MOBIL ET AL
SLATER RIVER
A-37

Drilling Authority No. 444

Date Issued 24 July 1970

WELL NAME Mobil [redacted] et al Slater River A-37

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

LOCATION: Unit A Section 37 Grid 65-00-126-00

Latitude 64-56-05 Longitude 126-05-42

U.W.L.R. 64.93472 — 126.09500

U.W.I. 300A376500126000

Rig Release Date: .....

Status .....

Information Release Date ....

CHANGE OF NAME:

DATE RECEIVED		INDEX
24 July '70		Application for a Drilling Authority.
		Well Completion Data.
		Well History Report.
31-8-70		Application to Amend a Drilling Authority.
		Application to change a Well Name.
10-9-70		Application to Abandon a Well or Suspend Drilling.
		Application to Alter Condition of a Well.
		Well History Supplement.
9/9/70		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.
26/5/71		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. ...181.....

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT

OIL AND MINERAL DIVISION

WELL-SITE INSPECTION REPORT

FROM: Field Office or Area: Calgary Date: May 26, 1971

TO: The Oil Conservation Engineer:

RE: Mobil et al Slater River A-37

Location: 64°56'05" N., 126°05'42" W. Status: Abandoned

This location was inspected by the undersigned May 19, 1971

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

The following items require attention:

1. Lease requires further levelling.
2. Access road also requires levelling.
3.
4.
5.
6.

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

Wet location may be due to spring run off.

Lease requires levelling.

SPUDDED: August 9, 1970

ABANDONED: August 20, 1970

Inspected by .....

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

IAND 52-00-14 (9-69).

Drilling Authority No. 444

Date Issued 24th July 1970

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
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.

Well name and number Mobil et al Slater River A-37

Permit No. 3720 Lease No.

Amerada Hess Corporation
Mobil Oil Canada, Ltd. (Permittee, Licensee, Lessee) Exploratory Licence No. 1403 & 1391

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

Location: Unit A Section 37 Grid 65°00'N - 126° 00'W

Latitude 64° 56' 05" Longitude 126° 05' 42"

Unique well identifier 300A 376500126000

Reference Marker ~~Universal Well Location Reference~~ Central Meridian Zone 9-UTM GRID

	DATE	DEPTH
Spudded	Aug. 9/70	
Suspended		
Resumed Operations		
Finished Drilling	Aug 20/70	3500'
Deepened		
Complete (gas/oil)		
Abandoned	Aug 23/70	3500'
Rig released	Aug 23/70	

Pool(s)

Interval(s) open to production Nil

Elevation: Gr. 420 K.B. 435'

Rig No. 9

Drilling Contractor Jennings Drilling Ltd.

Contractor's Business Licence No. 770

CASING RECORD

	Casing Size (inches)	Grade	Weight	Amount	Set at -	Sacks of Cement and Additives
1.	8 5/8	J.S.	24#/ft.	425.41	425	300 sacs Const. + 2.5% $CaCl_2$
2.						Recemented with 65 sacks outside
3.						and again with 20 sacks cement.
4.						
5.						
6.						

GEOLOGICAL TOPS	ELEVATION	
	Depths	Sub-Sea
Imperial	1020	-585
Canol	2150	-1967
Hume	2830	-2395
Bear Rock	3770	-2835
TD	3500	-3065

CORE RECORD

From	To	Rec.	From	To	Rec.
Nil					

LOG RECORD

Run No.	Type of Log	From	To
#1	SNP	2100	3306
#1	Compensated Formation Density	70	3305
#1	IES	422	3496
#1	CSGRC	422	3494
#1	Velocity Survey	425	3498

* Universal Well Location Reference: Lat. 64.93472° N.
Long. 126.09500° W.

CEMENTING RECORD (Plug, Squeeze, etc.)

Date	From	To	Remarks
Aug. 23/70	3350	TD	70 Saxs cement
Aug. 23/70	375	475	Plug Felt After 8 hrs @ 354' 70 saxs cement
Aug. 23/70	Cement	Surface	With 5 saxs, weld on plate & put on sign.

PERFORATING RECORD (Bullet, Jet)

Date	From	To	Remarks
	Nil		

SERVICING RECORD (Acidizing, Fracing, etc.)

Date	From	To	Remarks
Nil			

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	Aug. 21/70	Bear Rock	3395	3500	05	55	115	1573 1584	1452 1459	213 240	357 402	1677 1686	1675 1681	Inside Recorder Outside Recorder Strong blow during initial flow, decreasing slightly to weak on final flow. Recovered 615' drilling mud and 60' sulphur water mixture.

ANALYSIS

Lab. No.	Sample	From	To	Source	Remarks
C70-2241-3	Water	3395	3500	DST #1	

PRESENT STATUS OF WELL

Oil		(Interval.)
Gas		(Interval.)
Dry ...X		
Susp.		

Company Mobil Oil Canada Ltd.

Signed by L.W. Shankland

Title for Production Superintendent

Date September 9 1970

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

File No.
Drilling Authority No. 444

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
RESOURCE MANAGEMENT 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 et al Slater River A-37
Location: Unit A Section 37 Grid 65°00'N - 126° 00'W
Latitude 64° 56' 05" Longitude 126° 05' 42"
From Established Reference Marker Central Meridian Zone 9-UTM Grid
~~Petroleum Information~~ Unique Well Identifier 300A376500126000
Permit No. 3720 Lease No.
Universal Well Location Reference - Lat. 64.93472°N., Long. 126.09500°W.
Mobil Oil Canada Ltd. & Amerada HESS Corp.
(Permittee, Licensee, Lessee)

Date of commencement of proposed program Aug. 23/70

OIL, GAS, AND WATER ENCOUNTERED
(Depths)

Oil at Nil
Gas at Nil
Water at 3395' - 3500' (DST) Sulphurous Water
Total Depth 3500 Date of last operations Aug 23/70
Present condition of well Plugged and abandoned.
Name Plate Welded on & sign put up

CASING RECORD

Casing Size O.D. Inches	Weight	Amount	Set At--	Sacks of Cement and Additives	Amount Pulled
1. 8 5/8	24#/ft.	425.41'	425'	300 saxs of Const. +	
2.				2.5% Ca Cl_2	
3.				Recemented w/65 saxs.	
4.				on outside and addi-	
5.				tional 20 saxs.	

PROPOSED ABANDONMENT PROGRAM

Plug No.	Plug Position	Geological Formation	Number of Sacks of Cement	Remarks
1	3350-3500	Bear Rock	70 saxs	
2	375-475	Above & below surface csg.	70 saxs	Felt @ 354'
3	Surface		5 saxs	
		Erect riser and install		
		name plate		

The following logs have been run SNP, CFD, IES, CSGRC, Velocity Survey
Other operations proposed Nil

Operations to be carried out by Jennings Drilling Contractor Licence No. 770
Address 5815-75 St. Edmonton, Alta. Address
Responsible Agent in field L. Leismeister
Dated at Edmonton, this Day of August 1970
Signed by Company Mobil Oil Canada
Title Operator's Exploratory Licence No. 1403

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

(For RESOURCE MANAGEMENT DIVISION use only)

APPROVAL

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

Confirming oral approval given by Mr. B.H.J. Thoms on 21st August 1970.

Dated September 10, 1970

B. H. J. Thoms
Oil Conservation Engineer

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

(5) (3-67)

File No. .....

Drilling Authority No. 444

Canada

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
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. 444, concerning Mobil et al Slater River A-37 (300A37650012600)

(Name and Number of Well)

The following amendments are required:

Change total final depth from 3,295 feet to 3,500 feet

Reasons for the amendments:

Additional drilling was required to evaluate the Bear Rock formation.

Dated at Calgary, this 28th day of August, 1970.

Signed by [signature]

Title Landman

Company Mobil Oil Canada, Ltd.

(For Oil and Mineral Division use only)

APPROVED

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

Date 31st August, 1970

[signature]
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 (9-69)

Drilling Authority No. 444

Project No.

File No.

CANADA

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 of 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 et al Slater River A-37

Location: Unit A Section 37 Grid 65°00'N - 126°00'W

Latitude 64°56'05" Longitude 126°05'42"

Unique Well Identifier: 300A376500126000

Reference Marker: Central Meridian Zone 9 - UTM Grid

Elevation: Ground 420' (est) K.B. feet above sea-level.

Well is expected to produce from Kee Scarp formation at a depth of about 2285 feet. Expected total final depth 3295'

Area assigned to well

(for Oil Conservation Engineer's use only)

Permit No. 3720 Lease No. Acreage 54 328 acres

Permittee, licensee, or lessee Mobil Oil Canada, Ltd. and Amerada Hess Corporation

Exploratory Licence No. 1403 1391

Surface owned by Crown or Crown

(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. 9 5/8"	32.3#	H-40 ST&C	New	350'	200
2.					
3.					
4.					
5.					

Expected water, gas, and oil horizons and type of control equipment

Hydrostatic head of mud, double gate rams and hydril BOP's.
10-Inch Series 900 B.O.P.s

Well will be drilled with Rotary Rig No. 9 by Jennings Drilling Ltd.

(Drilling Contractor or company)

Western Electronics & Engineering Ltd.
5815 - 75 Street, Edmonton, Alberta
NWT Business Licence
Contractor's business Licence No. 770

Responsible agent of applicant:—

At well L. Leismeister At registered office J. E. Routledge-Mobil Oil Canada, Ltd.

Address Financial Bldg., Edmonton Address Financial Building, Edmonton 14, Alberta

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

Dated at Edmonton, this 17th day of July 19 70

Signed by Company Mobil Oil Canada, Ltd.

Title Production Superintendent Operator's Licence No. 1403

(For Oil and Mineral Division use only)

APPROVED

1. This application is approved subject to the following conditions: The company will submit to this office, on Tuesday of each week, the latest reports received by radio on the progress of the well.
2. During well drilling and testing operations, every effort shall be made to ensure

Dated 24th July 70 Please see reverse side

19

Oil Conservation Engineer

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

IAND 52-90-1 (3-69)

UNIVERSAL WELL LOCATION REFERENCE: Lat. 64.95472° N., Long. 126.09500

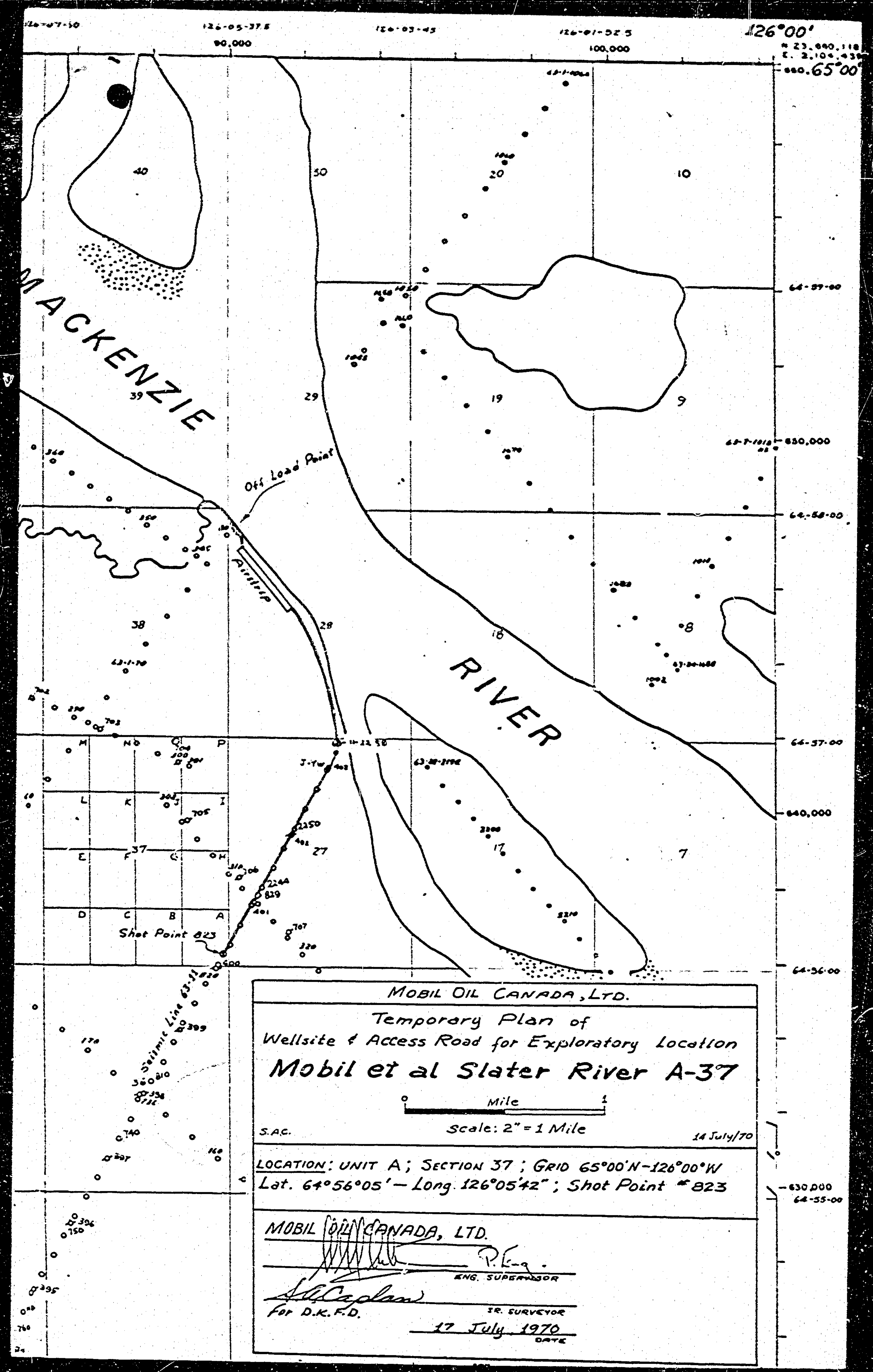
that drilling fluids, chemicals and wastes shall be disposed of or contained in a manner that will prevent the contamination of adjacent vegetation and surface or sub-surface waters.

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

4. Surface casing must be set at least 50 feet into a consolidated formation.

5. Intermediate and Production strings of casing are to be approved by the Oil Conservation Engineer prior to running.

(for) B.H.J. Thoms, Oil Conservation Engineer



MOBIL OIL CANADA, LTD.

Temporary Plan of
Wellsite & Access Road for Exploratory Location

Mobil et al Slater River A-37

0 Mile 1

Scale: 2" = 1 Mile

S.A.C. 14 July/70

LOCATION: UNIT A; SECTION 37; GRID 65°00'N–126°00'W
Lat. 64°56'05' – Long. 126°05'42"; Shot Point # 823

MOBIL OIL CANADA, LTD.

ENG. SUPERVISOR

For D.K.F.D. SR. SURVEYOR

17 July 1970
DATE

WELL HISTORY REPORT

ON

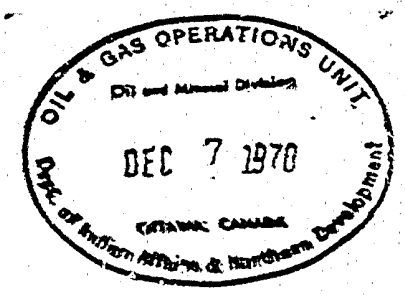
MOBIL ET AL SLATEK RIVER A-37

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

WELL HISTORY REPORT

ON

MOBIL ET AL SLATER RIVER A-37



Copy (Original Signed) J. M. Stanford

Approved By: Drilling Production Engineering Supervisor

Date: October 15, 1970

Edmonton, Alberta

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

By: T. R. Brand
T. Slot

I N D E X

WELL HISTORY REPORT

MOBIL ET AL SLATER RIVER A-37

SECTION I. - Summary of Well Data.

(a) Well name: Mobil Et Al Slater River A-37

(b) Permittee: Mobil Oil Canada Ltd. and Amerada Hess Corporation

(c) Name of Operator: Mobil Oil Canada Ltd.
P. O. Box 800
Calgary, Alberta

(d) Location: Unit A, Section 37, Grid 65° 00'N. 126° 00'W.
Latitude 64° 56' 05" N. Longitude 126° 05' 42"W.
Universal Well Location Reference: Lat.
64.93472° N. Long 126.09500°W.
Unique Well Identifier: 300A 376500126000

(e) Co-ordinates: Not a development well.

(f) Permit or Lease Number: 3720

(g) Drilling contractor: Jennings; Rotary Rig #9.

(h) Drilling authority: #444, issuded on July 24, 1970.

(i) Classification: New Field Wildcat.

(j) Elevations: Ground 420?
KB 435?

(k) Spud date: August 9, 1970 (12:15 a.m.)

(l) Completed Drilling: August 20, 1970.

(m) Final Total Depth: 3500

(n) Well Status: Drilled and abandoned.

(o) Rig Release Date: August 23, 1970 (6:00 p.m.)

(p) Hole sizes to total depth: 12 1/4" hole to 425' KB
7 7/8" hole to 3500' KB

(q) Casing: 8 5/8 JS 24# ST + C landed at 425' KB

SECTION II. - Geological Summary

(a) Formation Tops:

	E-log tops	Sample tops
Imperial	1070 (- 585)	1085
Canol	2150 (-1715)	2175
Hare Indian	2650 (-2215)	2650
Hume	2830 (-2395)	2836
Bear Rock	3770 (-2835)	3300

(b) Cored Intervals: None

(c) Core Descriptions: None

(d) Sample Descriptions: To follow

(e) Paleontological Determinations: None

SECTION III. - Engnieering Summary

(a) Drill Stem Tests:

Interval 3500-3395' - Dual Bottom Hole Test
Preflow 5 min. ISI 55 flow period 65 min.
FSI 115 min.

Pressures - ISI 1573 Temp. - 120°F
IF 213
FF 357
FSI 1452
IH 1677 FH 1675

Recovery - 675' Total 615' Drilling mud 60' sulphorous water mixture.

Good flow during preflow. Strong blow decreasing to weak blow during flow period.

(b) Casing Record:

1. Ran 425.41' of 8 5/8" 24# JS ST + C and landed at 425' KB. Cemented with 300 sacks of construction cement + 2.5% $CaCl_2$. Initial returns to surface recemented with 65 sacks of construction cement. Waited 3 hrs. and recemented again with 20 sacks of const. cement.

(c) Bit Record:

No	Make	Type	Size	Hours	DEPTH IN	DEPTH OUT	Footage	Cond. TBG
IA	Smith	DSJ	12 1/4	18 1/2	0	425	425	541
1	HW	X16	7 7/8	61 1/2	425	2480	2055	741

(c) Bit Record (Cont'd.)

No	Make	Type	Size	Hours	DEPTH IN	DEPTH OUT	Footage	Cond. TBG
2	HW	X16	7 7/8	26 1/2	2480	2879	399	741
3	HW	XV	7 7/8	25 1/4	2879	3154	275	421
4	HW	XV	7 7/8	14	3154	3310	156	111
RR4	HW	XV	7 7/8	27 1/4	3310	3500	190	421

(d) Mud Report:

Day	Weight	Viscosity	
August 9/70	8.9	41	Gel Water
August 10/70	9.0	45	Gel Water
August 11/70	Cementing		
August 12/70	WOC		
August 13/70	8.9	31	Gel Water
August 14/70	8.9	28	Gel Water
August 15/70	8.9	38	Gel Water
August 16/70	9	40	Gel Water
August 17/70	9.2	40	Gel Water
August 18/70	9.3	44	Gel Water
August 19/70	9.6	65	Gel Water
August 20/70	9.5	41	Gel Water
August 21/70	9.5	59	Gel Water

(e) Deviation Report:

Depth	Deviation
644	¼
865	¼
1074	3/4
1170	3/4
1399	3/4
1620	1
1714	1
1830	1
1946	7/8
2120	7/8
2342	7/8
2440	1
2659	1 3/4
2690	2 1/4
2742	2
2848	2
2908	1 7/8
2930	1 7/8
3033	1 1/2
3128	2
3180	1 7/8
3310	1 1/2
3500	1

(f) Abandonment Plugs:

Plug #1 3350 - 3500 - Cemented with 70 sacks construction cement. (no feel required)

Plug #2 375 - 475 - Cemented with 70 sacks construction cement. Felt after 8 hrs. at 354'.

Cut off casing bowl and cement with 5 sacks of cement at surface. Welded on plate and put on sign.

(g) Lost Circulation Zones:

None

(h) Report of Blowouts:

None

SECTION IV - Logs

August 20, 1970
Induction Electrical Log (3496 - 422)
Borehole Compensated Sonic - Gamma Ray Caliper Log (422-3494)

August 19, 1970
Formation Density Log (3305 - 70)
Sidewall Neutron Porosity Log (3306 - 2100)

SECTION V - Analysis

(a) Core Analysis:

None

(b) Water Analysis:

See enclosed in appendix. Lab. Report No. C7C-2241-3

(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 3350 - 3500 - 70 sacks construction cement.
No feel.

Plug #2 375 - 475 - 70 sacks construction cement. Felt at 354' after 8 hrs.

(d) Acidization and Fracturing Record:

None

(e) Back Pressure and Production Tests:

None

SECTION VII - Appendix

CHEMICAL & GEOLOGICAL LABORATORIES LTD.

WATER ANALYSIS Lab No. C70-2241-3

Received: Aug. 25,1970 Reported: Aug. 28,1970 Well: Location: Mobil et al Slater River A-37, 64° 56' 05"; 126° 05' 42"

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

Elev.: K.B. Grd. Zone/Formation: Bear Rock Sample Interval: 3395' - 3500'

Method of Production: Sampled from: Bottom Sampled by: Date: Aug. 22,1970

OTHER PERTINENT DATA Recovery: 640' Drilling Mud, 35' Sulfur water cut mud.

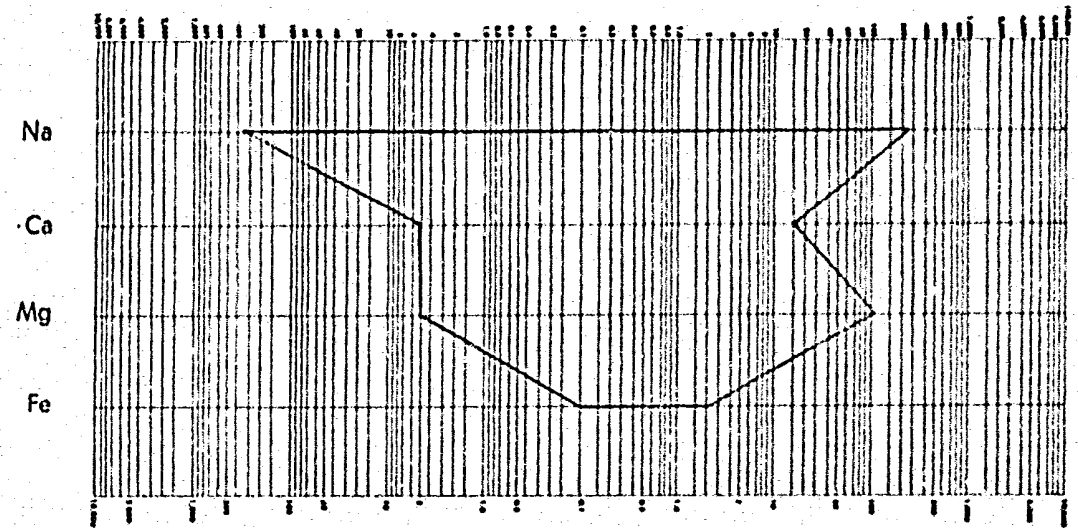
(Signed)

	Na	K	Ca	Mg					SO_4	Cl			CO_3	HCO_3		
Mg./L	8620		104	63					5740	8850			59	890		
Meq./L	375.15		5.19	5.18					119.39	249.57			1.96	14.60		
Meq. %	48.66		0.67	0.67					15.48	32.38			0.25	1.89		

Total Solids Mg/L: By Evaporation 24,680 Fe Trace Specific Gravity 1.028 @60°F Observed pH 8.7 @ 79 °F

Calculated 24,326 After Ignition 23,390 H_2S Nil Refractive Index 1.3370 @25°C Resistivity 0.338 ohm meters @ 68 °F

Pattern Unit Meq./L



Remarks and Conclusions

The sample as received was a muddy water. The filtrate was reddish-brown in color. Much organic matter was present in the evaporated solids.

LABORATORY NUMBER	SAMPLED FROM	RESISTIVITY (Ohm-meters at 68°F.)
C70-2241-1	Top 675'	0.668
C70-2241-2	Middle 180'	0.664

TESTING REPORT

DRILL-STEM TEST DATA

[illegible] Mobil Slater A-37	Test No. One
[illegible] 64-56 05 & 126-05-52 a	Zone Tested Bear Rock
[illegible] Jennings Int. Drilling	[illegible] 3395 - 3500
[illegible] J. Tukasiewich — [illegible] H. Halvarson	[illegible] August 31, 1970

Type of Test Dual Bottom Hole — [illegible] Tool No. 51 & 100

[illegible] 5 mins [illegible] 55 mins [illegible] 65 mins FSI 115 mins

Specify Inside or Outside	IN — REC No. 5040	OUT — REC No. 5061	REC No.
	3600 RANGE 12 HR CLOCK	3600 RANGE 12 HR CLOCK	RANGE HR CLOCK
DEPTH	3372	3396	
Initial Hydro Mud Press	1677	1696	
Initial Shut-in Press	1573	1594	
Initial Flow Press	213	240	
Final Flow Press	357	402	
Final Shut-in Press	1452	1459	
Final Hydro Mud Press	1672	1691	

Mud Drop 30' Fluid Loss 10 Mud Weight 9.5

Viscosity 59 Temperature °F 120 Net Pay Tested

Top Packer Depth 3390 Bottom Packer Depth 3395 Total Depth 3500

Drill Pipe Size 4½ X.H. Wt. 16 Drill Collar I.D. 2 7/8 Ft. Run 538

Surface Choke Size Closed Bottom Choke Size 1 Main Hole Size 7 7/8

Anchor Size 4½" O.D. Rat Hole Size Feet of Rat Hole

Cushion Amount Type Rubber Size 6½

Fluid Recovery Total Feet 675'

Recovered 615 Feet of Drilling Mud

Recovered 60 Feet of Sulphur H_2O mixture

Recovered Feet of

Recovered Feet of

Recovered Feet of

Gas Recovery Flow 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 blow during preflow. Reset packers & tool on initial flow due to mud dropping in annulus. Strong blow during initial flow decreasing slowly to weak blow on final flow.

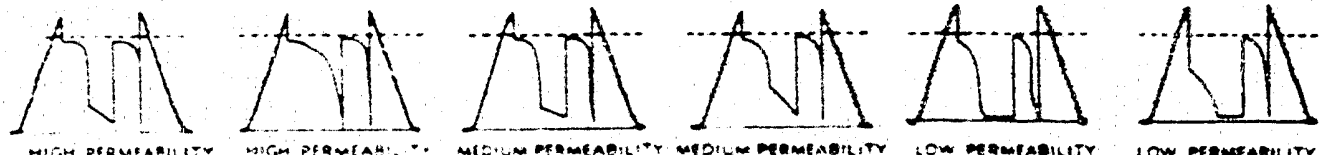
A Core Lab Gas Cont. No Chem - Geo. Lab Gas Cont. No

BJ
BORG-WARNER

Name Jalco #2-17

TESTING REPORT

	4½ LANDING SUB	
	4½ HANGER	
	[redacted] OR P.O. SUB	1.00
	C.O. SUB	1.00
	SHUT IN TOOL	5.00
	R.F.D. No 51	3.50
	R.F.D. No 100	3.50
	HYDRAULIC TOOL	7.25
	JARS Dailey	5.50
	RECORDER No 5040	5.00 DEPTH 3377
	RECORDER No	DEPTH
	SAFETY JOINT	2.75
	BY PASS SUB	
1 PACKER DEPTH 3390	PACKER	6.00
2 PACKER DEPTH 3396	PACKER	5.00 TOTAL TOOL ABOVE INTERVAL 44.50
	ANCHOR—SPECIFY	1.00
	BLANK OFF OR BY PASS SUB	
	RECORDER No 5041	1.00 DEPTH 3396
3 PACKER DEPTH	PACKER	TOTAL INTERVAL 105.00
4 PACKER DEPTH	PACKER	
	ANCHOR—SPECIFY perfs	9.00
	RECORDER No	DEPTH
	Drill Collars	90.00
	C.O. Sub	1.00
		3.00
TOTAL DEPTH 3500	BULLNOSE	TOTAL TAIL PIPE
	DST CHARTS FOR COMPARATIVE VISUAL ANALYSIS	TOTAL TEST TOOL 60.00



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 BORG WARNER

TESTING REPORT

DST PRESSURE INCREMENTS

Recorder No 4440 Depth 3377

Point	INITIAL CIP				FINAL CIP			
	Time Delt	T + θ	$\frac{T+\theta}{\theta}$	PSIG	Time Delt	T + θ	$\frac{T+\theta}{\theta}$	PSIG
1	0			24	0			357
2	5			1342	5			562
3	10			1407	10			629
4	15			1469	15			750
5	20			1515	20			907
6	25			1523	25			993
7	30			1543	30			1062
8	35			1550	35			1132
9	40			1558	40			1191
10	45			1565	45			1223
11	50			1570	50			1263
12	55			1573	55			1284
13					60			1319
14					65			1342
15					70			1360
16					75			1376
17					80			1390
18					85			1402
19					90			1413
20					95			1422
21					100			1431
22					105			1438
23					110			1447
24					115			1452

C

DST PRESSURE INCREMENTS

Recorder No 5063 Depth 3396

Point	INITIAL CIP				FINAL CIP			
	Time Delt.	T + Θ	$\frac{T+\Theta}{\Theta}$	PSIG	Time Delt.	T + Θ	$\frac{T+\Theta}{\Theta}$	PSIG
1	0	5	0	383	0	70	0	402
2	5	20	2.00	1336	5	75	15.0	517
3	10	15	1.50	1460*	10	80	8.00	632*
4	15	20	1.33	1498	15	85	5.65	749
5	20	25	1.25	1522	20	90	4.50	859*
6	25	30	1.20	1540*	25	95	3.80	961*
7	30	35	1.17	1552	30	100	3.34	1054
8	35	40	1.14	1563	35	105	3.00	1126*
9	40	45	1.13	1571	40	110	2.75	1182
10	45	50	1.11	1576*	45	115	2.56	1229
11	50	55	1.10	1581	50	120	2.40	1266*
12	55	60	1.09	1584*	55	125	2.28	1310
13					60	130	2.16	1332
14					65	135	2.07	1357
15					70	140	2.00	1372*
16					75	145	1.93	1386
17					80	150	1.88	1398
18					85	155	1.82	1414
19					90	160	1.78	1421
20					95	165	1.74	1434*
21					100	170	1.70	1441
22					105	175	1.66	1448*
23					110	180	1.64	1455
24					115	185	1.61	1459*

CALCULATIONS FOR LIQUID RECOVERY

DATA

Recovery	(4.30 BBL.)	628 DC ft	Estimated viscosity (μ)	1	cp
	(2.95 BBL.)	137 DP ft	Total flowing time (t)	70	min
Interval (h)	(E.T.)	50 ft	Reservoir press (P_o)	1700	psig
Wellbore radius (r_w)	.334	ft	Final SIP (P_{ws})	1455	psig
Cushion volume		bbl	Final FP (P_f)	402	psig
Annular mud vol		bbl	Slope (ΔP)	1150	psig/cycle

AVERAGE DST PRODUCTION RATE

$$Q = \frac{1440 \text{ (Recovery in bbls)}}{\text{Total flowing time (min)}}$$

$$= \frac{1440 \quad (6.25)}{70} = 131.3 \text{ bbl/day}$$

IN SITU CAPACITY

$$Kh = \frac{162.6\, Q \mu}{\Delta P} = \frac{162.6 \quad (131.3)\,(1)}{1150}$$

$$= 18.5 \text{ md-ft}$$

EFFECTIVE PERMEABILITY

$$K = \frac{\text{In situ Capacity}}{h} = \frac{18.5}{50}$$

$$= .37 \text{ md.}$$

PRODUCTIVITY INDEX

$$P.I. = \frac{Q}{P_o - P_f} = \frac{131.3}{1298} = .106 \text{ bbl/day/psi}$$

APPROXIMATE DRAINAGE RADIUS:

$$b = \sqrt{K t} = \sqrt{(.37)\,(70)} = 5.1 \text{ ft.}$$

CALCULATIONS FOR LIQUID RECOVERY (PAGE 2)

ESTIMATED DAMAGE RATIO

$$DR = \frac{P_e - P_f}{2\,(\Delta P)\log b/r_w} = \frac{\quad}{2\,(\quad)\log\left(\frac{\quad}{(.334)}\right)}$$

$$=$$

PRODUCTION WITH DAMAGE REMOVED

$$Q_{\text{No Damage}} = Q\,(DR) = \quad = \quad \text{bbl/day}$$

NO DAMAGE INDICATED

NOMENCLATURE

Q	=	Average DST Production (oil and or water)—bbl/day
Q_g	=	Gas production rate during test corrected to 14.4 psia and 60° F —MCF D
K	=	Permeability—md
h	=	Thickness of zone or interval tested—ft
μ	=	Viscosity—cp
Z	=	Deviation factor for gas—dimensionless
T	=	Reservoir temperature—°R
t	=	Total flowing time—min
θ	=	Shut in time—min
r_w	=	Radius of wellbore—ft
b	=	Radius of drainage or investigation (i.e. r_e)—ft
P	=	Original Reservoir pressure (extrapolated)—psig
P_w	=	Final shut-in pressure—psig
P_f	=	Final flowing pressure—psig
Ps	=	Extrapolated pressure when $\frac{t+\theta}{\theta}$ is very small—psig (i.e., effect of damage is shown in build up curve when shut-in time (θ) is very small in comparison to flowing time (t))
ΔP	=	Slope of straight line portion of pressure build up plot—psig/cycle or psig²/cycle (gas)
$\Delta P_{\text{Damaged Zone}}$	=	Pressure drop caused by damaged zone
A O F	=	Absolute open flow (estimated from DST data and using an assumed slope of 45°)

SUMMARY

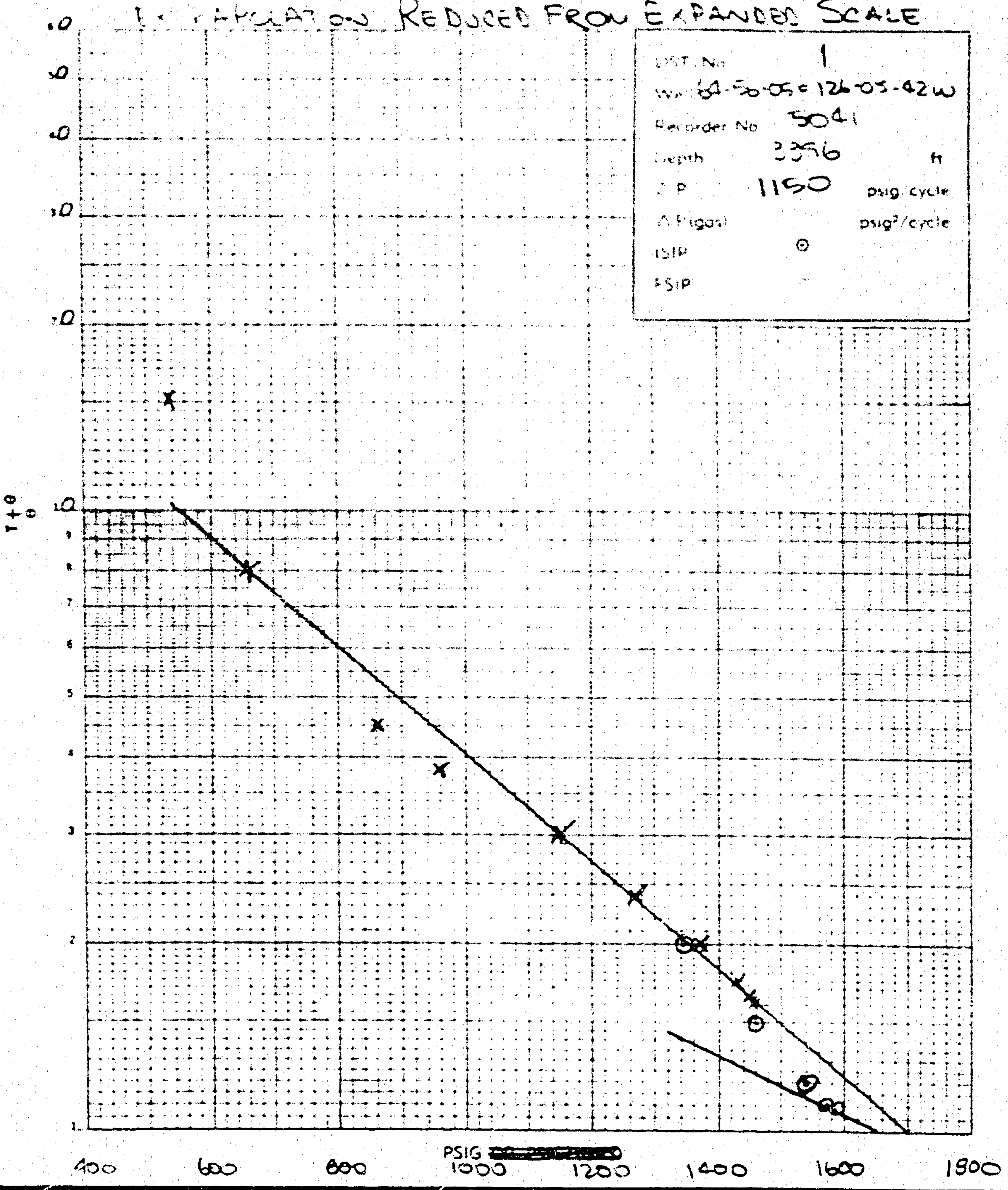
Initial shut-in pressure (ISIP)	1584	psi
Formation pressure (extrapolated)	1700	psi
Final flowing pressure (FFP)	402	psi
Final shut-in pressure (FSIP)	1459	psi
Effective permeability (K)	.37	md
DST production rate	131.3	BBL/D MCF/D
DST production without damage NO DAMAGE INDICATED		BBL/D MCF/D
Estimated A O F with no damage		MCF/D

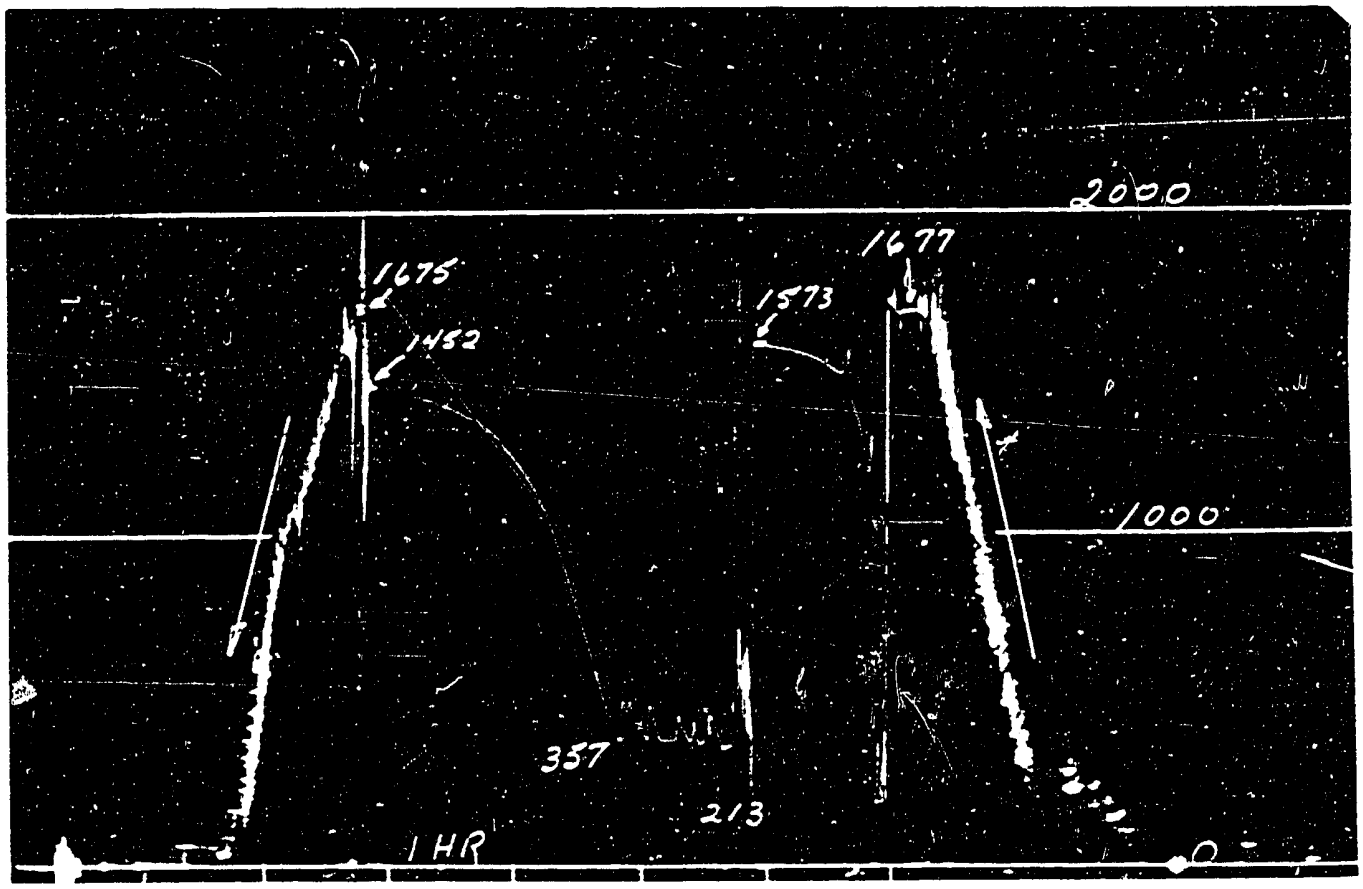
ASSUMPTIONS AND LIMITATIONS

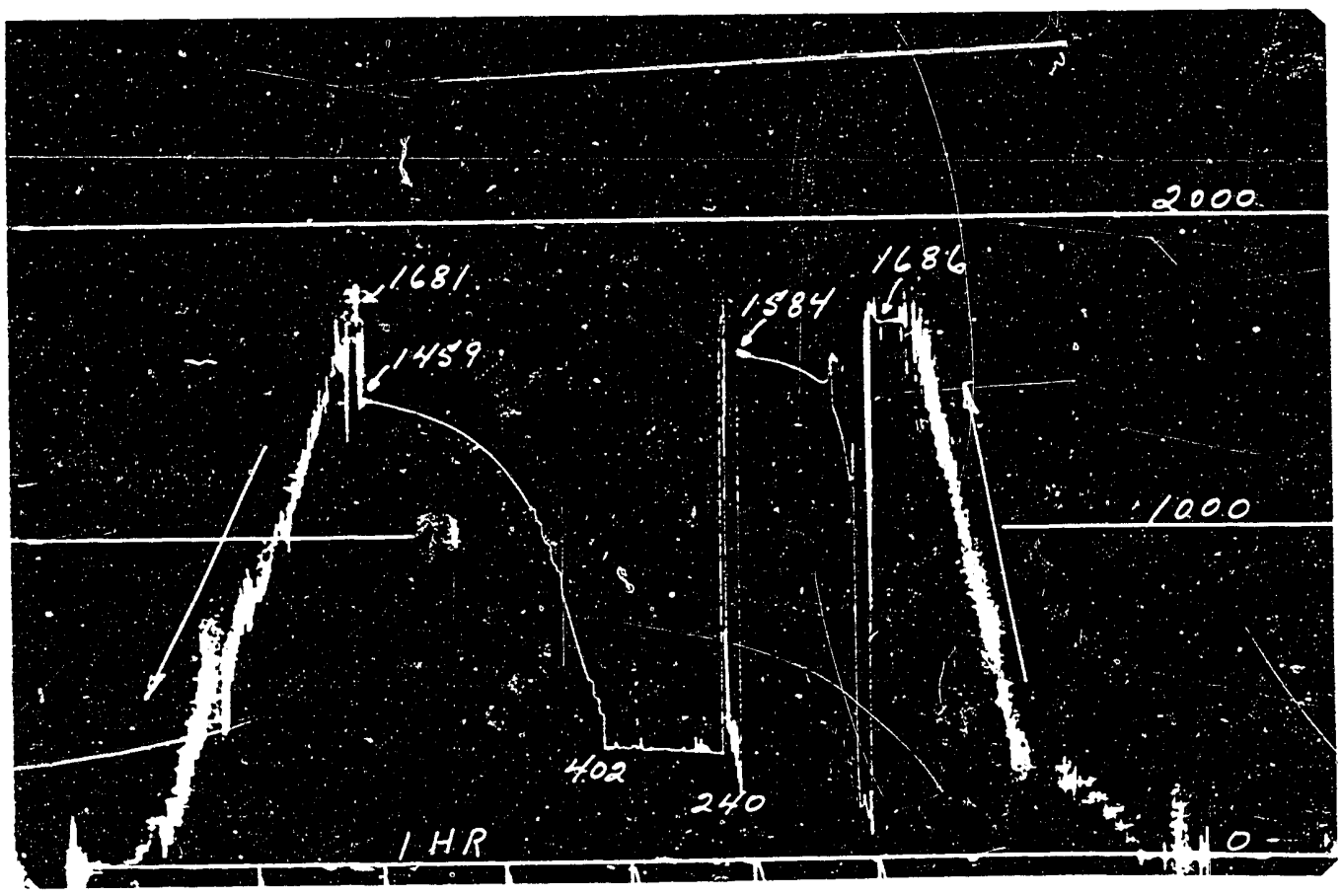
The above DST interpretation calculations require several necessary assumptions to provide a quick estimate of many of the factors involved. As a result the information gained should be used to form an opinion or estimate only, until the assumptions of reservoir and fluid properties can be wholly or partially clarified by more complete analysis and testing.

BORG WARNER

TESTING REPORT




2000
1677
1675
1573
1452
1000
357
213
1 HR
0


2000
1681
1686
1584
1459
1000
402
240
1 HR
0

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE AUG 23/70 — No. 15 — DAILY TIME SHEET 3-35 (REV. 11/68)

We MOBIL OIL ET AL SLATER

FIELD or AREA SLATER R.N.W.T. — WELL NAME & No. A-37 — CONTRACTOR JENNINGS INTL DRLG. — RIG No. 9 — Approved _____ Date AUG 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.										
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. Added	KIND	LBS.	ON HAND

WORK RECORD — 12 - 8 TOUR

START	STOP	HRS.	
8:00	10:00	1/4	R.C.S.L.R.
10:00	12:00	1/4	RUN PLUG #1 3350-3500 150 INTERVAL B.J. CEMENTED W/ 70 SKS CONST CEMENT
12:00	4:00	1/4	DISPLACED W/ 47.5 BBLS MUD PLUG DOWN 12:30 AM
4:00	7:00	3/4	HOIST 10 STDS + LAY DOWN REMAINDER RUN PLUG #2 375-475 - 4 PIPES
			INTERVAL 100' B.J. CEMENTED W/ 70 SKS CONST CEMENT DISPLACED W/ 49 BBLS
7:00	8:00	1/4	WATER PLUG IN PLACE @ 4 AM AUG 23/70
8:00	8:15	3/4	LAY DOWN D.P. + D.C's.

BOP Tested — DRILLER: S. Bryan — CONTRACTOR'S TIME — CO's. TIME

8 - 4 TOUR

START	STOP	HRS.	
8:00	8:15	1/4	R.G. SERVICE
8:15	11:00	2 3/4	W.O.C.
11:00	12:15	1 1/4	RUN IN FELT PACKER @ 354
12:15	2:45	2 1/2	LAY DOWN D.P.
2:45	3:00	1/4	TEAR OUT + LAY DOWN B.O.P.'s.
3:00	4:00	1	LAY DOWN KELLY SWIVEL, RAT HOLE + CEMENT RATHOLE

BOP Tested — DRILLER: B. Jadoway — CONTRACTOR'S TIME — CO's. TIME

4 - 12 TOUR

START	STOP	HRS.	
9:00	6:00	2	CUT OFF CASING BOWL CEMENT W/ 5 SACKS CONST CEMENT TO SURFACE WELD ON PLATE + SIGN
			RIG RELEASED @ 6:00 pm AUG 23/70
6:00	12:00	6	TEARING OUT

RR 6:00 PM AUG 23/70

BOP Tested — DRILLER: Fry Kos — CONTRACTOR'S TIME — CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY — BIT RECORD

No.	LENGTH		
STANDS		BIT No.	
SINGLE		SIZE	
D.C.'s		MAKE	
		TYPE	
		SERIAL	
		JET SIZE	
		FROM	
		TO	
KELLY IN		FOOTAGE	
TOTAL		HRS.	
RAT HOLE TOP		COND.	

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	E. BLANCHARD	
DERRICK	R. LESTUS	
MOTORMAN	C. WIGINBOTTOM	
FLOORMAN	J. McGOON	
FLOORMAN	W. KELSON	
FIREMAN		

REMARKS AND INJURIES:

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	B. SADOWAY	8
DERRICK	R. MILLER	8
MOTORMAN	D. OLSON	8
FLOORMAN	K. LEGA	8
FLOORMAN		
FIREMAN		

REMARKS AND INJURIES:

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER	D. FRY KOS	8
DERRICK	L. REYNOLDS	8
MOTORMAN	ED ZANDER	8
FLOORMAN	C. GRUFF	8
FLOORMAN	S. BOUCHARD	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 _____ APPROVED: _____

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE DEC 22/70 — No. 14 DAILY TIME SHEET 3-35 (REV. 1/66)

FIELD or AREA SLATER R. N.W.T. WELL NAME & No. MOBIL OIL ETAL SLATER A37 CONTRACTOR JENNINGS INTL. DRLG. RIG No. 9 — Well MOBIL OIL ETAL SLATER A37 — No. 14 — Approved _____ Date DEC 22/70

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.	9.5	55	10.4	9.2						
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	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.	
2:00	10:30	1/4	RIG SER.
10:30	10:45	1/4	FINISH OUT W/ TEST PACKER
10:45	3:30	2 1/4	BREAK DOWN W/ PACKER
3:30	5:00	1 1/2	RUN IN
5:00	8:00	3	CIRC. W/O ORDERS

DST #1 3395 - 3500 - 105' IF 5 MINS
ISI 60 MINS VO. 60 MINS FSI 120 MINS
REC. 35' SULFUROUS WATER CUT MUD.
640' DRLG MUD.
IHP 1700 FSIP 1450
ISIP 1690 FHP 1710
IFP 380
FFP 370

BOP Tested — DRILLER: B. Bergum — CONTRACTOR'S TIME — CO's. TIME

8 - 4 TOUR

START	STOP	HRS.	
8:00	8:15	1/4	R.G. SERVICE + CHECK B.O.P.s
8:15	4:00	7 3/4	CIRC. W/O ORDERS.

BOP Tested — DRILLER: B. Bergum — CONTRACTOR'S TIME — CO's. TIME

4 - 12 TOUR

START	STOP	HRS.	
4:00	4:15	1/4	R.G. SERVICE
4:15	12:00	7 3/4	CIR. W/O ORDERS

BOP Tested — DRILLER: D. Frykas — 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	3500				
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	T. BERGUM	8
DERRICK	T. LESTUS	8
MOTORMAN	S. WEINBERGER	8
FLOORMAN	F. JACKSON	8
FLOORMAN	P. MIKLESON	8
FIREMAN		

REMARKS AND INJURIES:

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	B. STOLOWAY	8
DERRICK	K. REYNOLDS	8
MOTORMAN	D. OLSON	8
FLOORMAN	K. MILLER	8
FLOORMAN	R. LEGA	8
FIREMAN		

REMARKS AND INJURIES:

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER	D. FRYKAS	
DERRICK	K. REYNOLDS	
MOTORMAN	E. LANGE	
FLOORMAN	C. GREFF	
FLOORMAN	S. BEUFLINK	
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 George Lindsay APPROVED: _____

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE AC 22/70 — No. 14 DAILY TIME SHEET 3-35 (REV. 11/68)

Well MOBIL OIL ETAL SLATER A37

FIELD or AREA SLATER R. N.W.T. WELL NAME & No. MOBIL OIL ETAL SLATER A37 CONTRACTOR JENNINGS INTL. DRLG. RIG No. 9 No. 14 Approved ____ Date AC 22/70

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.	9.5	58	10.2	3/32						
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	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 AM	12 1/2	1/4	RIG SER.
12 1/2	1 1/2	3/4	FINISH OUT W/ TEST PACKER
1 1/2	3 1/2	2 1/2	BREAK DOWN
3 1/2	5 1/2	1 1/2	RUN IN
5 1/2	8 1/2	3	CIRC. W/O ORDERS

DST #1 3395 - 3500 - 105' IF 5 MINS
ISI 60 MINS WO. 60 MINS FSI. 120 MINS
REC. 35' SULFUROUS WATER CUT MUD.
640' DRLG MUD.
IHP 1700 FSIP 1450
ISIP 1390 FFP 1710
IFP 380
FFP 370

BOP Tested — DRILLER: B. Lajoie — CONTRACTOR'S TIME — CO's. TIME

8 - 4 TOUR

START	STOP	HRS.	
8:00	8:15	1/4	RIG SERVICE + CHECK B.O.P.s
8:15	4:00	7 3/4	CIRC W/O ORDERS.

BOP Tested — DRILLER: B. Lajoie — CONTRACTOR'S TIME — CO's. TIME

4 - 12 TOUR

START	STOP	HRS.	
4:00	4:15	1/4	R.G SERVICE
4:15	12:00	7 3/4	CIR. W/O ORDERS

BOP Tested — DRILLER: D. Frykas — 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	T. BERGUM	8
DERRICK	R. LESTUS	8
MOTORMAN	WEINBERGER	8
FLOORMAN	E. JACKSON	8
FLOORMAN	M. KLEGA	8
FIREMAN		

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	3500				
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	B. SADOWAY	8
DERRICK	K. REYNOLDS	8
MOTORMAN	D. OLSON	8
FLOORMAN	K. MILLER	8
FLOORMAN	K. LEGA	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	D. FRYKAS	
DERRICK	R. REYNOLDS	
MOTORMAN	E. LANNCE	
FLOORMAN	C. GREFF	
FLOORMAN	S. BEUEFLINK	
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 George Lewis APPROVED: ____

MOBIL OIL CANADA, LTD.
DRILL STEM TEST REPORT

3-37 (REV. 4/67)

64° 56' 05" - 126° 05' 42"

WELL NAME MOBIL ET AL SLATER A-37 LOCATION LS ___, SEC ___, TWP ___, RGE ___, W ___ M
DATE AUG 21/70 TEST NO. 1 INTERVAL FROM 3395 TO 3500 KB

TESTING COMPANY B.J. SERVICES OPERATOR BUD BUDVARSON
TYPE OF TOOL DUAL BTM HOLE CHOKE SIZE 1/2
JARS SAT. LIFT

STRING DATA
DRILLING STRING TOTAL 3505.47 FT.

LAY DOWN		PICK UP			
DOWN ON KELLY	3600	TAIL PIPE	15.00		
DRILL COLLARS		INTERVAL		PICKUP	59.60
SUBS		SUBS		LESS LAY DOWN	36.70
STANDS		TEST TOOL	44.60	STICK UP	22.90
SINGLES		SINGLES		MEASURED	
OTHERS B.T	70	OTHERS		STICK UP	
TOTAL	3670	TOTAL	59.60		

TOP PACKER TYPE AND SIZE BOB TAIL 6 3/4" OD
BOTTOM PACKER TYPE AND SIZE SAME AS ABOVE.

HOLE DATA
___" CASING TO 425
___" CASING TO ___
___" CASING TO ___
___" HOLE TO ___
___" HOLE TO ___

MUD
WT 9.5 /GAL
VISC 59 SEC/QT
WL 10 CC/30 MIN
GEL ___ INITIAL
LOST CIRC MATERIAL ~~YES~~ NO
TYPE ___

CUSHION
TYPE ___
VOLUME ___
PRESSURE ___

DRILL PIPE
4 1/2 "O.D. 16.6 LBS/FT 2943.33
DRILL COLLARS
___ FT 2 1/4 "BORE 449.96
TEST TOOL 44.60
BOTTOM OF RUBBER
AT 3395 KB

INTERVAL TESTED
105 FEET

PERFORATIONS
RECORDER DEPTH
15.00 FEET 3377 KB

TOP OF RUBBER
AT ___ KB
RECORDER DEPTH
3396 KB
90.00 FEET

TOTAL DEPTH 3500. KB
FORMATION TESTED BEAR ROCK
STRADDLE BY PASS USED ~~YES~~ NO
ANCHOR WEIGHT ___
STRING WEIGHT 80M
PACKER SET WITH 30M LBS.

	TIME				PRESSURE 1	PRESSURE 2	
START IN	5.15 PM	INITIAL OPEN	6.58 PM	5 MIN	370	380	PSIG
ON BOTTOM	6.42 PM	INITIAL SHUT IN	7.03 PM	60 MIN	1590	1570	PSIG
PULLED LOOSE	11.15 PM	TOOL OPEN	8.03 8.09 AM	60 MIN	380	370	PSIG
OUT OF HOLE	1.45 AM	TOOL CLOSED	9.08 AM PM	120 MIN	___	___	PSIG
		FINAL SHUT IN			1450	1470	PSIG
		HYDROSTATIC HEAD	1700	1700	___	___	PSIG

RECOVERY TOTAL 675 FT CUSHION ___ FT NET ___ FT OIL ___ FT WATER ___ FT
DRLG. MUD 640 FT FLOWING RATE ___ BBLS/HR
35' SULFUR WATER CUT MUD

GAS RATES

	TIME	RISER OD	PITOT	SIDE STATIC	MCF/DAY
1					
2					
3					
4					

REMARKS DESCRIBE RECOVERY FULLY AND NOTE AT WHAT POINT THE SAMPLES WERE TAKEN
Good Blow During Pre-Flow, Strong Blow During Initial Flow & Slowly Decreasing To Weak Blow (Seat Leaking Reset Packer After 5 min. Samples 1 qt. Tops of Fluid 1 @ 185 Off Tool & 2 Bottom of Test.

SIGNATURE Joe Budvarson
DATE Aug 21-70

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 AUG 21/70 — No. 15 — DAILY TIME SHEET 3-35 (REV. 1/68)

FIELD or AREA: SLATER R. N.W.T. — WELL NAME & No. MOBIL OIL ETAL SLATER A-37 — No. 13 — Well MOBIL OIL ETAL SLATER A-37

CONTRACTOR JENNINGS INTL. DRLG. — RIG No. 9 — Approved — Date AUG 21/70

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. Added	KIND	LBS.	ON HAND

WORK RECORD — 12-8 TOUR

START	STOP	HRS.	
12:00	1:15	1/4	FINISH OUT TO LOC. STRAP
1:15 PM	1:30	1/4	RIG UP SCHLUMBERGER.
			LOGGING.

STRAP 3499.86
BOARD TALLY 3500.00
DIFF. .14 NO CORR.

INDUCTION ELECTRICAL LOG.
INTERVAL 422 — 3498
BORE HOLE COMPENSATED SONIC
GAMMA RAY CALIPER LOG.
INTERVAL 422 — 3498

BOP Tested — DRILLER A. Bergum — CONTRACTOR'S TIME — CO's. TIME

8-4 TOUR

START	STOP	HRS.	
7:00	10:30	3½	VELOCITY SURVEY
10:30	10:45	¼	TEAR OUT SCHLUMBERGER.
10:45	1:00	2¼	WAIT ON ORDERS
1:00	4:00	3	PICK UP TESTING TOOL

NOTE - VELOCITY SURVEY
START 6:30 AM FINISH 10:30 AM

BOP Tested — DRILLER D. Hoax — CONTRACTOR'S TIME 0 — CO's. TIME

4-12 TOUR

START	STOP	HRS.	
4:00	4:15	¼	RIG SER.
4:15	5:15	1	MAKE UP TEST TOOL = 1
5:15	6:45	1½	RAN IN W/ TEST = 1
6:45	7:00	¼	RIG UP TO TEST
7:00	11:00	F	TESTING
11:00	11:30	½	BREAK OFF TESTING HEAD
11:30	2:00	2½	TRIP OUT W/ TEST

BOP Tested — DRILLER D. Fryzos — CONTRACTOR'S TIME — CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	3500	TD			
REAMED					
CORED					

TALLY

No.		LENGTH
81	STANDS	3493.33
	SINGLE	
18	D.C.'s	538.00
1	C.O.	1.96
1	B.S.	.70
	KELLY IN	35
	TOTAL	3500
	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
81	STANDS	3493.33
	SINGLE	
18	D.C.'s	538.00
1	C.O.	1.96
1	B.S.	.70
	KELLY IN	35
	TOTAL	3500
	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
1	STANDS	993.33
	SINGLE	
4	D.C.'s	358.08
1 C/SUB		1.56
B.S.		.70
	KELLY IN	35
	TOTAL	3500
	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	T. BERGUM	8
DERRICK	A. LESTUS	8
MOTORMAN	G. KLEIN BEAG	8
FLOORMAN	E. JACKSON	8
FLOORMAN	A. MILLER	8
FIREMAN		

REMARKS AND INJURIES:

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	B. SADOWAY	8
DERRICK	R. LESTUS	8
MOTORMAN	D. OLSON	8
FLOORMAN	E. MILLER	8
FLOORMAN	R. LEGA	8
FIREMAN		

REMARKS AND INJURIES:

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER	D. FRYZOS	8
DERRICK	R. REYNOLD	8
MOTORMAN		8
FLOORMAN	E. LANNIER	8
FLOORMAN	S. CREMIE	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 George Tomchuk APPROVED: _____

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE DEC 20/70 — No. 12 — DAILY TIME SHEET 3-35 (REV. 1/68)

Well MOBIL OIL ETAL SLATER A-37

FIELD or AREA SLATER R.M.V.T. — WELL NAME & MOBIL OIL ETAL SLATER A37 — CONTRACTOR JENNINGS INTL. DRLG. — RIG No. 9 — No. 12 — 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.	9.6	42			30	75	48	900		
4 A.M.	9.6	40								
6 A.M.	9.6	41				75	48	900		
8 A.M.	P.U. 120									

LINER SIZE: 5½ STROKE 16

MUD & CHEMICALS

LBS. Added	KIND
150#	SUPER-COL
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.	9.3	42	10	2/32	30	70	48	900		
NOON	9.5	55	10	3/32	30	70	48	900		
2 P.M.	9.5	60	10	3/32	30	70	48	900		
4 P.M.	9.5	61	10	3/32						

LINER SIZE: 5½ STROKE 16.

MUD & CHEMICALS

LBS. Added	KIND
1000#	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.	9.5	55	10	3/32	35	75	48	900		
8 P.M.	9.5	58	10	3/32		75	48	900		
10 P.M.	9.5	55	10	3/32		75	48	900		
12 P.M.	9.5	59	10	3/32						

LINER SIZE: 5½ STROKE 16"

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND
250#	CAUSTIC		
300#	SOMABAR		
100#	UNICAL		
700#	SOGEL		

WORK RECORD — 12-8 TOUR

START	STOP	HRS.	
12	12½	¼	RIG SER
12½	18	5½	DRILL 7⅞ HOLE
18	8½	¼	CIRC SAMPLE

BOP Tested — DRILLER Ted Bergum — CONTRACTOR'S TIME — CO's. TIME

8-4 TOUR

START	STOP	HRS.	
8:00	8:15	¼	RIG SERVICE + CHECK MOTOR SHUT OFFS.
8:15	11:00	2¾	DRILL 7⅞ HOLE
11:30	11:30	½	CIR. SAMPLE.
11:30	11:45	¼	DUMMY TRIP.
11:45	4:00	4¼	DRILL 7⅞" HOLE.

BOP Tested — DRILLER: B. Lindsay — CONTRACTOR'S TIME — CO's. TIME

4-12 TOUR

START	STOP	HRS.	
4:30	4:30	½	RIG SERVICE
4:30	10:30	6½	DRILL 7⅞ HOLE @ 3488 MUD CLOBBERED BAD W/ ANHYDRATE TREATED OUT SAME W/ CHEMICAL + H2O
10:30	11:30	1	CIRC.
11:30	12:00	½	TRIP out to LOG. DROP SURVEY

BOP Tested — DRILLER: D. Frykas — CONTRACTOR'S TIME — CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	3348	3405	57	7	7⅞
REAMED					
CORED					

TALLY No.		LENGTH
30	STANDS	2838.60
	SINGLE	
12	D.C.'s	538.00
1	C.V.	1.96
1	B.S.R.	.70
	KELLY IN	35.74
	TOTAL	3405.00
	RAT HOLE TOP	

BIT RECORD: BIT No. 4; SIZE 7⅞; MAKE H.W.; TYPE J.V.; SERIAL 20347; JET SIZE 3/11; FROM 3154; TO 3405; FOOTAGE 251; HRS. 28; COND. 06

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	3405	3450	45	7	7⅞
REAMED					
CORED					

TALLY No.		LENGTH
30	STANDS	2828.40
2	SINGLE	62.64
18	D.C.'s	538.00
1	C.V.	1.96
1	B.S.R.	.70
	KELLY IN	18.00
	TOTAL	3450
	RAT HOLE TOP	

BIT RECORD: BIT No. RR 4; SIZE 7⅞; MAKE HW; TYPE XV; SERIAL 20347; JET SIZE 3/11; FROM 3154; TO 3450; FOOTAGE 296; HRS. 35; COND. 03

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	3450	3500	50	6½	7⅞
REAMED					
CORED					

TALLY No.		LENGTH
31	STANDS	2923.33
	SINGLE	
14	D.C.'s	538.50
1	C.V.	1.96
	BHA	70
	KELLY IN	35.01
	TOTAL	3500
	RAT HOLE TOP	

BIT RECORD: BIT No. RR 4; SIZE 7⅞; MAKE HW; TYPE XV; SERIAL 20347; JET SIZE 3/11; FROM 3154; TO 3500; FOOTAGE 346; HRS. 41½; COND. _____

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	T. BERGUM	8
DERRICK	R. LESTUS	8
MOTORMAN	E. WEINBERGER	8
FLOORMAN	E. JACKSON	8
FLOORMAN	M. KRLESA	8
FIREMAN		

REMARKS AND INJURIES:

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	B. BADOWAY	8
DERRICK	P. LIRSS	8
MOTORMAN	D. OLSON	8
FLOORMAN	K. MILLER	8
FLOORMAN	R. LEGA	8
FIREMAN		

REMARKS AND INJURIES:

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER	D. FRYKAS	8
DERRICK	R. RITTER	8
MOTORMAN	E. ZANNER	8
FLOORMAN	C. CREE	8
FLOORMAN	E. DUMONTELLE	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 George Lindsay APPROVED: _____

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE AUG 19/70 — No. 11 DAILY TIME SHEET 3-35 (REV. 1/68)

Well MOBIL OIL ETAL SLATER A-37

FIELD or AREA SLATER R. N.W.T. — WELL NAME & No. MOBIL OIL ETAL SLATER A-37 — CONTRACTOR JENNINGS INTL DRLG — RIG No. 9 — No. 11 — Approved _____ Date AUG 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.	9.6	45		7/32			48	900	3310	
4 A.M.	9.6	43								
6 A.M.	9.6	44								
8 A.M.	P.H.	11½								

LINER SIZE: 5½ STROKE 16"

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: 5½ STROKE 16

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		2/32	6	75	48	900		
8 P.M.	9.6	54		2/32	6	70	47	900		
10 P.M.	9.6	47		2/32	6	60	46	900		
12 P.M.	9.6	45		2/32	6	70	48	900		

LINER SIZE: 5½ STROKE 16

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

WORK RECORD — 12-8 TOUR

START	STOP	HRS.	
12:00	1:30	1½	RIG SERVICE
1:30	6:45	5¼	CIRC HOLE TO LOG.
6:45	7:00	¼	SURVEY
7:00	8:00	1	HOIST TO LOG. MEASURE OUT

BOP Tested — DRILLER: J. Bergum — CONTRACTOR'S TIME — CO's. TIME

8-4 TOUR

START	STOP	HRS.	
8:00	8:15	¼	RIG SERVICE
8:15	8:45	½	FINISH HOISTING TO LOG.
8:45	2:00	5¼	RIG UP SCHLUMBERGER.
2:00	3:30	6½	LOGGING WITH SCHLUMBERGER.
			LOG 1 - S.N.P.
			LOG 2 - F.D.C.
3:30	3:45	¼	TEAR OUT SCHLUMBERGER.
3:45	4:00		RUN IN WITH RR #4

Log #1 SIDE WALL NEUTRON POROSITY
Log. 2100' To 3310
Log #2 COMPENSATED FORMATION DENSITY
Log. F/ 425' To 3310

BOP Tested — DRILLER: _____ — CONTRACTOR'S TIME — CO's. TIME

4-12 TOUR

START	STOP	HRS.	
4:00	4:45	¾	RIG SERVICE
4:45	5:00	¼	RUN IN W/BIT #4, BREAK CIRC. NO FILL
5:00	12:00	7	DRILL 7⅞" HOLE

BOP Tested — DRILLER: J. Bergum — CONTRACTOR'S TIME — CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	3310				7⅞
REAMED					
CORED					

TALLY

No.		LENGTH
97	STANDS	2734.97
	SINGLE	
18	D.C.'s	538.00
1	CO	1.96
	BIT	.70
	KELLY IN	33
	TOTAL	3310.00
	RAT HOLE TOP	

BIT RECORD

BIT No.	4
SIZE	7⅞
MAKE	HUG
TYPE	XV
SERIAL	20347
JET SIZE	3/11
FROM	154'
TO	3310
FOOTAGE	156
HRS.	14
COND.	

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED					
REAMED					
CORED					

TALLY

No.		LENGTH
24	STANDS	2734.97
	SINGLE	
18	D.C.'s	538.00
1	CO	1.96
	BIT	.70
	KELLY IN	33
	TOTAL	3310
	RAT HOLE TOP	

BIT RECORD

BIT No.	4A1
SIZE	7⅞
MAKE	HUG
TYPE	XV
SERIAL	20347
JET SIZE	3/11
FROM	
TO	
FOOTAGE	
HRS.	
COND.	

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	3310	3348	38	7	7⅞
REAMED					
CORED					

TALLY

No.		LENGTH
29	STANDS	2734.97
1	SINGLE	30.70
18	D.C.'s	538.00
1	CO	1.96
	BIT	.70
	KELLY IN	44.40
	TOTAL	3348.13
	RAT HOLE TOP	

BIT RECORD

BIT No.	4
SIZE	7⅞
MAKE	H.W.
TYPE	XV
SERIAL	
JET SIZE	
FROM	154'
TO	3154
FOOTAGE	194
HRS.	21
COND.	0/0

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	J. BERGUM	8
DERRICK	A. LESTUS	8
MOTORMAN	W. H. BERGER	8
FLOORMAN	E. JACKSON	8
FLOORMAN	[illegible]	8
FIREMAN		

REMARKS AND INJURIES:

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	G. SADOWAY	
DERRICK	P. BASS	
MOTORMAN	D. OLSON	
FLOORMAN	R. MILLER	
FLOORMAN	R. LEGA	
FIREMAN		

REMARKS AND INJURIES:

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER	D. FRYKAS	8
DERRICK	R. REYNOLDS	8
MOTORMAN	E. ZANNER	8
FLOORMAN	C. CREFF	8
FLOORMAN	S. BENJELLOUN	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 George Lambert APPROVED: _____

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE DEC 18/70 — No. 10 DAILY TIME SHEET 3-35 (REV. 1/68)

Well MOBIL OIL ETAL SLATER A-37

FIELD or AREA SLATER R NWT. WELL NAME & No. MOBIL OIL ETAL SLATER A-37 CONTRACTOR JOHN IRICS INTL. DRLG. RIG No. 9 — No. 10 — 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.	9.4	44			20	75	48	900	3120	2°
4 A.M.	9.4	44								
6 A.M.										
8 A.M.	Rig up									

LINER SIZE: 5½ STROKE 16"

MUD & CHEMICALS

LBS. Added	KIND

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP #1 SPM	PUMP #1 PRESS	DEVIATION DEPTH	DEG.
10 A.M.	9.3	45	12	2/32	25	70	48	900		
NOON	9.3	44	12	2/32	25	70	48	900	3180	1¾°
2 P.M.	9.3	42	12	2/32	25	70	48	900		
4 P.M.										

LINER SIZE: 5½ STROKE 16

MUD & CHEMICALS

LBS. Added	KIND
500	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.	9.4	46	12	2/32	25	80	48	900		
8 P.M.	9.4	43	12	2/32						
10 P.M.	9.4	43	12	2/32						
12 P.M.	9.4	45	12	2/32						

LINER SIZE: 5½ STROKE 16"

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

WORK RECORD — 12 - 8 TOUR

START	STOP	HRS.	
12 AM	12 30	½	RIG SER.
12 30	12 45	¼	SURVEY @ 3128
12 45	4 30	3¾	DRILL 7⅞ HOLE
4 30	5 00	½	CIRC SAMPLE
5 00	8 00	3	HOIST BIT 3

BOP Tested — DRILLER: J. Bergum — CONTRACTOR'S TIME — CO's. TIME

8 - 4 TOUR

START	STOP	HRS.	
8:00	8:15	¼	RIG SERVICE + CHECK BOPS
8:15	2:00	5¾	DRILL 7⅞ HOLE
2:00	2:15	¼	SURVEY at 3180 1¾°
2:15	4:00	1¾	DRILL 7⅞ HOLE

BOP Tested Y = S — DRILLER: R. Sadowski — CONTRACTOR'S TIME — CO's. TIME

4 - 12 TOUR

START	STOP	HRS.	
4 AM	4 15	¼	RIG SERVICE
4 15	10 45	6½	DRILL 7⅞" HOLE
10 45	11 15	½	CIRC SAMPLE
11 15	11 45	½	DUMMY TRIP 5 STANDS
11 45	12 00	¼	CIRC.

BOP Tested ✓ — DRILLER: D. Fryback — CONTRACTOR'S TIME — CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	3124	3154	50	4	7⅞
REAMED					
CORED					

TALLY No.		LENGTH
27	STANDS	2516.64
1	SINGLE	
18	D.C.'s	538.00
1	C/O Sub	1.96
	Bit	.70
	KELLY IN	36.65
	TOTAL	3154
	RAT HOLE TOP	

BIT RECORD		
BIT No.	3	4
SIZE	7⅞	7⅞
MAKE	H.W.	H.W.
TYPE	X.V.	X.V.
SERIAL	8986	20347
JET SIZE	3/11	3/11
FROM	2874	3154
TO	3154	
FOOTAGE	273	
HRS.	25¼	
COND.		

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	A. BERGUM	8
DERRICK	A. LUSTUS	8
MOTORMAN	WEINBERGER	8
FLOORMAN	C. JACKSON	8
FLOORMAN	A. ERICKSON	8
FIREMAN		

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	3154	3249	95	7½	7⅞
REAMED					
CORED					

TALLY No.		LENGTH
28	STANDS	
1	SINGLE	26.19
18	D.C.'s	538.00
	C/O Sub	1.96
	Bit	.70
	KELLY IN	36.00
	TOTAL	3249
	RAT HOLE TOP	

BIT RECORD	
BIT No.	4
SIZE	7⅞
MAKE	HW
TYPE	XV
SERIAL	20347
JET SIZE	3/11
FROM	3154
TO	3249
FOOTAGE	95
HRS.	7½
COND.	DRILLING

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	B. SADOWSKI	8
DERRICK	P. BIRSS	8
MOTORMAN	O. OLSON	8
FLOORMAN	R. MILLER	8
FLOORMAN	K. LEGA	8
FIREMAN		

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	3249	3310	61	6½	7⅞
REAMED					
CORED					

TALLY No.		LENGTH
	STANDS	
	SINGLE	
18	D.C.'s	538.00
	C/O Sub	1.96
	Bit	.70
	KELLY IN	33.47
	TOTAL	
	RAT HOLE TOP	

BIT RECORD	
BIT No.	4
SIZE	7⅞
MAKE	H.W
TYPE	XV
SERIAL	20347
JET SIZE	
FROM	3154
TO	3310
FOOTAGE	156
HRS.	14
COND.	

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER	D. FRYBACK	8
DERRICK	R. REYNOLDS	8
MOTORMAN	E. ZANNER	8
FLOORMAN	C. GREFF	8
FLOORMAN	S. BERGERUD	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 George Lindsay APPROVED: _____

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE AUG 16/70 — 17 — No. 9 — No. 9 DAILY TIME SHEET 3-35 (REV. 1-1/68)

FIELD or AREA: SLATER R.N.W.T. WELL NAME & No. MOBIL OIL ETAL SLATER A-37 CONTRACTOR JENNINGS INTL. DRLG. RIG No. 9 — Approved _____ Date AUG 17/70

Well MOBIL OIL ETAL SLATER A-37

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	11.4		20	85	48	900	2868	1½°
4 A.M.	9.1	35	11.4							
6 A.M.	9.1	35	11.0							
8 A.M.										

LINER SIZE: 5" STROKE 16

MUD & CHEMICALS

LBS. Added	KIND
	SUPERCOL 1050#

START	STOP	HRS.	WORK RECORD — 12 - 8 TOUR
2:00	12:00	1/4	RIG SER
12:00	1:00	3/4	FINISH IN W/BIT #3
1:00	1:15	1/4	BREAK CIRC. + CLEAN 10' FILL
1:15	4:30	3 1/4	DRILL 7/8 HOLE
4:30	5:00	1/4	SURVEY @ 2908
5:00	8:00	3	DRILL 7/8 HOLE

BOP Tested _____ DRILLER: B. Burgum CONTRACTOR'S TIME _____ CO's. TIME _____

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	2879	2930	51	6¼	7⅞
REAMED					
CORED					

TALLY

No.		LENGTH
25	STANDS	2357.40
	SINGLE	
18	D.C.'s	538.00
1	C.O.	1.90
	SUB	.70
	KELLY IN	3.44
	TOTAL	2930
	RAT HOLE TOP	

BIT RECORD

BIT No.	3
SIZE	7⅞
MAKE	H.W.
TYPE	J.V.
SERIAL	18923
JET SIZE	
FROM	2879
TO	2930
FOOTAGE	51
HRS.	6¼
COND.	8

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	T. BURGUM	8
DERRICK	P. LESTUS	8
MOTORMAN	WEINBLACK	8
FLOORMAN	E. JACKSON	8
FLOORMAN	P. NIKKLESON	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.	9.2	38	13	3/32	20	70	48	850		
NOON	9.2	42	13	3/32	25	70	48	850	2930	1½°
2 P.M.	9.2	41	13	3/32	25	70	48	850		
4 P.M.										

LINER SIZE: 5½ STROKE 16

MUD & CHEMICALS

LBS. Added	KIND

START	STOP	HRS.	
8:00	8:15	¼	RIG SERVICE + CHECK NJ DRL.
8:15	2:00	3¾	DRILL 7⅞" HOLE.
2:00	2:30	½	SURVEY - 2930 - 1½°
2:30	4:00	1½	DRILL 7⅞" HOLE

BOP Tested _____ DRILLER: _____ CONTRACTOR'S TIME _____ CO's. TIME _____

8 - 4 TOUR

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	2930	3000	70	7¼	7⅞
REAMED					
CORED					

TALLY

No.		LENGTH
25	STANDS	
2	SINGLE	241.27
18	D.C.'s	538.00
	SUB	1.96
	KELLY IN	.70
	TOTAL	39.00
	RAT HOLE TOP	3000

BIT RECORD

BIT No.	3
SIZE	7⅞
MAKE	HW
TYPE	XV
SERIAL	18923
JET SIZE	3/11
FROM	2879
TO	3000
FOOTAGE	121
HRS.	13¾
COND.	0.B

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	B. SADOWAY	8
DERRICK	P. BIRSS	8
MOTORMAN	D. OLSON	8
FLOORMAN	R. MILLER	8
FLOORMAN	R. LEGA	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.	9.1	39			20	85	48	900	3032	1½°
8 P.M.	9.1	38								
10 P.M.										
12 P.M.										

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND
1000#	50# ASH		

START	STOP	HRS.	
4:00	4:30	½	RIG SERVICE + U BOP
4:30	6:30	2	DRILL 7⅞ HOLE
6:30	6:45	¼	SURVEY @ 3033 1½°
6:45	12:00	5¼	DRILL 7⅞" HOLE

BOP Tested 11:00 PM DRILLER: B. Sadoway CONTRACTOR'S TIME _____ CO's. TIME _____

4 - 12 TOUR

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	3000	3124	124	7½	7⅞
REAMED					
CORED					

TALLY

No.		LENGTH
27	STANDS	254.06
	SINGLE	
18	D.C.'s	538.00
1	SUB	1.76
	KELLY IN	.70
	TOTAL	37.50
	RAT HOLE TOP	3124

BIT RECORD

BIT No.	3
SIZE	7⅞
MAKE	H.W.
TYPE	XV
SERIAL	19826
JET SIZE	3/11
FROM	2879
TO	3124
FOOTAGE	245
HRS.	2¼
COND.	0/B

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER	D. FRYKAS	8
DERRICK	R. REYNOLDS	8
MOTORMAN	E. ZANNER	8
FLOORMAN	C. GREFF	6
FLOORMAN	S. BEUGELINK	8
FIREMAN		

REMARKS AND INJURIES:

BOP Tested _____ DRILLER: _____ CONTRACTOR'S TIME _____ CO's. TIME _____

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED D Frykas SI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER George Lunde APPROVED: _____

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE AUG 6/70 — No. 8 — No. 8 DAILY TIME SHEET 3-35 (REV. 1/68)

FIELD or AREA SLATER R N.W.T. — WELL NAME & No. MOBIL OIL ETAL SLATER A-37 — CONTRACTOR JENNINGS INT. DRLG. — RIG No. 9 — Well MOBIL OIL ETAL SLATER A-37 — Approved _____ — Date AUG 6/70

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
2 A.M.	9.0	38			90	70	48	850	2659	1°
4 A.M.	9.0	39							2690	2°
6 A.M.	9.0	40	1°		10	110	48	850		
8 A.M.	9.0	40	P11		105					

LINER SIZE: 5" STROKE 16"

MUD & CHEMICALS

LBS. Added	KIND

WORK RECORD — 12 - 8 TOUR

START	STOP	HRS.	
12:00	12:15	1/4	RIG SER.
12:15	12:30	1/4	SURVEY @ 2659
12:30	7:00	5 1/2	DRILL 7 7/8 HOLE
7:00	7:15	1/4	SURVEY @ 2690
7:15	8:00	1 3/4	DRILL 7 7/8 HOLE WT 10M R.P.M 110

BOP Tested _____ DRILLER: B. Berg CONTRACTOR'S TIME _____ CO's. TIME _____

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	2659	2740	81	11 1/4	7 7/8
REAMED					
CORED					

TALLY

No.		LENGTH
23	STANDS	2169.27
	SINGLE	
18	D.C.'s	538.00
1		1.96
1		.70
KELLY IN		30.40
TOTAL		2740.00
RAT HOLE TOP		

BIT RECORD

BIT No.	2
SIZE	7 7/8
MAKE	H.W.
TYPE	X.C.
SERIAL	22934
JET SIZE	3/11
FROM	2480
TO	2740
FOOTAGE	260
HRS.	14 1/4
COND.	0 B

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	A. BERGUM	8
DERRICK	R. LESTUE	8
MOTORMAN	E. WELLBERG	8
FLOORMAN	E. JACKSON	8
FLOORMAN	R. MIKKELSON	8
FIREMAN		

REMARKS AND INJURIES:

	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP #1 SPM	PUMP #1 PRESS	DEVIATION DEPTH	DEG.
10 A.M.	9.1	38	12	2/32	10	110	48	850		
NOON	9.1	38	13	2/32	10	110	48	850	2742	2°
2 P.M.	9.1	45	13	1/32	20	110	48	850		
4 P.M.										

LINER SIZE: 5 1/2 STROKE 16"

MUD & CHEMICALS

LBS. Added	KIND
500	SUPER-COL

BOP Tested _____ DRILLER: B. Jadowaj CONTRACTOR'S TIME _____ CO's. TIME _____

START	STOP	HRS.	
8:00	8:15	1/4	RIG SERVICE + CHECK KELLY COCK
8:15	11:00	2 3/4	DRILL 7 7/8" HOLE
11:00	11:15	1/4	SURVEY at 2742 2°
11:15	4:00	4 3/4	DRILL 7 7/8" HOLE

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	2740	2845	105	7 1/2	7 7/8
REAMED					
CORED					

TALEY

No.		LENGTH
24	STANDS	2264.01
	SINGLE	
18	D.C.'s	538.00
1		1.96
1		.70
KELLY IN		38.00
TOTAL		2845
RAT HOLE TOP		

BIT RECORD

BIT No.	2
SIZE	7 7/8
MAKE	H W
TYPE	X16.
SERIAL	22934
JET SIZE	3/11
FROM	2480
TO	2845
FOOTAGE	365
HRS.	21 3/4
COND.	0 B

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	B. SADOWAJ	8
DERRICK	P. BIRSS	8
MOTORMAN	D. OLSON	8
FLOORMAN	R. MILLER	8
FLOORMAN	K. LEGA	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.	9.1	73			7/10	110	48	850	2844	2°
8 P.M.	9.1	40				90	48	850		
10 P.M.		45							2879	2°
12 P.M.										

LINER SIZE: _____ STROKE _____

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND

BOP Tested KELLY COCK DRILLER: B. Jadowaj CONTRACTOR'S TIME _____ CO's. TIME _____

START	STOP	HRS.	
4:00	4:15	1/4	RIG SER.
4:15	4:45	1/2	SURVEY
4:45	9:30	4 3/4	DRILL 7 7/8" HOLE
9:30	10:00	1/2	Circ. Sample.
10:00	10:15	1/4	DROP SURVEY
10:15	11:30	1 1/4	TRIP OUT W/ BIT #2
11:30	12:00	1/2	RAN IN W/ BIT #3

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	2845	2879	34	4 1/4	7 7/8
REAMED					
CORED					

TALLY

No.		LENGTH
24	STANDS	2264.01
1	SINGLE	31.67
18	D.C.'s	538.00
1	C/O	1.96
		.70
KELLY IN		41.60
TOTAL		2879.81
RAT HOLE TOP		

BIT RECORD

BIT No.	2	3
SIZE	7 7/8	7 7/8
MAKE	H.W.	HW
TYPE	X16	XV
SERIAL	22934	18926
JET SIZE	3/11	3/11
FROM	2480	2879
TO	2879	
FOOTAGE	399	
HRS.	26 1/4	
COND.	6-2-1	

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER	D. PARKS	8
DERRICK	R. REYNOLDS	8
MOTORMAN	E. LANNER	8
FLOORMAN	C. GREFF	8
FLOORMAN	S. BEUSELINK	8
FIREMAN		

REMARKS AND INJURIES:

BOP Tested _____ DRILLER: D. Lyons 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 George Lindsay APPROVED: _____

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE AUG 15/76 — No. 1 — DAILY TIME SHEET 3-35 (REV. 1 1/68)

FIELD or AREA: SLATER R. M.W.T. — WELL NAME & No.: MOBIL OIL ETAL SLATER A-37 — CONTRACTOR: JENNING INTL DRLG — RIG No. 9 — No. 1

Well: MOBIL OIL ETAL SLATER A-37 — Approved — Date: AUG 15/76

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.	9.1	40			20	90	78	850	2342	7/8°
4 A.M.	9.1	39								
6 A.M.	9.1	38	13.0							
8 A.M.			PH 10.5							

LINER SIZE: 5½ STROKE 16

MUD & CHEMICALS

LBS. Added	KIND
	SUPER-COL 10000#

WORK RECORD — 12-8 TOUR

START	STOP	HRS.	
1300	1315	¼	R.C. SER.
1315	1600	2¾	DRILL 7⅞ HOLE
1600	1615	¼	SURVEY @ 2342.
1615	1800	1¾	DRILL 7⅞ HOLE

BOP Tested — DRILLER: T. Bergum — CONTRACTOR'S TIME — CO's. TIME

DRILLED	FROM	TO	FOOTAGE	HRS.	SIZE
	2316	2411	95	17¼	7⅞
REAMED					
CORED					

TALLY

No.		LENGTH
9	STANDS	
2	SINGLE	86.80
18	D.C.'s	538.00
1	C[illegible]	1.96
	[illegible]	.70
	[illegible]	
KELLY IN		16.54
TOTAL		2411.00
RAT HOLE TOP		

BIT RECORD

BIT No.	1
SIZE	7⅞
MAKE	H.W.
TYPE	X.C.
SERIAL	25099
JET SIZE	3/11
FROM	425
TO	2411
FOOTAGE	1986
HRS.	51
COND.	0.B.

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	T. BERGUM	8
DERRICK	A. LESTUS	8
MOTORMAN	WEINBERGER	8
FLOORMAN	J. JACKSON	8
FLOORMAN	M. NIKKLESON	8
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.	9.3	38	15		20	70	47	850		
NOON	9.3	39	15						2440	1°
2 P.M.										
4 P.M.	"									

LINER SIZE: 5½ STROKE 16

MUD & CHEMICALS

LBS. Added	KIND
1000	GEL
100	CAUSTIC
250	UNI-CAL

START	STOP	HRS.	
8:00	8:15	¼	RIG SERVICE + CHECK PIPE RAMS.
8:15	12:45	4½	DRILL 7⅞" HOLE.
12:45	1:15	½	CIR. SAMPLE
1:15	1:30	¼	SURVEY 2440 1°
1:30	3:00	1½	HOIST BIT #1
3:00	4:00	1	RUN IN W B.T #2

BOP Tested — DRILLER: T. Bergum — CONTRACTOR'S TIME — CO's. TIME

DRILLED	FROM	TO	FOOTAGE	HRS.	SIZE
	2411	2480	69	4½	7⅞
REAMED					
CORED					

TALLY

No.		LENGTH
20	STANDS	
1	SINGLE	19.86
18	D.C.'s	538.00
1	[illegible]	1.96
	[illegible]	.70
KELLY IN		21.
TOTAL		2480
RAT HOLE TOP		

BIT RECORD

BIT No.	1	2
SIZE	7⅞	7⅞
MAKE	H.W	H.W
TYPE	X.16	X16
SERIAL	25099	22934
JET SIZE	3/11	3/11
FROM	425	2480
TO	2480	
FOOTAGE	2055	
HRS.	61½	
COND.	T.4.1	

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	B. Jadoway	8
DERRICK	P. BIRSS.	8
MOTORMAN	D. OLSON	8
FLOORMAN	R. MILLER	8
FLOORMAN	R. LEGA	8
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.	9.2	36			30	70	48	850		
8 P.M.	9.2	34			30	70	48	850		
10 P.M.	9.2	33			30	70	48	850		
12 P.M.	9.2	43			30	70	48	850		

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND
800#	GEL		

START	STOP	HRS.	
400	405	¼	RIG SERVICE
405	700	2¾	FINISH IN HOLE + BREAK CIRC.
700	715	¼	DRILL 7⅞" HOLE
715			BLOWOUT DRILL
			DRILL 7⅞" HOLE

BOP Tested — DRILLER: D. Fyfkas — CONTRACTOR'S TIME — CO's. TIME

DRILLED	FROM	TO	FOOTAGE	HRS.	SIZE
	2480	2659	179		7⅞
REAMED					
CORED					

TALLY

No.		LENGTH
22	STANDS	975.16
	SINGLE	
18	D.C.'s	538.00
1	[illegible]	1.96
	BIT	.90
KELLY IN		40.41
TOTAL		
RAT HOLE TOP		

BIT RECORD

BIT No.	2
SIZE	7⅞"
MAKE	H.W
TYPE	X16
SERIAL	22934
JET SIZE	3/11
FROM	2480
TO	2659
FOOTAGE	179
HRS.	8
COND.	0/8

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER	D. FAYKAS	8
DERRICK	R. REYNOLDS	8
MOTORMAN	E. ZANNER	8
FLOORMAN	C. GREEF	8
FLOORMAN	S. BEUGELINK	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: George Lindsay APPROVED: _____

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE Dec 14/70 — No. 6 — DAILY TIME SHEET 3-25 (REV. 1/68)

FIELD or AREA SLATER R N.W.T. — WELL NAME & No. MOBIL OIL SLATER ETAL A-37 — CONTRACTOR JENNINGS INTL DRLG — RIG No. 9 — No. 6

Well MOBIL OIL SLATER ETAL A-37

Approved _____ Date Dec 14/70

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
2 A.M.	88	39			20	70	18	850	1620	1°
4 A.M.	88	39			15				1714	1°
6 A.M.	88	38								
8 A.M.										

LINER SIZE: 5½ STROKE 16

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.	89	39			20	70	47	850		
NOON	89	38			20	70	47	850	1830	1°
2 P.M.	89	38			20	70	47	850		
4 P.M.	89	38			20	70	47	850		

LINER SIZE: 5½ STROKE 16

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.	91	38			20	70	47	800	1946	7/8°
8 P.M.	88	38			20	70	47	800	2120	7/8°
10 P.M.	88	38								
12 P.M.	89	36								

LINER SIZE: STROKE

MUD & CHEMICALS

LBS. Added	KIND	Lbs.	ON HAND
3000#	GEL		
50	CAUSTIC		
100	LIG.		

WORK RECORD

12 - 8 TOUR

START	STOP	HRS.	
12:00	12:15	¼	R.G. SER.
12:15	3:00	2¾	DRILL 7⅞ HOLE
3:00	3:15	¼	SURVEY @ 1620
3:15	7:15	4	DRILL 7⅞ HOLE
7:15	7:30	¼	SURVEY @ 1714'
7:30	8:00	½	DRILL 7⅞ HOLE

BOP Tested — DRILLER: T. Bergum — CONTRACTOR'S TIME — CO.'s TIME

8 - 4 TOUR

START	STOP	HRS.	
8:00	8:30	½	RIG SERVICE
8:30	11:45	3½	DRILL 7⅞" HOLE
11:45	12:00	¼	SURVEY AT 1930 1°
12:00	4:00	4	DRILL 7⅞" HOLE

BOP Tested H.D.R.I.L. — DRILLER: B. Jackson — CONTRACTOR'S TIME — CO's. TIME

4 - 12 TOUR

START	STOP	HRS.	
4:00	4:30	½	RIG SERVICE.
4:30	5:00	½	DRILL 7⅞ HOLE
5:00	9:30	4½	SURVEY AT 1946 7/8°
9:30	9:45	¼	DRILL 7⅞" HOLE
9:45			SURVEY @ 2120' 7/8°
			DRILL 7⅞" HOLE

BOP Tested — DRILLER: D. Sykes — CONTRACTOR'S TIME — CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	1510	1760	250	7¼	7⅞
REAMED					
CORED					

TALLY

No.		LENGTH
12	STANDS	
2	SINGLE	1845.M
18	D.C.'s	538.00
		1.96
		.70
KELLY IN		24.20
TOTAL		1760.00
RAT HOLE TOP		

BIT RECORD

BIT No.	1
SIZE	7⅞
MAKE	H.W.
TYPE	X16
SERIAL	35099
JET SIZE	3/11
FROM	[illegible] 425
TO	[illegible] 1760
FOOTAGE	1335
HRS.	34¾
COND.	06

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	1760	1980	220	7½	7⅞
REAMED					
CORED					

TALLY

No.		LENGTH
15	STANDS	1442.3
	SINGLE	
18	D.C.'s	538.00
	[illegible]	1.96
	[illegible]	.70
KELLY IN		16.00
TOTAL		1980
RAT HOLE TOP		

BIT RECORD

BIT No.	1
SIZE	7⅞
MAKE	H.W.
TYPE	X16.
SERIAL	35099
JET SIZE	3/11.
FROM	425
TO	1940
FOOTAGE	1515
HRS.	42½
COND.	DRL.

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	1940	2216	236	7¼	7⅞
REAMED					
CORED					

TALLY

No.		LENGTH
17	STANDS	1603.00
1	SINGLE	31.58
18	D.C.'s	538.00
	[illegible]	1.96
	Bit	.70
KELLY IN		41.40
TOTAL		2216.68
RAT HOLE TOP		

BIT RECORD

BIT No.	1
SIZE	7⅞
MAKE	H.W.
TYPE	X16
SERIAL	35099
JET SIZE	3/11
FROM	425
TO	2216
FOOTAGE	1791
HRS.	49½
COND.	0/8

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	T. BERGUM	8
DERRICK	L. LESTUS	8
MOTORMAN	E. WEINBRUCH	8
FLOORMAN	E. JACKSON	8
FLOORMAN	M. MIKKELSON	13
FIREMAN		

REMARKS AND INJURIES:

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	B. SADOWAY	8
DERRICK	P. PIRSS	8
MOTORMAN	D. OLSON	8
FLOORMAN	R. MILLER	8
FLOORMAN	K. LEGA	8
FIREMAN		

REMARKS AND INJURIES:

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER	D. KRIMA	8
DERRICK	R. REYNOLDS	8
MOTORMAN	E. ZANNER	8
FLOORMAN	C. CREFE	8
FLOORMAN	S. BECKLUND	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: Henry Lestus APPROVED: _____

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE AUG 13/70 — No. 5 — DAILY TIME SHEET 3-35 (REV. 1/68)

FIELD or AREA: SLATER R. N.W.T. — WELL NAME & No.: MOBIL OIL ETAL SLATER A-31 — CONTRACTOR: JENNINGS INTL. DRG. — RIG No. 9 — No. 5

Well: MOBIL OIL ETAL SLATER A-31 — Approved _____ — Date AUG 13/70

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
2 A.M.	86	44			6	95	48	800	644'	1/4
4 A.M.	88	39							865'	1/4
6 A.M.	89	38								
8 A.M.										

LINER SIZE: 5½ STROKE 16"

MUD & CHEMICALS

LBS. Added	KIND

START	STOP	HRS.
5:00	12:15	1¼
12:15	12:30	¼
12:30	4:15	3¾
4:15	4:30	¼
4:30		

WORK RECORD

RIG SER.
SURVEY @ 644'
DRILL 7⅞ HOLE
SURVEY @ 865'
DRILL 7⅞ HOLE

12 - 8 TOUR

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	675'	990	315	7¼	7⅞
REAMED					
CORED					

TALLY

No.		LENGTH
4	STANDS	
2	SINGLE	130.69
18	D.C.'s	538.00
1		1.96
		.70

BIT RECORD

BIT No.	1
SIZE	7⅞
MAKE	HW
TYPE	X16
SERIAL	5079
JET SIZE	3/11
FROM	425
TO	990
FOOTAGE	565
HRS.	13
COND.	OB

KELLY IN 16.13 — TOTAL 9900 — RAT HOLE TOP

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	T. BERGUM	8
DERRICK	R. JESTUS	8
MOTORMAN	G. WEINBERGER	8
FLOORMAN	E. JACKSON	8
FLOORMAN	M. KRLESON	16
FIREMAN		

REMARKS AND INJURIES:

BOP Tested		DRILLER: T. Bergum	CONTRACTOR'S TIME	CO's. TIME
START	STOP	HRS.		
8:00	8:15	¼	RIG SERVICE	
8:15	11:30	3¼	DRILL 7⅞" HOLE	
11:30	11:45	¼	SURVEY AT 1074'	¾°
11:45	3:45	4	DRILL 7⅞ HOLE	
3:45	4:00	¼	SURVEY @ 1170'	¾°

8 - 4 TOUR

	FROM	TO	FOOT/AGE	HRS.	SIZE
DRILLED	990	1210	220	7¼	7⅞
REAMED					
CORED					

TALLY

No.		LENGTH
6	STANDS	564.98
2	SINGLE	63.27
18	D.C.'s	538.00
		1.96
		.70

BIT RECORD

BIT No.	1
SIZE	7⅞
MAKE	HW
TYPE	X16
SERIAL	5079
JET SIZE	3/11
FROM	425
TO	1210
FOOTAGE	755
HRS.	20¾
COND.	DRL.

KELLY IN 4.00 — TOTAL 1210. — RAT HOLE TOP

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	D. SADOWAY	8
DERRICK	P. BIRSS	8
MOTORMAN	D. OLSON	8
FLOORMAN	K. MILLER	8
FLOORMAN	R. LEGA	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.	73	33			20	68	47	900		
NOON	73	34			15	68	47	900	1074'	3/4°
2 P.M.	73	35			15	68	47	900		
4 P.M.	73	35			15	68	47	900	1170'	3/4°

LINER SIZE: 5½ STROKE 16

MUD & CHEMICALS

LBS. Added	KIND

BOP Tested	Y/S	DRILLER: B. Sadoway	CONTRACTOR'S TIME	CO's. TIME
START	STOP	HRS.		
4:00	4:15	¼	RIG SER. & CHECK B.O.P.'S	
4:15	8:00	3¾	DRILL 7⅞ HOLE	
8:00	8:30	½	SURVEY MISRUN	
8:30	9:30	1	DRILL 7⅞" HOLE	
9:15	9:30	¼	SURVEY at 1349'	3/4°
1:30	12:00	2½	DRILL 7⅞" HOLE	

4 - 12 TOUR

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	1210	1520	300'	7¼	7⅞
REAMED					
CORED					

TALLY

No.		LENGTH
10	STANDS	944.11
	SINGLE	
18	D.C.'s	538.00
1	4 3/4	1.96
	BIT	.70

BIT RECORD

BIT No.	1
SIZE	7⅞
MAKE	HW
TYPE	X16
SERIAL	5079
JET SIZE	3/11
FROM	425
TO	1520
FOOTAGE	
HRS.	10.50
COND.	

KELLY IN 16.16 — TOTAL 1510. — RAT HOLE TOP

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER	D. FAYRES	8
DERRICK	R. KEYNOLDS	8
MOTORMAN	E. ZANNER	8
FLOORMAN	C. GREFF	8
FLOORMAN	S. BERGELINK	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 _____ APPROVED: _____

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE AUG 8/10 — No. 4 — No. 4 DAILY TIME SHEET 3-35 (REV. 1 1/68)

Well MOBIL ET AL SLATER A-37

FIELD or AREA: SLAVE R. NW6 — WELL NAME & No. MOBIL OIL ET AL SLATER A-37 — CONTRACTOR JENNINGS INT. DRG — RIG No. 9 — Approved _____ Date AUG 12/10

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.					15	70	46	800		
6 P.M.	9+	28				70	46	650		
8 P.M.	9+	28								
10 P.M.	9+	28								
12 P.M.		28								

LINER SIZE: _____ STROKE _____

MUD & CHEMICALS

LBS. Added	KIND
200	Bi CARB.
100	Bi CARB

START	STOP	HRS.	WORK RECORD — 12 - 8 TOUR
12:00			DISMANTLE B.O.P's RIG UP SAME
	8:00	8	CUT OFF INSIDE OF CSG BOWEL
			RELEASE B.O.P's NIPPLE UP SAME

BOP Tested — DRILLER: Joel Berg — CONTRACTOR'S TIME — CO's. TIME

START	STOP	HRS.	8 - 4 TOUR
8:00	8:30	½	RIG SERVICE.
8:30	9:30	1	FINISH NIPPLE UP B.O.P's.
9:30	9:45	¼	PRES. TEST BLIND RAMS 1000 PSI OK
9:45	10:00	¼	RUN IN W/ BIT.
10:00	10:15	¼	PRES TEST PIPE RAMS 1200 PSI OK.
10:15	10:30	¼	PRES TEST HYDRIL 1000 PSI OK
10:30	12:30	2	CHANGE VALVE ON MANIFOLD (TEST 1000PSI)
12:30	2:00	1½	DRL OUT PLUG FLOAT + SHOE DISPLACE
2:00	2:15	¼	PRES TEST KELLY COCK 400 PSI OK
2:15	2:30	¼	PRES TEST FORMATION 250 PSI OK
2:30	2:45	¼	PICK UP 6 D.C.
2:45	3:00	¼	DRILL 7⅞" HOLE

BOP Tested — DRILLER: B Jacoway — CONTRACTOR'S TIME — CO's. TIME

START	STOP	HRS.	12 TOUR
4:00	4:15	¼	RIG SER.
4:15	6:00	1¾	DRILL 7⅞ HOLE
6:00	8:30	2½	WAIT ON WATER
8:30	12:00	3½	DRILL 7⅞" HOLE

BOP Tested — DRILLER: D Fryka — CONTRACTOR'S TIME — CO's. TIME

LINER SIZE: 5½ STROKE 16

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND
100	Bi CARB		

	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	T. BERGUM	8
DERRICK	R. LUSTUS	10
MOTORMAN	WELLINGTON BURKE	8
FLOORMAN	L. JACKSON	10
FLOORMAN	M. MIKKELSON	8
FIREMAN		

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	425	463	38	½	7⅞
REAMED					
CORED					

TALLY

No.		LENGTH
	STANDS	
	SINGLE	
	D.C.'s	
	KELLY IN	
	TOTAL	
	RAT HOLE TOP	

BIT RECORD

BIT No.	1
SIZE	7⅞
MAKE	HW
TYPE	X16
SERIAL	25099
JET SIZE	3/11
FROM	425
TO	470
FOOTAGE	45
HRS.	½
COND.	DRILLING

Tour 2	8 A.M. to 4 P.M.	Hrs.
DRILLER	B SADOWAY	8
DERRICK	P BIRSS	8
MOTORMAN	D OLSON	8
FLOORMAN	R MILLER	8
FLOORMAN	K LEGA	8
FIREMAN		

REMARKS AND INJURIES:

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	463	675	212	5¼	7⅞
REAMED					
CORED					

TALLY

No.		LENGTH
1	STANDS	93.38
	SINGLE	
18	D.C.'s	538.00
	C/SUB	1.96
	BIT	.70
	KELLY IN	41.40
	TOTAL	675.24
	RAT HOLE TOP	

BIT RECORD

BIT No.	1
SIZE	7⅞
MAKE	HW
TYPE	X16
SERIAL	25099
JET SIZE	3/11
FROM	425
TO	675
FOOTAGE	250
HRS.	5 3/4
COND.	0/B

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER	D. FRYKAS	8
DERRICK	R. REYNOLDS	
MOTORMAN	E. ZANNER	
FLOORMAN	C. GREEF	
FLOORMAN	S BEUERMAN	
FIREMAN		

REMARKS AND INJURIES:

CASING TESTED TO: 1000 PSI. MIN. 15 FORMATION TESTED 2512 PSI. MIN. 15 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 Aug 11/70 — No. 3 DAILY TIME SHEET 3-35 (REV. 11/68)

Well MOBIL ET AL SLATER A-37 — No. 3

FIELD or AREA SLATER R. NWT — WELL NAME & No. MOBIL ET AL SLATER A-37 — CONTRACTOR JENNINGS INT. DRLG — RIG No. 9 — Approved _____ Date Aug 11/70

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	7:30	7½	W.O.C.
7:30	8:00	½	CUT OFF CASING & WELD ON BOWL.
			TOP OF CEMENT 5' BELOW GROUND LEVEL @ 4:00 AM.
			RECEMENTED W/ 20 SKS CEMENT

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	T. BEACUM	8
DERRICK	RAY LUSTUS	8
MOTORMAN	G. WEINBURGER	8
FLOORMAN	ED JACKSON	8
FLOORMAN	R. MAKKLESON	8
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

START	STOP	HRS.	8 - 4 TOUR
8:00	10:30	2½	WELD ON CASING BOWL
			INSTALLED 10" x 600 SERIES NATIONAL
			TYPE B. SLIP ON BOWL.
10:30	4:00	5½	NIPPLE UP BOPS.

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 2 — 8 A.M. to 4 P.M. — Hrs.

DRILLER	B. SADOWAY	15
DERRICK	G. BIRSS	15
MOTORMAN	D. OLSON	8
FLOORMAN	R. MILLAR	8
FLOORMAN	L. LEGA	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

START	STOP	HRS.	4 - 12 TOUR
8:00	9:00	1	RIPPLE UP BOPS & MANIFOLD
9:00	8:30	½	PRES. TEST BLIND RAMS 1000 PSI OK.
8:30	10:00	1½	DRILL MOUSE HOLE
10:00	12:00	2	PICK UP 7⅞ BIT WOULD NOT GO THROUGH CASING BOWL

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 3 — 4 P.M. to Midnite — Hrs.

DRILLER	D. FRYERS	14
DERRICK	E. REYNOLDS	14
MOTORMAN	E. ZANNON	16
FLOORMAN	C. GRUFF	14
FLOORMAN	S. BISUCELLE	14
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 Jack Kaszuwek APPROVED: _____

3-27 (REV. 4/67)

MOBIL OIL CANADA, LTD.
PIPE TALLY FORM

SHEET NO.

NB THIS ~~IS NOT~~ IS A "THREADS OFF" TALLY

DATE Aug 10/70

WELL NAME Mobil et al Slater A-37

LOCATION ~~LS~~ ___, SEC ___, TWP ___, RGE ___, W___ M

64° 56 05" - 126° 05' 42"

11 JOINTS 0 TO 425 SIZE 8 5/8 GRADE J-55 WT 24 THREADS 8 RD S.T.&C.

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	44	89	36	82													391	36
2	33	83	38	95	Cut												112	81
3	36	86	37	04														
4	40	79																
5	38	85																
6	42	05																
7	34	85																
8	38	60																
9	38	88																
10	41	76																
TOTAL	391	36	112	81													504	17

1																		
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
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 Joe Kuhnsmith

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 AUG 10/70 No. 2 DAILY TIME SHEET 3-35 (REV. 1/68)

Well MOBIL ETAL SLATER A-37

FIELD or AREA: SLATER N.W.T. WELL NAME & No. MOBIL SLATER ETAL A-37 CONTRACTOR JENNINGS INT. DRLG. RIG No. 9 Approved _____ Date AUG 10/70

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PRESS	DEVIATION DEPTH	DEG.
2 A.M.	9045			2/10	120	58	800	455		1°
4 A.M.	10 11									
6 A.M.	9045									
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.	
0900	1315	14	RIG SER.
1315	1345	1/2	RUN IN HOLE
1345	1715	3 1/2	CIRC HOLE UNLOAD CEMENT & CASING
1715	1945	2 1/4	DRILL 12 1/4" HOLE
1945	2015	1/2	CIRC COND HOLE
2015	2115	1	SURVEY @ 435'
2115	2145	1/2	HOIST TO RUN CSG.
2145	2315	1 1/2	RIG TO RUN CSG.
2315	0800	8 1/2	RUN CSG.

NOTE - FORMATION GOOD CLEAN SHALE FROM 302 - 435

BOP Tested — DRILLER: Benjamin — CONTRACTOR'S TIME — CO's. TIME

8-4 TOUR

START	STOP	HRS.	
800	815	1/4	RIG SERVICE
815	930	1 1/4	RUN 8 5/8 SURFACE CASING
930	1130	2	CIR.
1130	2000	8 1/2	CEMENT CASING (300 SACKS)
2000	0800	12	W.O.C

RUN 11 JOINTS 8 5/8 MM. 24# / FT. J.S. 8RD THRD. & CASING TOTAL 428.18 W/ BAKER FLOAT COLLAR & GUIDE SHOE 4- CENTRALIZERS BJ CEMENTED W/ 300 SKS CONST T 2.5% CaCl2. PLUG DOWN @ 2:00 PM AUG 10/70 SLURRY WT. 16. RETURNS JUST TO SURFACE. DROPPED 52'

BOP Tested — DRILLER: Benjamin — CONTRACTOR'S TIME — CO's. TIME

4-12 TOUR

START	STOP	HRS.	
4	4 30	1/4	RIG SER.
4 30	11 30	7	W.O.C
11 30	12 00	1/2	CEMENT CASE W/ 65 SACKS ON OUT SIDE.

BOP Tested — DRILLER: Dayton — CONTRACTOR'S TIME — CO's. TIME

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	380	435	45	2 1/4	12 1/4"
REAMED					
CORED					

TALLY No.		LENGTH
2	STANDS	188.44
	SINGLE	
1	D.C.'s	208.41
1	X OVER	1.76
1	BIT SUB	3.00
	BIT	.85
	KELLY IN	23.34
	TOTAL	425.00
	RAT HOLE TOP	

BIT RECORD

BIT No.	1A.
SIZE	12 1/4
MAKE	REED
TYPE	R.T.
SERIAL	
JET SIZE	
FROM	0
TO	435
FOOTAGE	435
HRS.	18 1/2
COND.	

Tour 1	Midnite to 8 A.M.	Hrs.
DRILLER	T. BERGUM	15
DERRICK	A. LESTUS	15
MOTORMAN	OWEN BEKKUR	8
FLOORMAN	E. JACKSON	15
FLOORMAN	M. MARKESON	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	B. SADOWAY	8
DERRICK	P. BIRSS	8
MOTORMAN	D. OLSON	8
FLOORMAN	K. MILLER	8
FLOORMAN	K. LEGA	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	V. HANNS	8
DERRICK	K. REYNOLDS	8
MOTORMAN	E. ZANNER	8
FLOORMAN	C. GREEF	X
FLOORMAN	S. BERGUM	8
FIREMAN		X

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 Joe Lubbesmeyer APPROVED: _____

MOBIL OIL CANADA, LTD.
CASING AND CEMENTING REPORT

3-38 (REV. 4/67)

WELL NAME MOBIL ET AL SLATER RIVER A-37 DATE AUG 14/70

LOCATION LS —, SEC —, TWP —, RGE —, W__M 64° 56' 05" N. 126° 05' 42"

KB ELEVATION 14.60

KB TO FLANGE 14.20 FT

CASING (LIST IN ORDER RUN)

	SIZE	WT	GRADE	THREADS NO.	THREADS TYPE	NEW OR USED	NO. JOINTS	LENGTH TOTAL
1	8 5/8"	24.00	J.S.	8RD	ST&C	NEW	11	425.41
2								
3								
4								
5								
6								
7								

TOTAL CASING ON THE LEASE BEFORE STARTING 13 501.40

CASING REMAINING ON THE LEASE AFTER RUNNING 2 75.99

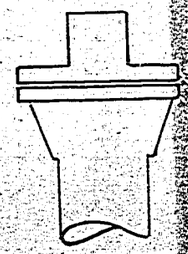
TOTAL CASING RUN + FLOAT COLLAR & GUIDE SHOE 2.77 → 11 428.18 − 428.18

LENGTH UP FROM KB ON LANDING JOINT 3.18

CASING LANDED AT 425.00

TAGGED BOTTOM AT 425 KB PIPE LANDED ON ~~FLOOR~~ BOTTOM

CASING FLANGE
TYPE B
MFRG NATIONAL
SIZES 10"x600 x 8"rd
WP 2000



	MFGR	INTERVAL			
CRATCHERS TYPE		INTERVAL			
CENTRALIZERS TYPE M	MFGR BAKER	INTERVAL OFF BTM. 22', 70', 122', 390',			
FLOAT COLLAR AT 380.00	LENGTH 1.55	MFGR Baker	TYPE	WELDED	LOCKED
FLOAT SHOE AT 425.00	LENGTH 1.22	MFGR Baker	TYPE	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	CONST.	2.5% CACL2	300	16.	
2					
3					
4					

MUD WT 9.0 VISC 45 W/L — PH — FC — GEL —

HOLE SIZES 12 1/4 TD DRILLER 425.00 TD LOG — TD CASING — CALIPER USED ~~YES~~ NO TYPE

WATER TESTED YES (NO) HOW TEMP.

TIMES
FINISH CIRCULATING 6.00 AM START CASING 7:15 AM CASING IN 9:15 AM CIRCULATE CASING 11:30 AM
RIG TO CEMENT 11:47 AM START MIXING 11:50 AM FINISH MIXING 1:45 PM START DISPLACING 1:55 PM PLUG DOWN 2:00 PM
PUMPING TIME 41 MIN CASING VOLUME 24.3 BBLS AVERAGE PUMPING RATE 6 BBL/MIN CASING LANDED 2:00 PM
HOW

PRESSURES
BREAK CIRCULATION 350 PSI CIRCULATING 250 PSI FINAL PUMPING 200 PSI BUMPED PLUG 1,000 PSI FLOAT HELD YES

REMARKS (DESCRIBE HOW PIPE WAS WORKED AND ANY PROBLEMS DURING JOB) STATE DISPOSITION OF DRY CEMENT, WATER AND SLURRY SAMPLES
PIPE WORKED 30' WHILE CEMENTING, CEMENT UNIT SLOW IN MIXING, SLURRY WT. 16.0 LB/GAL RETURNS TO SURFACE THAN DROPPED 52', RECEMENTED W/ 65 SACKS CONST. CEMENT, 3 HOURS AFTER CEMENT DOWN 5' RECEMENTED W/ 20 SACKS CONST. CEMENT HOLDING OK.

SIGNATURE Joe Kuboszewski

NOTE DISTRIBUTION: WHITE COPY - FORWARD TO AREA WELL FILE / YELLOW COPY - FORWARD TO DIVISION WELL FILES / PINK COPY - FORWARD TO CONSERVATION BOARD

DATE AUG 9/70 No. 1 DAILY TIME SHEET 3-35 (REV. 1/68)

Well MOBIL ET AL SLATER A-37

No. 1

INT. DRLG RIG No. 9 Approved — Date AUG 9/70

8 TOUR

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	0	195	195	7¼	12¼
REAMED					
CORED					

TALLY

No.		LENGTH
STANDS		
SINGLE		
5	D.C.'s	147.26
1	C.O.	1.96
1	B.S.	3.00

BIT RECORD

BIT No.	1A
SIZE	12¼
MAKE	
TYPE	Smith DSJ
SERIAL	32-T
JET SIZE	3-16
FROM	0
TO	195
KELLY IN	41.40
FOOTAGE	195
TOTAL	195.00
HRS.	7¼
RAT HOLE TOP	COND. 0.3

Tour 1 | Midnite to 8 A.M. | Hrs.

DRILLER	TED BERGUM	8
DERRICK	RAY LESTUS	8
MOTORMAN	CHANKLEIBECKER	8
FLOORMAN	D JACKSON	8
FLOORMAN	[illegible] MACKLSON	8
FIREMAN		

REMARKS AND INJURIES:

4 TOUR

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	195	262	67	3¾	12¼
REAMED					
CORED					

TALLY

No.		LENGTH
1	STANDS	30.91
7	D.C.'s	208.41
1	10" STAB	1.96
1	BELLS	3.00
1	BIT	.85

BIT RECORD

BIT No.	1A
SIZE	12¼
MAKE	REED Smith
TYPE	DSJ
SERIAL	R-1
JET SIZE	3-16
FROM	0
TO	262
KELLY IN	16.87
FOOTAGE	262
TOTAL	262
HRS.	10½
RAT HOLE TOP	COND. DRILLING

Tour 2 | 8 A.M. to 4 P.M. | Hrs.

DRILLER	B SADOWAY	8
DERRICK	P BIRSS	8
MOTORMAN	D OLSON	8
FLOORMAN	R MILLER	8
FLOORMAN	R LEGA	8
FIREMAN		

REMARKS AND INJURIES:

TOUR

	FROM	TO	FOOTAGE	HRS.	SIZE
DRILLED	262				
REAMED					
CORED					

TALLY

No.		LENGTH
1	STANDS	93.79
1	SINGLE	31.96
7	D.C.'s	208.41
1	X.O.	1.96
1	BELLS	3.00
1	BIT	.85

BIT RECORD

BIT No.	1A
SIZE	12¼
MAKE	REED Smith
TYPE	DSJ
SERIAL	R-1
JET SIZE	3-16
FROM	0
TO	380
KELLY IN	41.40
FOOTAGE	380
TOTAL	380.97
HRS.	16½
RAT HOLE TOP	COND.

Tour 3 | 4 P.M. to Midnite | Hrs.

DRILLER	V. FERRAS	8
DERRICK	R. REFNUCCI	8
MOTORMAN	R. GREENE	8
FLOORMAN	S. BEUGELINK	8
FIREMAN		

REMARKS AND INJURIES:

TIME LOST

APPROVED:

3-27 (REV. 4/67)

MOBIL OIL CANADA, LTD.
PIPE TALLY FORM

SHEET NO.

NB THIS ~~IS NOT~~ IS A "THREADS OFF" TALLY

DATE Aug 10/70

WELL NAME Mobil et al Slave-A-37

LOCATION LS ___, SEC ___, TWP ___, RGE ___, W___ M

64° 56' 05" - 126° 05' 42"

11 JOINTS 0 TO 425' SIZE 8 5/8 GRADE J5 WT 24 THREADS 8RD S.T.&C.

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	44	89	36	82														
2	33	83	35	95	}	cut											391	36
3	36	86	37	04	/												112	81
4	40	79																
5	38	85																
6	42	05																
7	34	85																
8	38	60																
9	38	88																
10	41	76																
TOTAL	391	36	112	81													504	17

1																		
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
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 Joe Kuhnemuth

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 Aug 8/70 No. 4 No. ____ DAILY TIME SHEET 335 (REV. 1/68)

Well MOBIL ET AL SLATER A-37

FIELD or AREA: SLATER RIVER NWT WELL NAME & No. MOBIL ET AL SLATER A-37 CONTRACTOR JENNINGS INT. DRLG RIG No. 9

Approved ____ Date Aug 8/70

TIME	MUD RECORD WT.	VISC.	W.L.	F.C.	BIT WT. M	TABLE RPM	PUMP SPM	PUMP PRESS	DEVIATION DEPTH	DEG.
2 A.M.										
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.					L	60	58	300		
8 P.M.	8335									
10 P.M.	8745									
12 P.M.	8948									

LINER SIZE: 7" STROKE 16

MUD & CHEMICALS

LBS. Added	KIND	LBS.	ON HAND
1500	SUPERCOL		

WORK RECORD — 12-8 TOUR

START	STOP	HRS.	
8:00 AM	5:00 PM	8	RIG UP

BOP Tested ____ DRILLER: BERGUM CONTRACTOR'S TIME ____ CO's. TIME ____

8-4 TOUR

START	STOP	HRS.	
8:00 AM	4:00 PM	8	RIG UP

BOP Tested ____ DRILLER: SADOWAY CONTRACTOR'S TIME ____ CO's. TIME ____

4-12 TOUR

START	STOP	HRS.	
7:00 AM	7:30	3½	FILL TANKS W/ WATER
7:30	9:00	1½	MIX MUD
9:00	12:00	3	RIG UP & DRILL RAT-HOLE

BOP Tested ____ DRILLER: FRYCAS 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	T. BERGUM	8
DERRICK	A. LESTUS	8
MOTORMAN	W. WINBERG	8
FLOORMAN	L. JACKSON	8
FLOORMAN	A. BIRKLESON	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	B. SADOWAY	8
DERRICK	P. BIRSS	8
MOTORMAN	D. OLSON	8
FLOORMAN	R. MILLER	8
FLOORMAN	R. LEGA	
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.	1A
SIZE	12¼
MAKE	
TYPE	
SERIAL	R-T
JET SIZE	
FROM	
TO	
FOOTAGE	
HRS.	
COND.	

Tour 3	4 P.M. to Midnite	Hrs.
DRILLER	H. HAYMAN	8
DERRICK	Ray Reynolds	8
MOTORMAN	D. Zannon	8
FLOORMAN	Colin Creff	8
FLOORMAN	Todd Burgess	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 [signature] APPROVED: ____