
10:00	2:30	4½	T.C.S. Hole w/ Dyn. Drill
2:30	2:45	¼	Survey @ 1240
2:45	3:30	¾	T.C.S. Hole Drilling
3:30	3:45	¼	Survey @ 1245°
3:45	4:00	¼	Rig Serv.

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	1242	1272	30	6¾	8¾
REAMED					
CORED					

TALLY

No.		LENGTH
9	STANDS	832.47
	SINGLE	
13	D.C.'s	390.42
1 Dyna Drill		25.85
KELLY IN		23.00
TOTAL		1272
RAT HOLE TOP		

BIT RECORD

BIT No.	5
SIZE	8¾
MAKE	HW.
TYPE	X1G
SERIAL	29126
JET SIZE	3/14 1/15
FROM	1155
TO	1272
FOOTAGE	117
HRS.	26½
COND.	Run

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	R. Hanley	12
DERRICK	D. Ziemann	12
MOTORMAN	W. Sleep	12
FLOORMAN	A. Williams	12
FLOORMAN	K. McGregor	12
~~FIREMAN~~ FLOORM	T. Henson	12

REMARKS AND INJURIES:

	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEVIATION DEG.
6 P.M.	9.7	40				20	73	650	1260	3¾
8 P.M.	9.7	39		2/32		350			1285	3½
10 P.M.	Adding									
12 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

BOP Tested ✓

START	STOP	HRS.	DRILLER: R. Hanley CONTRACTOR'S TIME CO's. TIME — 4 - 12 TOUR
4:00	5:00	1	T.C.S. Hole w/ Dyna Drill
5:00	5:15	¼	Survey @ 1260
5:15	8:45	3½	T.C.S. Hole w/ Dyna Drill
8:45	9:00	¼	Survey @ 1285°
9:00	9:15	¼	Rig Ser. ✓ BOPs + Kelly Cock.
9:15	10:30	1¼	Repeat
10:30	12:00	1½	Break down + Lay down Dyna Drill

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	1272	1315	113'	4½	9¾
REAMED					
CORED					

TALLY

No.		LENGTH
9	STANDS	832.47
1	SINGLE	31.55
13	D.C.'s	390.42
1 Dyna Drill		25.85
KELLY IN		33.91
TOTAL		1315.00
RAT HOLE TOP		

BIT RECORD

BIT No.	5
SIZE	8 3/4
MAKE	HW.
TYPE	X1G
SERIAL	29126
JET SIZE	3/14 1/15
FROM	1155
TO	1315
FOOTAGE	160
HRS.	31
COND.	

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

BOP Tested ✓ DRILLER: Ron CONTRACTOR'S TIME CO's. TIME

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: R. Webber APPROVED: _____

Mobil Oil Canada, Ltd.
DAILY DRILLING REPORT

DATE Jan 2 - 71 | No. 12 DAILY TIME SHEET 3-35 (REV. 1/68) | No. 12

FIELD or AREA: Hume Rivers WELL NAME & No. Mobil Home Rivers 2-09 CONTRACTOR Sat. Western Drlg Co. RIG No. 16

Well Mobil Oil Hume River 2-09

Approved _____ Date Jan 2/71

TIME	MUD RECORD WT.	VISC.	W.L.	F.C	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
2 A.M.	8.6	30			35	75/80	73	540	1175	3 1/2°
4 A.M.	8.6	39		PH. 10.5		120			1190'	3 3/4
6 A.M.	8.6	39	30						1205	4°
8 A.M.	TRIPPING									

LINER SIZE: 5 1/2 STROKE 14"

MUD & CHEMICALS

LBS. Added	KIND
500#	GEL
100#	Kelzan

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
10 A.M.										
NOON	8.7	37								
2 P.M.	8.7	36								
4 P.M.	8.6	40								

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND
50	Plastex
50	Caustic
500	Gel
50	Kelzan

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
6 P.M.	8.7	39				20	73	650	1160	3 1/2°
8 P.M.	8.7	36	28	11/32	5.5	100				
10 P.M.		PH. 9.5								
12 P.M.	8.7	38								

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND
15#	Dow. B		

WORK RECORD — 12 - 8 TOUR

START	STOP	HRS.	
12:00	12:15	1/4	Survey @ 1175
12:15	2:05	2 1/2	DRLG. 8 3/4" hole.
2:05	3:00	1/4	Survey @ 1190'
3:00	3:15	1/4	Ser. Rig ✓ B.O.P.'s Kelly Cock.
3:15	6:15	3	DRLG. 8 3/4 hole.
6:15	6:30	1/4	Survey @
6:30	7:00	1/2	DRLG.
7:00	8:00	1	TRIP OUT

BC.I Tested ✓ DRILLER: Ron Sawill CONTRACTOR'S TIME CO's. TIME

8 - 4 TOUR

START	STOP	HRS.	
8:00	8:15	1/4	Rig Serv. ✓ B.O.P.'s.
8:15	9:30	1 3/4	Layed down Stds & Pick up Dyna Drill
9:30	10:30	1	Run in w/ Dyna Drill
[illegible]			[illegible]
10:30	4	5 1/2	Fanning From 1185'

BOP Tested ✓ DRILLER: R. Henley CONTRACTOR'S TIME CO's. TIME

4 - 12 TOUR

START	STOP	HRS.	
4:00	7:00	5	Fanning Hole
7:00	7:15	1/4	Survey @ 1160
7:15	7:30	1/4	Ser. Rig ✓ BOP - Kelly Cock.
7:30	10:45	1 1/4	FANNING Hole
10:45	11:15	1/2	change Relay Switch on Air Compressor.
11:15	12:00	3/4	FANNING hole TO 1211'

BOP Tested ✓ DRILLER: D. Saul CONTRACTOR'S TIME CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	1181	1216	35	6	8 3/4
REAMED					
CORED					

TALLY No.		LENGTH
8	STANDS	739.00
1	SINGLE	31.45
13	D.C.'s	387.62
3	Stabs	16.16
1	Collar	10.60
	KELLY IN	31.12
	TOTAL	1216.00
	RAT HOLE TOP	

BIT RECORD

BIT No.	4
SIZE	8 3/4
MAKE	Smith
TYPE	DT
SERIAL	[illegible] 869
JET SIZE	2 - 12/32 - 13/32
FROM	1175
TO	1216
FOOTAGE	41
HRS.	6 3/4
COND.	

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	1155	1210	15	5 1/2	8 3/4
REAMED					
CORED					

TALLY No.		LENGTH
8	STANDS	734
	SINGLE	31.48
13	D.C.'s	387.62
1	Bent Sub	23.8
	KELLY IN	17'
	TOTAL	1200
	RAT HOLE TOP	

BIT RECORD

BIT No.	5
SIZE	8 3/4
MAKE	HW
TYPE	X16
SERIAL	29136
JET SIZE	3 - 13/32 - 15/32
FROM	1185
TO	1200
FOOTAGE	15
HRS.	5 1/2
COND.	

	FROM	TO	FOOTAGE	HRS.	SIZE
~~DRILLED~~ REAMED	1170	1211	41	7	8 3/4
CORED					

TALLY No.		LENGTH
7	STANDS	739.00
1	SINGLE	31.45
13	D.C.'s	390.02
1	Bent Sub	23.05
	KELLY IN	23.45
	TOTAL	1211.00
	RAT HOLE TOP	

BIT RECORD

BIT No.	6
SIZE	8 3/4
MAKE	H-W
TYPE	X16
SERIAL	29136
JET SIZE	3 - 13/32 - 15/32
FROM	1155
TO	1211
FOOTAGE	56
HRS.	12 1/2
COND.	Rus

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	Ron Sawill	12
DERRICK	C. Campbell	12
MOTORMAN	K. Wilson	12
FLOORMAN	A. Jensen	12
FLOORMAN	L. Johnson	12
FIREMAN		

REMARKS AND INJURIES:

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	R. Henley	12
DERRICK	D. Ziemmer	12
MOTORMAN	W. Stemp	12
FLOORMAN	A. Williams	12
FLOORMAN	K. McGregor	12
FIREMAN	T. Hansen	12

REMARKS AND INJURIES:

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: R. Mackeben APPROVED: _____

Mobil Oil Canada, Ltd.
DAILY DRILLING REPORT

DATE Jan 2 - 71 — No. 18 DAILY TIME SHEET 3-35 (REV. 1/68)

FIELD or AREA: Hume River — WELL NAME & No. Mobil Hume River 2-09 — CONTRACTOR S.T. Western Dely Co. — RIG No. 16 — No. 18

Well Mobil Oil Hume River 2-09

Approved _____ Date Jan 2/71

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
2 A.M.	8.6	30			35	78/80	73	540	1175	3 1/2°
4 A.M.	8.6	39		PH 10.5		120			1190'	3 3/4
6 A.M.	8.6	39	30						1205	4°
8 A.M.	TRIPPING									

LINER SIZE: 5½ STROKE 14"

MUD & CHEMICALS

LBS. Added	KIND
500#	GEL
100#	KELZAN

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
10 A.M.										
NOON	8.7	37								
2 P.M.	8.7	36								
4 P.M.	8.6	40								

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND
50	Plastex
50	Caustic
500	Gel
50	Kelzan

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
6 P.M.	8.7	38				20	73	650	1160	3½°
8 P.M.	8.7	36	28	4½	13.13	100				
10 P.M.		PH 9.5								
12 P.M.	8.7	38								

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND
15#	Dow. B		

WORK RECORD — 12 - 8 TOUR

START	STOP	HRS.	
12:00	12:15	¼	Survey @ 1175
12:15	2:45	2½	DRLG. 8 3/4" hole.
2:45	3:00	¼	Survey @ 1190'
3:00	3:15	¼	Ser. Rig & B.O.P. & Kelly Cock.
3:15	6:15	3	DRLG. 8 3/4 hole.
6:15	6:30	¼	Survey @
6:30	7:00	½	DRLG.
7:00	8:00	1	TRIP OUT

BOP Tested ✓ DRILLER: Ron Savill CONTRACTOR'S TIME CO's. TIME

8 - 4 TOUR

START	STOP	HRS.	
8:00	8:15	¼	Rig Serv. & B.O.P.S.
8:15	9:30	1¼	Layed down St-1 & Pick up Dyna Drill
9:30	10:30	1	Run in w/ Dyna Drill
			From 1185'
10:30	4	5½	

BOP Tested ✓ DRILLER: R. Henley CONTRACTOR'S TIME CO's. TIME

4 - 12 TOUR

START	STOP	HRS.	
4:00	7:00	5	Fanning Hole
7:00	7:15	¼	Survey @ 1160
7:15	7:30	¼	Ser. Rig & BOP - Kelly Cock.
7:30	10:45	1¼	Fanning Hole
10:45	11:15	½	change Relay Switch on Air Compressor.
11:15	12:00	¾	Fanning hole to 1211'

1 Dyna Drill 32.05

BOP Tested ✓ DRILLER: T. Sonier CONTRACTOR'S TIME CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	1181	1216	35	6	8 3/4
REAMED					
CORED					

TALLY

No.		LENGTH
8	STANDS	734.00
1	SINGLE	31.45
13	D.C.'s	387.62
3	STAB'S	16.16
1	Cross	10.60
	KELLY IN	33.12
	TOTAL	1216.00
	RAT HOLE TOP	

BIT RECORD

BIT No.	4
SIZE	8 3/4
MAKE	Smith
TYPE	DT
SERIAL	8869
JET SIZE	3/16 3/16
FROM	1175
TO	1216
FOOTAGE	41
HRS.	6 3/4
COND.	

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
~~FOOTAGE~~ REAMED	115'	1216	15	5½	8 3/4
CORED					

TALLY

No.		LENGTH
8	STANDS	734
	SINGLE	31.45
13	D.C.'s	387.62
1	Bent Sub	21.8
	KELLY IN	17'
	TOTAL	1200
	RAT HOLE TOP	

BIT RECORD

BIT No.	5
SIZE	8 3/4
MAKE	HW
TYPE	X16
SERIAL	29126
JET SIZE	3/16 15
FROM	1175'
TO	1200
FOOTAGE	15'
HRS.	5½
COND.	

	FROM	TO	FOOTAGE	HRS.	SIZE
~~DRILLED~~	1170	1211	41	7	8 3/4
~~FOOTAGE~~ REAMED					
CORED					

TALLY

No.		LENGTH
9	STANDS	739.00
1	SINGLE	31.45
13	D.C.'s	390.72
1	Dyna Drill	32.05
	KELLY IN	33.45
	TOTAL	1211.00
	RAT HOLE TOP	

BIT RECORD

BIT No.	6
SIZE	8 3/4
MAKE	H.W.
TYPE	X16
SERIAL	29126
JET SIZE	15 ½
FROM	1155
TO	1211
FOOTAGE	56
HRS.	13½
COND.	Run

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	Ron Savill	12
DERRICK	C. Campbell	12
MOTORMAN	K. Wilson	12
FLOORMAN	A. Jensen	12
FLOORMAN	L. Johnson	12
FIREMAN		

REMARKS AND INJURIES:

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	R. Henley	12
DERRICK	D. Ziemmer	12
MOTORMAN	W. Stemp.	12
FLOORMAN	A. Williams	12
FLOORMAN	K. McGregor	12
FIREMAN	T. Hansen	12

REMARKS AND INJURIES:

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: L. Hebert APPROVED: _____

[redacted] Oil Canada, Ltd.

DRILLING REPORT

[redacted] 1/71

DAILY TIME SHEET 3-35 (REV. 1/68)

FIELD or AREA: Hume Rivers WELL NAME & No. Mobil Hume Rivers 1-09 CONTRACTOR S & T. Western Ltd No. 47

Well Mobil Hume Rivers L-09

RIG No. 1E Approved _____ Date Jan 1/71

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEVIATION DEG.
2 A.M.	8.6	30				20	73	600	1130'	3¼°
4 A.M.	8.5	30			3.0T	350			1145'	3½°
6 A.M.	8.5	30								
8 A.M.	8.5	30								

LINER SIZE: 5½ STROKE 14"

MUD & CHEMICALS

LBS. Added	KIND
500#	GEL.

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEVIATION DEG.
10 A.M.	8.6	30				20	73	600	1160	3¾
NOON										
2 P.M.										
4 P.M.										

LINER SIZE: 5½ STROKE 14

MUD & CHEMICALS

LBS. Added	KIND
50#	PLASTER
100#	KELZAN

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEVIATION DEG.
6 P.M.	[illegible]					75/80	73	600	1150'	3¾°
8 P.M.										
10 P.M.	8.6	30	PH 10.5							
12 P.M.	8.6	30								

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

WORK RECORD — 12-8 TOUR

START	STOP	HRS.	
12⁰⁰	1⁰⁰	1	T.C.S. DRLG w/Dyna Drill
1⁰⁰	1¹⁵	¼	Survey @ 1130'
1¹⁵	1³⁰	¼	Ser. Rig & BOPs & Kelly Cock.
1³⁰	4⁴⁵	3¼	T.C.S. Hole DRLG w/Dyna Drill
4⁴⁵	5⁴⁵	1	Clean on Rig Comp & Motor Reset.
5¹⁵	6⁴⁵	1	T.C.S. Hole DRLG w/Dyna Drill
6⁴⁵	7⁰⁰	¼	Survey @ 1145
7⁰⁰	8⁰⁰	1	T.C.S. Hole DRLG w/Dyna Drill

BOP Tested ✓ DRILLER: Ron Snell CONTRACTOR'S TIME CO's. TIME

8-4 TOUR

START	STOP	HRS.	
8⁰⁰	10³⁰	2½	T.C.S. Hole DRLG w/ Dyna Drill
10³⁰	10⁴⁵	¼	Survey @ 1160
10⁴⁵	11⁰⁰	¼	Ser. Rig & BOPs.
11⁰⁰	4⁰⁰	5	T.C.S. Hole DRLG w/ Dyna Drill

BOP Tested ✓ DRILLER: R. Hunt CONTRACTOR'S TIME CO's. TIME

4-12 TOUR

START	STOP	HRS.	
4⁰⁰	4³⁰	½	T.C.S. Hole DrLG w/ Dyna Drill
4³⁰	6⁰⁰	1½	Dropped Sur. & Hoist For B.I
6⁰⁰	6¹⁵	¼	Rig Serv & BOPs.
6¹⁵	7⁴⁵	1½	Layed down Dyna Drill & pick-up Collars & St.Dr
7⁴⁵	9⁰⁰	1¼	T.I.H. w/B.I #4
9⁰⁰	11¹⁵	2¼	Ream From 1050 To 1175'
11¹⁵	12⁰⁰	¾	Drl. 8¾" hole

BOP Tested ✓ DRILLER: Bobbie & Ron CONTRACTOR'S TIME CO's. TIME

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: P. H. Webber APPROVED: J. F. Lawson.

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	1125	1149	24	6¼	8¾
REAMED					
CORED					

TALLY

No.		LENGTH
7	STANDS	644.90
2	SINGLE	62.67
13	D.C.'s	390.92
1 Dynadrill		25.85
KELLY IN		24.76
TOTAL		1149
RAT HOLE TOP		

BIT RECORD

BIT No.	RR #1
SIZE	8¾
MAKE	H-W
TYPE	X16
SERIAL	20096
JET SIZE	7/16 7/16
FROM	1046
TO	1149
FOOTAGE	63
HRS.	18
COND.	Run

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	Ron Snell	12
DERRICK	C. Campbell	12
MOTORMAN	K. Wilson	12
FLOORMAN	A. Jenson	12
FLOORMAN	L. Johnson	12
FIREMAN		

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	1149	1173	24	7½	8¾
REAMED					
CORED					

TALLY

No.		LENGTH
9	STANDS	739.06
	SINGLE	
13	D.C.'s	390.82
1 Dyna Drill		25.85
KELLY IN		18.05
TOTAL		1173
RAT HOLE TOP		

BIT RECORD

BIT No.	RR #1
SIZE	8¾
MAKE	HW
TYPE	X16
SERIAL	38046
JET SIZE	7/16 7/16
FROM	1149
TO	1173
FOOTAGE	24
HRS.	25½
COND.	Run

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	R. Hunt	12
DERRICK	D. Lemmer	12
MOTORMAN	W. Sheep	12
FLOORMAN	A. Williams	12
FLOORMAN	K. McCreary	12
FIREMAN	T. Hansen	12

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	1173	1181	2'	1¼	8¾
REAMED					
CORED					

TALLY

No.		LENGTH
9	STANDS	739.60
	SINGLE	
13	D.C.'s	388.62
THR		16.86
Collar		18.66
KELLY IN		37.62
TOTAL		1180.00
RAT HOLE TOP		

BIT RECORD

BIT No.	[redacted]		#4
SIZE	[redacted]		8¾
MAKE	HW		SMITH
TYPE	X16		DT
SERIAL	38046		CR969
JET SIZE	7/16 7/16		16 16 16
FROM	[redacted]		1175
TO	1175		1181
FOOTAGE	89		6
HRS.	30		3/4
COND.	[illegible]		Run

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

Mobil Oil Canada, Ltd.
DAILY DRILLING REPORT

DATE Dec. 31-70 — No. 16 DAILY TIME SHEET 3-35 (REV. 1-1/68)

FIELD or AREA: Hume River — WELL NAME & No. Mobil Oil Hume R. No. 1-09 — CONTRACTOR S.T. DRILLING (1970) LTD. — RIG No. 1E — Well Mobil Hume River No. 16 — Approved — Date Dec. 31-70

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
2 A.M.	8.4	24				20	73	625	1070'	3¾°
4 A.M.					RR BIT	350				
6 A.M.										
8 A.M.	8.4	30								

LINER SIZE: 5½ STROKE 14"

MUD & CHEMICALS

LBS. Added	KIND
800#	GEL
450#	Kelzan
100#	Caustic
50#	Plaster

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
10 A.M.	8.5	24				20	73	625	1085	3¾
NOON	8.5	30							1[illegible]	3
2 P.M.	8.5	30								
4 P.M.									1090	3¾

LINER SIZE: 5½ STROKE 14"

MUD & CHEMICALS

LBS. Added	KIND
Kelzan	
60	Kelzan
50	Plaster

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
6 P.M.	8.6	30				20	73	625	1100	3¼
8 P.M.	8.6	30			RR BIT	350			1115	3½
10 P.M.	8.6	30								
12 P.M.	8.6	30								

LINER SIZE: 5½ STROKE 14"

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: P. Hubbes APPROVED: E. Kramm

WORK RECORD — 12-8 TOUR

START	STOP	HRS.	
12:00	2:15	2¼	DRLG T.C.S w/ Dyna Drill.
2:15	2:30	¼	Survey @ 1070'
2:30	2:45	¼	Srv. Rig & BOP + Kelly Cock.
2:45	3:00	¼	CLEAN Suction Tank + Displace Hole
3:00	8:00	5	DRILL T.C.S w/ Dyna Drill.

BOP Tested ✓ DRILLER: Ron Savill CONTRACTOR'S TIME CO's. TIME

8-4 TOUR

START	STOP	HRS.	
8:00	8:15	¼	Survey @ 1085'
8:15	8:30	¼	R.g. Serv. & B.O.P's
8:30	9:00	½	Drill T.C.S w/ Dyna Drill
9:00	10:15	1¼	Hoist for B.I.T + Laid down Stabilizer
10:15	11:15	1	Run in w/ B.I.T
11:15	1:15	2	Drill T.C.S w/D Dyna Drill
1:15	1:30	¼	Survey @ 1090
1:30	4:00	2½	Drill T.C.S w/ Dyna Drill

BOP Tested ✓ DRILLER: R. Henley CONTRACTOR'S TIME CO's. TIME

4-12 TOUR

START	STOP	HRS.	
4:00	4:15	¼	Survey @ 1100'
4:15	4:30	¼	Rig Ser. & BOP.
4:30	8:45	4¼	Drill TCS. w/ Dyna Drill
8:45	9:00	¼	Survey @ 1115'
			T.C.S Drill w/Dyna Drill

BOP Tested ✓ DRILLER: Ron Savill CONTRACTOR'S TIME CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	1062	1085	23	7¼	8¾
REAMED					
CORED					

TALLY No.		LENGTH
7	STANDS	644.90
	SINGLE	
13	D.C.'s	390.92
2	STAB.	9.06
Dyna Drl		25.45
KELLY IN		111.37
TOTAL		1085'
RAT HOLE TOP		

BIT RECORD	
BIT No.	RR 3
SIZE	8¾
MAKE	H-W
TYPE	X16
SERIAL	24129
JET SIZE	7/32 7/32
FROM	975
TO	1025
FOOTAGE	110
HRS.	35½
COND.	Rusty

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	Ron Savill	12
DERRICK	C. Campbell	12
MOTORMAN	K. Wilson	12
FLOORMAN	B Jenson	12
FLOORMAN	L Johnson	12
FIREMAN		

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	1085	1100	15	5	8¾
REAMED					
CORED					

TALLY No.		LENGTH
7	STANDS	644.90
	SINGLE	
13	D.C.'s	390.82
1	Dyna Drl	25.85
KELLY IN		39.01
TOTAL		1100'
RAT HOLE TOP		

BIT RECORD		
BIT No.	RR 3	RR 1
SIZE	8¾	8¾
MAKE	HW	HW
TYPE	X16	X16
SERIAL	24128	28096
JET SIZE	7/32	1/15 7/32 2/32
FROM	1085	1086
TO	1086	1100
FOOTAGE	1	14
HRS.	½	4½
COND.		

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	R. Henley	12
DERRICK	D Ziemmer	12
MOTORMAN	W Siemp	12
FLOORMAN	A. Wilkinson	12
FLOORMAN	K. McGregor	12
FIREMAN Floor	T Hoosen	12

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	1100	1125	25	7¼	8¾
REAMED					
CORED					

TALLY No.		LENGTH
7	STANDS	644.90
1	SINGLE	31.04
13	D.C.'s	390.12
1	Dyna Drl	25.05
KELLY IN		32.39
TOTAL		1125'
RAT HOLE TOP		

BIT RECORD	
BIT No.	RR 1
SIZE	8¾
MAKE	H-W
TYPE	X16
SERIAL	24096
JET SIZE	7/32 3/15
FROM	1086
TO	1125
FOOTAGE	39
HRS.	4¾
COND.	Rusty

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE Dec 30/70

No. 15 DAILY TIME SHEET 3-35 (REV. 1/68)

FIELD or AREA: Hume River WELL NAME & No. Mobil Hume River L-09 CONTRACTOR S+T Drilling (Western) Co Ltd RIG No. 1E No. 15

Well Mobil Hume River L-09

Approved _____ Date Dec 30/70

MUD RECORD

TIME	WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEVIATION DEG.
2 A.M.	9.4	38				20	73	650	990	3 1/2
4 A.M.	9.4	28	6.5	K/M		350				
6 A.M.	9.4	28								
8 A.M.										

LINER SIZE: 5 1/2 STROKE 14

MUD & CHEMICALS

LBS. Added	KIND

WORK RECORD — 12 - 8 TOUR

START	STOP	HRS.	
12:00	12:30	3/4	T.C.S Hole drlg w/ Hyundrill
12:30	1:00	1/2	Survey @ 990' 3 1/2°
1:00	1:15	1/4	Rig Service & BOPs
1:15	6:45	5 1/2	T.C.S Hole drlg w/ Hyundrill
6:45	8:00	1 1/4	Work on Electrical Equipment

BOP Tested

DRILLER: D. Blevins CONTRACTOR'S TIME CO's. TIME

START	STOP	HRS.	8 - 4 TOUR
8:00	11:30	3 1/2	WORK ON ELECTRICAL EQUIPMENT
11:30	11:45	1/4	RIG SERV & BOPS
11:45	12:00	1/4	SURVEY @ 1011'
12:00	12:45	3/4	HOIST TO ✓ BIT
12:45	1:45	1	RUN IN W/ SAME BIT - CUT RUBBER ON PIT
1:45	3:00	1 1/4	T.C.S HOLE DRLG W/ DUNHAM DRILL

BOP Tested

DRILLER: D. J. Doyle CONTRACTOR'S TIME CO's. TIME

START	STOP	HRS.	4 - 12 TOUR
4:00	5:30	1 1/2	T.C.S Hole DRLG. w/ Dyna Drill
5:30	5:45	1/4	Survey @ 1050
5:45	6:00	1/4	Service Rig ✓ BOP.
6:00	8:45	2 3/4	T.C.S. Hole DRLG. w/ Dyna Drill
8:45	9:00	1/4	Survey @ 1055
9:00	12:00	3	T.C.S. Hole DRLG. w/ Dyna Drill

BOP Tested

DRILLER: Ron + Rollie CONTRACTOR'S TIME CO's. TIME

MUD RECORD

	WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEVIATION DEG.
10 A.M.	9.4	28		1/32		20	73	650	1011'	3 3/4°
NOON	9.4	28	8.5	RPM		350				
2 P.M.	9.4	28								
4 P.M.	9.4	28								

LINER SIZE: 5 1/2" STROKE 14"

MUD & CHEMICALS

LBS. Added	KIND

MUD RECORD

	WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEVIATION DEG.
6 P.M.	9.4	28				20	73	650	1050	3 1/2°
8 P.M.	9.4	28		BIT		350			1055	3 3/4°
10 P.M.	9.4	28								
12 P.M.	9.4	28								

LINER SIZE: 5 1/2" STROKE 14"

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

DRILLED / REAMED / CORED

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	1013	1036	23	6 1/4	8 3/4
REAMED					
CORED					

TALLY

No.		LENGTH
6	STANDS	552.21
1	SINGLE	31.69
13	D.C.'s	390.82
2	Stbl.	9.06
Dynadrill		25.85
KELLY IN		26.37
TOTAL		1036.00
RAT HOLE TOP		

BIT RECORD

BIT No.	RR #3
SIZE	8 3/4
MAKE	HW
TYPE	X1G
SERIAL	28128
JET SIZE	2/9 1/5
FROM	975
TO	1036
FOOTAGE	61
HRS.	18 3/4
COND.	Used

DRILLED / REAMED / CORED

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	1036	1044	8'	2 1/4	8 3/4
REAMED					
CORED					

TALLY

No.		LENGTH
6	STANDS	552.21
1	SINGLE	31.69
13	D.C.'s	390.82
2	Stbs.	9.06
Dyna-Drill		25.85
KELLY IN		34.37
TOTAL	1044	
RAT HOLE TOP		

BIT RECORD

BIT No.	RR #3
SIZE	8 3/4
MAKE	H-W
TYPE	X1G
SERIAL	28128
JET SIZE	2/9 1/5
FROM	975
TO	1044
FOOTAGE	69'
HRS.	21
COND.	Used

DRILLED / REAMED / CORED

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	1044	1062	18	7 1/4	8 3/4
REAMED					
CORED					

TALLY

No.		LENGTH
6	STANDS	552.21
2	SINGLE	62.38
13	D.C.'s	390.82
2	Stbs.	9.06
Dyna-Drill		25.45
KELLY IN		22.00
TOTAL	1062	
RAT HOLE TOP		

BIT RECORD

BIT No.	RR 3
SIZE	8 3/4
MAKE	H-W
TYPE	X1G
SERIAL	28128
JET SIZE	2/9 1/5
FROM	975
TO	1062
FOOTAGE	87'
HRS.	20 1/4
COND.	Run

Tour 1	Midnite to 8 A.M.	Hrs.	
DRILLER	D. J. Blevins	8 + 8	T
DERRICK	J. Symthe	8 + 8	R
MOTORMAN	J. Wilson	8 + 8	A
FLOORMAN	C. Pitchford	8 + 8	V
FLOORMAN	J. Kendall	8 + 8	E
FIREMAN			L

REMARKS AND INJURIES:

Tour 2	8 A.M. to 4 P.M.	Hrs.	
DRILLER	D. J. DOYLE	8 - 8	T
DERRICK	G. CAMPBELL	12	
MOTORMAN	K. WILSON	12	
FLOORMAN	A. JENSEN	12	
FLOORMAN	L. JOHNSON	12	
FIREMAN	T. HANSON	12	

REMARKS AND INJURIES:

Tour 3	4 P.M. to Midnite	Hrs.	
DRILLER	RON SAVILL	11 + 0	TRAV.
DERRICK	D. ZIEMMER	4 - 8	TRAV
MOTORMAN	W. SLEMP	4 - 8	TRAV
FLOORMAN	A. WILLIAMS	4 - 8	TRAV
FLOORMAN	K. MCGREGOR	4 - 8	TRAV
FIREMAN			
DRILLER	R. HENLEY	11 - 8	TRAV

REMARKS AND INJURIES:

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS. BOILER FUEL CONSUMPTION _____ GALS. WIRELINE TON MILE _____ TOOL PUSHER E. Belcher APPROVED: K. Larsen.

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE Dec 29/70

No. 14 DAILY TIME SHEET 3-35 (REV. 1/68)

FIELD or AREA Home Rainbow N.W.T. WELL NAME & No. Mobil Home Rainbow I-65 CONTRACTOR S.T. Drilling (Western) Co. Ltd. No. 14 RIG No. 15

Well Mobil Home Rainbow I-65

Approved _____ Date Dec 29/70

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
2 A.M.	8.4	28				30	73	650		
4 A.M.	8.4	28	A-1	Kpa		350				
6 A.M.	8.4	28								
8 A.M.	8.4	28								

LINER SIZE: 5½ STROKE 14"

MUD & CHEMICALS

LBS. Added	KIND

START	STOP	HRS.	WORK RECORD 12 - 8 TOUR
12:00	12:15	¼	Rig Service & Blind Ream
12:15	1:00	¾	Ream 2nd. pick up Spiral Stab.
1:00	8:00	7	Fanning Hole w/Dyna drill from 926'
			Spiral Stabilizers @ 56' & 86' from bit = RR3

BOP Tested

DRILLER: D. Dinning CONTRACTOR'S TIME CO's. TIME

FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED 975				8¾
REAMED				
CORED				

TALLY No.		LENGTH
5	STANDS	5W.47
1	SINGLE	
13	D.C.'s	390.82
2	Stabs	9.06
1	Spiral drill	25.85
	KELLY IN	27.80
	TOTAL	975.00
	RAT HOLE TOP	

BIT RECORD	
BIT No.	RR 3
SIZE	8¾
MAKE	HW
TYPE	XIG
SERIAL	28128
JET SIZE	
FROM	975
TO	
FOOTAGE	
HRS.	
COND.	

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	D. Dinning	12
DERRICK	J. Smythe	12
MOTORMAN	J. Nelson	12
FLOORMAN	O. Thibert	12
FLOORMAN	T. Kindle	12
FIREMAN		

REMARKS AND INJURIES:

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
10 A.M.	8.4	28				20	77	650	945	3½
NOON	8.4	28	A-1	Kpa		350			956	3¾
2 P.M.	8.4	28								
4 P.M.	8.4	28								

LINER SIZE: 5½ x STROKE 14"

MUD & CHEMICALS

LBS. Added	KIND

START	STOP	HRS.	
8:00	8:15	¼	Rig Serv. ✓ B.O.P's
8:15	10:30	2¼	Fanning Hole w/ Dyna-Drill from 960'
10:30	10:45	¼	Survey @ 945'
10:45	2:15	3½	T.C.S. Hole Drlg. w/ Dyna-Drill
2:15	2:30	¼	Survey @ 956'
2:30	4:00	1½	T.C.S. Hole Drlg. w/ Dyna-Drill

BOP Tested

DRILLER: D. J. Doyle CONTRACTOR'S TIME CO's. TIME

8 - 4 TOUR

FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED 975	990	15	5	8¾
REAMED				
CORED				

TALLY No.		LENGTH
6	STANDS	552.21
	SINGLE	
13	D.C.'s	390.82
2	STABS	9.06
1	Spiral Stab	25.85
	KELLY IN	12.06
	TOTAL	990.00
	RAT HOLE TOP	

BIT RECORD	
BIT No.	RR 3
SIZE	8¾
MAKE	H.W.
TYPE	XIG
SERIAL	28128
JET SIZE	11: 3/16
FROM	975
TO	990
FOOTAGE	15
HRS.	5
COND.	

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	D. Doyle	12
DERRICK	R. Campbell	12
MOTORMAN	K. Wilson	12
FLOORMAN	A. Jenson	12
FLOORMAN	L. Johnson	12
FIREMAN	T. Hanson	12

REMARKS AND INJURIES:

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
6 P.M.	8.9	28				20	73	650	971	3¾
8 P.M.	✓	✓	A-1	Kpa		350				
10 P.M.	✓	✓								
12 P.M.	✓	✓								

LINER SIZE: 5½" x STROKE 14"

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

START	STOP	HRS.	
4:00	4:15	¼	Rig Serv. ✓ B.O.P's
4:15	7:45	3½	T.C.S. Hole Drlg. w/ Dyna-Drill
7:45	8:00	¼	Survey @ 971
8:00	12:00	4	T.C.S. Hole Drlg. w/ Dyna-Drill

BOP Tested ✓

DRILLER: Don Doyle CONTRACTOR'S TIME CO's. TIME

4 - 12 TOUR

FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED 990	1013	23'	7½	8¾
REAMED				
CORED				

TALLY No.		LENGTH
6	STANDS	552.21
	SINGLE	
13	D.C.'s	390.82
2	Stabs	9.06
1	Spiral drill	25.85
	KELLY IN	35.06
	TOTAL	1013.00
	RAT HOLE TOP	

BIT RECORD	
BIT No.	RR 3
SIZE	8¾
MAKE	H.W.
TYPE	XIG
SERIAL	28128
JET SIZE	11: 3/16
FROM	975
TO	1013
FOOTAGE	38'
HRS.	12½
COND.	Run

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: _____ APPROVED: K. F. Dunn

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE Dec 28/70

No. 13 DAILY TIME SHEET 3-35 (REV. 1/68)

FIELD or AREA: Stoddart Hume Rivers WELL NAME & No. Stoddart Hume Rivers L-09 CONTRACTOR Sit Drilling (Western) Co. Ltd. RIG No. 1E No. 13

Well Stoddart Hume Rivers L-09

Approved _____ Date Dec 29/70

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
2 A.M.	8.4	28				20	73	550	915	3½
4 A.M.	✓	✓	Bit 4pm			350			929	3½
6 A.M.	✓	✓			2	20	73	675		
8 A.M.	✓	✓								

LINER SIZE: 5½ STROKE 14

MUD & CHEMICALS

LBS. Added	KIND

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
10 A.M.	8.4	29			5	20	73	825	945	4¼
NOON			Bit Rem.	955						
2 P.M.										
4 P.M.										

LINER SIZE: 5½" x STROKE 14"

MUD & CHEMICALS

LBS. Added	KIND

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
6 P.M.	8.4	28			2.0	73	550	945	0	¾
8 P.M.	✓	✓						GAS	3¾	
10 P.M.	✓	✓								
12 P.M.	✓	✓								

LINER SIZE: 5½" x STROKE 14"

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

WORK RECORD — 12 - 8 TOUR

START	STOP	HRS.	
1300	1215	¼	Rig Service ✓ BOP's
1215	215	2	Hole Controlled Drlg w/ Dyna Drill
215	230	¼	Survey @ 915 3½°
230	430	2	T.C. Drlg w/ Dynadrill
430	445	¼	Survey @ 929' - 3½°
445	520	¾	Hoist f/ bit #3 ; rig chain Stk
520	545	¼	✓ Rig Repairs & Lubrication
545	620	¾	Hoist 2x 90 bit #4 Clean Tubulars
620	800	1½	Controlled Straight Hole drlg w/ Dynadrill

BOP Tested

DRILLER: BT Clemens CONTRACTOR'S TIME CO's. TIME

WORK RECORD — 8 - 4 TOUR

START	STOP	HRS.	
8:00	9:15	¼	Rig Serv. ✓ B.O.P.'s + Kelly Cock
9:15	9:15	1	T.C.S. Hole Drlg. w/ Dyna-Drill
9:15	9:30	¼	Survey @ 945'
9:30	10:00	½	W.O.O.
10:00	10:45	¾	Hoist to Change Bit's
10:45	11:30	¾	Run in w/ Bit RR#3
11:30	4:00	4½	Fan Hole from 956'

BOP Tested ✓

DRILLER D. J. Doyle CONTRACTOR'S TIME CO's. TIME

WORK RECORD — 4 - 12 TOUR

START	STOP	HRS.	
4:00	4:15	¼	Rig Serv. ✓ B.O.P's
4:15	6:15	2	Fan Hole from 962' to 975'
6:15	6:30	¼	Survey @ 945'
6:30	11:00	4½	Fan Hole from 956'
11:00	11:15	¼	Survey @ 945 3¼
11:15	12:00	¾	Trip 4 - dropped Rec. w/ Stds

BOP Tested ✓

DRILLER Don Doyle CONTRACTOR'S TIME CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	930	961	31	5½	8¾
REAMED					
CORED					

TALLY

No.		LENGTH
5	STANDS	470.47
2	SINGLE	20.41
13	D.C.'s	390.52
Dynadrill		25.85
1	Stab	11.06
KELLY IN		12.80
TOTAL		961.30
RAT HOLE TOP		

BIT RECORD

BIT No.	3
SIZE	8¾
MAKE	HW
TYPE	XIG
SERIAL	28128
JET SIZE	1/15 3/16
FROM	890
TO	956
FOOTAGE	66'
HRS.	10¾
COND.	2-1-1

KR#21 8 31/32 Chm Rund

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	BT Clemens	12
DERRICK	J Smythe	12
MOTORMAN	J Wilson	12
FLOORMAN	G Hubert	12
FLOORMAN	J Kent	12
FIREMAN		

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	961	975	14	1	8 32/32
REAMED					
CORED					

TALLY

No.		LENGTH
5	STANDS	470.47
2	SINGLE	20.41
13	D.C.'s	390.52
Dynadrill		25.85
1	Stab	11.06
KELLY IN		12.80
TOTAL		975.30
RAT HOLE TOP		

BIT RECORD

BIT No.	RR#2	RR#3
SIZE	8 32/32	8¾
MAKE	Chm	H.W.
TYPE	◇	XIG
SERIAL	K11MA	28128
JET SIZE		15 3/16
FROM	956	956
TO	975	975
FOOTAGE	19	19
HRS.	2½	4½
COND.	Good	

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	D. J. DOYLE	12
DERRICK	C. CAMPBELL	12
MOTORMAN	K. WILSON	12
FLOORMAN	A. JENSON	12
FLOORMAN	A. JOHNSON	12
FIREMAN	T. HANSON	12

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	962				8¾
REAMED	962	975			
CORED					

TALLY

No.		LENGTH
5	STANDS	470.47
2	SINGLE	20.41
13	D.C.'s	390.52
1	Stab	9.51
Dynadrill		25.85
KELLY IN		27.35
TOTAL		975.30
RAT HOLE TOP		

BIT RECORD

BIT No.	RR#6
SIZE	8¾
MAKE	H.W.
TYPE	XIG
SERIAL	28044
JET SIZE	
FROM	956
TO	
FOOTAGE	
HRS.	
COND.	

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: R. H. Webber APPROVED: [signature]

[redacted] Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE Dec 23/70 — No. 2 — DAILY TIME SHEET 3-35 (REV. 1/68)

FIELD or AREA Home Pincher Creek WELL NAME & No. Shell Home Pincher Creek 09 CONTRACTOR 5 T Drilling (Calgary) Co Ltd RIG No. 15 No. 12

Well Shell Home Pincher Creek 09 Approved _____ Date Dec 23/70

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
2 A.M.	8.4	28				20	73	525		
4 A.M.	8.4	28	Bit Rpm 350							
6 A.M.	8.4	28								
8 A.M.	8.4	28								

LINER SIZE: 5 1/2 STROKE 14

MUD & CHEMICALS

LBS. Added	KIND

START	STOP	HRS.	WORK RECORD — 12 - 8 TOUR
12:00	12:15	1/4	Rig Service & Boys
12:15	2:15	2	Time Controlled Straight hole daily w/Dynadrill
2:15	2:30	1/2	Survey @ 800' 3°
2:30	5:00	2 1/2	Time Controlled Straight hole daily w/Dynadrill
5:00	5:30	1/2	Survey @ 815' 2 3/4°
5:30	8:00	2 1/2	Time Controlled Straight hole daily w/Dynadrill

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	815	858	43	9 1/4	8 3/4
REAMED					
CORED					

TALLY

No.		LENGTH
4	STANDS	368.11
1	SINGLE	31.68
13	D.C.'s	394.82
		25.55
1	Stab	4.91
	KELLY IN	37.63
	TOTAL	858.00
	RAT HOLE TOP	

BIT RECORD

BIT No.	2
SIZE	8 3/4
MAKE	Chic
TYPE	O
SERIAL	EC12768
JET SIZE	
FROM	460
TO	858
FOOTAGE	58
HRS.	9 1/4
COND.	

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	M. Fleming	12
DERRICK	J. Smith	12
MOTORMAN	J. Wilson	12
FLOORMAN	P. Chabot	12
FLOORMAN	D. Hardie	12
FIREMAN		

REMARKS AND INJURIES:

	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
10 A.M.	8.4	28				20	73	525	830	3 1/2
NOON	8.4	28	Bit Rpm 350						845	3 3/4
2 P.M.	8.4	28								
4 P.M.										

LINER SIZE: 5 1/2 x STROKE 14

MUD & CHEMICALS

LBS. Added	KIND

BOP Tested

DRILLER: [redacted] CONTRACTOR'S TIME CO's. TIME

8 - 4 TOUR

START	STOP	HRS.	
9:00	9:15	1/4	Rig Serv. ✓ B.O.P.'s + Kelly cock
9:15	9:30	1/4	Survey @ 830'
9:30	12:15	4 1/4	Time Controlled Straight Hole Daily w/Dyna-Drill
12:15	1:00	1/4	Survey @ 945'
1:00	3:00	2	Time Controlled Straight Hole Daily w/Dyna-Drill
3:00	4:00	1	Hoist to change Bits + pick up Stabilizer

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	858	890	32	6 1/4	8 3/4
REAMED					
CORED					

TALLY

No.		LENGTH
4	STANDS	369.11
2	SINGLE	62.47
13	D.C.'s	390.82
		25.55
2	Stab	9.51
	KELLY IN	34.24
	TOTAL	890.00
	RAT HOLE TOP	

BIT RECORD

BIT No.	2
SIZE	8 3/4
MAKE	Chic
TYPE	O
SERIAL	EC12769
JET SIZE	
FROM	800
TO	840
FOOTAGE	90
HRS.	15 1/2
COND.	

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	D. J. Doyle	12
DERRICK	C. Campbell	12
MOTORMAN	K. Wilson	12
FLOORMAN	A. Johnson	12
FLOORMAN	L. Johnson	12
FIREMAN Floor	T. Hanson	12

REMARKS AND INJURIES:

	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
6 P.M.	8.4	28				20	73	550	875	3 1/2
8 P.M.	"	"	Bit Rpm			350			894	3 3/4
10 P.M.	"	"								
12 P.M.	"	"								

LINER SIZE: 5 1/2 STROKE 14

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

BOP Tested

DRILLER: D. J. Doyle CONTRACTOR'S TIME CO's. TIME

4 - 12 TOUR

START	STOP	HRS.	
4:00	4:30	1/2	Run in Hole w/ Bit #3 on Dyna-Drill
4:30	4:45	1/4	Rig Serv. ✓ B.O.P.'s
4:45	7:45	3	Time Controlled Straight Hole Daily w/Dyna-Drill
7:45	9:00	1 1/4	Survey @ 875'
9:00	11:00	2	Time Controlled Straight Hole Daily w/Dyna-Drill
11:00	11:15	1/4	Survey @ 894' 3 3/4°
11:15	12:00	3/4	Time Controlled Straight Hole Daily w/Dyna-Drill

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	890	930	40	6 3/4	8 3/4
REAMED					
CORED					

TALLY

No.		LENGTH
5	STANDS	472
1	SINGLE	31.0
13	D.C.'s	390.82
		25.55
2	Stab	9.51
	KELLY IN	12.96
	TOTAL	930.00
	RAT HOLE TOP	

BIT RECORD

BIT No.	3
SIZE	8 3/4
MAKE	H.W.
TYPE	X1G
SERIAL	24128
JET SIZE	16 3/4
FROM	890
TO	930
FOOTAGE	40
HRS.	6 3/4
COND.	

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER [redacted] APPROVED: K. Wilson

Mo[illegible]il Canada, Ltd.

DAILY DRILLING REPORT

Dec 24/70

No. 11 DAILY TIME SHEET 3-35 (REV. 1/68)

FIELD or AREA: Flame Kinsella WELL NAME & No. Sohio Flame Kinsella 1-09 CONTRACTOR S.T. Drilling (Western) Ltd. RIG No. 1E No. 11

Well Sohio Flame Kinsella 1-09

Approved _____ Date Dec 24/70

WORK RECORD — 12 - 8 TOUR

START	STOP	HRS.	
12:00	8:00	8	W.O.C.

BOP Tested

DRILLER: W. Ennis CONTRACTOR'S TIME CO's. TIME

8 - 4 TOUR

START	STOP	HRS.	
8:00	12:00	4	W.O.C.
12:00	12:45	¾	Run in & Tag Plug @ 808'
12:45	1:00	¼	Survey @ 800' 3¼°
1:00	1:30	½	Hoist to Pick up Dyna-Drill
1:30	4:00	2½	Pick up & Make up Dyna Drill

BOP Tested

DRILLER: D.J. Doyle CONTRACTOR'S TIME CO's. TIME

4 - 12 TOUR

START	STOP	HRS.	
4:00	4:15	¼	Rig Serv.
4:15	6:00	1¾	Finish making up Dyna-Drill
6:00	6:45	¾	Run in slowly w/ Dyna-Drill
6:45	10:00	3¼	Drlg. w/ Dyna-Drill - Cleaning Hole - 760-800
10:00	12:00	2	Core Contolled Straight hole drlg w/ dynadrill

BOP Tested

DRILLER: Don Gray CONTRACTOR'S TIME CO's. TIME

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
2 A.M.										
4 A.M.										
6 A.M.										
8 A.M.										
10 A.M.							69	1050	800	3¼°
NOON										
2 P.M.										
4 P.M.										
6 P.M.								500		
8 P.M.	83	28			Bit Rpm		350			
10 P.M.	83	28			0	20	73	500		
12 P.M.	83	28			0	20	73	500		

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND

LINER SIZE: 5½" x STROKE 14"

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	

BIT RECORD: BIT No. / SIZE / MAKE / TYPE / SERIAL / JET SIZE / FROM / TO / FOOTAGE / HRS. / COND.

KELLY IN / TOTAL / RAT HOLE TOP

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	[illegible]	12
DERRICK	J. Sumlye	12
MOTORMAN	J. Cobbler	12
FLOORMAN	E. Thibault	12
FLOORMAN	L. Nanda	12
FIREMAN		

REMARKS AND INJURIES:

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	D. J. Doyle	12
DERRICK	C. Campbell	12
MOTORMAN	K. Wilson	12
FLOORMAN	A. Jenson	12
FLOORMAN	L. Johnson	12
FIREMAN	T. Hanson	12

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	800	815	15	2	8 23/32
REAMED					
CORED					

TALLY No.		LENGTH
4	STANDS	368.11
	SINGLE	
13	D.C.'s	390.82
Up Stl		
Run 11		15.95
Dn Stl		4.91
KELLY IN		26.31
TOTAL		815.00
RAT HOLE TOP		

BIT RECORD: BIT No. 2 / SIZE 8 23/32 / MAKE Chm / TYPE O / SERIAL EC 17014 / JET SIZE / FROM 800 / TO 815 / FOOTAGE 15 / HRS. 2 / COND. Rec

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: W. Halcrow APPROVED: [signature]

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE Dec 25

No. 10 DAILY TIME SHEET 3-35 (REV. 1/68)

FIELD or AREA: Stone Creek N.W. WELL NAME & No. Sphinx Hume Lower 4-09 CONTRACTOR Sut Drilling (Western) Co Ltd RIG No. 16 No. 10

Well Sphinx Hume Lower 4-09

Approved _____ Date Dec 25/70

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEVIATION DEG.
2 A.M.	8.4	28			3	100	69	1000		
4 A.M.										
6 A.M.										
8 A.M.										

LINER SIZE: 5½ x 14 STROKE

MUD & CHEMICALS

LBS. Added	KIND

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEVIATION DEG.
10 A.M.										
NOON										
2 P.M.										
4 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEVIATION DEG.
6 P.M.										
8 P.M.										
10 P.M.										
12 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

WORK RECORD — 12 - 8 TOUR

START	STOP	HRS.	
			Survey Christmas
12:00	12:15	¼	Rig Service / Boops
12:15	2:45	2½	Trip out Bit + Stab
2:45	3:15	½	Drill 6' 8¾ Hole
3:15	6:15	3	Plug mud thru bit Blow out Samples 1091
6:15	6:45	½	Circ tanks + displace hole to fresh water
6:45	8:00	1¼	WOO
			RKB to Csg head 12.00'

BOP Tested

DRILLER: P. McGinnis CONTRACTOR'S TIME CO's. TIME

8 - 4 TOUR

START	STOP	HRS.	
7:00	7:15	¼	Rig Serv + BOPs + Kelly Cock
8:15			Hole T Bit #1 - Run in w/ Drill Pipe to Run
	10:45	2½	Cement Plug 8¾" Hole Strap in w/ Pipe
10:45	11:00	¼	Rig to - Run Cement Plug from 1091' to 750'
			Plug down @ 12:30 P.M. Dec 25/70
12:30	4:00	3½	W O C
			Plug # 2. 150 sks Cement with ¾% CAL CL + Displace Down with 5 Bbls. @ 1130 A.M. Dec 25/70
			Merry Christmas

BOP Tested

DRILLER: D. J. Doyle CONTRACTOR'S TIME CO's. TIME

4 - 12 TOUR

START	STOP	HRS.	
4:00	12:00	8	W. O. C.

BOP Tested

DRILLER: _____ CONTRACTOR'S TIME CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	750	756	6	½	8¾
REAMED					
CORED					

TALLY

No.		LENGTH
	STANDS	
	SINGLE	
13	D.C.'s	390.82
	KELLY IN	
	TOTAL	
	RAT HOLE TOP	

BIT RECORD

BIT No.	1
SIZE	8¾
MAKE	HW
TYPE	X1G
SERIAL	28696
JET SIZE	2-11/16
FROM	750
TO	756
FOOTAGE	6
HRS.	½
COND.	

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY

No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
	KELLY IN	
	TOTAL	
	RAT HOLE TOP	

BIT RECORD

BIT No.	
SIZE	
MAKE	
TYPE	
SERIAL	
JET SIZE	
FROM	
TO	
FOOTAGE	
HRS.	
COND.	

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY

No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
	KELLY IN	
	TOTAL	
	RAT HOLE TOP	

BIT RECORD

BIT No.	
SIZE	
MAKE	
TYPE	
SERIAL	
JET SIZE	
FROM	
TO	
FOOTAGE	
HRS.	
COND.	

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	P. McGinnis	12
DERRICK	J. Smith	12
MOTORMAN	J. Nelson	12
FLOORMAN	G. Hiebert	12
FLOORMAN	M. Hondie	12
FIREMAN		

REMARKS AND INJURIES:

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	D. J. DOYLE	12
DERRICK	G. CAMPBELL	12
MOTORMAN	K. WILSON	12
FLOORMAN	A. JENSON	12
FLOORMAN	L. JOHNSON	12
FIREMAN FLOOR	T. HANSON	12

REMARKS AND INJURIES:

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: M. McGahey APPROVED: K. Swanson

Mobil Oil Canada, Ltd.
DAILY DRILLING REPORT

DATE Dec 24/70 — No. 9 — DAILY TIME SHEET 3-35 (REV. 1/68)

FIELD or AREA: Steelman Pipestone WELL NAME & No. Mobil Home Hanson 1-09 CONTRACTOR S.T. Drilling (Alta.) Co. Ltd. RIG No. 1E — No. 9 — Well Mobil Home Hanson 1-09 — Approved _____ Date Dec 24/70

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEVIATION DEG.
2 A.M.										
4 A.M.										
6 A.M.										
8 A.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND

START	STOP	HRS.	WORK RECORD 12 - 8 TOUR
12:00	8:00		Weld on Casing Cut Stop Pipe's

BOP Tested — DRILLER: D. Doyle — CONTRACTOR'S TIME — CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY			BIT RECORD	
No.		LENGTH	BIT No.	
STANDS			SIZE	
SINGLE			MAKE	
D.C.'s			TYPE	
			SERIAL	
			JET SIZE	
			FROM	
			TO	
KELLY IN			FOOTAGE	
TOTAL			HRS.	
RAT HOLE TOP			COND.	

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	D. Doyle	12
DERRICK	G. Swift-Fyfe	12
MOTORMAN	K. Wilson	12
FLOORMAN	A. Hibbert	12
FLOORMAN	L. Hanson	12
FIREMAN		

REMARKS AND INJURIES:

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEVIATION DEG.
10 A.M.										
NOON										
2 P.M.										
4 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND

START	STOP	HRS.	8 - 4 TOUR
8:00	4:00	8	Finish Head up B.O.P.'s - Flare Line Change Brake Blocks on Rotary Side

BOP Tested — DRILLER: D. Doyle — CONTRACTOR'S TIME — CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY			BIT RECORD	
No.		LENGTH	BIT No.	
STANDS			SIZE	
SINGLE			MAKE	
D.C.'s			TYPE	
			SERIAL	
			JET SIZE	
			FROM	
			TO	
KELLY IN			FOOTAGE	
TOTAL			HRS.	
RAT HOLE TOP			COND.	

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	D. J. Doyle	12
DERRICK	G. Campbell	12
MOTORMAN	K. Wilson	12
FLOORMAN	A. Hibbert	12
FLOORMAN	L. Hanson	12
FIREMAN FLOOR	T. Hanson	12

REMARKS AND INJURIES:

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEVIATION DEG.
6 P.M.										
8 P.M.										
10 P.M.										
12 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

START	STOP	HRS.	4 - 12 TOUR
4:00	4:30	1/2	Pressure Test Blind Rams 1500 P.S.I. Held O.K.
4:30	10:45	6 1/4	Drill Mouse Hole
10:45	11:15	1/2	Run 2nd Bit #1
11:15	19:00	3 3/4	Pressure Leak Test - Air Hand to 1500 P.S.I. Pull Kill & Choke Manifold Shut Off Valves O.K.

BOP Tested — DRILLER: Don — CONTRACTOR'S TIME — CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY			BIT RECORD	
No.		LENGTH	BIT No.	
STANDS			SIZE	
SINGLE			MAKE	
D.C.'s			TYPE	
			SERIAL	
			JET SIZE	
			FROM	
			TO	
KELLY IN			FOOTAGE	
TOTAL			HRS.	
RAT HOLE TOP			COND.	

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: A.B. Galeza APPROVED: K. Hanson

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE Dec 23 — No. 8 — DAILY TIME SHEET 3-35 (REV. 1/68)

FIELD or AREA: Hudson Knives — WELL NAME & No. Mobil Home Knives 2-09 — CONTRACTOR S.T. Drilling (Western) Co. Ltd. — RIG No. 1E — No. 8 — Well Mobil Home Knives 2-09 — Approved _____ — Date Dec 23/70

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEVIATION DEG.
2 A.M.										
4 A.M.										
6 A.M.										
8 A.M.										

LINER SIZE: _____ STROKE _____

MUD & CHEMICALS

LBS. Added	KIND

START	STOP	HRS.	WORK RECORD — 12 - 8 TOUR
12 pm	8 am	8	W.O.C.

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY		LENGTH
No.		
	STANDS	
	SINGLE	
	D.C.'s	
	KELLY IN	
	TOTAL	
	RAT HOLE TOP	

BIT RECORD			
BIT No.			
SIZE			
MAKE			
TYPE			
SERIAL			
JET SIZE			
FROM			
TO			
FOOTAGE			
HRS.			
COND.			

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER		
DERRICK	[illegible]	12
MOTORMAN	J. Smith	12
FLOORMAN	J. Tetlow	12
FLOORMAN	G. Hyatt	12
FIREMAN	J. Hunter	12

REMARKS AND INJURIES:

BOP Tested — DRILLER: [illegible] — CONTRACTOR'S TIME — CO's. TIME

START	STOP	HRS.	8 - 4 TOUR
8:00	4:00	8	W.O.C.

MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEVIATION DEG.
10 A.M.									
NOON									
2 P.M.									
4 P.M.									

LINER SIZE: _____ STROKE _____

MUD & CHEMICALS

LBS. Added	KIND

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY		LENGTH
No.		
	STANDS	
	SINGLE	
	D.C.'s	
	KELLY IN	
	TOTAL	
	RAT HOLE TOP	

BIT RECORD			
BIT No.			
SIZE			
MAKE			
TYPE			
SERIAL			
JET SIZE			
FROM			
TO			
FOOTAGE			
HRS.			
COND.			

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	D. J. Doyle	12
DERRICK	C. Campbell	12
MOTORMAN	K. Wilson	12
FLOORMAN	A. Jenson	12
FLOORMAN	L. Johnson	12
FIREMAN Floor	T. Hanson	12

REMARKS AND INJURIES:

BOP Tested — DRILLER: D. J. Doyle — CONTRACTOR'S TIME — CO's. TIME

START	STOP	HRS.	4 - 12 TOUR
4:00	10:05	6¼	W.O.C.
10:05	12:00	1¼	Cut Csg. & Welding on Csg. Head

MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEVIATION DEG.
6 P.M.									
8 P.M.									
10 P.M.									
12 P.M.									

LINER SIZE: _____ STROKE _____

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY		LENGTH
No.		
	STANDS	
	SINGLE	
	D.C.'s	
	KELLY IN	
	TOTAL	
	RAT HOLE TOP	

BIT RECORD			
BIT No.			
SIZE			
MAKE			
TYPE			
SERIAL			
JET SIZE			
FROM			
TO			
FOOTAGE			
HRS.			
COND.			

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

BOP Tested — DRILLER: D. J. Doyle — CONTRACTOR'S TIME — CO's. TIME

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: V. Valenza APPROVED: [signature]

65°26'31"N
129°31'32"W.

MOBIL OIL CANADA, LTD.
CASING AND CEMENTING REPORT

3-38 (REV. 4/67)

WELL NAME Mobil Kwanai Rem L-09. DATE Dec. 22 '70

LOCATION LS —, SEC —, TWP —, RGE —, W —M

CASING (LIST IN ORDER RUN)

	SIZE	WT	GRADE	THREADS NO.	THREADS TYPE	NEW OR USED	NO. JOINTS	LENGTH TOTAL
1	9 5/8	32	J-55	8	STC	N	28	1027.77
2								
3								
4								
5								
6								
7								
TOTAL CASING ON THE LEASE BEFORE STARTING							28	1027.77
CASING REMAINING ON THE LEASE AFTER RUNNING							1	10.37
TOTAL CASING RUN								777.10
LENGTH UP FROM KB ON LANDING JOINT								27.10
CASING LANDED AT								750 =

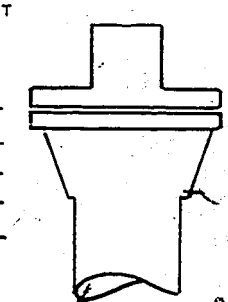
KB ELEVATION —

KB TO FLANGE 12.20 FT

KB
ROTARY TABLE

CASING FLANGE —
TYPE B
MFRG National
SIZES 10 x 900
WP 3000

9 5/8 x 10.



Pulled welded on

RAGGED BOTTOM AT 754 KB PIPE LANDED 4 FEET OFF BOTTOM

SCRATCHERS TYPE — MFGR — INTERVAL —

CENTRALIZERS TYPE H.D. MFGR B.A.K. INTERVAL 740 - 700 - 655 - 630 - 35

FLOAT COLLAR AT 740 LENGTH 1.12 MFGR Baker TYPE Lt. Fill WELDED LOCKED

FLOAT SHOE AT 747 LENGTH 1.28 MFGR Baker TYPE Lt. Fill WELDED LOCKED

STAGE COLLAR AT — LENGTH — MFGR — TYPE — WELDED LOCKED

CEMENT SERVICE COMPANY BJ TRUCK MODEL — HHP —

	TYPE	ADDITIVES	CU FT	SACKS	SLURRY WT
1	Neat	3			
2	Neat	3		410	15.6
3	Halliburton	3			
4					

MUD WT 9.5 VISC 70 W/L — PH — FC — GEL —

HOLE SIZES 12 1/4 TD DRILLER 750 TD LOG — TD CASING — CALIPER USED YES NO

WATER TESTED (YES) NO HOW — TEMP. 54° TYPE —

TIMES

FINISH CIRCULATING 1:00 AM/PM START CASING 1:30 AM/PM CASING IN 7:15 AM/PM CIRCULATE CASING 7:30 AM/PM

RIG TO CEMENT 8:00 AM/PM START MIXING 9:00 AM/PM FINISH MIXING 10:05 AM/PM START DISPLACING 10:15 AM/PM PLUG DOWN 10:30 AM/PM

PUMPING TIME 15 MIN CASING VOLUME 56 BBLS AVERAGE PUMPING RATE 5.4 BBL/MIN CASING LANDED 10:45 AM/PM

HOW —

PRESSURES

BREAK CIRCULATION — PSI CIRCULATING — PSI FINAL PUMPING — PSI BUMPED PLUG — PSI FLOAT HELD YES NO

REMARKS (DESCRIBE HOW PIPE WAS WORKED AND ANY PROBLEMS DURING JOB) STATE DISPOSITION OF DRY CEMENT, WATER AND SLURRY SAMPLES

Assisted & Requested by.

SIGNATURE —

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Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE Dec 22/70

No. 7 DAILY TIME SHEET 3-35 (REV. 1/68)

Well Mobil Home Kinsella 7-8-57

FIELD or AREA: Home Kinsella WELL NAME & No. Mobil Home Kinsella 7-8-57 CONTRACTOR Sif Drilling (Western) Co Ltd RIG No. 1E No. 7

Approved _____ Date Dec 24/70

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEVIATION DEG.
2 A.M.	9.2	49			10	70		975	720	2¼
4 A.M.									750	3°
6 A.M.	9.9	64								
8 A.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND
6	Pl. wt. Mat
1150	Pl. Gel
25	Lime

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEVIATION DEG.
10 A.M.					5	120	67	800		
NOON										
2 P.M.										
4 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND
1½	Lime + 10 45 pm
9516	Gel and Lt at
750 KB	

D Moore.

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEVIATION DEG.
6 P.M.										
8 P.M.										
10 P.M.										
12 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

WORK RECORD — 12 - 8 TOUR

START	STOP	HRS.	
12	12:15	¼	Rig Service
12:15	12:30	¼	Reaming 8¾" hole to 12¼" w/ PDC
12:30	12:45	¼	Survey @ 720' 3¼°
12:45	7:15	1¼	Reaming 8¾" hole to 12¼" w/ PDC
7:15	7:30	¼	Survey @ 750' 3°
7:30	3:00	½	Trip out: Lay down Hole Opener, Stabilizer 8¾" Bit, 11 Singles and Bridge @ 1035' Pull 15,000 lbs Pulled 1491
3:00	3:45	¾	Pick up 8¾" Bit, 11 Singles and Bridge, Trip in Hole
3:45	4:00	¼	Clean 38' to bottom of 8¾" hole 1491
4:00	4:30	½	Circ. Cond. Hole
4:30	5:15	¾	Hoist - Stet back DC's, Lay down 10 collars
5:15	5:30	½	Run 2nd open end tubing to 1335' (Stinger)
5:30	6:15	½	Circ. Cond. hole to Run plug
6:15	8:00	1¾	Lay to 3 Run Cement plug

BOP Tested

DRILLER: DTP CONTRACTOR'S TIME CO's. TIME

8 - 4 TOUR

START	STOP	HRS.	
8:00	9:45	¾	FINISH PUMP DOWN CEMENT PLUG + HOIST PIPE SLOWLY
8:45	9:30	¾	Rig SERV. + CLEAN UP RIG FLOOR
9:30	10:15	¾	STRAP PIPE + RUN IN TO 650'
10:15	12:30	2¼	BACK CIRC. COND. MUD + CLEAN TO BOTTOM
12:30	12:45	¼	REAM 4" 8¾" HOLE TO 12¼" HOLE
12:45	1:45	1	CIRC. COND. MUD + HOLE TO RUN CASG.
1:45	2:30	¾	TRIP OUT TO RUN CASG.
2:30	4'	1½	Rig to - RUN CASG.
[illegible]			32 Jts 9⅝ H40 36# ST&C Csg + 1 Pup Jt.
[illegible]			Csg - 650 - 35 [illegible]
[illegible]			Hung [illegible]
[illegible]			Cellar [illegible]

BOP Tested

DRILLER: [illegible] CONTRACTOR'S TIME CO's. TIME

START	STOP	HRS.	
4	7'5	3¼	Rig Down + Release 12 Ele 4 - 12 TOUR
7'5	8'5	1	[illegible]
8'5	10'45	2½	[illegible]
10'45	12'00	1¼	WOC

BOP Tested

DRILLER: [illegible] Gray CONTRACTOR'S TIME CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED	710	750	40'		12¼
CORED					

TALLY

No.		LENGTH
3+1	STANDS	337.51
	SINGLE	35.84
	D.C.'s	10.66
	KELLY IN	3920
	TOTAL	750.00
	RAT HOLE TOP	750'

BIT RECORD

BIT No.	5A
SIZE	12¼
MAKE	Hole
TYPE	Opener
SERIAL	8505
JET SIZE	
FROM	610
TO	750
FOOTAGE	140
HRS.	9
COND.	

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	[illegible]	12
DERRICK	[illegible]	12
MOTORMAN	[illegible]	12
FLOORMAN	[illegible]	12
FLOORMAN	[illegible]	12
FIREMAN	[illegible]	12

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED	750	754	4	¼	12¼
CORED					

TALLY

No.		LENGTH
4	STANDS	367.76
	SINGLE	
12	D.C.'s	357.84
1	BIT	.95
1	Bell	2.25
1	Bit Sub	3.20
	KELLY IN	23.47
	TOTAL	754.00
	RAT HOLE TOP	

BIT RECORD

BIT No.	OA16
SIZE	12¼
MAKE	SMITH
TYPE	D.T.
SERIAL	FB140
JET SIZE	3/19
FROM	750
TO	754
FOOTAGE	4
HRS.	¼
COND.	

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	D.J. Doyle	12
DERRICK	G. Campbell	15
MOTORMAN	K. Wilson	15
FLOORMAN	A. Jenson	15
FLOORMAN	L. Johnson	15
FIREMAN FLOOR	T. Hanson	12

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY

No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
	KELLY IN	
	TOTAL	
	RAT HOLE TOP	

BIT RECORD

BIT No.	
SIZE	
MAKE	
TYPE	
SERIAL	
JET SIZE	
FROM	
TO	
FOOTAGE	
HRS.	
COND.	

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: [illegible] APPROVED: [illegible]

65° 28' 31" N
129° 31' 32" W

3-27 (REV. 4/67)

MOBIL OIL CANADA, LTD.
PIPE TALLY FORM

SHEET NO. 1

NB THIS IS NOT A "THREADS OFF" TALLY

DATE Nov. 21/70

WELL NAME Mobil Russo River L-09

LOCATION LS ___, SEC ___, TWP ___, RGE ___, W ___ M

98 JOINTS 0 TO 1017.47 SIZE 9 5/8 GRADE J 55 WT ___ THREADS 8 rd. 1027.47

JOINTS ___ TO ___ SIZE ___ GRADE ___ WT ___ THREADS ___

JOINTS ___ TO ___ SIZE ___ GRADE ___ WT ___ THREADS ___

JOINTS ___ TO ___ SIZE ___ GRADE ___ WT ___ THREADS ___

JOINTS ___ TO ___ SIZE ___ GRADE ___ WT ___ THREADS ___

JOINTS ___ TO ___ SIZE ___ GRADE ___ WT ___ THREADS ___

	FT	10TH	FT	10TH	FT	10TH	FT	10TH	FT	10TH	FT	10TH	FT	10TH	FT	10TH	TOTALS	
1	40	50	36	70	37	70	—	—	374	02								
2	35	48	34	22	35	51			291	78								
3	37	40	37	92	34	70			293	67								
4	35	79	34	71	36	20												
5	36	65	34	80	34	54												
6	37	82	37	15	35	53												
7	36	48	35	29	36	15												
8	35	00	37	30	35	87												
9	37	52	34	05														
10	37	55	30	23														
TOTAL	374	02	365	78	291	67			1027	47								

1																		
2																		
3	11																	
4	Joint		1	25														
5	Cut																	
6	Joint		1	92														
7																		
8																		
9																		
10																		
TOTAL			3	6														

1																		
2																		
3																		
4																		
5																		
6																		
7							Joint											
8							No		11		Joint		Cut		Joint			
9																		
10																		
TOTAL																		

NB - ON CASING TALLY THE FIRST JOINT LENGTH INCLUDES FLOAT AND SHOE
FIRST 10 JOINTS TO BE RUN IN ORDER TALLIED

SIGNATURE [signature]

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Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE Dec 21

No. 6 DAILY TIME SHEET 3-35 (REV. 11/68)

Well ~~Mobil Home Russell 6-09~~

FIELD or AREA: Hume River WELL NAME & No. Mobil Home Russell 06 CONTRACTOR S.T. Drilling (Alberta) Ltd. RIG No. 1E No. 6

Approved _____ Date Dec 21/70

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEVIATION DEG.
2 A.M.	9.8	43			15	120	69	1150	1060	5¼
4 A.M.					5	120			1091	5¼
6 A.M.	9.9	42			6/12	70		700		
8 A.M.	9.9	42								

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEVIATION DEG.
10 A.M.					6/12	70	69	750	535	2¼
NOON					2	120	69	1100	595	2¼
2 P.M.										
4 P.M.										

LINER SIZE: 5½" STROKE 14"

MUD & CHEMICALS

LBS. Added	KIND

	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEVIATION DEG.
6 P.M.	9.9	38		⅛	6/10	70	69	875	654	2½
8 P.M.	9.8	40								
10 P.M.	9.8	43								
12 P.M.	9.8	47								

LINER SIZE: 5½" STROKE 14"

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND
	Gel	1000	

WORK RECORD — 12-8 TOUR

START	STOP	HRS.	
12:00	12:15	¼	Rig Service
12:15	1:15	1	Slip 8¾" hole
1:15	1:30	¼	Survey @ 1060
1:30	3:00	1½	Slip 8¾" hole
3:00	3:15	¼	Survey @ 1091
3:15	4:15	1	Hoist - Lay down 12¼ Sinclad
4:15	4:30	¼	Pick up hole opener & Jacked hole assembly Hyde
4:30	4:45	¼	Run 12¼ hole opener
4:45	8:00	3¼	Ream 8¾" hole to 12¼"

BOP Tested — DRILLER: D.T. Fleming — CONTRACTOR'S TIME — CO's. TIME

8-4 TOUR

START	STOP	HRS.	
9:00	9:15	¼	Rig Serv. + ✓ Kelly Cock
9:15	10:00	¾	Reaming 8¾ Hole to 12¼ w/ Ho.
10:00	10:15	¼	Survey @ 525' 2¼°
10:15	11:00	¾	Trip - Drop Hole O + Pick up 12¼ Bit to Ream
11:00	2:30	3½	Reaming 8¾ Hole to 12¼" Hole w/Bit
2:30	2:45	¼	Survey @ 595 2¼°
2:45	3:30	¾	Reaming 8¾ Hole to 12¼ Hole w/Bit
3:30	4:00	½	Trip out to pick up Hole Opener

BOP Tested — DRILLER: D. J. Doyle — CONTRACTOR'S TIME — CO's. TIME

4-12 TOUR

START	STOP	HRS.	
4:00	4:15	¼	Rig Serv + ✓ Kelly Cock
4:15	4:45	½	Cut Straps off Bits on Hole O. Change Bits + Weld Straps on again
4:45	5:30	¾	Run in w/ Hole Opener + Strap in - 14 Bits
5:30	9:30	4	Reaming 8¾ Hole to 12¼" Hole
9:30	9:45	¼	Survey @ 659 2½°
9:45	12:00	2¼	Ream 8¾ Hole to 8¾ w/Ho

BOP Tested — DRILLER: Lon Young — CONTRACTOR'S TIME — CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	1028	1091	63	2½	8¾
REAMED	394	520	126	3¼	12¼
CORED					

TALLY No.		LENGTH
1	STANDS	
1	SINGLE	12.99
12	D.C.'s	357.84
1		10.60
85+HO		485
KELLY IN		25.22
TOTAL		526
RAT HOLE TOP		

BIT RECORD		
BIT No.	4A	RR2B
SIZE	8¾	12¼
MAKE	HW	Jdw
TYPE	X1G	OF
SERIAL	38130	8509
JET SIZE	13/13/13	
FROM	394	394
TO	1091	520
FOOTAGE	697'	126
HRS.	20¾	3¼
COND.	2-2-I	

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	D. Fleming	12
DERRICK	J. Smith	12
MOTORMAN	G. Abbott	12
FLOORMAN	G. Hibbert	12
FLOORMAN	G. Kondi	12
FIREMAN		

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED	520	610	90	6	12¼
CORED					

TALLY No.		LENGTH
2	STANDS	182.37
1	SINGLE	31.09
12	D.C.'s	357.84
1	DC.	10.60
1	Bit	2.25
KELLY IN		23.36
TOTAL		615.40
RAT HOLE TOP		

BIT RECORD		
BIT No.	RR2B	RR2A
SIZE	12¼	12¼
MAKE	Hole	SMITH
TYPE	opener	O.T.
SERIAL	8509	FB182
JET SIZE		7/14
FROM	394	525
TO	525	610
FOOTAGE	141	75
HRS.	5	4½
COND.		

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	D. J. Doyle	12
DERRICK	C. Campbell	12
MOTORMAN	K. Wilson	12
FLOORMAN	A. Jenson	12
FLOORMAN	L. Johnson	12
FIREMAN	T. Hansen	12

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED	610	710	100	6¼	12¼
CORED					

TALLY No.		LENGTH
3	STANDS	276
1	SINGLE	30.00
12	D.C.'s	357.84
1	D.C.	10.60
85+HO		485
KELLY IN		29.95
TOTAL		710.00
RAT HOLE TOP		

BIT RECORD		
BIT No.	5A	
SIZE	12¼	
MAKE	Hole	
TYPE	opener	
SERIAL	8505	
JET SIZE		
FROM	610	
TO	710	
FOOTAGE	100	
HRS.	6¼	
COND.	Good	

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: D.T. Fleming APPROVED: [signature]

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE Dec 29/61 — No. 5 DAILY TIME SHEET (REV. 1/68)

FIELD or AREA: Home Lines Area T — WELL NAME & No. Mobil Home Lines L-09 — CONTRACTOR S.T. Drilling (Alberta) Ltd. — RIG No. 16 — No. 5

Well Mobil Home Lines L-09 — Approved _____ Date Dec 29/61

65°-29' N. 120-37' W.

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
2 A.M.	9.7	45			6	120	69	875	454	2¾
4 A.M.	9.7	43			20	90	69	850	545	2¾
6 A.M.	9.6	40			14	100	69	875	607	1¾
8 A.M.										

LINER SIZE: 5½ STROKE 14

MUD & CHEMICALS

LBS. Added	KIND

START	STOP	HRS.	WORK RECORD — 12-8 TOUR
12⁰⁰	12³⁰	½	Handle packed hole assembly & Make up same
12³⁰	12⁴⁵	¼	Rig Survey
12⁴⁵	1⁰⁰	¼	Ream 12 ¼ 8¾" hole
1⁰⁰	4³⁰	3½	Drlg 8¾" hole
4³⁰	4⁴⁵	¼	Survey @ 499' - 2¾°
4⁴⁵	5⁴⁵	1	Drlg 8¾" hole
5⁴⁵	6⁰⁰	¼	Survey @ 545' - 2½°
6⁰⁰	7¹⁵	1¼	Drlg 8¾" hole
7¹⁵	7³⁰	¼	Survey @ 607' - 1¾°
7³⁰	8⁰⁰	½	Drlg 8¾" hole

BOP Tested

DRILLER: [illegible] CONTRACTOR'S TIME CO's. TIME

RIG RECORD	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	394	638	244'	6¼	8¾
REAMED					
CORED					

TALLY No.		LENGTH
2	STANDS	
1	SINGLE	21.49
12	D.C.'s	357.44
1	XO	
Pack Hole		29.92
KELLY IN		41'
TOTAL		638.25
RAT HOLE TOP		394

BIT RECORD	
BIT No.	4A
SIZE	8¾
MAKE	Hw
TYPE	XIG
SERIAL	28130
JET SIZE	4½ 4½ 4½
FROM	394
TO	638
FOOTAGE	244'
HRS.	6¼
COND.	Rec

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	G Cummings	12
DERRICK	J Smythe	12
MOTORMAN	J Nelson	12
FLOORMAN	D Hulbert	12
FLOORMAN	J Hanlon	12
FIREMAN		

REMARKS AND INJURIES:

MUD RECORD	WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
10 A.M.					20	100	69	900	669	2½
NOON									729	2¼
2 P.M.										
4 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND

START	STOP	HRS.	WORK RECORD — 8-4 TOUR
8:00	8:15	¼	Rig Serv. + V Kelly Cock
8:15	9:00	¾	Drlg. 8¾" Hole
9:00	9:15	¼	Survey @ 669' 2½°
9:15	10:45	1½	Drlg. 8¾" Hole
10:45	11:00	¼	Survey @ 729' 2¼°
11:00	12:00	1	Drlg. 8¾" Hole
12:00	12:15	¼	Survey @ 791' 9/10°
12:15	1:15	1	Drlg. 8¾" Hole
1:15	1:30	¼	Survey @ 822' 2°
1:30			Drlg. 8¾" Hole

BOP Tested

DRILLER: D. J. Doyle CONTRACTOR'S TIME CO's. TIME

RIG RECORD	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	638				8¾
REAMED					
CORED					

TALLY No.		LENGTH
	STANDS	
	SINGLE	
12	D.C.'s	357.44
KELLY IN		
TOTAL		
RAT HOLE TOP		

BIT RECORD	
BIT No.	4A
SIZE	8¾
MAKE	H.W.
TYPE	XIG
SERIAL	28130
JET SIZE	4½ 4½ 4½
FROM	394
TO	
FOOTAGE	
HRS.	
COND.	

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	D. J. DOYLE	12
DERRICK	G. CAMPBELL	12
MOTORMAN	K. WILSON	12
FLOORMAN	A. JENSON	12
FLOORMAN	L. JOHNSON	12
FIREMAN Floor	T. HANSON	12
FIRE	W Remchuk	
	Wilbur R. Hoffman	

REMARKS AND INJURIES:

MUD RECORD	WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
6 P.M.	9.7	42			20	120	69	1100	945	4°
8 P.M.	9.7	44			6	120	—	—	967	4½°
10 P.M.	9.7	42			15	120	—	—		
12 P.M.	9.7	40								

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

START	STOP	HRS.	WORK RECORD — 4-12 TOUR
4:00	4:15	¼	Rig Serv + V Kelly Cock
4:15	5:45	1½	Drlg. 8¾" Hole
5:45	7:45	2	Trip out Lay down 2 Stabilizers + Move 1 up 76' + Survey
7:45	10:45	3	Drlg. 8¾ Hole
10:45	11:00	¼	Survey @ 997' - 4½°
11:00	12:00	1	Drlg 8¾ Hole

BOP Tested

DRILLER: [illegible] CONTRACTOR'S TIME CO's. TIME

RIG RECORD	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	900	1028	128	5½	8¾
REAMED					
CORED					

TALLY No.		LENGTH
6	STANDS	91
1	SINGLE	1.25
12	D.C.'s	357.44
15½		4.46
KELLY IN		Allen
TOTAL		1028
RAT HOLE TOP		394

BIT RECORD	
BIT No.	4A
SIZE	8¾
MAKE	H.W.
TYPE	XIG
SERIAL	28130
JET SIZE	4½ 4½ 4½
FROM	394
TO	1028
FOOTAGE	634
HRS.	18½
COND.	Rec

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: [illegible] APPROVED: [illegible]

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE Dec 19/70 — No. 4 DAILY TIME SHEET (REV. 1/68) — Well Mobil Home Russell 1-09

FIELD or AREA: Home Russell — WELL NAME & No. Mobil Home Russell 1-09 — CONTRACTOR S. T. Drilling (Saskatchewan) Co. Ltd. — RIG No. 1E — No. 4 — Approved _____ Date Dec 19/70

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
2 A.M.	9.8	46			2/2	130	69	925	274	1 1/4
4 A.M.	9.6	44							302	1 3/4
6 A.M.	9.7	42							332	1 1/2
8 A.M.	9.7	43								

LINER SIZE: — STROKE — MUD & CHEMICALS

LBS. Added	KIND

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
10 A.M.	9.7	40			2	120	69	825	358	1 3/4
NOON	9.7	42								
2 P.M.	9.7	43								
4 P.M.	9.7	42								

LINER SIZE: 5 1/2 — STROKE 14" — MUD & CHEMICALS

LBS. Added	KIND

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
6 P.M.									376	2°
8 P.M.									394	2 1/4
10 P.M.										
12 P.M.	9.6	46								

LINER SIZE: 5 1/2 — STROKE 14 — MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

WORK RECORD — 12-8 TOUR

START	STOP	HRS.	
12:00	12:15	1/4	Dlg 8 3/4" pilot hole
12:15	12:30	1/4	Rig Service
12:30	12:45	1/4	Survey @ 274' 1 1/4°
12:45	1:15	1/2	Trip out & Run 2 w/ 12 1/4" bit
1:15	2:45	1 1/2	Ream 8 3/4" hole to 12 1/4
2:45	3:15	1/2	Trip out & Run 2 w/ 8 3/4" bit
3:15	4:30	1 1/4	Dlg 8 3/4" pilot Hole
4:30	4:45	1/4	Survey @ 302 - 1 1/4
4:45	5:45	1	Dlg 8 3/4" hole
5:45	6:00	1/4	Trip out & Run 2 w/ 12 1/4" bit
6:00	7:45	1 3/4	Ream 8 3/4" pilot & 12 1/4"
7:45	8:00	1/4	Trip out w/ 12 1/4" bit

BOP Tested — DRILLER: D. McAlpine — CONTRACTOR'S TIME — CO's. TIME

WORK RECORD — 8-4 TOUR

START	STOP	HRS.	
8:00	8:45	3/4	TRIP OUT & RUN 8 3/4" BIT & LAY DOWN BOTTOM STABILIZER
8:45	9:00	1/4	RIG SERV.
9:00	12:15	3 1/4	DRLG 8 3/4" HOLE
12:15	12:30	1/4	SURVEY @ 358' 1 3/4°
12:30	1:45	1 1/4	TRIP OUT & RUN 12 1/4" BIT & LAY DOWN 2 STABILIZERS
1:45	4:00	2 1/4	REAM 8 3/4 TO 12 1/4" HOLE

BOP Tested — DRILLER: E. A. Doyle — CONTRACTOR'S TIME — CO's. TIME

WORK RECORD — 4-12 TOUR

START	STOP	HRS.	
4:00	4:15	1/4	DRLG. 12 1/4" HOLE
4:15	4:30	1/4	RIG SERV.
4:30	5:15	3/4	TRIP TO CHANGE BITS
5:15	7:15	2	DRLG. 8 3/4" HOLE
7:15	8:00	1 1/4	TRIP OUT & PICK UP H. OPENER & STAB.
8:00	9:00	1	REAM 8 3/4" hole to 12 1/4" w/ hole opener
9:00	9:30	1/2	TRIP out & Run 2 w/ 12 1/4" bit
9:30	10:00	1/2	DLG 12 1/4" hole
10:00	10:15	1/4	Survey @ 394 2 1/4°
10:15	11:15	1	TRIP
11:15	12:00	1/4	Maint

BOP Tested — DRILLER: E. A. Doyle — CONTRACTOR'S TIME — CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	260	332	72'	2 1/4	8 3/4
REAMED	320	332	12'	2 1/4	12 1/4
CORED					

TALLY

No.		LENGTH
	STANDS	
	SINGLE	
9	D.C.'s	285.31
	KELLY IN	40.50
	TOTAL	332.43
	RAT HOLE TOP	332

BIT RECORD

BIT No.	3A	RR3A	RR3A
SIZE	8 3/4	12 1/4	8 3/4
MAKE	Smith	✓	✓
TYPE	DT-5	✓	✓
SERIAL			
JET SIZE	E4399	RRRR	
FROM	260	3/4 3	3/4 9
TO	320	320	274
FOOTAGE	274	274	332
HRS.	54	54	58
COND.	2 1/4	1 1/4	2 1/4
	1-1-1	2-1-1	1-1-1

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	332	358	26	2 1/4	8 3/4
REAMED	332	358	26	2 1/4	12 1/4
CORED					

TALLY

No.		LENGTH
	STANDS	
	SINGLE	
11	D.C.'s	325.28
1	D.C.	10.60
	KELLY IN	22.17
	TOTAL	358
	RAT HOLE TOP	358

BIT RECORD

BIT No.	RR3A	RR1B
SIZE	8 3/4	12 1/4
MAKE	SMITH	✓
TYPE	DT-J	✓
SERIAL	EY499	FB182
JET SIZE	3/12	3/12
FROM	332	332
TO	358	358
FOOTAGE	26	26
HRS.	3 1/4	2 1/4
COND.		

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	358	394	36	1/4	12 1/4
REAMED	358	394			
CORED					

TALLY

No.		LENGTH
	STANDS	
	SINGLE	
12	D.C.'s	355.94
		2.35
		15.06
	KELLY IN	20.65
	TOTAL	394.00
	RAT HOLE TOP	394

BIT RECORD

BIT No.	RR1B	RR3A
SIZE	12 1/4	8 3/4
MAKE	SMITH	✓
TYPE	DT-J	✓
SERIAL	FB182	
JET SIZE	3/12	3/12
FROM	332	358
TO	358	376
FOOTAGE	26	19
HRS.	2 1/4	2
COND.		

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	D. McAlpine	12
DERRICK	J. Smithyb	12
MOTORMAN	J. Wilson	12
FLOORMAN	D. Hibbert	12
FLOORMAN	J. Kendi	12
FIREMAN		

REMARKS AND INJURIES:

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	E. J. Doyle	12
DERRICK	G. Campbell	12
MOTORMAN	K. Wilson	12
FLOORMAN	A. Jenson	12
FLOORMAN	L. Johnson	12
FIREMAN		
FLOOR	T. Hanson	12

REMARKS AND INJURIES:

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: L. B. Valenzuela APPROVED: [signature]

Mobil Oil Canada, Ltd.
DAILY DRILLING REPORT

DATE Dec 18/70 — No. 3 — DAILY TIME SHEET (REV. 11/68)

FIELD or AREA: Norman Wells — WELL NAME & No. Mobil Hume River — CONTRACTOR 5 & T Drilling Western Co LTD — RIG No. 1 E — No. ____

Well Mobil Hume River 65° 24N 129° 21W — Approved ____ Date ____

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
2 A.M.										
4 A.M.										
6 A.M.										
8 A.M.										

LINER SIZE: ____ STROKE ____

MUD & CHEMICALS

LBS. Added	KIND

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
10 A.M.	93	59			2	60	69	900	125'	3/4
NOON	93	52			4	120	69	850	204	1/4
2 P.M.	94	50			4	120	✓	850		
4 P.M.										

LINER SIZE: ____ STROKE ____

MUD & CHEMICALS

LBS. Added	KIND
25#	Lime

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
6 P.M.	95	50			4	90	69	350		
8 P.M.								775		
10 P.M.										
12 P.M.										

LINER SIZE: 5½ STROKE 14"

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

CASING TESTED TO: ____ PSI. MIN. ____ FORMATION TESTED ____ PSI. MIN. ____ EQUIPMENT FAILURES ____ TIME LOST ____

RIG FUEL CONSUMPTION ____ GALS BOILER FUEL CONSUMPTION ____ GALS WIRELINE TON MILE ____ TOOL PUSHER M Galeza APPROVED ____

WORK RECORD — 12 - 8 TOUR

START	STOP	HRS.	
12			WOC

BOP Tested

DRILLER: R. Henley CONTRACTOR'S TIME ____ CO's. TIME ____

8 - 4 TOUR

START	STOP	HRS.	
8:00	8:05	½	Rig Service
8:05	9:05	1	Strip up packed hole assembly
9:05	9:15	¼	Dir. Survey @ 125'
9:15	10:45	1½	Drlg 9¾" pilot hole
10:45	11:00	¼	Survey @ 185' ¾°
11:00	3:15	4¼	Drlg 9¾" hole
3:15	3:30	¼	Survey @ 204' 1½°
3:30	4:00	½	Trip out ? Run 2 w/ 12¼" hole opener

Ran B.T. #2A DT-3 = FA341 on Std. J Hole opener

BOP Tested

DRILLER: Gray / Dow CONTRACTOR'S TIME ____ CO's. TIME ____

4 - 12 TOUR

START	STOP	HRS.	
4:00	4:15	¼	Rig Service
4:15	9:00	4¾	Reaming 8¾" pilot hole to 12¼" w/ hole opener
9:00	9:15	¼	Pull out - lay down reamer + bell sub + arm
9:15	12:00	2¾	In w/ Bit #2A 8¾"
12:45	12:00	2¾	Drlg 9¾" Hole

BOP Tested

DRILLER: ____ CONTRACTOR'S TIME ____ CO's. TIME ____

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY No.	LENGTH	BIT RECORD BIT No.		
STANDS		SIZE		
SINGLE		MAKE		
D.C.'s		TYPE		
		SERIAL		
		JET SIZE		
		FROM		
		TO		
KELLY IN		FOOTAGE		
TOTAL		HRS.		
RAT HOLE TOP		COND.		

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	97	204	107'	6¾	9¾
REAMED					
CORED					

TALLY No.	LENGTH	BIT RECORD BIT No.	2A	2B
STANDS		SIZE	9¾	12¼
SINGLE		MAKE	Smith	
5 D.C.'s	1895'	TYPE	DTJ	HO
Jack Hole	2.62	SERIAL	FA341	4509
		JET SIZE	3/13	
		FROM	97	97
		TO	204	
KELLY IN	40.50	FOOTAGE	107	
TOTAL	204.69	HRS.	6¾	
RAT HOLE TOP	99'	COND.	2-1	

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					8¾
REAMED	97	220	123	4¾	12¼
CORED					

TALLY No.	LENGTH	BIT RECORD BIT No.	2B	3A
STANDS		SIZE	12¼	8¾
SINGLE		MAKE	HO	Smith
7 D.C.'s	206.50	TYPE		DTJ
		SERIAL		E4328
		JET SIZE		3/13
Jars	26.62	FROM	97	220
		TO	220	260
KELLY IN	34.34	FOOTAGE	123	40
TOTAL	260	HRS.	4¾	2¼
RAT HOLE TOP		COND.		

Tour 1	Midnite to 8 A.M.	Hrs.	T
DRILLER	R. Henley	8	8
DERRICK	P. Zeimmer	8	8
MOTORMAN	K. Stemp	8	8
FLOORMAN	A. Williams	8	8
FLOORMAN			
FIREMAN	K McGregor	8	8

REMARKS AND INJURIES:

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	[illegible]	12
DERRICK	J. Smith	12
MOTORMAN	G. Nelson	12
FLOORMAN	P. Hebert	12
FLOORMAN	J. Hanlon	12
FIREMAN		
	W. Dunford	
	R. Hoffman	

REMARKS AND INJURIES:

Tour 3	4 P.M. to Midnite	Hrs.	T
DRILLER	D.J. Doyle	4	8
DERRICK	G. Campbell	4	8
MOTORMAN	K. Wilson	4	8
FLOORMAN	A. Jensen	4	8
FLOORMAN	L. Johnsen	4	8
FIREMAN	T. Hanson	4	8

REMARKS AND INJURIES:

MOBIL OIL CANADA, LTD.
CASING AND CEMENTING REPORT

3-38 (REV. 4/67)

WELL NAME Mobil Hay River DATE Dec. 17/70.

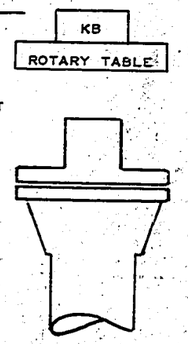
LOCATION LS ___, SEC ___, TWP ___, RGE ___, W ___M

CASING (LIST IN ORDER RUN) 65°-29'W. 129°-31'W.

	SIZE	WT	GRADE	THREADS NO.	THREADS TYPE	NEW OR USED	NO. JOINTS	LENGTH TOTAL
1	13⅜	54.5	S55	4	L.T.			
2					STC	N	3	100.42
3								
4								
5								
6								
7								

TOTAL CASING ON THE LEASE BEFORE STARTING — 3 — 100.42
CASING REMAINING ON THE LEASE AFTER RUNNING
TOTAL CASING RUN — 100.42
LENGTH UP FROM KB ON LANDING JOINT — 3.42
CASING LANDED AT — 97.00

KB ELEVATION ___
KB TO FLANGE ___ FT
CASING FLANGE ___
TYPE ___
MFRG ___
SIZES ___
WP ___



CASED BOTTOM AT 97 KB PIPE LANDED 97 FEET OFF BOTTOM
SCRATCHERS TYPE ___ MFGR ___ INTERVAL ___
CENTRALIZERS TYPE Fulton MFGR Ford Cut INTERVAL Square Tooth.
FLOAT COLLAR AT ___ LENGTH ___ MFGR ___ TYPE ___ WELDED LOCKED
FLOAT SHOE AT ___ LENGTH ___ MFGR ___ TYPE ___ WELDED LOCKED
STAGE COLLAR AT ___ LENGTH ___ MFGR ___ TYPE ___ WELDED LOCKED

CEMENT SERVICE COMPANY B J TRUCK MODEL ___ HHP ___

	TYPE	ADDITIVES	CU FT	SACKS	SLURRY WT
1	G + 2	2% calc.		1-10	15.2
2	4 F.L.				
3	H.L.S.				
4					

MUD WT ___ VISC 42 W/L ___ PH ___ FC ___ GEL ___
HOLE SIZES 17½ TD DRILLER 97 TD LOG — TD CASING 97
CALIPER USED YES NO

WATER TESTED YES NO HOW ___ TEMP. 69°F. TYPE ___

TIMES
FINISH CIRCULATING ___ AM PM START CASING ___ AM PM CASING IN 12 AM PM CIRCULATE CASING 1 AM PM
RIG TO CEMENT 3 AM PM START MIXING 3 AM PM FINISH MIXING 3 AM PM START DISPLACING 3 AM PM PLUG DOWN 3 AM PM
PUMPING TIME 5 MIN CASING VOLUME 15 BBLS AVERAGE PUMPING RATE 3 BBL/MIN CASING LANDED 3 AM PM
HOW 4 Arms at 1st Cmtd thru Table.

PRESSURES
BREAK CIRCULATION ___ PSI CIRCULATING ___ PSI FINAL PUMPING ___ PSI BUMPED PLUG ___ PSI FLOAT HELD YES NO

REMARKS (DESCRIBE HOW PIPE WAS WORKED AND ANY PROBLEMS DURING JOB) STATE DISPOSITION OF DRY CEMENT, WATER AND SLURRY SAMPLES
Reciprocated Pipe.
Lost Tool Joint Wiper Plug
Rig Up Wait on

SIGNATURE ___

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3-27 (REV. 4/67)

MOBIL OIL CANADA, LTD.
PIPE TALLY FORM

SHEET NO.

NB THIS IS A "THREADS OFF" TALLY

DATE Dec 17/70

WELL NAME Mobil Hay River

LOCATION LS ___, SEC ___, TWP ___, RGE ___, W ___ M

JOINTS 0 TO 100 SIZE 13⅜ GRADE S55 WT 54.5 THREADS 8rd STC 100.42
JOINTS ___ TO ___ SIZE ___ GRADE ___ WT ___ THREADS ___
JOINTS ___ TO ___ SIZE ___ GRADE ___ WT ___ THREADS ___
JOINTS ___ TO ___ SIZE ___ GRADE ___ WT ___ THREADS ___
JOINTS ___ TO ___ SIZE ___ GRADE ___ WT ___ THREADS ___
JOINTS ___ TO ___ SIZE ___ GRADE ___ WT ___ THREADS ___

	FT	10TH	FT	10TH	FT	10TH	FT	10TH	FT	10TH	FT	10TH	FT	10TH	FT	10TH	TOTALS	
1	41	71																
2	41	10																
3	41	11																
4																		
5																		
6																		
7																		
8																		
9																		
10																		
TOTAL	100	42																

1																		
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
TOTAL																		

1																		
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
TOTAL																		

NB ON CASING TALLY THE FIRST JOINT LENGTH INCLUDES FLOAT AND SHOE
FIRST 10 JOINTS TO BE RUN IN ORDER TALLIED

SIGNATURE ___

NOTE DISTRIBUTION: WHITE COPY - FORWARD TO AREA WELL FILE / YELLOW COPY - FORWARD TO DIVISION WELL FILES / PINK COPY - FORWARD TO CONSERVATION BOARD

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE Dec 17/70 — No. 2 — DAILY TIME SHEET 3-35 (REV. 1/68)

FIELD or AREA: Norman Wells — WELL NAME & No. Mobil Hume River — CONTRACTOR Sxt Drilling Western Co. LTD — RIG No. 1E — No. ____

Well Mobil Hume River 65° 29 N. 129° 31' W

Approved ____ Date ____

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
2 A.M.	56								97	3/4
4 A.M.	54									
6 A.M.	60									
8 A.M.										

LINER SIZE: ____ STROKE ____

MUD & CHEMICALS

LBS. Added	KIND
150	Lime
50	Caustic

2 Days at 3:00 pm: Dec 17/70.

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
10 A.M.										
NOON										
2 P.M.										
4 P.M.										

LINER SIZE: ____ STROKE ____

MUD & CHEMICALS

LBS. Added	KIND

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
6 P.M.										
8 P.M.										
10 P.M.										
12 P.M.										

LINER SIZE: ____ STROKE ____

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

WORK RECORD — 12-8 TOUR

START	STOP	HRS.	
12:00	12:15	1/4	Survey
12:15	12:30	1/4	Rig Serv
12:30	1:30	1	Drlg. 12¼ hole pobotang
1:30	2:30	1	Pulled 2 collars 2 pucks 17½ reamer
2:30	6:45	4¼	Reamed 17½ hole
6:45	6:00	1¼	Circ to run Casing

Ran 3 jts. 13 3/8 55. 54.5 lb. 8rd Thd STC Csg w/ Saw Tooth Collar on Btm. Thread lock'd & welded Collars. Cemented w/ 190 Sx. Cement + 3% Calcha. Slurry wt 15.2 #pg. Displaced w/ Drilling mud. By Volume 1 BBls. Shut in + Set on Btm. at 97 ft.

DC Mar.

BOP Tested — DRILLER: K Henley — CONTRACTOR'S TIME — CO's. TIME

8-4 TOUR

START	STOP	HRS.	
6:00	6:30	1/2	Circ to cut 13 3/8" Csg.
6:30	9:00	2½	Rig Service. Lay down DC's. Hole opener. Stop Kelly
9:00	12:00	3	Rig to Run 13 3/8 Conductor. with all Collars
12:00	2:00	2	Rig to Circ Conductor. 340 BBL
2:00	3:00	1	Rig to Cementing Conductor
3:00	4:00	1	W.O.C

BOP Tested — DRILLER: A Peterson — CONTRACTOR'S TIME — CO's. TIME

4-12 TOUR

START	STOP	HRS.	
4:00	12:00	8	W.O.C

BOP Tested — DRILLER: Kelly + Gang — CONTRACTOR'S TIME — CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	76	97	21		12¼
REAMED					
CORED					

TALLY

No.		LENGTH
	STANDS	
	SINGLE	
1	D.C.'s	299.7
1	DC's	249.5
2	Bit subs	3.20
1	Rollerbit	2.35
	KELLY IN	33.50
	TOTAL	97
	RAT HOLE TOP	

BIT RECORD

BIT No.	1A
SIZE	12¼
MAKE	Smith
TYPE	
SERIAL	FB182
JET SIZE	
FROM	76
TO	97
FOOTAGE	21
HRS.	11
COND.	Good

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY

No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
	KELLY IN	
	TOTAL	
	RAT HOLE TOP	

BIT RECORD

BIT No.	
SIZE	
MAKE	
TYPE	
SERIAL	
JET SIZE	
FROM	
TO	
FOOTAGE	
HRS.	
COND.	

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY

No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
	KELLY IN	
	TOTAL	
	RAT HOLE TOP	

BIT RECORD

BIT No.	
SIZE	
MAKE	
TYPE	
SERIAL	
JET SIZE	
FROM	
TO	
FOOTAGE	
HRS.	
COND.	

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	R Henley	12
DERRICK	D Zimmer	12
MOTORMAN	W Stamp	12
FLOORMAN	A Williams	12
FLOORMAN	K McGregor	12
FIREMAN		

REMARKS AND INJURIES:

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	A Peterson	12
DERRICK	J Swiftych	12
MOTORMAN	J Nikolaj	12
FLOORMAN	G Hurlburt	12
FLOORMAN	G Hunter	12
FIREMAN		
	Ed Jurchuk	

REMARKS AND INJURIES:

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: ____ PSI. MIN. ____ FORMATION TESTED ____ PSI. MIN. ____ EQUIPMENT FAILURES ____ TIME LOST ____

RIG FUEL CONSUMPTION ____ GALS BOILER FUEL CONSUMPTION ____ GALS WIRELINE TON MILE ____ TOOL PUSHER B Valenzia APPROVED [illegible]

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE Dec 16/70 — No. 1 DAILY TIME SHEET 3-35 (REV. 11/68)

FIELD or AREA: Norman Wells — WELL NAME & No. Mobil Hume River — CONTRACTOR Sut Drilling Western Co. LTD — No. L-04 — RIG No. 1E.

Well Mobil Hume River 65° 29' N 129° 31' W

Approved _____ Date _____

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
2 A.M.										
4 A.M.										
6 A.M.										
8 A.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND
2500	Gel
100	Caustic

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
10 A.M.										
NOON										
2 P.M.										
4 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
6 P.M.										
8 P.M.										
10 P.M.										
12 P.M.	55									

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND
50	Lime		

WORK RECORD — 12-8 TOUR

START	STOP	HRS.	
12:00	4:00	4	Rig up to Spud.
4:00	6:30	2½	Mix Gel.
6:30	8:00	1½	Spud in w/ 12¼ B.T.

BOP Tested — DRILLER: R. Henley — CONTRACTOR'S TIME — CO's. TIME

START	STOP	HRS.	
8:00	8:30	½	Drlg 12¼ hole
8:30	9:00	½	Rig Service
9:00	1:00	4	Rig to drill Rathole
1:00	2:30	1½	Repair cellar set
2:30	4:30	2	Drill Rathole

BOP Tested — DRILLER: B. Clemens — CONTRACTOR'S TIME — CO's. TIME

8-4 TOUR

START	STOP	HRS.	
4:00	4:15	¼	Rig Service
4:15	6:00	1¾	Drill Rathole
6:00	6:15	¼	Try Jetting in Kelly Sock - unable to.
6:15	8:00	1¾	Pull drill 10' & Rathole
8:00	9:00	1	Pump K. Mg out Cellar
9:00	10:00	1	Mix Lime
10:00	12:00	2	Drlg 12¼ hole

BOP Tested — DRILLER: Bryce Kelly — CONTRACTOR'S TIME — CO's. TIME

4-12 TOUR

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: U. Yabenza APPROVED: K. B. Mizard

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	0	42	42	12½	17½
REAMED					
CORED					

TALLY

No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
	KELLY IN	
	TOTAL	
	RAT HOLE TOP	

BIT RECORD

BIT No.	
SIZE	
MAKE	
TYPE	
SERIAL	
JET SIZE	
FROM	
TO	
FOOTAGE	
HRS.	
COND.	

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	R. Henley	12
DERRICK	D. Ziemmer	12
MOTORMAN	W. Shemp.	12
FLOORMAN	A. Williams.	12
FLOORMAN	K. McGregor.	12
FIREMAN		

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	42	47	5	½	13¾
REAMED					
CORED					

TALLY

No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
	KELLY IN	
	TOTAL	
	RAT HOLE TOP	

BIT RECORD

BIT No.	1A
SIZE	12¼
MAKE	Smith
TYPE	DT-5
SERIAL	F81[illegible]
JET SIZE	
FROM	0
TO	47
FOOTAGE	47
HRS.	2
COND.	Rund

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	B. Clemens	12
DERRICK	J. Smithy	12
MOTORMAN	J. Wilson	12
FLOORMAN	D. Hurlburt	12
FLOORMAN	F. Kendi	12
FIREMAN		

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	47	76	29	2	12¼
REAMED					
CORED					

TALLY

No.		LENGTH
	STANDS	
	SINGLE	
1	D.C.'s	29.97
1	Bilsch	320
8	Bilsch	235
	KELLY IN	4050
	TOTAL	76.02
	RAT HOLE TOP	

BIT RECORD

BIT No.	1A
SIZE	12¼
MAKE	Smith
TYPE	DT-5
SERIAL	F81[illegible]
JET SIZE	
FROM	47
TO	76
FOOTAGE	29
HRS.	2
COND.	Runs

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE DEC 15/70 — No. 33 — DAILY TIME SHEET 3-35 (REV. 11/68)

FIELD or AREA HORN AN WELLS AREA — WELL NAME & No. MOBIL HUME RIVER L-09 — CONTRACTOR S&T DRILLING WESTERN CO. LTD. — RIG No. 1E — Well MOBIL HUME RIVER L-09 65° 29' N 129° 31' W — Approved _____ Date _____

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
2 A.M.										
4 A.M.										
6 A.M.										
8 A.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND

START	STOP	HRS.	WORK RECORD 12-8 TOUR
1200			PUT UP PREFAB ON FLOOR.
	2000	8	RIG UP TO SPUD.

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY No.	LENGTH	BIT RECORD BIT No.			
STANDS		SIZE			
SINGLE		MAKE			
D.C.'s		TYPE			
		SERIAL			
		JET SIZE			
		FROM			
		TO			
KELLY IN		FOOTAGE			
TOTAL		HRS.			
RAT HOLE TOP		COND.			

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	R. HENLEY	12
DERRICK	DZIEMNDR	12
MOTORMAN	W. STAMP	12
FLOORMAN	A. WILLIAMS	12
FLOORMAN	K. McGREGOR	12
FIREMAN		

REMARKS AND INJURIES:

BOP Tested — DRILLER: R. Henley — CONTRACTOR'S TIME — CO's. TIME

	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
10 A.M.										
NOON										
2 P.M.										
4 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND

START	STOP	HRS.	8-4 TOUR
800	400		Rig up pumps, mud lines, cellar, jets. Put up BJ prefabs. Pick up Kelly. Unload 2 loads pump from Vanguard. Assist Rig Electrician.

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY No.	LENGTH	BIT RECORD BIT No.			
STANDS		SIZE			
SINGLE		MAKE			
D.C.'s		TYPE			
		SERIAL			
		JET SIZE			
		FROM			
		TO			
KELLY IN		FOOTAGE			
TOTAL		HRS.			
RAT HOLE TOP		COND.			

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	R. Henley	12
DERRICK	J. Dmytryk	12
MOTORMAN	J. Williams	12
FLOORMAN	D. Hazlett	12
FLOORMAN	G. Kindle	12
FIREMAN		
	W. Demchuk	12

REMARKS AND INJURIES:

BOP Tested — DRILLER: A. Williams — CONTRACTOR'S TIME — CO's. TIME

	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
6 P.M.										
8 P.M.										
10 P.M.										
12 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

START	STOP	HRS.	4-12 TOUR
400			Rig up to Spud & Prime Pumps.

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY No.	LENGTH	BIT RECORD BIT No.			
STANDS		SIZE			
SINGLE		MAKE			
D.C.'s		TYPE			
		SERIAL			
		JET SIZE			
		FROM			
		TO			
KELLY IN		FOOTAGE			
TOTAL		HRS.			
RAT HOLE TOP		COND.			

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

BOP Tested — DRILLER: Ruby & Ike — CONTRACTOR'S TIME — CO's. TIME

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER A. Valenza APPROVED: A. Moore

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE DEC 14/70 No. 32 DAILY TIME SHEET 3-35 (REV. 1/68)

FIELD or AREA NORMAN WELLS AREA WELL NAME & No. MOBIL HOME RIVER A-09 CONTRACTOR S&T DRILLING WESTERN CO LTD RIG No. _____ Approved _____ Date _____

No. L-09 Well MOBIL HOME RIVER 65° 29' 10" 129° 31' 1" W

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
2 A.M.										
4 A.M.										
6 A.M.										
8 A.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND

START	STOP	HRS.

WORK RECORD 12-8 TOUR

R.9 UP START #2 379 MOTOR & #2 LIGHT PLANT
CEMENT CRIBING IN CELLAR.

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY No.	LENGTH
STANDS	
SINGLE	
D.C.'s	
KELLY IN	
TOTAL	
RAT HOLE TOP	

BIT RECORD					
BIT No.					
SIZE					
MAKE					
TYPE					
SERIAL					
JET SIZE					
FROM					
TO					
FOOTAGE					
HRS.					
COND.					

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	K. HENLEY	12
DERRICK	D ZIEMMER	12
MOTORMAN	W SIEMP	12
FLOORMAN	A. WILLIAMS	8
FLOORMAN	R. McGREGOR	12
FIREMAN		

REMARKS AND INJURIES:

	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
10 A.M.										
NOON										
2 P.M.										
4 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND

BOP Tested

START	STOP	HRS.
8:00	8:00	12

DRILLER: CONTRACTOR'S TIME CO's. TIME

8-4 TOUR

Rigging up floor - tie bolts & derrick. Spud 4" started via Fantail 1:00 PM Dec 14 Drilled 12 hrs to 11 m

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY No.	LENGTH
STANDS	
SINGLE	
D.C.'s	
KELLY IN	
TOTAL	
RAT HOLE TOP	

BIT RECORD					
BIT No.					
SIZE					
MAKE					
TYPE					
SERIAL					
JET SIZE					
FROM					
TO					
FOOTAGE					
HRS.					
COND.					

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	G ALENIUS	12
DERRICK	J SWITLYK	12
MOTORMAN	J. WILSON	12
FLOORMAN	G. HIEBERT	12
FLOORMAN	F RENDE	12
FIREMAN		

REMARKS AND INJURIES:

	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
6 P.M.										
8 P.M.										
10 P.M.										
12 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

BOP Tested

START	STOP	HRS.

DRILLER: CONTRACTOR'S TIME CO's. TIME

4-12 TOUR

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY No.	LENGTH
STANDS	
SINGLE	
D.C.'s	
KELLY IN	
TOTAL	
RAT HOLE TOP	

BIT RECORD					
BIT No.					
SIZE					
MAKE					
TYPE					
SERIAL					
JET SIZE					
FROM					
TO					
FOOTAGE					
HRS.					
COND.					

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS. BOILER FUEL CONSUMPTION _____ GALS. WIRELINE TON MILE _____ TOOL PUSHER N Balenga APPROVED D Moore

L-09

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE DEC 13/1970 — No. 31 DAILY TIME SHEET 3-35 (REV. 1/68)

FIELD or AREA NORMAN WELLS AREA — WELL NAME & No. MOBIL HUME RIVER L09 — CONTRACTOR S&T DRILLING WESTERN — RIG No. 1E — No. ____ — Well MOBIL HUME RIVER — 65° 29' N 129° 31' W — Approved ____ Date ____

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEVIATION DEG.
2 A.M.										
4 A.M.										
6 A.M.										
8 A.M.										

LINER SIZE: ____ STROKE ____

MUD & CHEMICALS

LBS. Added	KIND

START	STOP	HRS.	WORK RECORD — 12-8 TOUR
			RIG UP THAW OUT AIR LINES
			HEAT & START # 1 MOTOR

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY

No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
	KELLY IN	
	TOTAL	
	RAT HOLE TOP	

BIT RECORD

BIT No.	
SIZE	
MAKE	
TYPE	
SERIAL	
JET SIZE	
FROM	
TO	
FOOTAGE	
HRS.	
COND.	

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	R. HENLEY	12
DERRICK	D ZIEMMER	12
MOTORMAN	W SIEMP.	12
FLOORMAN	A. WILLIAMS	8
FLOORMAN	K McGREGOR	12
FIREMAN		

REMARKS AND INJURIES:

	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEVIATION DEG.
10 A.M.										
NOON										
2 P.M.										
4 P.M.										

LINER SIZE: ____ STROKE ____

MUD & CHEMICALS

LBS. Added	KIND

BOP Tested

START	STOP	HRS.	DRILLER:	CONTRACTOR'S TIME	CO's. TIME
8:00	8:00	12	8-4 TOUR		
			Rigging up - Thaw Out Lines and get Operating Started		
			Unload 2 Loads of Equipment		
			Jim Log Wanderville Trucks.		
			Rig to Move Derrick		

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY

No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
	KELLY IN	
	TOTAL	
	RAT HOLE TOP	

BIT RECORD

BIT No.	
SIZE	
MAKE	
TYPE	
SERIAL	
JET SIZE	
FROM	
TO	
FOOTAGE	
HRS.	
COND.	

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	[illegible]	12
DERRICK	J Swiftyke	12
MOTORMAN	D Wilson	12
FLOORMAN	[illegible] Hoehust	12
FLOORMAN	— Kunelia	12
FIREMAN		
	W Dieschuck	

REMARKS AND INJURIES:

	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEVIATION DEG.
6 P.M.										
8 P.M.										
10 P.M.										
12 P.M.										

LINER SIZE: ____ STROKE ____

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

BOP Tested

START	STOP	HRS.	DRILLER:	CONTRACTOR'S TIME	CO's. TIME
			[illegible]	4-12 TOUR	

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY

No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
	KELLY IN	
	TOTAL	
	RAT HOLE TOP	

BIT RECORD

BIT No.	
SIZE	
MAKE	
TYPE	
SERIAL	
JET SIZE	
FROM	
TO	
FOOTAGE	
HRS.	
COND.	

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

BOP Tested

START	STOP	HRS.	DRILLER:	CONTRACTOR'S TIME	CO's. TIME

CASING TESTED TO: ____ PSI. MIN. ____ FORMATION TESTED ____ PSI. MIN. ____ EQUIPMENT FAILURES ____ TIME LOST ____

RIG FUEL CONSUMPTION ____ GALS BOILER FUEL CONSUMPTION ____ GALS WIRELINE TON MILE ____ TOOL PUSHER [illegible] APPROVED: [illegible]

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE DEC 12 1970

No. 30 DAILY TIME SHEET 3-35 (REV. 1 1/68)

FIELD or AREA NORMAN WELLS AREA WELL NAME & No. MOBIL HUME RIVER 19 CONTRACTOR S & T DRLG WESTERN CO LTD RIG No. 1E No.

Well MOBIL HUME RIVER 65°29'N 134°31'W.

Approved _____ Date _____

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
2 A.M.										
4 A.M.										
6 A.M.										
8 A.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
10 A.M.										
NOON										
2 P.M.										
4 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
6 P.M.										
8 P.M.										
10 P.M.										
12 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: V Balenya APPROVED: [signature]

START	STOP	HRS.

WORK RECORD 12 - 8 TOUR

RIG UP THAW OUT LINES
START BOTH BOILERS
PUT PARACHUTE ON #1 MOTOR.
UNHOOD BRISTOL

START #1 & 2 BOILERS. 1200 NOON DEC 12, 1970.
ALL TIME TO MOBIL

SOP Tested

DRILLER: CONTRACTOR'S TIME CO's. TIME

8 - 4 TOUR

START	STOP	HRS.

BOP Tested

DRILLER: CONTRACTOR'S TIME CO's. TIME

4 - 12 TOUR

START	STOP	HRS.

BOP Tested

DRILLER: CONTRACTOR'S TIME CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY

No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
	KELLY IN	
	TOTAL	
	RAT HOLE TOP	

BIT RECORD

BIT No.	
SIZE	
MAKE	
TYPE	
SERIAL	
JET SIZE	
FROM	
TO	
FOOTAGE	
HRS.	
COND.	

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	R. HENLEY	12
DERRICK	D ZIEMMER	12
MOTORMAN	W SHEMP	12
FLOORMAN	A. WILLIAMS	8
FLOORMAN	K. McGREGOR	12
FIREMAN		

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY

No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
	KELLY IN	
	TOTAL	
	RAT HOLE TOP	

BIT RECORD

BIT No.	
SIZE	
MAKE	
TYPE	
SERIAL	
JET SIZE	
FROM	
TO	
FOOTAGE	
HRS.	
COND.	

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	G ARENIUS	12
DERRICK	J. SMITLYK	12
MOTORMAN	J. WILSON	12
FLOORMAN	G HILBERT	12
FLOORMAN	F KENDI	12
FIREMAN	H DEMCHUK	

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY

No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
	KELLY IN	
	TOTAL	
	RAT HOLE TOP	

BIT RECORD

BIT No.	
SIZE	
MAKE	
TYPE	
SERIAL	
JET SIZE	
FROM	
TO	
FOOTAGE	
HRS.	
COND.	

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE DEC 11 1970 — No. 29 — DAILY TIME SHEET 7-35 (REV. 11/68)

FIELD or AREA: NORMAN WELLS AREA — WELL NAME & No. MOBIL HUME RIVER L 9 — No. ____

CONTRACTOR S & T DRILLING WESTERN CO LTD — RIG No. 1E

Well NO 3. L HUME RIVER 65° 39' N 129° 31' W

Approved ____ Date ____

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
2 A.M.										
4 A.M.										
6 A.M.										
8 A.M.										

LINER SIZE: ____ STROKE ____

MUD & CHEMICALS

LBS. Added	KIND

START	STOP	HRS.

WORK RECORD — 12 - 8 TOUR

RIGGING UP. WORK ON BOILER.
NO WATER TRUCK BROKE DOWN.
HOOK UP SUIT CASES.

ALL TIME TO MOBIL OIL

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY

No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
KELLY IN		
TOTAL		
RAT HOLE TOP		

BIT RECORD

BIT No.	
SIZE	
MAKE	
TYPE	
SERIAL	
JET SIZE	
FROM	
TO	
FOOTAGE	
HRS.	
COND.	

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	R. HEWLEY	
DERRICK	D ZIFFMER.	
MOTORMAN	W SLEMP	
FLOORMAN	A. WILLIAMS	
FLOORMAN	K. McGREGOR	
FIREMAN		

REMARKS AND INJURIES:

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
10 A.M.										
NOON										
2 P.M.										
4 P.M.										

LINER SIZE: ____ STROKE ____

MUD & CHEMICALS

LBS. Added	KIND

BOP Tested

START	STOP	HRS.

DRILLER: CONTRACTOR'S TIME CO's. TIME

8 - 4 TOUR

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY

No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
KELLY IN		
TOTAL		
RAT HOLE TOP		

BIT RECORD

BIT No.	
SIZE	
MAKE	
TYPE	
SERIAL	
JET SIZE	
FROM	
TO	
FOOTAGE	
HRS.	
COND.	

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	G AHEARNS	
DERRICK	J SWITLYK	
MOTORMAN	J WILSON.	
FLOORMAN	G HIEBERT	
FLOORMAN	F KENDI	
FIREMAN		

MECH. M DEARLOVE

REMARKS AND INJURIES:

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
6 P.M.										
8 P.M.										
10 P.M.										
12 P.M.										

LINER SIZE: ____ STROKE ____

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

BOP Tested

START	STOP	HRS.

DRILLER: CONTRACTOR'S TIME CO's. TIME

4 - 12 TOUR

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY

No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
KELLY IN		
TOTAL		
RAT HOLE TOP		

BIT RECORD

BIT No.	
SIZE	
MAKE	
TYPE	
SERIAL	
JET SIZE	
FROM	
TO	
FOOTAGE	
HRS.	
COND.	

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

BOP Tested

DRILLER: CONTRACTOR'S TIME CO's. TIME

CASING TESTED TO: ____ PSI. MIN. ____ FORMATION TESTED ____ PSI. MIN. ____ EQUIPMENT FAILURES ____ TIME LOST ____

RIG FUEL CONSUMPTION ____ GALS BOILER FUEL CONSUMPTION ____ GALS WIRELINE TON MILE ____ TOOL PUSHER: B Belanger APPROVED: K Anderson

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE Dec 10/70

No.

FIELD or AREA Normanwells Area WELL NAME & No. Mobil Humeriver L-9 CONTRACTOR S&T Drilling Western RIG No. 1E

WORK RECORD

12-8 TOUR

Rigging up. Put up prefabs. Unload two Bristol. Load of cement. Trucks hauled 1 sloop camp plywood shack & B.J. prefab house & matting 2 loads fuel.

All time to Mobil Oil

DRILLER: CONTRACTOR'S TIME CO's. TIME

8-4 TOUR

DRILLER: CONTRACTOR'S TIME CO's. TIME

4-12 TOUR

DRILLER: CONTRACTOR'S TIME CO's. TIME

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
2 A.M.										
4 A.M.										
6 A.M.										
8 A.M.										
10 A.M.										
NOON										
2 P.M.										
4 P.M.										
6 P.M.										
8 P.M.										
10 P.M.										
12 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS — LBS. Added / KIND / LBS. / ON HAND

BOP Tested

DAILY TIME SHEET

No. 28 — 3-35 REV. 1/68

Well Mobil Humeriver
65° 29' N 129° 34' W

Approved ______ Date ______

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	R. Henley	12
DERRICK	D. Ziemmer	12
MOTORMAN	W. Sienap.	12
FLOORMAN	A Williams	12
FLOORMAN	K. McGregor	12
FIREMAN		

REMARKS AND INJURIES:

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	G. Akenius	12
DERRICK	J. Switlyk	12
MOTORMAN	I. Wilson	12
FLOORMAN	G Hiebert	12
FLOORMAN	F. Kendi	12
FIREMAN		
Mech	N Demchuk	

REMARKS AND INJURIES:

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: ______ PSI. MIN. ______ FORMATION TESTED ______ PSI. MIN. ______ EQUIPMENT FAILURES ______ TIME LOST ______

RIG FUEL CONSUMPTION ______ GALS BOILER FUEL CONSUMPTION ______ GALS WIRELINE TON MILE ______ TOOL PUSHER [signature] APPROVED: [signature]

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE DEC 9 1970 — No. 27 DAILY TIME SHEET 3-35 (REV. 1 1/68)

FIELD or AREA NORMAN WELLS AREA — WELL NAME & No. MOBIL HUME RIVER 29 — CONTRACTOR SAT DRILLING WESTERN — No. — RIG No. 1E

Well MOBIL HUME RIVER 65° 29' N 129° - 31' W. — Approved — Date

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
2 A.M.										
4 A.M.										
6 A.M.										
8 A.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
10 A.M.										
NOON										
2 P.M.										
4 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
6 P.M.										
8 P.M.										
10 P.M.										
12 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

BOP Tested

START	STOP	HRS.

DRILLER: CONTRACTOR'S TIME CO's. TIME

WORK RECORD — 12 - 8 TOUR

SPOT SKID MOTORS & PUMPS.
R.G UP. SAME
RIGGING UP.
UNLOAD BR. STOL & D.C. 3 PLANES

TIME ALL MOBIL OIL CHARGE

BOP Tested

START	STOP	HRS.

DRILLER: CONTRACTOR'S TIME CO's. TIME

8 - 4 TOUR

BOP Tested

START	STOP	HRS.

DRILLER: CONTRACTOR'S TIME CO's. TIME

4 - 12 TOUR

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY

No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
KELLY IN		
TOTAL		
RAT HOLE TOP		

BIT RECORD

BIT No.	
SIZE	
MAKE	
TYPE	
SERIAL	
JET SIZE	
FROM	
TO	
FOOTAGE	
HRS.	
COND.	

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY

No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
KELLY IN		
TOTAL		
RAT HOLE TOP		

BIT RECORD

BIT No.	
SIZE	
MAKE	
TYPE	
SERIAL	
JET SIZE	
FROM	
TO	
FOOTAGE	
HRS.	
COND.	

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY

No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
KELLY IN		
TOTAL		
RAT HOLE TOP		

BIT RECORD

BIT No.	
SIZE	
MAKE	
TYPE	
SERIAL	
JET SIZE	
FROM	
TO	
FOOTAGE	
HRS.	
COND.	

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	R. HENLEY	12
DERRICK	D ZIEMMER	12
MOTORMAN	W. SIEMP.	12
FLOORMAN	A WILLIAMS	12
FLOORMAN	K. McGREGOR	12
FIREMAN		

REMARKS AND INJURIES:

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	G ALENIUS	12
DERRICK	L. SWITLYK	12
MOTORMAN	J. WILSON	12
FLOORMAN	G. HIEBERT	12
FLOORMAN	F KENDI	12
FIREMAN		
Alert	W. DEMCHUK	

REMARKS AND INJURIES:

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER B Balenzo APPROVED: T. Thomsen.

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE DEC 8 1970 — No. 26 — DAILY TIME SHEET 3-35 (REV. 1/68)

FIELD or AREA NORMAN WELLS AREA — WELL NAME & No. MOBIL HUME RIVER L-9 — CONTRACTOR S&T DRILLING WESTERN — RIG No. 1E — No. ____

Well MOBIL HUME R. L-9 — 65° 39' N 129° - 31' W. — Approved ____ Date ____

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
2 A.M.										
4 A.M.										
6 A.M.										
8 A.M.										

LINER SIZE: ____ STROKE ____

MUD & CHEMICALS

LBS. Added	KIND

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
10 A.M.										
NOON										
2 P.M.										
4 P.M.										

LINER SIZE: ____ STROKE ____

MUD & CHEMICALS

LBS. Added	KIND

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
6 P.M.										
8 P.M.										
10 P.M.										
12 P.M.										

LINER SIZE: ____ STROKE ____

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

WORK RECORD — 12 - 8 TOUR

START	STOP	HRS.	
			RIG UP ON LEASE SPOOL DRILLING LINE DERRICK LIGHTS MONKEY BOARD & CLOSE IN C.R.B. CELLAR SPOT BOILER FUEL TANK START # 1 LIGHT PLANT HAULER 2 LOADS SKID MOTOR J K 380 PUMP.
			CHANGE TIME ALL TO MOBIL OIL

BOP Tested — DRILLER: — CONTRACTOR'S TIME — CO's. TIME

8 - 4 TOUR

START	STOP	HRS.	

BOP Tested — DRILLER: — CONTRACTOR'S TIME — CO's. TIME

4 - 12 TOUR

START	STOP	HRS.	

BOP Tested — DRILLER: — CONTRACTOR'S TIME — CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY

No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
	KELLY IN	
	TOTAL	
	RAT HOLE TOP	

BIT RECORD

BIT No.			
SIZE			
MAKE			
TYPE			
SERIAL			
JET SIZE			
FROM			
TO			
FOOTAGE			
HRS.			
COND.			

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	R. HENLEY	12
DERRICK	D ZIEMMER	12
MOTORMAN	W. SLEMP	12
FLOORMAN	A. WILLIAMS	12
FLOORMAN	K. McGREGOR	12
FIREMAN		

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY

No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
	KELLY IN	
	TOTAL	
	RAT HOLE TOP	

BIT RECORD

BIT No.			
SIZE			
MAKE			
TYPE			
SERIAL			
JET SIZE			
FROM			
TO			
FOOTAGE			
HRS.			
COND.			

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	G ALEXIUS	12
DERRICK	J. SWITLYK	12
MOTORMAN	I. WILSON	12
FLOORMAN	G HIEBERT	12
FLOORMAN	F. KENDAL	12
FIREMAN		
MECH	W. DENCHUK	

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY

No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
	KELLY IN	
	TOTAL	
	RAT HOLE TOP	

BIT RECORD

BIT No.			
SIZE			
MAKE			
TYPE			
SERIAL			
JET SIZE			
FROM			
TO			
FOOTAGE			
HRS.			
COND.			

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: ____ PSI. MIN. ____ FORMATION TESTED ____ PSI. MIN. ____ EQUIPMENT FAILURES ____ TIME LOST ____

RIG FUEL CONSUMPTION ____ GALS BOILER FUEL CONSUMPTION ____ GALS WIRELINE TON MILE ____ TOOL PUSHER: B Gabanja APPROVED: J. D. Lamm

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE DEC 7 1970 — No. 25 — DAILY TIME SHEET (REV. 11/68) 3-35

FIELD or AREA: NORMAN WELLS — WELL NAME & No. MOBIL HUME RIVER L-9 — CONTRACTOR S & T DRILLING WESTERN — RIG No. 1E — No. ____

Well MOBIL HUME RIVER 65° 29' N 129° 31' W

Approved _____ Date _____

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M.	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEVIATION DEG.
2 A.M.										
4 A.M.										
6 A.M.										
8 A.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND

START	STOP	HRS.	WORK RECORD 12-8 TOUR
			R.G. UPON LEASE PUT UP: DRAWORKS PIN DERRICK SPOT CAT WALK & BLOCK SPOT WATER TANK & DOG HOUSE LIGHT PLANT # 1 & 2 ONE MUD TANK LAY PUMP MATTING HAUL CAMP WATER.
			ALL TIME TO MOBIL

BOP Tested — DRILLER: — CONTRACTOR'S TIME — CO's. TIME

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEVIATION DEG.
10 A.M.										
NOON										
2 P.M.										
4 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND

START	STOP	HRS.	8-4 TOUR

BOP Tested — DRILLER: — CONTRACTOR'S TIME — CO's. TIME

	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEVIATION DEG.
6 P.M.										
8 P.M.										
10 P.M.										
12 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

START	STOP	HRS.	4-12 TOUR

BOP Tested — DRILLER: — CONTRACTOR'S TIME — CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY No.	LENGTH	BIT RECORD BIT No.	
STANDS		SIZE	
SINGLE		MAKE	
D.C.'s		TYPE	
		SERIAL	
		JET SIZE	
		FROM	
		TO	
KELLY IN		FOOTAGE	
TOTAL		HRS.	
RAT HOLE TOP		COND.	

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	R. HENLEY	12
DERRICK	DZIMMER	12
MOTORMAN	[redacted]	
FLOORMAN	W. BLAMP	12
FLOORMAN	A WILLIAMS	12
FIREMAN	K. McGREGOR	12

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY No.	LENGTH	BIT RECORD BIT No.	
STANDS		SIZE	
SINGLE		MAKE	
D.C.'s		TYPE	
		SERIAL	
		JET SIZE	
		FROM	
		TO	
KELLY IN		FOOTAGE	
TOTAL		HRS.	
RAT HOLE TOP		COND.	

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	G ALENIUS	12
DERRICK	J. SWITLYK	12
MOTORMAN	J. WILSON	12
FLOORMAN	G HIEBERT	12
FLOORMAN	F. KENDT	12
FIREMAN		

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY No.	LENGTH	BIT RECORD BIT No.	
STANDS		SIZE	
SINGLE		MAKE	
D.C.'s		TYPE	
		SERIAL	
		JET SIZE	
		FROM	
		TO	
KELLY IN		FOOTAGE	
TOTAL		HRS.	
RAT HOLE TOP		COND.	

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: R Valenza APPROVED: [signature]

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE DEC 6/1970 No. 24 DAILY TIME SHEET (REV. 1/68) 3-35

FIELD or AREA NORMAN WELLS AREA WELL NAME & No. MOBIL HUME RIVER L9 CONTRACTOR J & T DRILLING WESTERN RIG No. 1E No.

Well MOBIL HUME R. L9 65° 29' N 129° 31' W

Approved Date

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
2 A.M.										
4 A.M.										
6 A.M.										
8 A.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND

START	STOP	HRS.

BOP Tested

DRILLER: CONTRACTOR'S TIME CO's. TIME

WORK RECORD — 12 - 8 TOUR

UNLOAD ~~BOILER~~ ~~WALK~~ & ~~#~~ 1 LIGHT PLANT DIG CELLAR & DITCH AROUND R.S. TRUCK COME IN W/ ~~BOILER~~ CAT WALK BLOCKS & WATER TANK & DOG HOUSE SET UP 500 gal. FUEL TANK & FILL FOR CAMP

ALL TIME TO MOBIL AFE 0013

8 - 4 TOUR

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY No.	LENGTH	BIT RECORD BIT No.	
STANDS		SIZE	
SINGLE		MAKE	
D.C.'s		TYPE	
		SERIAL	
		JET SIZE	
		FROM	
		TO	
KELLY IN		FOOTAGE	
TOTAL		HRS.	
RAT HOLE TOP		COND.	

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	R. HENLEY	12
DERRICK	D. ZIEMMER	12
MOTORMAN	W. SLEMP	12
FLOORMAN	A. WILLIAMS	12
FLOORMAN	K. McGREGOR	12
FIREMAN		

REMARKS AND INJURIES:

	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
10 A.M.										
NOON										
2 P.M.										
4 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND

START	STOP	HRS.

BOP Tested

DRILLER: CONTRACTOR'S TIME CO's. TIME

8 - 4 TOUR

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY No.	LENGTH	BIT RECORD BIT No.	
STANDS		SIZE	
SINGLE		MAKE	
D.C.'s		TYPE	
		SERIAL	
		JET SIZE	
		FROM	
		TO	
KELLY IN		FOOTAGE	
TOTAL		HRS.	
RAT HOLE TOP		COND.	

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	GALENIUS	12
DERRICK	J. SMITLYK	12
MOTORMAN	L. WILSON	12
FLOORMAN	G. HIEBERT	12
FLOORMAN	F. KENDI	12
FIREMAN		

REMARKS AND INJURIES:

	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
6 P.M.										
8 P.M.										
10 P.M.										
12 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

START	STOP	HRS.

BOP Tested

DRILLER: CONTRACTOR'S TIME CO's. TIME

4 - 12 TOUR

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY No.	LENGTH	BIT RECORD BIT No.	
STANDS		SIZE	
SINGLE		MAKE	
D.C.'s		TYPE	
		SERIAL	
		JET SIZE	
		FROM	
		TO	
KELLY IN		FOOTAGE	
TOTAL		HRS.	
RAT HOLE TOP		COND.	

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: PSI. MIN. FORMATION TESTED PSI. MIN. EQUIPMENT FAILURES TIME LOST

RIG FUEL CONSUMPTION GALS BOILER FUEL CONSUMPTION GALS WIRELINE TON MILE TOOL PUSHER C. Blakeley APPROVED: F. Fortmann

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE Dec 5. 1970 — No. 19 — DAILY TIME SHEET 3-35 (REV. 1/68)

FIELD or AREA: NORMAN WELLS — WELL NAME & No. MOBIL O.L HUME R. — CONTRACTOR SAT DRILLING WESTERN — No. — RIG No. 1E.

Well MOBIL HUME RIVER 65° 38'-N 129°-31' W.

Approved _____ Date _____

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
2 A.M.										
4 A.M.										
6 A.M.										
8 A.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
10 A.M.										
NOON										
2 P.M.										
4 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND

	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
6 P.M.										
8 P.M.										
10 P.M.										
12 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS. BOILER FUEL CONSUMPTION _____ GALS. WIRELINE TON MILE _____ TOOL PUSHER: W B Galenza APPROVED: W J Sanders

START	STOP	HRS.	WORK RECORD 12-8 TOUR
			2 TRUCKS W/ LOAD OF FUEL & DRAWORKS COME IN 600 A.M.
			2 LOADS MOTOR SKID # 3 LIGHT PLANT SPOT SUB. PUT IN SPREDERS & LEVIEL SUB WORK ON BOOSTER AIRAL TRUCKS LEFT TO STOCK POINT 200 P.M.
			ALL TIME TO MOBIL OIL

BOP Tested — DRILLER: — CONTRACTOR'S TIME — CO's. TIME

START	STOP	HRS.	8-4 TOUR

BOP Tested — DRILLER: — CONTRACTOR'S TIME — CO's. TIME

START	STOP	HRS.	4-12 TOUR

BOP Tested — DRILLER: — CONTRACTOR'S TIME — CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY

No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
	KELLY IN	
	TOTAL	
	RAT HOLE TOP	

BIT RECORD

BIT No.	
SIZE	
MAKE	
TYPE	
SERIAL	
JET SIZE	
FROM	
TO	
FOOTAGE	
HRS.	
COND.	

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY

No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
	KELLY IN	
	TOTAL	
	RAT HOLE TOP	

BIT RECORD

BIT No.	
SIZE	
MAKE	
TYPE	
SERIAL	
JET SIZE	
FROM	
TO	
FOOTAGE	
HRS.	
COND.	

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY

No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
	KELLY IN	
	TOTAL	
	RAT HOLE TOP	

BIT RECORD

BIT No.	
SIZE	
MAKE	
TYPE	
SERIAL	
JET SIZE	
FROM	
TO	
FOOTAGE	
HRS.	
COND.	

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	R. HENLEY	12
DERRICK	D ZIEMMER	12
MOTORMAN	W SIEMP	16
FLOORMAN	M WILLIAMS	12
FLOORMAN	K Mc GREGOR	12
FIREMAN		

REMARKS AND INJURIES:

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	G ALENIUS	12
DERRICK	J. SWITLYK	12
MOTORMAN	I. WILSON	16
FLOORMAN	G HIEBERT	12
FLOORMAN	F KINDAI	12
FIREMAN		

REMARKS AND INJURIES:

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE DEC 4/70 — No. 18 — DAILY TIME SHEET 3-35 (REV. 1/68)

FIELD or AREA: NORMAN WELLS — WELL NAME & No. MOBIL HUME RIVER 19 — CONTRACTOR S&T DRILLING WESTERN — RIG No. 16 — No. ___

Well MOBIL HUME R-19E — 65° 28' N & 124° - 21' W — Approved ___ Date ___

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEVIATION DEG.
2 A.M.										
4 A.M.										
6 A.M.										
8 A.M.										

LINER SIZE: ___ STROKE ___

MUD & CHEMICALS

LBS. Added	KIND

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEVIATION DEG.
10 A.M.										
NOON										
2 P.M.										
4 P.M.										

LINER SIZE: ___ STROKE ___

MUD & CHEMICALS

LBS. Added	KIND

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEVIATION DEG.
6 P.M.										
8 P.M.										
10 P.M.										
12 P.M.										

LINER SIZE: ___ STROKE ___

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

BOP Tested

START	STOP	HRS.

DRILLER: ___ CONTRACTOR'S TIME ___ CO's. TIME ___

WORK RECORD — 12 - 8 TOUR

TRUCK W/SUB ARRIVED 3 A.M.
FINISH RIGGING CAMP PUT UP
RADIO AIRAIDS RIG UP DERRICK
LAY MATTING UNDER SUB
TRUCK HAULED SECTION SUB
4 MIS LOAD PLANK OIL GAS

ALL TIME TO MOBIL OIL.

8 - 4 TOUR

BOP Tested

START	STOP	HRS.

DRILLER: ___ CONTRACTOR'S TIME ___ CO's. TIME ___

4 - 12 TOUR

BOP Tested

START	STOP	HRS.

DRILLER: ___ CONTRACTOR'S TIME ___ CO's. TIME ___

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY

No.	LENGTH
STANDS	
SINGLE	
D.C.'s	
KELLY IN	
TOTAL	
RAT HOLE TOP	

BIT RECORD

BIT No.	
SIZE	
MAKE	
TYPE	
SERIAL	
JET SIZE	
FROM	
TO	
FOOTAGE	
HRS.	
COND.	

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY

No.	LENGTH
STANDS	
SINGLE	
D.C.'s	
KELLY IN	
TOTAL	
RAT HOLE TOP	

BIT RECORD

BIT No.	
SIZE	
MAKE	
TYPE	
SERIAL	
JET SIZE	
FROM	
TO	
FOOTAGE	
HRS.	
COND.	

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY

No.	LENGTH
STANDS	
SINGLE	
D.C.'s	
KELLY IN	
TOTAL	
RAT HOLE TOP	

BIT RECORD

BIT No.	
SIZE	
MAKE	
TYPE	
SERIAL	
JET SIZE	
FROM	
TO	
FOOTAGE	
HRS.	
COND.	

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	R. HENLEY	12
DERRICK	D. ZIEMMER	16
MOTORMAN	J. WILSON	12
FLOORMAN	G. HIEBERT	12
FLOORMAN	F. KINDAI	12
FIREMAN		

REMARKS AND INJURIES:

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	G. ALENIUS	12
DERRICK	J. SWITLYK	16
MOTORMAN	W. SIEMP.	13
FLOORMAN	A. WILLIAMS	12
FLOORMAN	K. McGREGOR	12
FIREMAN		

REMARKS AND INJURIES:

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: ___ PSI. MIN. ___ FORMATION TESTED ___ PSI. MIN. ___ EQUIPMENT FAILURES ___ TIME LOST ___

RIG FUEL CONSUMPTION ___ GALS BOILER FUEL CONSUMPTION ___ GALS WIRELINE TON MILE ___ TOOL PUSHER: ___ APPROVED: ___

Mobil Oil Canada, Ltd.
DAILY DRILLING REPORT

DATE DEC 3/70 — No. 17 — DAILY TIME SHEET — 3-35 (REV. 1/68)

FIELD or AREA NORMAN WELLS — WELL NAME & No. MOBIL HUME RIVER L-9 — CONTRACTOR JYT DRILLING & WESTERN — RIG No. ____ — No. ____

Well MOBIL HUME RIVE L-9 — 60°-38' N. Y. 129°-31' W

Approved ____ Date ____

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
2 A.M.										
4 A.M.										
6 A.M.										
8 A.M.										

LINER SIZE: ____ STROKE ____

MUD & CHEMICALS

LBS. Added	KIND

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
10 A.M.										
NOON										
2 P.M.										
4 P.M.										

LINER SIZE: ____ STROKE ____

MUD & CHEMICALS

LBS. Added	KIND

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
6 P.M.										
8 P.M.										
10 P.M.										
12 P.M.										

LINER SIZE: ____ STROKE ____

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

START	STOP	HRS.	WORK RECORD 12-8 TOUR
			RIG UP CAMP. 2 SLEEPERS ARRIVED 8:00 A.M. 2. TRUCK LEFT FOR FUEL TANK & ONE SECTION SUB. ONE TRUCK BROKE DOWN- S&T SWAMPING DIG SUMP FOR CAMP.
			ALL TIME TO MOBIL O.L

BOP Tested — DRILLER: — CONTRACTOR'S TIME — CO's. TIME

START	STOP	HRS.	8-4 TOUR

BOP Tested — DRILLER: — CONTRACTOR'S TIME — CO's. TIME

START	STOP	HRS.	4-12 TOUR

BOP Tested — DRILLER: — CONTRACTOR'S TIME — CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY

No.	LENGTH
STANDS	
SINGLE	
D.C.'s	
KELLY IN	
TOTAL	
RAT HOLE TOP	

BIT RECORD

BIT No.	
SIZE	
MAKE	
TYPE	
SERIAL	
JET SIZE	
FROM	
TO	
FOOTAGE	
HRS.	
COND.	

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	R. HENLEY	14
DERRICK	D. ZIEMMER	14
MOTORMAN	W. SLEMA	12
FLOORMAN	A. WILLIAMS	14
FLOORMAN	K. McGREGOR	10
FIREMAN		

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY

No.	LENGTH
STANDS	
SINGLE	
D.C.'s	
KELLY IN	
TOTAL	
RAT HOLE TOP	

BIT RECORD

BIT No.	
SIZE	
MAKE	
TYPE	
SERIAL	
JET SIZE	
FROM	
TO	
FOOTAGE	
HRS.	
COND.	

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	G. ALENIUS	12
DERRICK	J. SWITZYK	12
MOTORMAN	I. WILSON	12
FLOORMAN	G. HIEBERT	12
FLOORMAN	F. KINDA	16
FIREMAN		

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY

No.	LENGTH
STANDS	
SINGLE	
D.C.'s	
KELLY IN	
TOTAL	
RAT HOLE TOP	

BIT RECORD

BIT No.	
SIZE	
MAKE	
TYPE	
SERIAL	
JET SIZE	
FROM	
TO	
FOOTAGE	
HRS.	
COND.	

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: ____ PSI. MIN. ____ FORMATION TESTED ____ PSI. MIN. ____ EQUIPMENT FAILURES ____ TIME LOST ____

RIG FUEL CONSUMPTION ____ GALS. BOILER FUEL CONSUMPTION ____ GALS. WIRELINE TON MILE ____ TOOL PUSHER A. B. Gillespie APPROVED: K. E. Jensen

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE DEC 2/70 — No. 6 DAILY TIME SHEET 3-35 (REV. 11/68)

FIELD or AREA: NORMAN WELLS — WELL NAME & No. MOBIL HOME RIVER — CONTRACTOR S+T DRILLING WESTERN — RIG No. 1E — No. ____

Well MOBIL HOME RIVER 65°28'N 7. 129° 31'W — Approved _____ Date _____

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
2 A.M.										
4 A.M.										
6 A.M.										
8 A.M.										

LINER SIZE: ____ STROKE ____

MUD & CHEMICALS

LBS. Added	KIND

START	STOP	HRS.

WORK RECORD — 12-8 TOUR

TEAR OUT CAMP + MOVE KITCHEN. GROUP 4 SET UP SAME @ NEW LOCATION USING 2 TRUCKS. S+T SWAMPING

ALL TIME TO Mobil Oil

DRILLER: ____ CONTRACTOR'S TIME ____ CO's. TIME ____

8-4 TOUR

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY: No. ____ STANDS ____ SINGLE ____ D.C.'s ____ LENGTH ____ KELLY IN ____ TOTAL ____ RAT HOLE TOP ____

BIT RECORD: BIT No. ____ SIZE ____ MAKE ____ TYPE ____ SERIAL ____ JET SIZE ____ FROM ____ TO ____ FOOTAGE ____ HRS. ____ COND. ____

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	R. HENLEY	16
DERRICK	D. ZIEMMER	16
MOTORMAN	W SLEMP	16
FLOORMAN	A. WILLIAMS	16
FLOORMAN	K. McGREGOR	16
FIREMAN		

REMARKS AND INJURIES:

	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
10 A.M.										
NOON										
2 P.M.										
4 P.M.										

LINER SIZE: ____ STROKE ____

MUD & CHEMICALS

LBS. Added	KIND

START	STOP	HRS.

BOP Tested

DRILLER: ____ CONTRACTOR'S TIME ____ CO's. TIME ____

8-4 TOUR

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY: No. ____ STANDS ____ SINGLE ____ D.C.'s ____ LENGTH ____ KELLY IN ____ TOTAL ____ RAT HOLE TOP ____

BIT RECORD: BIT No. ____ SIZE ____ MAKE ____ TYPE ____ SERIAL ____ JET SIZE ____ FROM ____ TO ____ FOOTAGE ____ HRS. ____ COND. ____

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	G ALENIUS	16
DERRICK	J. SWITLYK	16
MOTORMAN	I. WILSON	20
FLOORMAN	G HIEBERT	16
FLOORMAN	F KINDAI	16
FIREMAN		

REMARKS AND INJURIES:

	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
6 P.M.										
8 P.M.										
10 P.M.										
12 P.M.										

LINER SIZE: ____ STROKE ____

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

START	STOP	HRS.

BOP Tested

DRILLER: ____ CONTRACTOR'S TIME ____ CO's. TIME ____

4-12 TOUR

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY: No. ____ STANDS ____ SINGLE ____ D.C.'s ____ LENGTH ____ KELLY IN ____ TOTAL ____ RAT HOLE TOP ____

BIT RECORD: BIT No. ____ SIZE ____ MAKE ____ TYPE ____ SERIAL ____ JET SIZE ____ FROM ____ TO ____ FOOTAGE ____ HRS. ____ COND. ____

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: ____ PSI. MIN. ____ FORMATION TESTED ____ PSI. MIN. ____ EQUIPMENT FAILURES ____ TIME LOST ____

RIG FUEL CONSUMPTION ____ GALS BOILER FUEL CONSUMPTION ____ GALS WIRELINE TON MILE ____ TOOL PUSHER: A Blakeyk APPROVED: [signature]

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE DEC 1/70 — No. 15 DAILY TIME SHEET 3-35 (REV. 1/68)

FIELD or AREA: NORMAN WELLS — WELL NAME & No. MOBIL HUME RIVER L-9 — CONTRACTOR S&T DRILLING WESTERN — RIG No. 1E — No. ____

Well MOBIL HUME RIVER 65°-28' N & 127°-31' W.

Approved ____ Date ____

TIME	MUD RECORD WT.	VISC.	W.L.	F.C	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
2 A.M.										
4 A.M.										
6 A.M.										
8 A.M.										

LINER SIZE: ____ STROKE ____

MUD & CHEMICALS

LBS. Added	KIND

START	STOP	HRS.	WORK RECORD 12-8 TOUR
			LOADED 3 TRUCK CROWN SECTION
			RADIO SHACK & 1 SLEEPER.
			& 2 LOADS WATER TANK & CAMP.
			SUPPLY SHACK S&T MEN SWAMPY
			ALL TIME TO MOBIL OIL

BOP Tested — DRILLER: — CONTRACTOR'S TIME — CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY

No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
	KELLY IN	
	TOTAL	
	RAT HOLE TOP	

BIT RECORD

BIT No.			
SIZE			
MAKE			
TYPE			
SERIAL			
JET SIZE			
FROM			
TO			
FOOTAGE			
HRS.			
COND.			

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	R HENLEY	12
DERRICK	D. ZIEMMER	18
MOTORMAN	W. SIEMP	18
FLOORMAN	A WILLIAMS	12
FLOORMAN	KIN McGREGOR	12
FIREMAN		

REMARKS AND INJURIES:

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
10 A.M.										
NOON										
2 P.M.										
4 P.M.										

LINER SIZE: ____ STROKE ____

MUD & CHEMICALS

LBS. Added	KIND

START	STOP	HRS.	

BOP Tested — DRILLER: — CONTRACTOR'S TIME — CO's. TIME

8-4 TOUR

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY

No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
	KELLY IN	
	TOTAL	
	RAT HOLE TOP	

BIT RECORD

BIT No.			
SIZE			
MAKE			
TYPE			
SERIAL			
JET SIZE			
FROM			
TO			
FOOTAGE			
HRS.			
COND.			

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	G ALENIUS	16
DERRICK	J. SWITLYK	18
MOTORMAN	L. WILSON	16
FLOORMAN	G HIEBERT	16
FLOORMAN	F. KINDAI	12
FIREMAN		

REMARKS AND INJURIES:

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
6 P.M.										
8 P.M.										
10 P.M.										
12 P.M.										

LINER SIZE: ____ STROKE ____

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

START	STOP	HRS.	

BOP Tested — DRILLER: — CONTRACTOR'S TIME — CO's. TIME

4-12 TOUR

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY

No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
	KELLY IN	
	TOTAL	
	RAT HOLE TOP	

BIT RECORD

BIT No.			
SIZE			
MAKE			
TYPE			
SERIAL			
JET SIZE			
FROM			
TO			
FOOTAGE			
HRS.			
COND.			

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: ____ PSI. MIN. ____ FORMATION TESTED ____ PSI. MIN. ____ EQUIPMENT FAILURES ____ TIME LOST ____

RIG FUEL CONSUMPTION ____ GALS BOILER FUEL CONSUMPTION ____ GALS WIRELINE TON MILE ____ TOOL PUSHER: [signature] APPROVED: [signature]

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE Nov 30/70 — No. 14 — DAILY TIME SHEET (REV. 11/68) 3-35

FIELD or AREA: MOBIL NORMAN AREA — WELL NAME & No. MOBIL HUME RIVER F-9 — CONTRACTOR S&T DRILLING & WESTERN — RIG No. 15 — No. ____

Well MOBIL HUME RIVER 65° 28' N & 139° 31' W.

Approved ____ Date ____

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEVIATION DEG.
2 A.M.										
4 A.M.										
6 A.M.										
8 A.M.										

LINER SIZE: ____ STROKE ____

MUD & CHEMICALS

LBS. Added	KIND

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEVIATION DEG.
10 A.M.										
NOON										
2 P.M.										
4 P.M.										

LINER SIZE: ____ STROKE ____

MUD & CHEMICALS

LBS. Added	KIND

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEVIATION DEG.
6 P.M.										
8 P.M.										
10 P.M.										
12 P.M.										

LINER SIZE: ____ STROKE ____

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

CASING TESTED TO: ____ PSI. MIN. ____ FORMATION TESTED ____ PSI. MIN. ____

RIG FUEL CONSUMPTION ____ GALS BOILER FUEL CONSUMPTION ____ GALS WIRELINE TON MILE ____

EQUIPMENT FAILURES ____ TIME LOST ____

TOOL PUSHER: A B Galenza APPROVED: [signature]

12 - 8 TOUR

START	STOP	HRS.

BOP Tested

DRILLER: / CONTRACTOR'S TIME CO's. TIME

WORK RECORD

HAUL CAMP WATER WORK ON TRUCKS TRUCKS LEFT W/ 2 LOADS DERRICK & ONE LOAD RAMP AND SPREDERS. & PLANKS TO NEW LEASE 3 MEN OFF S&T SWAMPING D.ZIEMMER W.SIEMP J.SWITKYK

ALL TIME TO MOBIL OIL

8 - 4 TOUR

START	STOP	HRS.

BOP Tested

DRILLER: CONTRACTOR'S TIME CO's. TIME

4 - 12 TOUR

START	STOP	HRS.

BOP Tested

DRILLER: CONTRACTOR'S TIME CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY

No.	LENGTH
STANDS	
SINGLE	
D.C.'s	
KELLY IN	
TOTAL	
RAT HOLE TOP	

BIT RECORD

BIT No.				
SIZE				
MAKE				
TYPE				
SERIAL				
JET SIZE				
FROM				
TO				
FOOTAGE				
HRS.				
COND.				

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	R HENLEY	10
DERRICK	D. ZIEMMER	17
MOTORMAN	W. SIEMP	16
FLOORMAN	A WILLIAMS	10
FLOORMAN	K McGREGOR	8
FIREMAN		

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY

No.	LENGTH
STANDS	
SINGLE	
D.C.'s	
KELLY IN	
TOTAL	
RAT HOLE TOP	

BIT RECORD

BIT No.				
SIZE				
MAKE				
TYPE				
SERIAL				
JET SIZE				
FROM				
TO				
FOOTAGE				
HRS.				
COND.				

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	G ALFENIUS	8
DERRICK	J. SWITKYK	14
MOTORMAN	L. WILSON	8
FLOORMAN	G. HIEBERT	8
FLOORMAN	F. KINVAI	8
FIREMAN		

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY

No.	LENGTH
STANDS	
SINGLE	
D.C.'s	
KELLY IN	
TOTAL	
RAT HOLE TOP	

BIT RECORD

BIT No.				
SIZE				
MAKE				
TYPE				
SERIAL				
JET SIZE				
FROM				
TO				
FOOTAGE				
HRS.				
COND.				

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE NOV 29/70 — No. 13 DAILY TIME SHEET — Form 3-35 REV. 1/68

FIELD or AREA: NORMAN WELLS — WELL NAME & No. MOBIL HUME RIVER — CONTRACTOR S&T DRILLING WESTERN CO. LTD — RIG No. 1E — No. ____

Well MOBIL HUME RIVER 65°-28'N x 129°-31'W — Approved ____ Date ____

TIME	MUD REC. WT.	VISC.	W.L.	≈	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
2 A.M.										
4 A.M.										
6 A.M.										
8 A.M.										

LINER SIZE: ____ STROKE ____

MUD & CHEMICALS

LBS. Added	KIND

START	STOP	HRS.	WORK RECORD — 12-8 TOUR
			ONE LOAD LEFT W/ B.J. UNIT TO NEW LEASE & LOAD W/ MUD TANK D. ZIEMMER SWAMPING SENDMENTO FILL SOFT SPOT W/ LOGS 5 MILES FROM STOCK POINT.
			ALL TIME TO MOBIL OIL SPECIAL PROJECT #96 OR AFE 0013

BOP Tested — DRILLER: — CONTRACTOR'S TIME — CO's. TIME

START	STOP	HRS.	8-4 TOUR

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY		LENGTH
No.		
STANDS		
SINGLE		
D.C.'s		
KELLY IN		
TOTAL		
RAT HOLE TOP		

BIT RECORD			
BIT No.			
SIZE			
MAKE			
TYPE			
SERIAL			
JET SIZE			
FROM			
TO			
FOOTAGE			
HRS.			
COND.			

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	R. HENLEY	10
DERRICK	D. ZIEMMER	16
MOTORMAN	W. SIEMP	10
FLOORMAN	A. WILLIAMS	10
FLOORMAN	KEN McGREGOR	8
FIREMAN		

REMARKS AND INJURIES:

MUD RECORD	WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
10 A.M.										
NOON										
2 P.M.										
4 P.M.										

LINER SIZE: ____ STROKE ____

MUD & CHEMICALS

LBS. Added	KIND

START	STOP	HRS.	WORK RECORD

BOP Tested — DRILLER: — CONTRACTOR'S TIME — CO's. TIME

START	STOP	HRS.	4-12 TOUR

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY		LENGTH
No.		
STANDS		
SINGLE		
D.C.'s		
KELLY IN		
TOTAL		
RAT HOLE TOP		

BIT RECORD			
BIT No.			
SIZE			
MAKE			
TYPE			
SERIAL			
JET SIZE			
FROM			
TO			
FOOTAGE			
HRS.			
COND.			

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	G. ALENIUS	8
DERRICK	J. SWITLYK	8
MOTORMAN	J. WILSON	8
FLOORMAN	G. HIEBERT	8
FLOORMAN	F. KINDEE	8
FIREMAN		

REMARKS AND INJURIES:

MUD RECORD	WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
6 P.M.										
8 P.M.										
10 P.M.										
12 P.M.										

LINER SIZE: ____ STROKE ____

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

START	STOP	HRS.	WORK RECORD

BOP Tested — DRILLER: — CONTRACTOR'S TIME — CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY		LENGTH
No.		
STANDS		
SINGLE		
D.C.'s		
KELLY IN		
TOTAL		
RAT HOLE TOP		

BIT RECORD			
BIT No.			
SIZE			
MAKE			
TYPE			
SERIAL			
JET SIZE			
FROM			
TO			
FOOTAGE			
HRS.			
COND.			

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: ____ PSI. MIN. ____ FORMATION TESTED ____ PSI. MIN. ____ EQUIPMENT FAILURES ____ TIME LOST ____

RIG FUEL CONSUMPTION ____ GALS. BOILER FUEL CONSUMPTION ____ GALS. WIRELINE TON MILE ____ TOOL PUSHER A. Balanga APPROVED: ____

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE NOV 28 1970 — No. 12 — DAILY TIME SHEET 3-35 (REV. 11/68)

FIELD or AREA: NORMAN WELLS — WELL NAME & No. MOBIL HUME RIVER L-9 — CONTRACTOR S&T DRILLING WESTERN C. LTD — RIG No. 1E — No. —

Well MOBIL HUME RIVER — 65° 38' N 129° 21' W

Approved _____ Date _____

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
2 A.M.										
4 A.M.										
6 A.M.										
8 A.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
10 A.M.										
NOON										
2 P.M.										
4 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
6 P.M.										
8 P.M.										
10 P.M.										
12 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

CASING TESTED TO _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS. BOILER FUEL CONSUMPTION _____ GALS. WIRELINE TON MILE _____ TOOL PUSHER: A B Galenza APPROVED: [signature]

12 - 8 TOUR

START	STOP	HRS.	WORK RECORD
			TRUCK LOADED LOGGING UNIT TO NEW LEASE ARCHIE WILLIAMS
			SWAMPING & MUD TANK W. SIEMP
			SWAMPING HAUL CAMP WATER.
			ALL TIME TO MOBIL SPECIAL PROJECT OR AFE = 0013 ?

BOP Tested — DRILLER: — CONTRACTOR'S TIME — CO's. TIME

8 - 4 TOUR

START	STOP	HRS.	

BOP Tested — DRILLER: — CONTRACTOR'S TIME — CO's. TIME

4 - 12 TOUR

START	STOP	HRS.	

BOP Tested — DRILLER: — CONTRACTOR'S TIME — CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
KELLY IN		
TOTAL		
RAT HOLE TOP		

BIT RECORD			
BIT No.			
SIZE			
MAKE			
TYPE			
SERIAL			
JET SIZE			
FROM			
TO			
FOOTAGE			
HRS.			
COND.			

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	K. HENLEY	10
DERRICK	D ZIEMMER	16
MOTORMAN	W SIEMP	16
FLOORMAN	A WILLIAMS	12
FLOORMAN	KEN McGREGOR	8
FIREMAN		

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
KELLY IN		
TOTAL		
RAT HOLE TOP		

BIT RECORD			
BIT No.			
SIZE			
MAKE			
TYPE			
SERIAL			
JET SIZE			
FROM			
TO			
FOOTAGE			
HRS.			
COND.			

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	G ALFENIUS	8
DERRICK	J SWITLYK	8
MOTORMAN	J. WILSON	8
FLOORMAN	G HIEBERT	8
FLOORMAN	F. KINDAI	8
FIREMAN		

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
KELLY IN		
TOTAL		
RAT HOLE TOP		

BIT RECORD			
BIT No.			
SIZE			
MAKE			
TYPE			
SERIAL			
JET SIZE			
FROM			
TO			
FOOTAGE			
HRS.			
COND.			

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE Nov 26 1970

No.____ DAILY TIME SHEET (REV. 1/68)

FIELD or AREA: NORMAN AREA WELL NAME & No. MOBIL HUME RIVER CONTRACTOR S&T DRILLING WESTERN CO. LTD. RIG No. 1E No.____

Well MOBIL HUME RIVER 65°-28'N + 129°-31' W

Approved _____ Date _____

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
2 A.M.										
4 A.M.										
6 A.M.										
8 A.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
10 A.M.										
NOON										
2 P.M.										
4 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
6 P.M.										
8 P.M.										
10 P.M.										
12 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

BOP Tested

START	STOP	HRS.

WORK RECORD 12-8 TOUR

ONE TRUCK LEFT W/ #2 LIGHT PLANT R. HENLEY SWAMPING TO NEW LEASE @ 10 AM. RETURED 700 PM CLEAN OFF SNOW OF RIG.

DAY # 10

DRILLER: CONTRACTOR'S TIME CO's. TIME

NOV 27. 1970 8-4 TOUR

WORK ON TRUCK CHANGE TIRE + ARCHIE WILLIAMS SWAMPING TRUCK LOAD SUPPLY & MUD HOUSE TO NEW LEASE

DAY # 11

ALL TIME TO MOBIL SPECIAL PROJECT #96 OR AFE = 0013?

4-12 TOUR

BOP Tested

DRILLER: CONTRACTOR'S TIME CO's. TIME

BOP Tested

DRILLER: CONTRACTOR'S TIME CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY No.	LENGTH	BIT RECORD BIT No.		
STANDS		SIZE		
SINGLE		MAKE		
D.C.'s		TYPE		
		SERIAL		
		JET SIZE		
		FROM		
		TO		
KELLY IN		FOOTAGE		
TOTAL		HRS.		
RAT HOLE TOP		COND.		

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER		
DERRICK	D. ZIEMMER	10
MOTORMAN	R HENLEY	12
FLOORMAN	W. SLEMP	10
FLOORMAN	A. WILLIAMS	10
FIREMAN		

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY No.	LENGTH	BIT RECORD BIT No.		
STANDS		SIZE		
SINGLE		MAKE		
D.C.'s		TYPE		
		SERIAL		
		JET SIZE		
		FROM		
		TO		
KELLY IN		FOOTAGE		
TOTAL		HRS.		
RAT HOLE TOP		COND.		

NOV 27. 1970

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER		
DERRICK	D. ZIEMMER	10
MOTORMAN	R HENLEY	10
FLOORMAN	W. SLEMP	10
FLOORMAN	A. WILLIAMS	16
FIREMAN		

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY No.	LENGTH	BIT RECORD BIT No.		
STANDS		SIZE		
SINGLE		MAKE		
D.C.'s		TYPE		
		SERIAL		
		JET SIZE		
		FROM		
		TO		
KELLY IN		FOOTAGE		
TOTAL		HRS.		
RAT HOLE TOP		COND.		

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK		
MOTORMAN		
FLOORMAN		
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO:_____ PSI. MIN._____ FORMATION TESTED_____ PSI. MIN._____ EQUIPMENT FAILURES_____ TIME LOST_____

RIG FUEL CONSUMPTION_____ GALS BOILER FUEL CONSUMPTION_____ GALS WIRELINE TON MILE_____ TOOL PUSHER: L. Babanya APPROVED: [signature]

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE Nov 23 1970 — No.____ DAILY TIME SHEET 3-35 (REV. 1/68)

FIELD or AREA: NORMAN WELLS WELL NAME & No MOBIL HUME RIVER L9 CONTRACTOR S&T DRILLING WESTERN G.T.P. RIG No. 1E — No.____ Well MOBIL HUME RIVER 65°-38'N 4-129°-31'W

Approved _____ Date _____

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
2 A.M.										
4 A.M.										
6 A.M.										
8 A.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
10 A.M.										
NOON										
2 P.M.										
4 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
6 P.M.										
8 P.M.										
10 P.M.										
12 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____

EQUIPMENT FAILURES _____ TIME LOST _____

TOOL PUSHER A.B. Yalenza APPROVED: T.J. Lawson.

WORK RECORD — 12-8 TOUR

START	STOP	HRS.

WORK ON CAMP C.N POLE
PREPARE RIG FOR MOVE & WORK WITH KAPS

DAY # 7

BOP Tested

DRILLER: CONTRACTOR'S TIME CO's. TIME

NOV 24 1970 — 8-4 TOUR

START	STOP	HRS.

CLEAN ICE SNOW OFF DERRICK
ONE TRUCK LEFT WITH SMALL SUPPLY SHACK TO NEW WELL SITE
D. ZIEMMER SWAMPING
CATS LEFT FOR NEW LOCATION & REPAIRING ROAD ON WAY IN

DAY # 8

BOP Tested

DRILLER: CONTRACTOR'S TIME CO's. TIME

NOV 25 1970 — 4-12 TOUR

START	STOP	HRS.

FIL ALL PROPHANE BOTTLES HAUL CAMP WATER LOAD OUT K380 PUMP START OUT 2.00 Pm. TO NEW LOCATION. CLEAN OFF ICE & SNOW W. SIEMP SWAMPING ON TRUCK LOAD W/ K380 PUMP TO NEW LEASE

DAY # 9

ALL TIME TO MOBIL SPECIAL PROJECT # 96 OR AFE 0013

BOP Tested

DRILLER: CONTRACTOR'S TIME CO's. TIME

START	STOP	HRS.

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY No.	LENGTH	BIT RECORD BIT No.	
STANDS		SIZE	
SINGLE		MAKE	
D.C.'s		TYPE	
		SERIAL	
		JET SIZE	
		FROM	
		TO	
KELLY IN		FOOTAGE	
TOTAL		HRS.	
RAT HOLE TOP		COND.	

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER		
DERRICK	D. ZIEMMER	10
MOTORMAN	R. HENLEY	10
FLOORMAN	W. SLEMP	10
FLOORMAN	A. WILLIAMS	8
FIREMAN		

REMARKS AND INJURIES:

NOV 24 1970

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER		
DERRICK	D. ZIEMMER	15
MOTORMAN	R. HENLEY	10
FLOORMAN	W. SLEMP	10
FLOORMAN	A. WILLIAMS	10
FIREMAN		

REMARKS AND INJURIES:

NOV 25 1970

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
~~DERRICK~~	R. HENLEY	10
~~MOTORMAN~~	D. ZIEMMER	10
FLOORMAN	W. SIEMP	16
FLOORMAN	A. WILLIAMS	10
FIREMAN		

REMARKS AND INJURIES:

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE Nov 20/70

No.___ DAILY TIME SHEET 3-35 (REV. 1/68)

FIELD or AREA: NORMAN WELL SWELL NAME & No. MOBIL HUME R.L.7 CONTRACTOR S+T DRILLING WESTERN No.___

Well MOBIL HUME RIVER 65°-28'N & 129°-31' W.

RIG No. 1E Approved ___ Date ___

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
2 A.M.										
4 A.M.										
6 A.M.										
8 A.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
10 A.M.										
NOON										
2 P.M.										
4 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
6 P.M.										
8 P.M.										
10 P.M.										
12 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

BOP Tested

START	STOP	HRS.

WORK RECORD 12-8 TOUR

MOVE MUD CHECK & RE PILE SAME
WORK ON ICE WORK ON ICE CROWN
SECTION W/ HERMAN NELSON.

DAY # 4

DRILLER: CONTRACTOR'S TIME CO's. TIME

NOV 21 1970. 8-4 TOUR

KEEP HERMAN NELSON ON CROWN
SECTION CLEAN OUT CEMENT
BOXES.

DAY # 5

DRILLER: CONTRACTOR'S TIME CO's. TIME

NOV 22 1970 4-12 TOUR

KEPT HERMAN NELSON ALL
NIGHT ON CROWN SECTION &
GREASE CROWN. CLEAN OUT
CEMENT BOXES KEPT HERMAN
NELSON ON CEMENT BOXES FOR
36 HRS UNABLE TO REMOVE CEMENT

DAY # 6

ALL TIME TO MOBIL SPECIAL PROJECT = 96
OR AFE 0013

DRILLER: CONTRACTOR'S TIME CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY		LENGTH	BIT RECORD	
No.			BIT No.	
	STANDS		SIZE	
	SINGLE		MAKE	
	D.C.'s		TYPE	
			SERIAL	
			JET SIZE	
			FROM	
			TO	
	KELLY IN		FOOTAGE	
	TOTAL		HRS.	
	RAT HOLE TOP		COND.	

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER		
DERRICK	D ZIEMMER	12
MOTORMAN	R. HENLEY	12
FLOORMAN	W. SLEMP	12
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

NOV 21 1970

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER		
DERRICK	D ZIEMMER	12
MOTORMAN	R. HENLEY	12
FLOORMAN	W. SLEMP	12
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

NOV 22 1970

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK	D ZIEMMER	12
MOTORMAN	R. HENLEY	12
FLOORMAN	W. SLEMP	12
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO:___ PSI. MIN.___ FORMATION TESTED___ PSI. MIN.___ EQUIPMENT FAILURES___ TIME LOST___

RIG FUEL CONSUMPTION___ GALS BOILER FUEL CONSUMPTION___ GALS WIRELINE TON MILE___ TOOL PUSHER: [signature] APPROVED: [signature]

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE Nov 17/70 — No. 1 DAILY TIME SHEET 3-35 (REV. 11/68)

FIELD or AREA: Norman Wells — WELL NAME & No. Mobil Home River No. 1 — CONTRACTOR D.I.T. — RIG No. 1-E

Well Mobil Home River 65°-28'N & 129°-31'W — Approved _____ Date _____

TIME	MUD RECORD WT.	VISC.	W.L.	F.C	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
2 A.M.										
4 A.M.										
6 A.M.										
8 A.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
10 A.M.										
NOON										
2 P.M.										
4 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
6 P.M.										
8 P.M.										
10 P.M.										
12 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

BOP Tested

START	STOP	HRS.

BOP Tested

START	STOP	HRS.

BOP Tested

START	STOP	HRS.

WORK RECORD — 12-8 TOUR

TRAVEL, EDMONTON TO SAN SAULT
CLEAN UP CAMP MAKE BEDS
START STOVES

DRILLER: — CONTRACTOR'S TIME — CO's. TIME

Nov 18 1970 Day # 2 — 8-4 TOUR

MOVE & CHECK MUD, CEMENT
FROM FROZEN BOXES

DRILLER: — CONTRACTOR'S TIME — CO's. TIME

Nov 19 1970 Day # 3 — 4-12 TOUR

WORK ON FROZEN BOXES SORT
OUT MUD CHEMICALS & REPILE
SAME LOOK AFTER CAMP & STOVES

ALL TIME TO MOBIL

SPECIAL PROJECT # 96
02 AFE 0013

DRILLER: — CONTRACTOR'S TIME — CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY No.	LENGTH	BIT RECORD BIT No.
STANDS		SIZE
SINGLE		MAKE
D.C.'s		TYPE
		SERIAL
		JET SIZE
		FROM
		TO
KELLY IN		FOOTAGE
TOTAL		HRS.
RAT HOLE TOP		COND.

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY No.	LENGTH	BIT RECORD BIT No.
STANDS		SIZE
SINGLE		MAKE
D.C.'s		TYPE
		SERIAL
		JET SIZE
		FROM
		TO
KELLY IN		FOOTAGE
TOTAL		HRS.
RAT HOLE TOP		COND.

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY No.	LENGTH	BIT RECORD BIT No.
STANDS		SIZE
SINGLE		MAKE
D.C.'s		TYPE
		SERIAL
		JET SIZE
		FROM
		TO
KELLY IN		FOOTAGE
TOTAL		HRS.
RAT HOLE TOP		COND.

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER		
DERRICK	D. ZIEMMER	8
MOTORMAN	R. HENLEY	8
FLOORMAN	W. SIEMP	8
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

Nov 18 1970

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER		
DERRICK	D. ZIEMMER	10
MOTORMAN	R. HENLEY	10
FLOORMAN	W. SIEMP	10
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

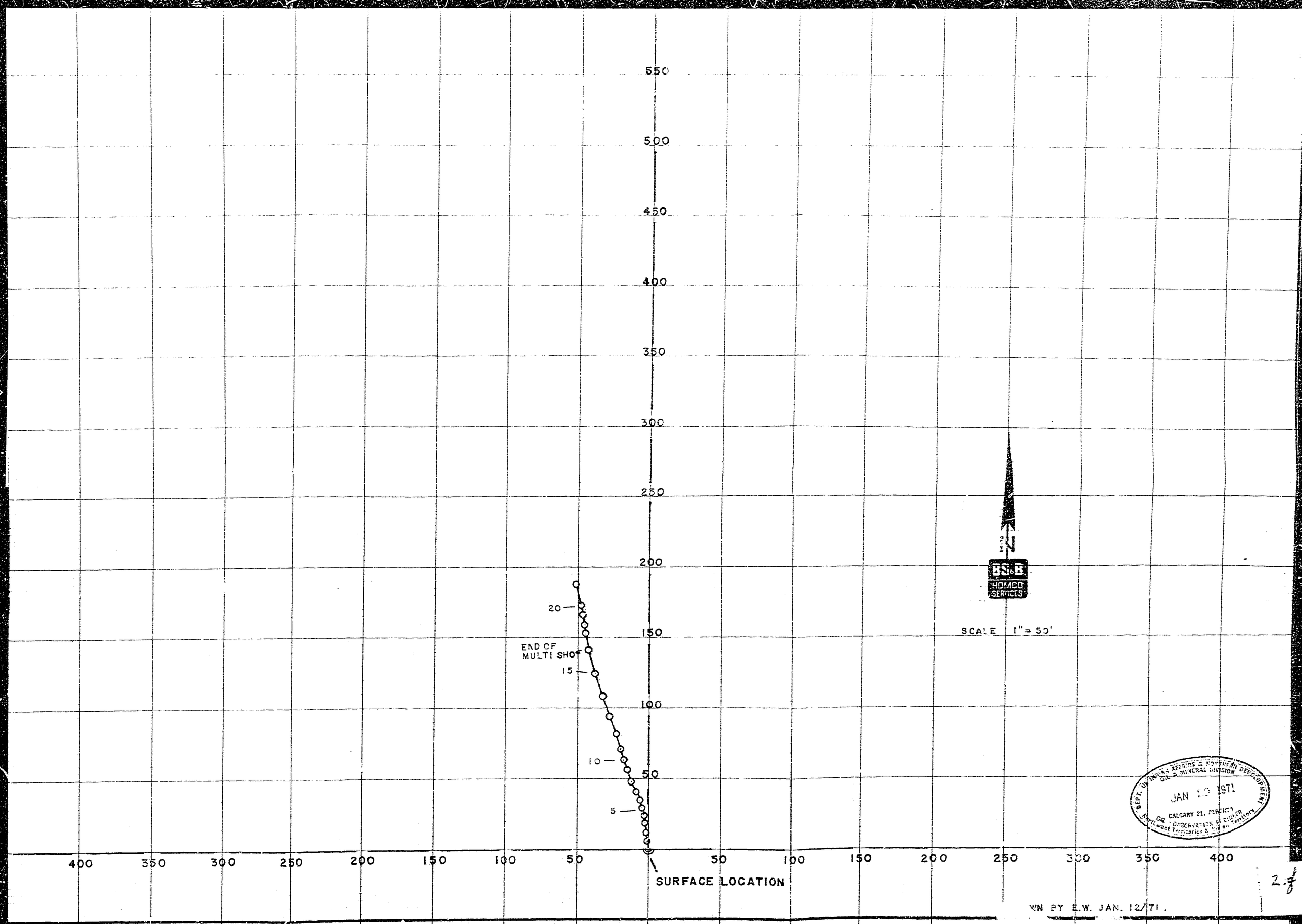
Nov 19 1970

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER		
DERRICK	D. ZIEMMER	10
MOTORMAN	R. HENLEY	10
FLOORMAN	W. SIEMP	10
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER B. Galenza APPROVED: K. G. Thomson.


550
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END OF MULTI SHOT
15
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350
400
SURFACE LOCATION
N
B.S.B
HOMCO SERVICES
SCALE 1"= 50'
DEPT. OF INDIAN AFFAIRS & NORTHERN DEVELOPMENT
OIL & MINERAL DIVISION
JAN 19 1971
CALGARY 21, ALBERTA
OIL CONSERVATION ENGINEER
Northwest Territories & Yukon Territory
WN BY E.W. JAN. 12/71.

DIRECTIONAL DRILLING

DATE JANUARY 10, 1971

COMPANY MOBIL OIL CANADA LIMITED

WELL MOBIL HUME RIVER L-09

FIELD WILDCAT

LOCATION

COUNTY NORTH WEST TERRITORIES

STATE CANADA

MAGNETIC DECLINATION 38° East

HOMCO SERVICES

FISHING TOOLS — DIRECTIONAL DRLG. — WIRELINE SERVICES

DEPT. OF INDIAN AFFAIRS & NORTHERN DEVELOPMENT
OIL & MINERAL DIVISION
JAN 20 1971
CALGARY 21, ALBERTA
OIL CONSERVATION BRANCH
Northwest Territories & Yukon Territory

BLACK, SIVALLS & BRYSON LIMITED

HOMCO SERVICES DIVISION
5720 97 STREET, EDMONTON, ALBERTA

DIRECTIONAL DRILLING

DATE: JANUARY 10, 1971

PAGE: 1 OF 1

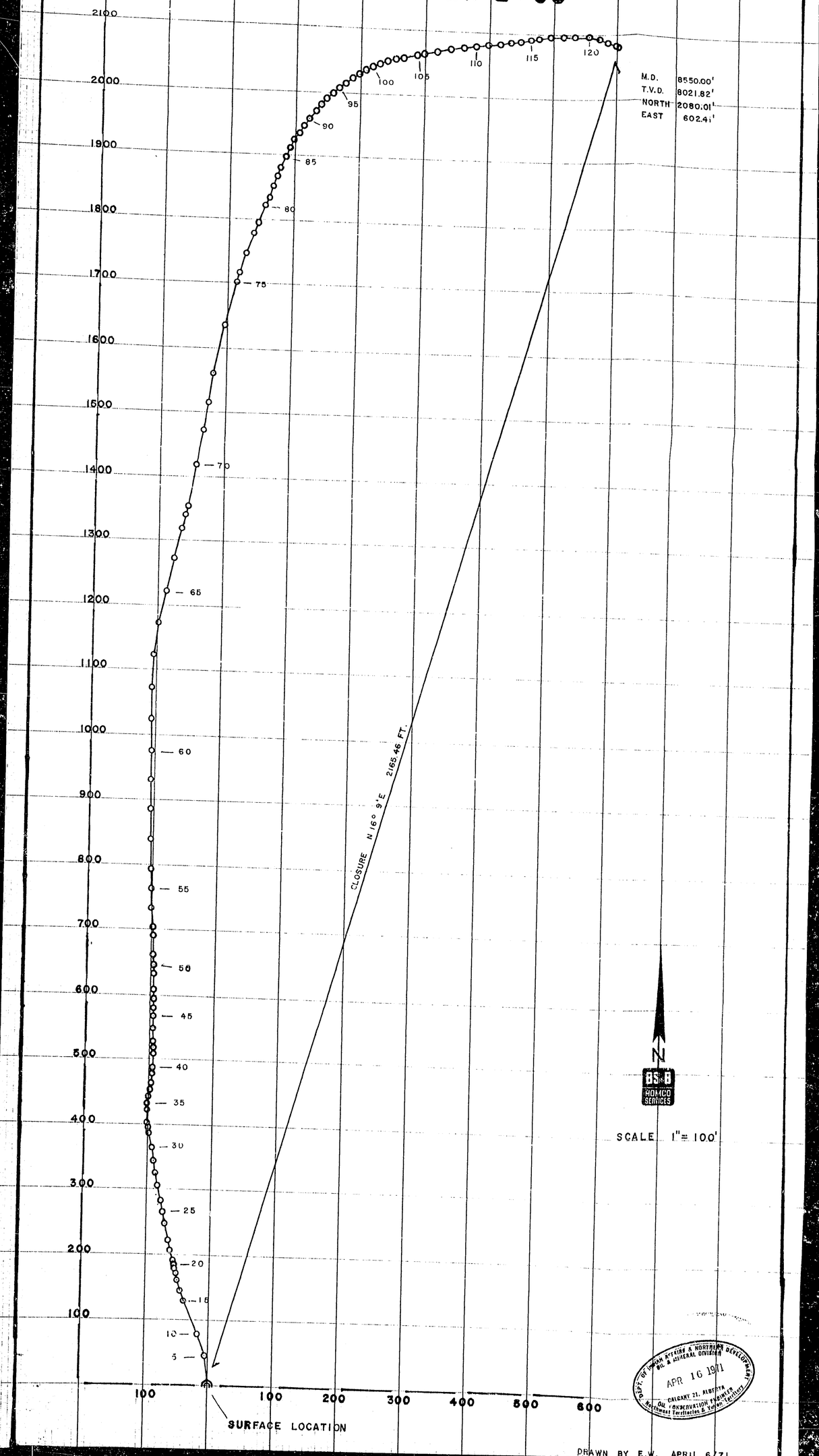
COMPANY: MOBIL OIL CANADA LIMITED

WELL NO.: MOBIL HUME RIVER L-09 LOCATION: WILDCAT - NORTHWEST TERRITORIES

	MEASURED DEPTH	COURSE LENGTH	DRIFT ANGLE	TRUE VERTICAL DEPTH	COURSE DEVIATION	DIRECTION OF DEVIATION	TOTAL COORDINATES NORTH	SOUTH	EAST	WEST
	750	SURFACE CASING		750.00	ASSUMED VERTICAL					
	850	100	3-1/2	849.81	6.10	N05W	6.08			.53
	943	93	3-3/4	942.61	6.08	N09W	12.09			1.48
	1036	93	3-3/4	1035.41	6.08	N07W	18.13			2.22
5	1129	93	3-1/2	1128.24	5.68	N10W	23.72			3.21
	1222	93	3-1/2	1221.07	5.68	N18W	29.13			4.97
	1315	93	3-3/4	1313.87	6.08	N19W	34.88			6.[illegible]
	1408	93	4-1/4	1406.61	6.89	N23W	41.22			9.64
	1501	93	4-3/4	1499.29	7.70	N22W	48.36			12.52
10	1594	93	5	1591.94	8.11	N20W	55.98			15.36
	1687	93	4-3/4	1684.62	7.70	N20W	63.22			17.93
	1780	93	5-1/4	1777.23	8.51	N17W	71.35			20.42
	1873	93	6-1/2	1869.63	10.53	N19W	81.32			23.85
	1966	93	8-1/4	1961.67	13.34	N21W	93.78			28.63
	2059	93	9-1/2	2053.39	15.35	N19W	108.29			33.62
15	2152	93	10-3/4	2144.76	17.35	N17W	124.88			38.69
	2232	80	12-1/4	2222.94	16.97	N14W	141.34			42.80
		END MULTI SHOT								
	2286	54	12-1/2	2275.66	11.69	N10W	152.85			44.83
	2315	29	12-1/2	2303.97	6.28	N09W	159.05			45.81
	2347	32	13	2335.15	7.20	N10W	166.14			47.06
20	2378	31	13	2365.36	6.97	N10W	173.00			48.27
	2440	62	13-3/4	2425.58	14.74	N13W	187.36			51.59

MOBIL OIL CANADA LIMITED

MOBIL HUME RIVER L-09



DEPT. OF INDIAN AFFAIRS & NORTHERN DEVELOPMENT
OIL & MINERAL DIVISION
APR 16 1971
CALGARY 21, ALBERTA
OIL CONSERVATION ENGINEER
Northwest Territories & Yukon Territory

DRAWN BY E.W. APRIL 6/71

DIRECTIONAL DRILLING

DATE APRIL 5, 1971

COMPANY MOBIL OIL CANADA LIMITED

WELL MOBIL HUME RIVER L 09

FIELD WILDCAT

LOCATION

COUNTY NORTH WEST TERRITORIES

STATE CANADA

MAGNETIC DECLINATION 36° East

HOMCO SERVICES DIVISION
BLACK SIVALLS & BRYSON LTD
FISHING TOOLS - DIRECTIONAL DRLG - WIRELINE SERVICES

DEPT. OF INDIAN AFFAIRS & NORTHERN DEVELOPMENT
OIL & MINERAL DIVISION
APR 16 1971
CALGARY 21, ALBERTA
OIL & EXPLORATION ENGINEER
Northern Territories & Yukon Territory

BLACK, SIVALLS & BRYSON LIMITED

HOMCO SERVICES DIVISION
5720 97 STREET, EDMONTON, ALBERTA

DIRECTIONAL DRILLING

COMPANY: MOBIL OIL CANADA LIMITED
WELL NO.: Mobil Hume River L-09 LOCATION:

DATE: April 5, 1971
PAGE: 1 OF 5

	MEASURED DEPTH	COURSE LENGTH	DRIFT ANGLE	TRUE VERTICAL DEPTH	COURSE DEVIATION	DIRECTION OF DEVIATION	TOTAL COORDINATES NORTH	SOUTH	EAST	WEST
	750-Surface Hole Drift Accumulated									
				750.00		(N4W)	22.75			1.59
	850	100	3¼	849.81	6.10	N6W	28.82			2.23
	943	93	3 3/4	942.81	6.08	N10W	34.81			3.28
5	1036	93	3 3/4	1035.41	6.08	N8W	40.83			4.13
	1129	93	3½	1128.24	5.68	N11W	46.41			5.21
	1222	93	3½	1221.07	5.68	N20W	51.75			7.15
	1315	93	3 3/4	1313.87	6.08	N21W	57.42			9.33
	1408	93	4¼	1406.61	6.89	N25W	63.67			12.25
	1501	93	4 3/4	1499.29	7.70	N24W	70.70			15.38
10	1594	93	5	1591.94	8.11	N22W	78.22			18.42
	1687	93	4 3/4	1684.62	7.70	N22W	85.36			21.30
	1780	93	5¼	1777.23	8.51	N19W	93.40			24.07
	1873	93	6¼	1869.63	10.53	N21W	103.23			27.84
	1966	93	8¼	1961.67	13.34	N24W	115.42			33.27
15	2059	93	9¼	2053.39	15.35	N22W	129.65			39.02
	2152	93	10 3/4	2144.76	17.35	N21W	145.85			45.24
	2232	80	12¼	2222.94	16.97	N18W	161.99			50.48
	2286	54	12¼	2275.66	11.69	N14W	173.33			53.31
	2315	29	12¼	2303.97	6.28	N13W	179.45			54.72
20	2347	32	13	2335.15	7.20	N14W	186.43			56.46
	2378	31	13	2365.36	6.97	N14W	193.19			58.14
	2440	62	13 3/4	2425.58	14.74	N17W	207.29			62.45
	2502	62	14¼	2485.61	15.52	N12W	222.47			65.68
	2600	98	15 3/4	2579.93	26.60	N12W	248.49			70.99
25	2663	63	16	2640.49	17.37	N13W	265.42			74.50

BLACK, SIVALLS & BRYSON LIMITED

HOMCO SERVICES DIVISION
5720 97 STREET, EDMONTON, ALBERTA

DIRECTIONAL DRILLING

COMPANY: MOBIL OIL CANADA LIMITED
WELL NO.: Mobil Hume River L-09 LOCATION:

DATE: APRIL 5,1971
PAGE: 2 OF 5

	MEASURED DEPTH	COURSE LENGTH	DRIFT ANGLE	TRUE VERTICAL DEPTH	COURSE DEVIATION	DIRECTION OF DEVIATION	TOTAL COORDINATES NORTH	SOUTH	EAST	WEST
	2725	62	16¼	2700.01	17.35	N13W	282.33			78.80
	2817	92	16¼	2788.33	25.74	N12W	307.51			84.15
	2880	63	17	2848.58	18.42	N10W	325.65			87.35
30	2943	63	18	2908.50	19.47	N8W	344.93			90.06
	3006	63	19	2968.07	20.51	N10W	365.13			93.62
	3074	68	19	3032.37	22.14	N12W	386.79			98.22
	3105	31	19	3061.68	10.09	N10W	396.73			99.97
	3126	21	19¼	3081.48	7.01	N11W	403.61			101.31
35	3181	55	19¼	3133.40	18.13	N	421.74			101.31
	3212	31	20	3162.53	10.60	N	432.34			101.31
	3242	30	20¼	3190.68	10.38	N4E	442.70			100.59
	3275	33	20	3221.69	11.29	N13E	453.70			98.05
	3305	30	18 3/4	3250.10	9.64	N12E	463.13			96.05
	3354	49	17¾	3296.90	14.53	N5E	477.60			94.78
40	3385	31	17¼	3326.51	9.19	N3E	486.78			94.30
	3458	73	18	3395.94	22.56	N	509.34			94.30
	3488	30	18¼	3424.39	9.52	N	518.86			94.30
	3515	27	18 3/4	3449.96	8.68	N3W	527.53			94.75
	3580	65	20	3511.04	22.23	N	549.76			94.75
45	3632	52	21¼	3559.50	18.85	N	568.61			94.75
	3664	32	22¼	3589.06	12.25	N	580.86			94.75
	3705	41	22 3/4	3626.37	15.86	N	596.72			94.75
	3736	31	23¼	3655.30	12.36	N1W	609.08			94.97
	3797	61	24¼	3710.92	25.05	N3W	634.09			96.28
50	3827	30	25 3/4	3737.94	13.03	N1W	647.12			96.51

BLACK, SIVALLS & BRYSON LIMITED

HOMCO SERVICES DIVISION
5720 97 STREET, EDMONTON, ALBERTA

DIRECTIONAL DRILLING

COMPANY: MOBIL OIL CANADA LIMITED
WELL NO.: Mobil Hume River L-09 LOCATION:

DATE: April 5,1971

	MEASURED DEPTH	COURSE LENGTH	DRIFT ANGLE	TRUE VERTICAL DEPTH	COURSE DEVIATION	DIRECTION OF DEVIATION	TOTAL COORDINATES NORTH	SOUTH	EAST	WEST
	2725	33	26	3767.60	14.47	N3W	661.57			97.27
	3923	63	26 3/4	3823.86	28.36	N1W	689.92			97.77
	3955	32	27 3/4	3852.18	14.90	N4W	704.78			98.81
	4017	62	28¼	3906.80	29.35	N3W	734.09			100.35
55	4080	63	28½	3962.17	30.06	N1W	764.14			100.88
	4142	62	28 3/4	4016.53	29.82	N3W	793.93			102.44
	4237	95	29	4099.62	46.06	N2W	839.96			104.05
	4330	93	28 3/4	4181.16	44.73	N2W	884.66			105.61
	4425	95	29¼	4264.05	46.42	N1W	931.07			106.42
60	4520	95	29½	4346.73	46.78	N	977.85			106.42
	4614	94	30	4428.14	47.00	N1W	1024.84			107.24
	4709	95	30¼	4510.20	47.86	N	107270			107.24
	4806	97	31 3/4	4592.68	51.04	N2E	1123.71			105.46
	4901	95	32	4673.24	50.34	N7E	1173.67			99.32
65	4995	94	32¼	4752.74	50.16	N13E	1222.55			88.03
	5089	94	32 3/4	4831.80	50.85	N13E	1272.10			76.59
	5183	94	31½	4911.95	49.11	N14E	1319.75			64.71
	5228	45	30	4950.92	22.50	N13E	1341.67			59.65
	5260	32	29	4978.91	15.51	N14E	1356.72			55.90
70	5403	143	26	5107.44	62.69	N11E	1418.26			43.94
	5528	125	26	5219.79	54.86	N11E	1472.11			33.47
	5624	*96*	*28*	*5304.55*	*45.07*	*N7E*	*1516.84*			*27.98*
	5718	94	28¼	5387.16	44.86	N10E	1561.02			20.19
	5875	157	29½	5523.81	77.31	N12E	1636.64			4.12
75	6002	127	31½	5632.09	66.36	N15E	1700.74		13.05	

BLACK, SIVALLS & BRYSON LIMITED

HOMCO SERVICES DIVISION
5720 97 STREET, EDMONTON, ALBERTA

DIRECTIONAL DRILLING

COMPANY: MOBIL OIL CANADA LIMITED
WELL NO.: Mobil Hume River L-09 LOCATION:

DATE: April 5, 1971

	MEASURED DEPTH	COURSE LENGTH	DRIFT ANGLE	TRUE VERTICAL DEPTH	COURSE DEVIATION	DIRECTION OF DEVIATION	TOTAL COORDINATES NORTH	SOUTH	EAST	WEST
	6034	32	32	5659.23	16.96	N17E	1716.96		18.01	
	6096	62	32	5711.81	32.85	N17E	1748.37		27.62	
	6159	*63*	*32*	5765.23	33.38	N19E	1779.93		38.49	
	6190	31	32	5791.52	16.43	N21E	1795.27		44.38	
80	6246	56	31½	5839.27	29.26	N22E	1822.40		54.97	
	6277	31	31	5865.84	15.97	N24E	1836.99		61.47	
	6309	32	31	5893.27	16.48	N22E	1852.27		67.64	
	6340	31	32½	5919.42	16.66	N20E	1867.93		73.34	
	6365	25	32	5940.62	13.75	N21E	1880.30		78.09	
85	6403	38	30½	5973.53	19.00	N23E	1897.79		85.51	
	6434	31	29½	6000.51	15.26	N26E	1911.51		92.20	
	6465	31	27 3/4	6027.95	14.43	N28E	1924.25		98.97	
	6496	31	26 3/4	6055.63	13.95	N31E	1936.21		106.15	
	6526	30	27	6082.36	13.62	N33E	1947.63		113.57	
90	6558	32	27¼	6110.81	14.65	N35E	1959.64		121.97	
	6590	32	26¼	6139.51	14.15	N37E	1970.94		130.49	
	6622	32	25 3/4	6168.33	13.90	N41E	1981.43		139.61	
	6654	32	24	6197.56	13.01	N43E	1990.95		148.48	
	6685	31	24 3/4	6225.71	12.98	N46E	1999.97		157.82	
95	6717	32	24	6254.94	13.01	N48E	2008.68		167.49	
	6749	32	23½	6284.29	12.76	N51E	2016.71		177.41	
	6781	32	23½	6313.64	12.76	N54E	2024.21		187.73	
	6812	31	23¼	6342.12	12.24	N56E	2030.70		198.11	
	6844	32	23	6371.58	12.50	N60E	2036.95		208.94	
100	6875	31	23	6400.12	12.11	N63E	2042.45		219.73	

BLACK, SIVALLS & BRYSON LIMITED

HOMCO SERVICES DIVISION
5720 97 STREET, EDMONTON, ALBERTA

DIRECTIONAL DRILLING

COMPANY: MOBIL OIL CANADA LIMITED
WELL NO.: Mobil Hume River L-09 LOCATION:

DATE: April 5, 1971

	MEASURED DEPTH	COURSE LENGTH	DRIFT ANGLE	TRUE VERTICAL DEPTH	COURSE DEVIATION	DIRECTION OF DEVIATION	TOTAL COORDINATES NORTH	SOUTH	EAST	WEST
	6905	30	22	6427.94	11.24	N66E	2047.02		230.00	
	6936	31	22¼	6456.63	11.74	N69E	2051.23		240.96	
	6975	39	21½	6492.92	14.29	N75E	2054.93		254.76	
	7008	33	21½	6523.62	12.09	N78E	2057.44		266.59	
105	7071	63	20½	6582.63	22.06	N79E	2061.65		288.24	
	7103	32	20	6612.70	10.94	N77E	2064.11		298.90	
	7167	64	19¼	6673.12	21.10	N79E	2068.14		319.61	
	7229	62	19 3/4	6731.47	20.95	N79E	2072.14		340.17	
	7292	63	19	6791.04	20.51	N81E	2075.35		360.43	
110	7355	63	18	6850.96	19.47	N81E	2078.40		379.66	
	7418	63	17½	6911.04	18.94	N83E	2080.71		398.46	
	7482	64	16 3/4	6972.32	18.44	N84E	2082.64		416.80	
	7545	63	15¾	7033.03	16.84	N80E	2085.56		433.38	
	7608	63	14 3/4	7093.95	16.04	N81E	2088.07		449.22	
115	7672	64	14	7156.05	15.48	N81E	2090.49		464.51	
	7730	58	14	7212.33	14.03	N81E	2092.68		478.37	
	7810	80	13	7290.28	18.00	N83E	2094.87		496.24	
	7904	94	12	7382.23	19.54	N86E	2096.23		515.73	
	7998	94	10½	7474.73	16.73	N88E	2096.81		532.45	
120	8155	157	8 3/4	7629.91	23.88	E	2096.81		556.33	
	8280	125	7 3/4	7753.77	16.86	S77E	2093.02		572.76	
	8400	120	6 3/4	7872.94	14.10	S68E	2087.74		585.83	
	8520	120	7	7992.04	14.63	S65E	2081.56		599.09	
*124	8550	30	7	8021.82	3.66	S65E	2080.01		602.41	

* Interpolated

Closure: N 16° 9 E 2165.46 Ft.