CDR CHEVRON MILLS

LAKE L-10

Drilling Authority No. 286

Date Issued December 22, 1967

WELL NAME CDR Chevron Mills Lake L-10

FIELD Area:

LOCATION: Unit L Section 10 Grid 61-10-117-30

Latitude 61-09-59 Longitude 117-38-39.19

From Established Reference Marker Government B.M. 66T-137

U.W.L.R. 61.16 — 117.53795

U.W.I.No. 300 L10 110117300

Rig Release Date: Feb. 10, 1968

Status S-A

Information Release Date

CHANGE OF NAME:

DATE RECEIVED	INDEX
Dec. 22/67	Application for a Drilling Authority.
17-9-68	Well Completion Data.
	Well History Report.
20-9-68	Application to Amend a Drilling Authority.
	Application to change a Well Name.
27/3/68	Application to Abandon a Well or Suspend Drilling.
	Application to Alter Condition of a Well.
	Well History Supplement.
	Well Completion Data.
	Work-over Report No.
	Application to Commingle Production before Measurement.
	Data for Back Pressure Test on Natural Gas Wells — Monograph 7 Method.
	Data for Back Pressure Test on Natural Gas Wells — Vitter's Method.
	M.P.R. — Oil — Calculations.
	New Oil Well Report.
	New Gas Well Report.
	Well Inspection Report.
	Rig Inspection Report.
	Battery Inspection Report.
	Equipment Report.
	Well Card.
	New Service Well Report.
	Monthly Water Flood Operations Report
	Monthly Water Receipts and Disposal of Fluids Report
	Logs. Large scale Small scale

NANR 52-90 (7-65)

File No. .....

Drilling Authority No. 286

CANADA

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT

RESOURCE MANAGEMENT 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. 286, concerning

CDR Chevron Mills Lake M-20
(Name and Number of Well)

The following amendments are required:

CHANGE OF WELL NAME: From - CDR Chevron Mills Lake M-20, To - CDR Chevron Mills Lake L-10

CHANGE OF LOCATION: From - Unit M, Section 20, Grid 61°10' N., 117°30' W.
To - Unit L, Section 10, Grid 61°10' N., 117°30' W.

From - Latitude 61°09'55" N., Long. 117°33'07.8" W.
To - Latitude 61°09'40.59" N., Long. 117°31'39.19" W.

CHANGE OF UNIVERSAL WELL LOCATION REFERENCE:

From - Lat. 61.16527° N., Long. 117.55216° W.
To - Lat. 61.16128° N., Long. 117.52755° W.

CHANGE OF UNIQUE WELL IDENTIFIER: From 300M206110117300, To - 300L106110117300

Reasons for the amendments:

Legal Survey by Midwest Surveys Co. Ltd. shows a corrected well location.

Dated at Calgary Alta. this 17th day of September, 1968

Signed by [signature]

Title Asst. Engineer

Company CENTRAL-DEL RIO OILS LIMITED

(For Resource Management Division use only)

APPROVED

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

Date 20th September 1968

[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 (3-67)

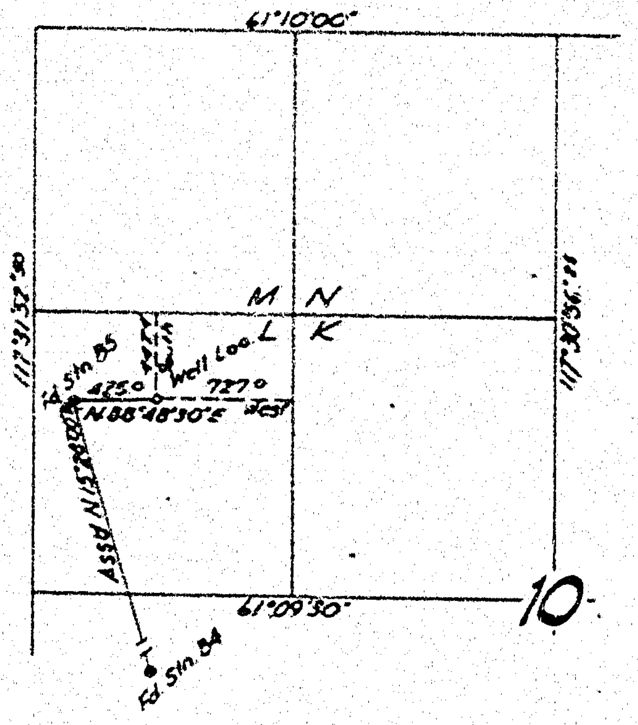
FINAL PLAN

CDR CHEVRON MILLS LAKE L-10

Unit L Section 10 Grid Area 61°10', 117°30'

Latitude 61°09'40".59 Longitude 117°31'39".19

NORTHWEST TERRITORIES



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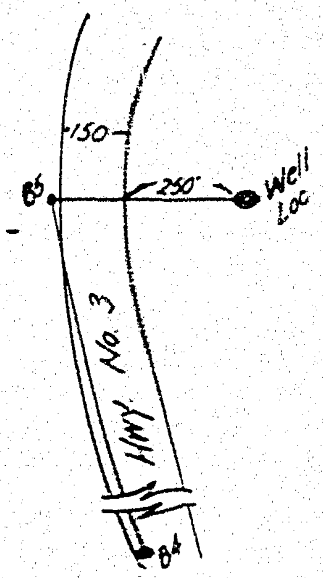


DETAIL
Scale: 400' to 1"

CO-ORDINATE TABLE				
U.T.M. Values		Scale Factor 0.9999		Ref. Mer. 117°00'
Station	Bearing	Distance	North	East
B4			22,246,300.0	-91,758.1
B5	N 15°28'00"W	6883.2	22,232,934.0	-93,593.7
Well Loc.	N 88°48'30"E	425.0	22,232,942.6	-93,168.8

Survey completed Jan. 7, 1968.
Certified Correct.

Alberta Land Surveyor

CENTRAL DEL-RIO OILS LIMITED

NOTE:
1. Distances are in feet and decimals and are check chained.
2. Survey originated from a balanced traverse between N.E. 25-139-1 W6 and Geodetic Trig. Station "McNallie."

ELEVATION: 580 Ground

DATUM: Gov't BM 66T-137
Elev: 568.2

Prepared by:
MIDWEST SURVEYS CO. LTD.

C-1152-67

Drilling Authority No. 256

Date Issued December 22, 1967

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
RESOURCE MANAGEMENT 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 CDE Chevron Mills Lake L-10

Permit No. 3909 Lease No. N/A

Chevron Standard Limited (Permittee, Licensee, Lessee) Exploratory Licence No. 1055

Central-Del Rio Oils Limited (Operator) Exploratory Licence No. 1069

Location: Unit L Section 10 Grid 61°10': 117°30'

Latitude 61°09'40.59"N Longitude 117°31'39.19"W

From Established Reference Marker Gov't B.M. 66T-137

Universal Well Location Reference Lat 61.16128°N Long. 117.52755°W

	DATE	DEPTH
Spudded	1-21-'68	0
Suspended	-	-
Resumed Operations	-	-
Finished Drilling	2-8-'68	2060
Deepened	-	-
Complete (gas/oil)	-	-
Abandoned	2-10-'68	-
Rig released	2-10-'68	-

Pool(s) -

Interval(s) open to production -

Elevation: Gr. 580 K.B. 588

Rig No. 77

Drilling Contractor Sedco Exploration Ltd.

Contractor's Business Licence No. 18187

CASING RECORD

	Casing Size (inches)	Grade	Weight	Amount	Set at —	Sacks of Cement and Additives
1.	7"	J-55	20	283.51	291.51	130 sacks + 2% $CaCl_2$
2.	Found cement 5' under surface.			Cemented with 10 sacks cement.		
3.						
4.						
5.						
6.						

GEOLOGICAL TOPS	ELEVATION		CORE RECORD					
	Depths	Sub-Sea	From	To	Rec.	From	To	Rec.
Hay River Shale	324	+264	1770	1820	50			
Mills Lake MBR	1353	-765	1820	1874	54			
Horn River Shale	1504	-916	1874	1895	22			
Bit. Limestone	1686	-1098						
Lonely Bay	1703	-1115						
Basal Keg River	1862	-1274						
Chinchaga	1893	-1305						
Green Shale	1971	-1383						
Red Beds	1987	-1399						
Granite Wash	2000	-1462						
T.D. Driller	2060	-1472						
T.D. Logs	2065	-1477						
Precambrian	2050	-1462						

LOG RECORD

Run No.	Type of Log	From	To
1	Dual Induction Laterolog	2061	292 surface pipe
1	Borehole Compensated Sonic, Gamma Ray, Caliper	2063	292'
1	Sidewall Neutron Porosity	2064	292'
1	Dipmeter	2061	292'

IAND 52-90(2) (3-67)

CEMENTING RECORD (Plug, Squeeze, etc.)

Date	From	To	Remarks
Feb. 9/68	2060	1600	130 sacks + 2% Gel
Feb. 10/68	350	Surface	80 sacks + 2% $CaCl_2$
	Cut off casing 3' below surface. Welded on ¼" plate and erected monument.		

PERFORATING RECORD (Bullet, Jet)

Date	From	To	Remarks

SERVICING RECORD (Acidizing, Fracing, etc.)

Date	From	To	Remarks

DRILL STEM TESTS

No.	Date	Formation	From	To	V.O. Mins.	I.S.I. Mins.	F.S.I. Mins.	I.S.I.B.H.P.	F.S.I.B.H.P.	I.F.B.H.P.	F.F.B.H.P.	I.H.P.	F.H.P.	REMARKS
1	1-29-68	Lonely Bay	1693	1770	60	90	90	803	790	70	86	873	855	167' drilling fluid
2	2- 3-68	Lonely Bay	1840	1895	60	90	90	832	848	230	262	909	907	420' drilling fluid
3	2- 9-68	Keg River Granite Wash	2000	2060	60	90	90	710	689	51	54	1033	1033	60' drilling fluid

ANALYSIS

Lab. No.	Sample	From	To	Source	Remarks
CBH-2-3164	Drilling Fluid	1693	1770	DST #1	MFE
				DST #2	MFE
				DST #3	MFE

PRESENT STATUS OF WELL

Oil ..... (Interval.)

Gas ..... (Interval.)

Dry X

Susp. .....

Company ..... Central-Del Rio Oils Limited

Signed by ..... J. Nicholson

Title ..... Staff Engineer

Date ..... September 17, 1968

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

File No.
Drilling Authority No. 256

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 CDR Chevron Mills Lake K-20

Location: Unit K Section 20 Grid 61°10'; 117°30'

Latitude 61°09'35" Longitude 117°33'07.8"

From Established Reference Marker Gov't B.M. 66T-137

Universal Well Location Reference Lat. 61.16527° N., Long. 117.55216° W.

Permit No. 3909 Lease No. N/A

Chevron Standard Limited
(Permittee, Licensee, Lessee)

Date of commencement of proposed program February 10, 1968

OIL, GAS, AND WATER ENCOUNTERED
(Depths)

Oil at None

Gas at None

Water at 1840 - 1895 Lonely Bay - Basal Keg River Platform

Total Depth 2060' Date of last operations February 8, 1968

Present condition of well Drilling mud in hole - 7" 20# J-55 casing set at 291.51 ft.

CASING RECORD

Casing Size O.D. Inches	Weight	Amount	Set At—	Sacks of Cement and Additives	Amount Pulled
1. 7"	20# J-55	283.51	291.51	130 sacks + 2% $CaCl_2$	None
2.				No returns - ran	
3.				10 sacks cement on	
4.				top.	
5.					

PROPOSED ABANDONMENT PROGRAM

Plug No.	Plug Position	Geological Formation	Number of Sacks of Cement	Remarks
1	2060'-1600'	Granite wash to bit. LS.	130 sacks 2% Gel	Felt at 1600
2	350' to surface	Surface pipe	80 sacks + 2% $CaCl_2$	
	Cut off surface pipe 3 feet below ground.		Welded on ¼" plate and	
	erected monument.			

The following logs have been run Dual Induction Laterolog, Borehole Compensated Sonic Log,
Other operations proposed None Sidewall Neutron Porosity Log, Continuous Dipmeter
Gamma Ray, Caliper

Operations to be carried out by Sedco Explorations Ltd. Contractor Licence No. 18187

Address 7th Floor, 630 - 6th Ave. S.W., Calgary Address

Responsible Agent in field C.H. Hodgson

Dated at Calgary, Alberta, this 10th Day of February 19 68

Signed by [signature] Company Central-Del Rio Oils Limited

Title Staff Engineer Operator's Exploratory Licence No. 1059

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.E.J. Thomas on the 10th of February 1968.

Dated 27th March, 19 68

[signature]
Oil Conservation Engineer

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

IAND 52-90 (5) (3-67)

Drilling Authority No. 286

Project No.

File No.

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
RESOURCE MANAGEMENT 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 here by made for approval to drill:—

Name and number of well CR Chevron Mills Lake K-20

Location: Unit K Section 20 Grid 61°10' : 117°30'

Latitude 61° 09' 58" Longitude 117° 33' 07.8"

From Established Reference Marker Government B.M. 86T-137

Universal Well Location Reference Lat. 61.16527° N., Long. 117.55216° W.

Elevation: Ground 580 K.B. 585 est. feet above sea-level.

Well is expected to produce from Devonian formation at a depth of about 2,200 feet. Expected total final depth 2,300

Area assigned to well

(for Oil Conservation Engineer's use only)

Permit No. 3909 Lease No. Acreage 30,920

Permittee, licensee, or lessee Chevron Standard Limited

Exploratory Licence No. 1055

Surface owned by Crown or Crown

Petroleum and natural-gas rights owned by Crown (If alienated submit name and address of owner and occupant.)

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. 7"	20	J-55	New	250	120
2. Production casing string will be dependent on well results.					
3.					
4.					
5.					

Expected water, gas, and oil horizons and type of control equipment Devonian at 2300' to be controlled by a Gel Chemical mud system of adequate hydrostatic head and blowout preventers.

Well will be drilled with Rotary Rig No. 77 by Sedco Exploration Ltd.
(Drilling Contractor or company)

Responsible agent of applicant:—

At well C.H. Hodgson Address Calgary, Alberta

Contractor's Business Licence No. 18187

At registered office W.J. Scott Address Calgary, Alberta

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

Dated at Calgary, Alberta, this 21st day of December 19 67

Signed by [signature] Company Central-Del Rio Oils Limited

Title Staff Engineer Operator's Licence No. 1059

(For Resource Management Division use only)

APPROVED

This application has been examined and 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.

Dated 22nd December 19 67

[signature]
Oil Conservation Engineer

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

IAND S2-90-1 (3-67)

Unique Well Identifier - 300N206110117300

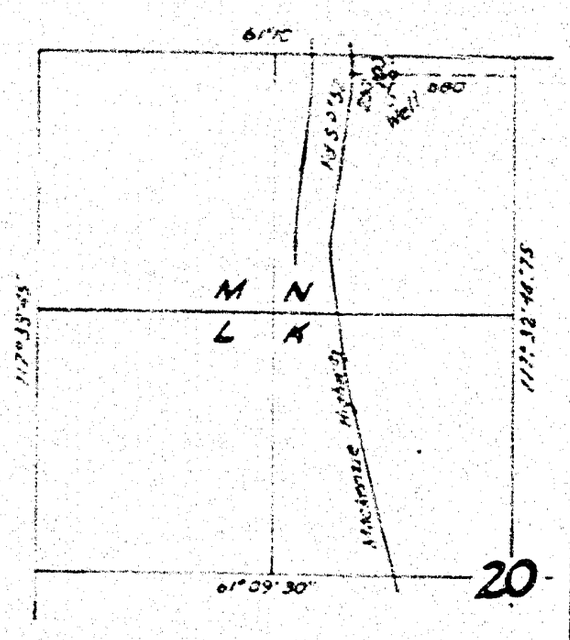
PRELIMINARY PLAN

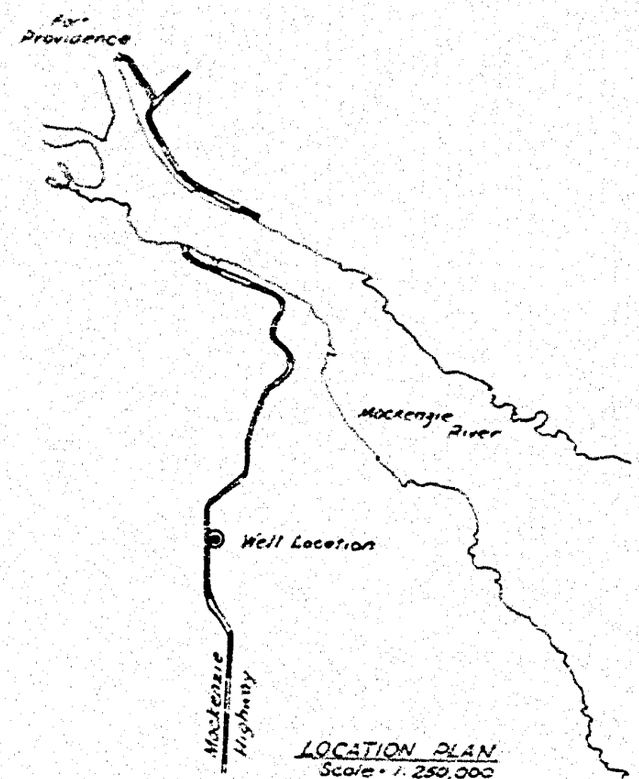
CDR CHEVRON MILLS LAKE N-20

Unit N Section 20 Grid Area 61°10'; 117°30'

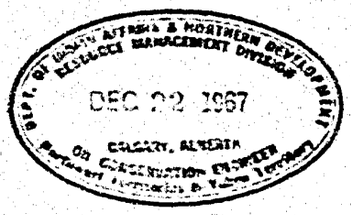
Latitude 61° 09' 55" Longitude 117° 33' 02.8"

NORTH WEST TERRITORIES





LOCATION PLAN
Scale - 1. 250,000



I certify that this plan is correct to the best of my knowledge and was completed on the 19th day of December, 1967.

Dominion and Alberta Land Surveyor

Witness

MIDWEST SURVEYS CO. LTD.

ELEVATION: 580 Ground

CO-ORDS: Well is located 100'S 680' W. of N.E cor. Unit N Sec. 20

CENTRAL-DEL RIO OILS LIMITED

Scale: 1000'-1"
Triangulation Station: △
Well Location: ◉
Survey Monuments found shown thus: ●
" " planted " " : ○
Portions referred to outlined:
Distances are in feet and decimals:

DATUM: Gov't B.M. 66T-137 Elev. 568.2

C1152-67

WELL HISTORY REPORT

on the

DRILLING, TESTING & ABANDONMENT

of

CDR Chevron Mills Lake L-10

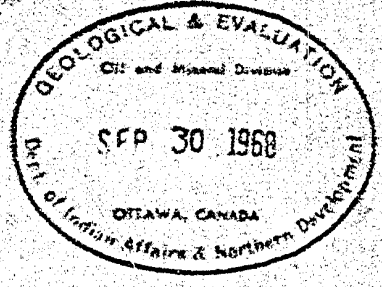
Copy #3

WELL HISTORY REPORT

on the

DRILLING, TESTING, & ABANDONMENT

of



CDR Chevron Mills Lake L-10

Location: Unit L, Section 10, Grid 61°10'N, 117°30'W
Latitude 61°09'40.54" Longitude 117°31'39.19"

Northwest Territories

CDR Chevron Mills Lake L-10

INDEX

Approved by: J M Gibson

September 17, 1968.

CDR Chevron Mills Lake L-10
Northwest Territories

Section I - Summary of Well Data

(a) Well name and number - CDR Chevron Mills Lake L-10

(b) Permittee - Chevron Standard Limited
Licencee - Central-Del Rio Oils Limited

(c) Name of Operator - Central-Del Rio Oils Limited

(d) Location - Unit L Section 10 Grid 61°10'N, 117°30'W
Latitude 61°09'40.58" Longitude 117°31'39.19"

(e) Universal Well Location Reference - Latitude 61.16128°N,
Longitude 117.52755W.

(f) Unique Well Identifier - 300L106110117300

(g) Permit No. - 3909

(h) Drilling Contractor - Sedco Exploration Ltd., Rig no. 77, Rotary

(i) Drilling Authority - Drilling Authority No. 286 issued December 22, 1967

(j) Classification - Wildcat

(k) Elevations - Ground: 580'. K.B.: 595' est. 588' actual

(l) Spudded - January 21, 1968

(m) Completed Drilling - T.D. reached 5:00 p.m. February 8, 1968

(n) Total Depth - 2060'

(o) Well Status - Dry and Abandoned

(p) Rig Released - 11:59 p.m. February 10, 1968

(q) Hole Size - 9 7/8", 0 - 298', 298' - T.D.

(r) Casing - 7", 20#, J-55, ST&C, seamless casing at 291.51' with 140 sacks cement + 2% $CaCl_2$

Section II - Geological Summary

See attached Geological Summary

GENERAL WELL DATA

WELL NAME:	CDR Chevron Mills Lake L-10
OPERATOR:	Central-Del Rio Oils Limited
LOCATION:	Unit L, Section 10, Grid 61°10'N, 117°30'W
CO-ORDINATES:	South 100 ft., West 680 ft. of N.E. Unit L, Sec. 10.
CLASSIFICATION:	Wildcat
ELEVATIONS:	Grd. Elev: 580 ft. K.B. Elev: 588 ft.
DRILLING CONTRACTOR:	Sedco Exploration, Rig #77
TOOLPUSH:	Fred Pendry
DRILLING EQUIPMENT:	Draworks: Failing 2500 (Trailer Rig) Derrick: Failing Pump: National C-150E National D-50 (standby) Motors: General Motors 471 (one bank) Drill Pipe: 3½" IF Drill Collars: (8) 4 3/4" IF B.O.P.'s: Hydril and Schaffer
SERVICE COMPANIES:	Drilling Mud: International Minerals & Chemical Corp. Cementing: Halliburton Oilwell Cementing Co. Ltd. Coring: Johnston Testers Ltd. Testing: Johnston Testers Ltd. Logging: Schlumberger of Canada
DATE SPUDDED:	January 21, 1968 (9:00 p.m.)
SURFACE CASING:	Ran 7 joints of 7", 20 lb., J-55, STaC, 8 round, short thread Mannesmann casing with 130 sacks construction cement plus 2% $CaCl_2$. Casing landed at 291.51 ft. K.B. Plug down 4:15 a.m. January 24. Found cement 5' below surface. Cemented with 10 sacks cement.
UNDER SURFACE:	January 25, 1968 (7:00 p.m.)
CHANGEOVER:	January 27, 1968 (1300 ft.)
DRILLING MUD:	IMC-Gel Chemical
CORED INTERVALS:	Core #1: 1770 - 1820 (50 ft.) Core #2: 1820 - 1874 (54 ft.) Core #3: 1874 - 1895 (21 ft.)
DRILL STEM TESTS:	DST #1: 1693 - 1770 (Lonely Bay) DST #2: 1840 - 1895 (Lonely Bay-Keg River) DST #3: 2000 - 2060 (Granite Wash)

FINISHED DRILLING: February 8, 1968 (3:00 P.M.)

TOTAL DEPTH: 2060 ft. (18 ft. into Precambrian)

HOLE SIZE: 9 7/8" surface to 298 ft.
6 1/4" 298 to 2060 ft.

SAMPLES: Central-Del Rio Oils Ltd: 10 foot samples washed, dried and bottled from surface to total depth.

Chevron Standard Ltd: 10 foot samples washed, dried and bottled from surface to total depth.

G. S. C. 10 foot samples in bags from surface to total depth.

LOGS RUN: February 8th & 9th, 1968

Schlumberger Dual-Induction Latereleg
2" scale total depth to surface casing
5" scale total depth to surface casing

Schlumberger Borehole Compensated Sonic-Gamma Ray-Caliper Log
2" scale total depth to surface casing
5" scale total depth to surface casing

Schlumberger Sidewall Neutron Porosity Log
Dual 5" scale total depth to surface casing

Schlumberger Dipmeter Survey
Total depth to surface casing

ABANDONMENT PLUGS: PLUG #1: 2060 - 1600 with 150 sacks cement plus 2% Cal

PLUG #2: 350 - surface with 80 sacks cement plus 2% $CaCl_2$. Cut casing off 3 ft. below ground level, welded on steel plate and erected monument.

RIG RELEASED: February 10, 1968 (11:59 P.M.)

STATUS: DRY AND ABANDONED

4

GEOLOGICAL MARKERS
(BSCA-C Log)

Grd. Elev: 580 ft.
K.B. Elev: 588 ft.

FORMATION	DEPTH	ELEVATION
DEVONIAN		
Hay River Shale	324	+ 264
Mills Lake Member	1353	- 765
Horn River Shale	1504	- 916
Bituminous Limestone	1686	-1098
Lonely Bay	1703	-1115
Basal Keg River Platform	1862	-1274
Chinchaga	1893	-1305
Green Shale	1971	-1383
Red Beds	1987	-1399
Granite Wash	2000	-1412
PRECAMBRIAN	2050	-1462
TOTAL DEPTH		
Driller	2060	-1472
Schlumberger	2065	-1477

SAMPLE DESCRIPTIONS
(Adjusted to BSCR-C Log)

NOTE: SAMPLES WERE UNLAGGED AND CAUGHT AT 10 FOOT INTERVALS FROM 10 TO 1500 FT.

SAMPLES WERE LAGGED 1 MINUTE PER 100 FEET AND CAUGHT AT 10 FOOT INTERVALS FROM 1500 FT. TO TOTAL DEPTH.

SURFACE HOLE SAMPLES FROM 0 - 298 ARE POSSIBLY NOT INDICATIVE OF THE FORMATION DRILLED BECAUSE WHILE DRILLING SURFACE HOLE THE SAMPLE CUTTINGS WERE CHANNELING 3 FEET BELOW GROUND LEVEL INTO THE SUMP WHERE THEY HAD TO BE CAUGHT.

0 - 298 SAND, PEBBLES AND FRAGMENTS (PEA GRAVEL)

SAND: loose, unconsolidated fine to very coarse, clear, sub-rounded to rounded quartz grains.

PEBBLES AND FRAGMENTS of varicolored Quartzites and Granite, some Hornblende, Biotite, Feldspar, angular fragments of Quartz.

Some SHALE: light grey to light greenish-grey, blocky, very calcareous, friable to soft, high clay content, silty, slightly micromicaceous.

Few chips LIMESTONE: light grey, very argillaceous, dense

298 - 324 CLAY: light greenish-grey, very silty and sandy, slightly calcareous.

PEBBLES AND FRAGMENTS: as above.

HAY RIVER SHALE 324 (+264)

324 - 970 SHALE: grey to greenish-grey to grey-green, fissile to blocky, splintery in small part, calcareous, silty, micromicaceous, soft, mushy and very bentonitic in part, some bituminous flecking, trace disseminated pyrite and pyrite nodules.

Some SHALE: brownish-grey, blocky, calcareous with bituminous flecking.

Trace grey, dense SILTSTONE and buff, dense LIMESTONE stringers.

970 - 1120 SHALE: dark grey, slightly brownish, blocky, calcareous, silty, micromicaceous, some bituminous flecking, trace pyritic.

Some SHALE: grey-green to green, fissile to blocky, splintery in small part, calcareous, micromicaceous.

Stringers of grey, microcrystalline, dense LIMESTONE and grey, dense SILTSTONE

1120 – 1185 SHALE: grey to dark grey, fissile to blocky, splintery in part, very bituminous flecked, non-calcareous, silty, micromicaceous.

SHALE: grey-green, fissile to blocky, splintery in part, calcareous, silty, micromicaceous.

Some SHALE: dark brownish-grey to black, blocky, bituminous, non-calcareous to slightly calcareous.

1185 – 1240 SHALES: as above with some LIMESTONE: light grey to grey, micro to cryptocrystalline, dense, argillaceous; no visible porosity or oil staining, no cut in chlorothene.

1240 – 1300 SHALE: dark grey, fissile to blocky, splintery in part, non-calcareous to slightly calcareous, some bituminous flecking, micromicaceous, trace disseminated pyrite.

Some SHALE: grey-green, fissile to blocky, splintery in part, calcareous, silty, micromicaceous.

Trace LIMESTONE: light grey to grey, microcrystalline, argillaceous, dense.

1300 – 1332 LIMESTONE AND SHALES

LIMESTONE: light grey to buff-grey, mottled in part, micro to cryptocrystalline, argillaceous, dense, few includions of disseminated pyrite; no visible porosity or oil staining, no cut in chlorothene.

SHALES: as above.

1332 – 1353 SHALE: dark brown, blocky, bituminous, non-calcareous, micromicaceous.

SHALE: grey to grey-green to green, fissile to splintery, blocky in part, non-calcareous to slightly calcareous, micromicaceous.

MILLS LAKE MEMBER 1353 (-765)

1353 – 1386 BITUMINOUS SHALE: dark brown, blocky, mottled in part, slightly calcareous to calcareous, micromicaceous.

Some LIMESTONE: brown to dark brown, mottled, microcrystalline, argillaceous, dense; no visible porosity or oil staining, no cut in chlorothene.

Some LIMESTONE: buff, microsucrosic to microgranular, argillaceous; no visible porosity or oil staining, no cut in chlorothene.

1386 – 1435 BITUMINOUS SHALE: dark brown, black in part, blocky, slightly calcareous, silty, micromicaceous.

Some SHALE: grey-green to green, fissile to blocky and splintery, calcareous, micromicaceous, silty.

1435 - 1504 BITUMINOUS SHALE: dark brownish-black to black, blocky, slightly calcareous, micromicaceous, silty.

Some SHALE: green, fissile to blocky and splintery, slightly calcareous, micromicaceous.

HORN RIVER SHALE 1504 (-916)

1504 - 1663 BITUMINOUS SHALE AND LIMESTONE

BITUMINOUS SHALE: dark brownish-black to black, blocky, slightly calcareous, very silty, micromicaceous, traces of calcite.

Some LIMESTONE: dark brown, buff to buff-grey and light brown in part, microcrystalline to microsucrosic, microgranular in part, cryptocrystalline in small part, very shaly, bituminous in most part, dense, trace indistinct fossil debris, very dolomitic; no visible porosity or oil staining, no cut in chlorothene.

1663 - 1686 LIMESTONE: tan to dark brown, microcrystalline to microgranular, very argillaceous, white calcite mottling, free calcite in sample tray, some calcite crystallization along smooth planes, some disseminated pyrite, pyrite crystals, fossils - trace branch stromatoporoids and crinoids otherwise indistinct; no visible porosity or oil staining, trace slight cut in chlorothene.

BITUMINOUS LIMESTONE 1686 (-1098)

1686 - 1703 BITUMINOUS LIMESTONE: dark brownish-black to black, white calcite mottling in part, microgranular, microcrystalline in part, very fossiliferous - crinoids otherwise indistinct, trace large crinoid stems free in sample tray; no visible porosity or oil staining, slight very slow streaming cut in chlorothene.

LONELY BAY 1703 (-1115)

1703 - 1770 INTERBEDDED LIMESTONES

LIMESTONE: buff to light brown, some white calcite mottling, finely crystalline, very fossiliferous - stromatoporoids, syringopore and crinoids, microgranular and slightly chalky in part, trace fragmental, isolated micro to pinpoint vugs; some banded poor to trace locally fair intercrystalline and vuggy porosity, isolated good intrafossil porosity, light to fair oil staining, good fluorescence, fair cut in chlorothene, some dark brown dead appearing oil staining and black pyrobitumen. (see DST #1)

LIMESTONE: white, microgranular to chalky, very fossiliferous-[illegible]; some locally good intrafossil porosity, some light oil staining, good fluorescence, fair cut in chlorothene (see DST #1)

1770 - 1895 DIAMOND CORED (see Core Descriptions Nos. 1, 2 & 3)

1895 - 1946 DOLOMITE AND ANHYDRITE

DOLOMITE: buff to buff-grey, tan to brown to brownish-grey, microcrystalline to microsucrosic, microgranular in part, dense, abundant colorless and brown anhydrite inclusions and infilling, appeared fossiliferous in part; no visible porosity, some dark brown to black dead appearing oil staining, no fluorescence, slight cut in chlorothene, trace live heavy appearing black oil.

ANHYDRITE: colorless to white, buff to tan, cryptocrystalline to microsucrosic, slightly dolomitic in part, very dense and hard.

1946 - 1971 DOLOMITE: cream, microcrystalline to microsucrosic, dense, abundant colorless and brown anhydrite inclusions, trace disseminated pyrite; no visible porosity or oil staining, no fluorescence, no cut in chlorothene.

Some ANHYDRITE: as above.

Some SHALE: greenish-grey to greyish-green, green in part, fissile to blocky, splintery in part, calcareous, microsicaceous.

GREEN SHALE 1971 (-1383)

1971 - 1987 SHALE: bright green, blocky, non-calcareous, trace imbedded pyrite crystals.

Trace SHALE: rust, blocky, non-calcareous.

RED BEDS 1987 (-1399)

1987 - 2000 SHALE: orange-red to rust, blocky, slightly calcareous, very silty, numerous imbedded clear quartz grains becoming sandy in part, mushy in part.

GRANITE WASH 2000 (-1412)

2000 - 2050 SANDSTONE: clear, trace pink, unconsolidated, loose fine to very coarse quartz grains, sub-angular to rounded, angular in very small part, poorly sorted; porosity inferred, no visible oil staining, no fluorescence, no cut in chlorothene (see DST #3)

Some SANDSTONE: colorless to light grey, very fine to fine grained, few very coarse imbedded quartz grains, well cemented, hard, poor sorting; no visible porosity or oil staining, no fluorescence, no cut in chlorothene.

Some very fine grained, unconsolidated SAND at base of interval.

Some irregular chips and fragments of colorless and bright orange to pink QUARTZ with black biotite flakes, feldspar and minor hornblende, mottled in part.

PRECAMBRIAN 2050 (-1462)

2050 - 2060 GRANITE: chips and fragments of clear angular quartz, pink to bright orange mottling, abundant black biotite flakes, pink to bright orange feldspar, minor hornblende, some white weathered chert.

2060 TOTAL DEPTH (Driller)

2065 TOTAL DEPTH (Schlumberger)

CORE DESCRIPTION

CORE #1: 1770 - 1820 CUT: 50 ft. RECOVERED: 50 ft.

CORING TIMES: 12, 22, 11, 17, 15, 13, 16, 14, 15, 10, 12, 11, 10, 12, 11, 10, 11, 12, 13, 10, 14, 13, 13, 12, 13, 10, 12, 13, 15, 15, 8, 8, 9, 9, 10, 10, 11, 7, 10, 6, 8, 8, 9, 9, 9, 10, 12, 11, 13, 7 mins/ft.

TOTAL CORING TIME: 10 1/4 hours.

1770.0-1777.3 (7.3') LIMESTONE: brownish-grey, very fossiliferous-coarsely crinoidal, some stromatoporoids, finely crystalline matrix, very dense and hard, stylolites; no visible porosity, trace live black heavy appearing oil bleeding from isolated vug otherwise no visible oil staining, no fluorescence, no cut in chlorothene.

1777.3-1779.3 (2.0') LIMESTONE: brownish-grey to brown, very fossiliferous-coarsely crinoidal, some stromatoporoids, finely crystalline matrix, few stylolites, some indistinct fossil debris; poor intrafossil porosity, good dark brown oil staining, good fluorescence, good cut in chlorothene, some dark brown to black dead appearing oil staining, patchy oil bleeding throughout, very water wet - sweeting water with strong sulphurous odor.

1779.3-1793.5 (14.2') LIMESTONE: brownish-grey, very fossiliferous-coarsely crinoidal, some stromatoporoids, finely crystalline matrix, very dense and hard, stylolites; trace poor intrafossil porosity (very thin banded), some dark brown patchy oil staining with good fluorescence and good cut in chlorothene (non-effective), abundant dark brown to black dead appearing oil staining, black pyrobitumen, trace pinpoint oil bleeding with associated water bleeding.

1793.5-1820.0 (26.5') LIMESTONE: grey to brownish-grey, finely crystalline, fossiliferous-crinoids, some stromatoporoids, possible brachiopod fragments, very dense and hard, stylolites, brecciated appearance in part; no visible porosity, some dark brown to black dead appearing oil staining, no fluorescence, very slight cut in chlorothene.

CORE #2: 1820 - 1874 CUT: 54 ft. RECOVERED: 54 ft.

CORING TIMES: 13, 14, 18, 14, 13, 12, 10, 11, 17, 11, 12, 12, 10, 10, 11, 12, 9, 16, 15, 14, 15, 16, 10, 10, 10, 10, 10, 8, 13, 13, 10, 12, 11, 11, 12, 10, 6, 9, 9, 12, 7, 5, 5, 5, 7, 10, 10, 11, 17, 13, 12, 11, 7, 9, mins./ft.

TOTAL CORING TIME: 11 1/2 hours.

1820.0-1839.0 (19.0') LIMESTONE: grey to brownish-grey, finely crystalline, crinoids and stromatoporoids, very dense and hard, brecciated appearance in part, abundant stylolites; little visible to isolated poor porosity, scattered patchy oil staining with fair fluorescence and fair cut in chlorothene, abundant dark brown to black dead appearing oil staining, black pyrobitumen, some isolated pinpoint oil bleeding (non-effective).

1839.0-1841.1 (2.1') LIMESTONE: dark grey to dark brownish grey, micro to finely crystalline, very dense and hard, brecciated appearance in part, stylolites; no visible porosity, abundant dark brown to black dead appearing oil staining with trace fluorescense and trace cut in chlorothene.

1841.1-1842.4 (1.3') LIMESTONE: grey, micro to finely crystalline, very dense and hard, stylolites; little to no visible porosity, trace patchy oil staining with fair fluorescense and good cut in chlorothene, abundant dark brown to black dead appearing oil staining, trace pinpoint oil bleeding.

1842.4-1847.2 (4.8') LIMESTONE: brownish-grey, finely crystalline, micro to cryptocrystalline in part, trace crinoid ossicles, trace whole brachiopods, isolated microvugs, abundant stylolites; some poor isolated microvuggy porosity (non-effective), some good patchy oil staining throughout with good fluorescense and good cut in chlorothene, some pinpoint to spotty gassy oil bleeding throughout, appeared to be bleeding water inconjunction with oil bleeding, sulphurous odor, few 1" hairline vertical fractures bleeding oil.

1847.2-1848.5 (1.3') LIMESTONE: dark brown, microcrystalline, few stylolites; poor intercrystalline porosity, good dark brown oil staining with good fluorescense and good cut in chlorothene, heavy gassy oil bleeding throughout on fresh surfece, appeared to be bleeding water in-conjunction with oil, sulphurous odor, slight salty taste (see DST #2)

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1848.5-1850.8 (2.3') LIMESTONE: brownish-grey, algal-oolitic with micro to cryptocrystalline matrix, very dense and hard, few stylolites, few black shale laminae; no visible porosity, some dark brown dead appearing oil staining, black pyrobitumen.

1850.8-1852.7 (1.9') LIMESTONE: brownish-grey, finely crystalline; poor intercrystalline porosity, good oil staining throughout with good fluorescence and good cut in chlorothene, heavy greasy oil bleeding throughout, greasy odor, few 3" hairline vertical fractures bleeding oil (see DST #2)

1852.7-1854.3 (1.6') LIMESTONE: grey to brownish-grey, algal-oolitic with micro to finely crystalline matrix, very dense and hard, few stylolites; no visible porosity, some dead appearing oil staining, no fluorescence, very slight cut in chlorothene.

1854.3-1856.3 (2.0') LIMESTONE: brownish-grey, micro to finely crystalline, dolomitic in part, very dense and hard, some black shale laminae; no visible porosity, some oil staining with poor fluorescence and fair cut in chlorothene, few 3" hairline vertical fractures with good oil staining and trace live oil bleeding along fracture planes (see DST #2)

1856.3-1859.3 (3.0') LIMESTONE: tan to brown, microcrystalline to slightly microgranular, dolomitic, stylolites, abundant dark grey to black wavy shale laminae; some poor intercrystalline porosity, good patchy oil staining with poor fluorescence and good cut in chlorothene, black pyrobitumen, very water wet - seeping water with slight salty taste.

1859.3-1861.5 (2.2') LIMESTONE: brownish-grey to dark brownish-grey, micro to cryptocrystalline, sub-lithographic in part, very dense and hard, abundant black shale laminae; no visible porosity, some oil staining with poor fluorescence and fair cut in chlorothene, open vertically fractured (induced) in top 9" with live heavy appearing black oil along fracture planes.

CORE TOP FOR BASAL KEG RIVER PLATFORM 1861.5 (-1274)
LOG TOP FOR BASAL KEG RIVER PLATFORM 1862.0 (-1274)

1861.5-1866.3 (4.8') DOLOMITE: buff to brown, microsucrosic to microgranular, few isolated microvugs, colorless anhydrite infilling; poor to trace locally fair intercrystalline and microvuggy porosity, fair to good patchy oil staining with fair fluorescence and fair cut in chlorothene, some pinpoint and spotty oil bleeding throughout, appeared water wet in places with slight salty taste (see DST #2)

1866.3-1868.0 (1.7') DOLOMITE: tan-grey, micro to cryptocrystalline, very dense and hard, few dark grey to black wavy shale laminae, some colorless anhydrite infilling, possible fossils (indistinct); no visible porosity or oil staining, no fluorescence or cut.

1868.0-1871.5 (3.5') DOLOMITE: brownish-grey, finely crystalline, very dense and hard, some colorless anhydrite infilling, abundant black shale laminae; no visible porosity or oil staining, no fluorescence or cut.

1871.5-1874.0 (2.5') DOLOMITE: dark brownish-grey, microcrystalline, very dense and hard, abundant black shale laminae; no visible porosity or oil staining, no fluorescence or cut, appeared water wet in places - sweeting water.

CORE #3: 1874 - 1895 CUT: 21 ft. RECOVERED: 22 ft.

CORING TIMES: 13, 15, 18, 13, 10, 10, 6, 10, 11, 10, 13, 9, 8, 10, 11, 16, 14, 11, 9, 24, 26 mins./ft.

TOTAL CORING TIME: 5 hours

1874.0-1875.2 (1.2') DOLOMITE: grey, microsucrosic to microgranular, some colorless anhydrite infilling, some dark grey to black shale laminae; little visible to poor intergranular porosity, no visible oil staining, no fluorescense, no cut in chlorothene, very water wet - sweeting water with slight salty taste.

1875.2-1877.0 (1.8') DOLOMITE: brownish-grey, microsucrosic to microgranular, trace isolated microvugs, abundant black shale laminae, some colorless anhydrite infilling; little visible to very poor isolated microvuggy porosity, some oil staining with little to no fluorescense, good cut in chlorothene, black pyrobitumen, water wet - sweeting water.

1877.0-1878.0 (1.0') ANHYDRITE: brownish and bluish-grey, cryptocrystalline to microsucrosic, dolomitic, very dense and hard.

1878.0-1880.3 (2.3') DOLOMITE: grey, dark grey mottling in part, microgranular to earthy, some colorless anhydrite infilling, colorless anhydrite inclusions at top, few very thin black shale bands, brecciated appearance in top 3"; little visible to trace poor porosity, no visible oil staining, no fluorescense, no cut in chlorothene, black pyrobitumen.

1880.3-1885.1 (4.8') DOLOMITE: brownish-grey, microgranular, dark grey to black shale laminae, colorless anhydrite infilling and inclusions; poor intergranular porosity, some patchy oil staining with little fluorescense, poor to fair cut in chlorothene, very water wet - heavy water sweeting with salty taste.

1885.1-1885.9 (0.8') DOLOMITE: brown, microgranular, marly, microvugs; fair to locally good intergranular and microvuggy porosity, good patchy oil staining, fair fluorescense, good cut in chlorothene, trace live heavy appearing black oil, water wet - sweeting water with slight sulphurous odor (see DST #2)

1885.9-1889.7 (3.8')

DOLOMITE: dark brown to dark brownish-grey, microgranular to finely crystalline, microvugs near top, some black shale laminae, stylolite at base, some colorless anhydrite infilling; poor to locally fair to good intergranular porosity and some isolated microvuggy porosity - decreasing towards base, good oil staining with fair fluorescence and good cut in chlorothene, some pinpoint oil bleeding on fresh surface, appeared water wet - sweeting water in places with slight salty taste (see DST #2)

1889.7-1892.8 (3.1')

DOLOMITE AND ANHYDRITE

DOLOMITE: brownish-grey, microcrystalline, fossiliferous-possible algal-oolitic (indistinct), abundant colorless anhydrite infilling and inclusions which appeared to replace original vuggy or intrafossil porosity; no visible porosity or oil staining, no fluorescence or cut.

ANHYDRITE: brownish and bluish-grey, cryptocrystalline to microsucrosic, dolomitic, very dense and hard.

LOG TOP FOR CHINCHAGA 1893 (-1305)

1892.8-1894.1 (1.3')

DOLOMITE: grey, dark grey mottling, micro to cryptocrystalline, very dense and hard, brecciated appearance at base; no visible porosity or oil staining, no fluorescence or cut.

1894.1-1896.0 (1.9')

DOLOMITE AND ANHYDRITE

DOLOMITE: brownish-grey, microcrystalline to microgranular, appeared fossiliferous in part - possible algal-oolitic (indistinct), colorless and brown anhydrite infilling, abundant black shale laminae; little to no visible porosity, patchy dark brown dead appearing oil staining, no fluorescence, poor cut in chlorothene, black pyrobitumen.

ANHYDRITE: brownish and bluish-grey, cryptocrystalline to microsucrosic, dolomitic, very dense and hard.

1896.0-2060.0 (164.0')

DRILLED (see Sample Descriptions)

2060

TOTAL DEPTH (Driller)

2065

TOTAL DEPTH (Schlumberger)

DRILL STEM TESTS

DST #1: 1693 - 1770 (bottom hole) 1/2 inch choke.

ZONE TESTED: DEVONIAN - LONELY BAY

ISI 90 mins., VO 60 mins., FSI 90 mins.

No preflow description - testing head froze off very weak air blow holding steady throughout flow period. No gas indications.

RECOVERY: 167 ft. drilling mud.

Field
PRESSURES: ISIP 792 HP 880-855 FP 44-66 FSIP 781

REMARKS:

- Ram Johnston RFE tool - dual packers, safety joint, jars and pump-out sub.
- Charts normal
- Mud: Viscosity: 50
  Weight: 9.5
  Water Loss: 5.0

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DST #2: 1840 - 1895 (bottom hole) 1/2 inch choke.

ZONE TESTED: LONELY BAY - BASAL KEC RIVER PLATFORM

Preflow: 5 minutes

ISI 90 mins., VO 60 mins., FSI 90 mins.

Weak initial puff, weak air blow throughout flow period. No gas indications.

RECOVERY: 420 ft. drilling mud.

Field
PRESSURES: ISIP 880 HP 913-902 FP 220-242 FSIP 847
BHT 88° F

REMARKS:

- Ran Johnston MFE tool - dual packers, safety joint, jars and pump-out sub.
- Charts normal
- MFE Chamber: 1500 cc. very slightly oil-flecked watery mud
  40 lbs. pressure
  No gas indications.
- Mud: Viscosity: 54
  Weight: 9.3
  Water Loss: 5.2

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DST #3: 2000 - 2060 (bottom hole) 1/2 inch choke.

ZONE TESTED: GRANITE WASH

Preflow: 5 minutes

ISI 90 mins., VO 60 mins., FSI 90 mins.

Very weak air blow on preflow, very weak air blow dying in 15 minutes during flow period. No gas indications.

RECOVERY: 60 ft. drilling mud.

Field

PRESSURES: ISIP 715 HP 1034-1034 FP 33-33 FSIP 682
BHT 98°F

REMARKS: Test satisfactory

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BIT RECORD

RUN	TYPE	SIZE	OUT	FEET	HOURS	WEIGHT	RPM	PUMP PRESSURE
1A	OSC3	9 7/8"	298	298	17 1/4	5,000	120	150
1	OSC3	6 1/4"	985	689	14 3/4	6,000	150	250
2	OSCIGJ	6 1/4"	1472	487	19	6-10,000	150	450
3	OSCIG	6 1/4"	1756	284	19 1/4	10,000	150	300
4	OSCIG	6 1/4"	1770	14	3/4	10,000	165	300
1C	Diamond	6 3/16"	1820	50	10 1/4	8,000	80	650
2C	Diamond	6 3/16"	1874	54	11 1/2	8,000	80	700
3C	Diamond	6 3/16"	1895	21	5	8,000	80	600
5RR	OSCIG(ream)	6 1/4"	1895	125	1 3/4	4,000	180	300
	(drill)	6 1/4"	1926	31	5 1/4	12,000	120	300
6	M7	6 1/4"	2020	94	11 1/4	10,000	120	300
7	YSIG	6 1/4"	2060	40	6 3/4	15,000	70	400

MUD RECORD

DATE	DEPTH	TYPE	WT.	VIS.	WATER LOSS	PH	FILTER CAKE
Jan.21/68	37	water	8.7	30	-	-	-
Jan.22/68	115	water	8.7	32	-	-	-
Jan.23/68	283	water	9.2	44	-	-	-
Jan.24/68	298	water	9.2	35	-	-	-
Jan.26/68	909	water	8.5	28	-	-	-
Jan.27/68	1207	water	8.6	28	-	-	-
Jan.28/68	1485	Gel-Chem	9.0	37	7.3	9.0	2/32
Jan.29/68	1756	Gel-Chem	9.0	50	5.0	9.0	2/32
Jan.30/68	1770	Gel-Chem	9.5	68	5.2	9.5	2/32
Jan.31/68	1799	Gel-Chem	9.4	34	5.8	9.0	2/32
Feb.1/68	1840	Gel-Chem	9.2	80	4.6	11.5	2/32
Feb.2/68	1895	Gel-Chem	9.3	64	5.2	11.5	2/32
Feb.3/68	1926	Gel-Chem	9.2	53	5.6	9.0	2/32
Feb.4/68	1926	Gel-Chem	9.3	60	6.0	9.0	2/32
Feb.5/68	2017	Gel-Chem	9.3	60	6.0	9.0	2/32
Feb.6/68	2020	Gel-Chem	9.6	45	8.5	8.5	2/32
Feb.7/68	2020	Gel-Chem	9.6	85	6.5	10.5	2/32
Feb.8/68	2020	Gel-Chem	9.6	80	6.7	10.5	2/32
Feb.9/68	2060	Gel-Chem	9.5	88	3.3	10.5	2/32

DEVIATION SURVEYS

DEPTH	NUMBER OF DEGREES
30	1/2
66	1/4
95	1/2
158	8
236	1
283	1/2
789	7
820	7
850	7
970	6 3/4
985	7
1058	6 1/2
1119	7
1207	6 1/4
1268	6
1325	5 1/4
1386	4 3/4
1446	4 1/4
1506	4 1/4
1565	4
1714	3 1/4
1756	4
2060	3 1/2

Section III - Engineering Summary

(a) Report on Drill Stem Tests

Drill Stem Test #1: From 1693' to 1770'. Well depth 1770'. Preflow 5 min. Initial shut in 90 min. Valve open 60 min. Final shut in 90 min. Description of blow: Preflow - testing head, froze off. No preflow description. Valve open. Very weak air blow, steady throughout test. Gas details - nil. Fluid recovery: 167' drilling mud.
Field pressures:

I.H.P.	880	F.H.P.	858
I.S.I.P.	792	F.S.I.P.	781
I.F.P.	44	F.F.P.	66

Mud viscosity 50. Weight 9.5. Water Loss 5.0. B.H.T. - Thermometer broken.

Drill Stem Test #2: From 1840' to 1895'. Well depth 1395'. Preflow 5 min. Initial shut in 90 min. Valve open 60 min. Final shut in 90 min. Description of preflow: Weak air blow. Valve open. Weak air blow throughout test. Gas details - nil. Fluid recovery: 420' drilling mud. 1500 c.c. slightly oil flecked watery mud at 40 lbs. pressure in chamber. Viscosity 64. Weight 9.3. Water loss 5.2.
Field pressures:

I.H.P.	913	F.H.P.	902
I.S.I.P.	880	F.S.I.P.	847
I.F.P.	220	F.F.P.	242

Drill Stem Test #3: From 2000' to 2060'. Well depth 2060'. Preflow 5 min. Initial shut in 90 min. Valve open 60 min. Final shut in 90 min. Preflow description: Very weak air blow. Valve open. Very weak, dead in 15 min. Gas details - nil. Fluid recovery: 60' drilling mud.
Field pressures:

I.H.P.	1034	F.H.P.	1034
I.S.I.P.	715	F.S.I.P.	682
I.F.P.	33	F.F.P.	33

B.H.T. 98°. Mud viscosity 38. Weight 9.5. Water Loss 3.3.

(b) Casing Record

T.D. 298'. Ran 7 joints 7", 20 lb., J-55, ST&C, seamless casing. Float shoe at 291.51' K.B. Float collar at 249.76'. K.B. 2 centralizers - middle of shoe joint and over collar on fourth joint. Cemented with 130 sacks construction cement plus 2% $CaCl_2$. Plug down at 4:15 a.m. January 24, 1968, displaced with water. Bumped plug with 500 pounds, float held. No cement returns. Cleaned out cellar and found cement 5 feet below cellar. Cemented with 10 sacks cement. Installed casing clamp in cellar.

(c) Bit Record

Bit No.					
	1A	9 7/8"	OSC3	0' - 298'	
	1	6 1/4"	OSC3	298' - 985'	
	2	6 1/4"	OSCIGJ	985' - 1472'	
	3	6 1/4"	OSCIG	1472' - 1756'	
	4	6 1/4"	OSCIG	1756' - 1770'	pulled to test
	1	6 3/16"	Diamond	1770' - 1895'	core #1,2,3
	4 rerun	6 1/4"	OSCIG	1895' - 1926'	dropped kelly
	5	6 1/4"	W7	1926' - 2020'	
	6	6 1/4"	YSIR	New, dropped bit and 8 D. collars, and pick up sub	
	7	6 1/4"	YSIR	2020' - 2060' T.D.	

(d) Mud Report

Surface hole Gel-lime mud, water from under surface to 1300'. 1300' to T.D. (2060') used gel peltex and caustic C.M.C. to control water loss from 9.0 to 3.3. Viscosity from 35 to 58 for coring and testing and logging.

(e) Deviation Record

Depth Feet	Deflection Degrees
30'	1/2°
66'	1/4°
95'	1/2
150'	0
236'	1
283'	1/2
789'	7
820'	7
850'	7
909'	7
970'	6 3/4
985'	7
1058'	6 1/2
1119'	7
1207'	6 1/4
1268'	6
1325'	5 1/4
1386'	4 3/4
1446'	4 1/4
1506'	4 1/4
1565'	4
1714'	3 1/4
1756'	4
2060'	3 1/2

(f) Abandonment Plugs

Plug No. 1: From T.D. (2060') to 1600'. 130 sax cement 2% gel. Not felt.

Plug No. 2: From 350' to surface. 80 sax cement 2% calcium chloride cemented to surface. Cut casing 3 ft. below ground level. Welded plate on top of casing and erected name and number monument.

(g) Lost Circulation Zones

None

(h) Report of Blowouts

None

Section IV - Logs

Refer to pocket in back of book.

Section V - Analysis

(a) Core Analysis

None

(b) Water Analysis

None

(c) Gas Analysis

None

(d) Chemical Analysis June 21/68 CBH-2-3164

Section VI - Completion Summary

Not applicable.

C. H. Hodgson
Drilling Supervisor

CHH/mei

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JOHNSTON TESTERS

TEST DATA

Formation: Leduc Bay Zone Thickness Ft

Interval 1693 To 1770 TD 1770

Type of Test: OPEN HOLE, BOTTOM HOLE

Time Started in Hole	1930	Hrs	Tool Opened	2135	Hrs
First Flow	5	Min.	Shut In	90	Min.
Second Flow	60	Min.	Second Shut In		Min.
Third Flow		Min.	Final Shut In	90	Min.
Pulled Loose At	0140	Hrs.	Out of Hole	0400	Hrs.
Wt. Set on Packers	18,000	#	Pulled Loose Wt	20,000	#

Description of Blow During Test

VERY WEAK BLOW THROUGHOUT TEST.

FLUID RECOVERY

Was Test Reverse Circulated Yes X No

Total Fluid Recovered 167 Ft

Description of Fluid Recovered

167' DRILLING FLUID

GAS BLOW MEASUREMENT

Measured With ID Riser

Type of Instrument

Time	Size Choke	Reading Inches	Cubic Feet/Day

REMARKS: TEST SATISFACTORY

TOOL SEQUENCE

Tool	Length	OD
SUB.	1.45	
F.O. SUB.	.80	
D.P. SUB.	.85	
MFE TOOL	10.00	
BYPASS TOOL	3.55	
JARS	6.85	
SAFETY JOINT	1.70	
SAFETY SEAL	4.40	
PACKERS (2)	8.90	
TOTAL	38.50	
STUB.	.60	
PERF.	12.00	
RECORDERS (2)	8.80	
SUB.	1.35	
D.C.	52.76	
B.N. & PERF.	1.65	
TOTAL INTERVAL	77.16	

TOTAL LENGTH 115.66

Elevation NOT REPORTED

Bottom Hole Choke Size 1/2"

Fluid Cushion Type Amt.

MUD AND HOLE DATA

Mud Type GYP. W.L. 5.0

Filter Cake 2/32 Visc. 50 Wt. 9.6

Time Taken

Contractor SEDCO DRILLING Rig No. 77

Drill Pipe Size 3-1/2" IF

Drill Collar Size 2" ID Length 219'

Main Hole Size 6-1/4"

Rat Hole Size

District HIGH LEVEL Ticket No. D-00283 Date JANUARY 29, 1968 Test No. 1 J.T.L. No. 1

Company CENTRAL-DEL RIO OILS LIMITED Address 3RD FLOOR 736 - 8TH AVE S.W. CALGARY, ALBERTA

Well Name CDR CHEVRON MILLS LAKE

Number C-70 Field WILDCAT Province ALBERTA

Formation and Interval 1693-1770 DST#1 Co. Rep. C. HOBSON Technician L. PERSSON

Distribution of Reports 6 -- CALGARY 1 -- DATA CENTER (ENCLOSED)

PRESSURE DATA

INSTRUMENT No.		AK1-2085	AK1-2594			
CAPACITY (psig)		4400	4450			
INSTRUMENT DEPTH		1705	1709			
INSTRUMENT OPENING		OUTSIDE	OUTSIDE			
PRESSURE GRADIENT psi/FT						
WELL TEMP. °F						
INITIAL HYDROSTATIC	A	870#	873#			
FIRST FLOW	B	49#	57#			
	B1	53#	59#			
INITIAL SHUT-IN	C	799#	803#			
SECOND FLOW	D	65#	70#			
	D1	81#	86#			
SECOND SHUT-IN	E					
THIRD FLOW	F					
FINAL SHUT-IN	G	789#	790#			
FINAL HYDROSTATIC	H	853#	855#			

FIELD REPORT No. D-00283

TIME DATA

	TIME GIVEN	TIME COMPUTED
	MINS	MINS
	MINS	MINS
	MINS	MINS
	MINS	MINS
	MINS	MINS
	MINS	MINS
CLOCK TRAVEL		IN/MIN.

REMARKS:

PRESSURE INCREMENTS

POINT MINUTES	PRESSURE	$\frac{T + \Delta T}{\Delta T}$	POINT MINUTES	PRESSURE	$\frac{T + \Delta T}{\Delta T}$	POINT MINUTES	PRESSURE	$\frac{T + \Delta T}{\Delta T}$

JOHNSTON TESTERS

FLUID SAMPLE REPORT

Date JANUARY 29, 1968 Field Report No. D-00283

Company CENTRAL-DEL RIO OILS LIMITED

3RD FLOOR, 736 - 8TH AVENUE S.W. CALGARY

Well CDR CHEVRON MILLS LAKE L-10 Field WILDCAT

District HIGH LEVEL Province ALBERTA

Test Interval 1593 To 1770 Test No. 1

Type of Test OPEN HOLE, BOTTOM HOLE Recovery Description

167' DRILLING FLUID

Bot. Hole Temp. _____ °F.

Recorded Pressures: ISI 803 psig.
SSI _____ psig.
FF 86 psig.
FSI 790 psig.

SAMPLE UNIT

Sample No. 030-1 Type MFE Volume 2500 cc Depth 1658 ft.

Sample Drained: ☒ On Location ☐ Service Center ☐ Other _____

☐ Laboratory-Name _____
Address _____

Sample Pressure _____ psig. at Surface

Recovery:
Cu. Ft. Gas _____
cc. Oil _____
cc. Water 1500
cc. Mud 700
Total Liquid cc. 2200

Gravity _____ API @ _____ °F.
Gas/Oil Ratio _____

RESISTIVITY

Recovery Water _____ @ _____ °F.
Mud Pit sample filtrate _____ @ _____ °F.

CHLORIDE CONTENT

90,000 ppm.
SALT CONTENT 140,400 ppm.

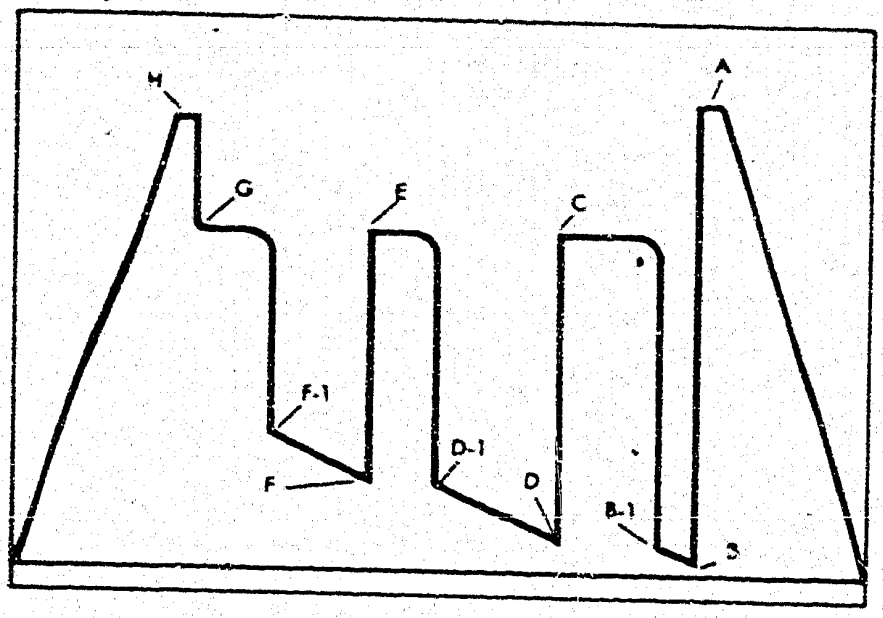
REMARKS

*Shut-in Pressure did not reach static reservoir pressure.

JTL-1 & 2-13A

JOHNSTON TESTERS

GUIDE TO IDENTIFICATION OF DRILL STEM TEST PRESSURE CHARTS



A. Initial Hyd. Mud
B. First Flow
C. Initial Shut-In
D. Second Flow
E. Second Shut-In
F. Third Flow
G. Final Shut-In
H. Final Hyd. Mud

The following points are either fluctuating pressures or points indicating other packer settings (testing different zones).

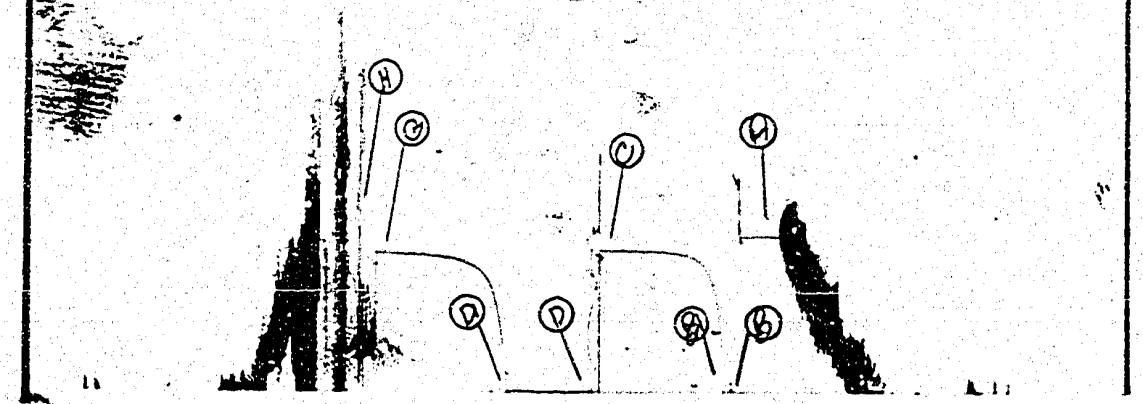
A-1, A-2, A-3, etc. Initial Hyd. Pressures
B, B-1, Initial Flow Pressures
C, Initial Shut-In
D-1, D-2, D-3, etc. Second Flow Pressures
E, Second Shut-In
F, F-1, F-2, Third Flow Pressures
G, Final Shut-In
H, Final Hyd. Pressures
Z — Special pressure points such as pumping pressures recorded for formation breakdown.

JOHNSTON TESTERS

FIELD REPORT NO.	RECORDER NO.	CAPACITY	REPORTS REQUESTED
D-00283	AK1-2085	~~4400~~	7

Rec

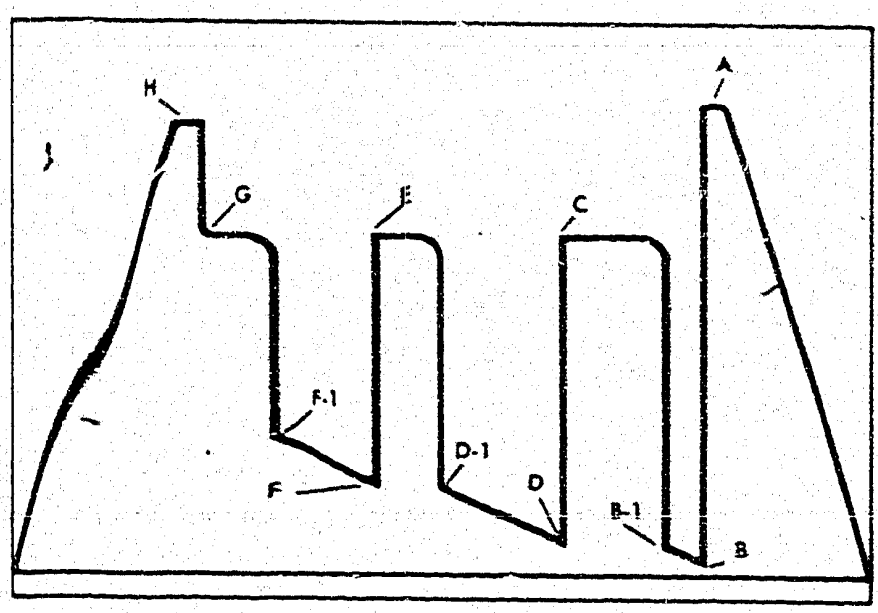
D0283-AK1-2085



JTL-1 ● -13A

JOHNSTON TESTERS

GUIDE TO IDENTIFICATION OF DRILL STEM TEST PRESSURE CHARTS



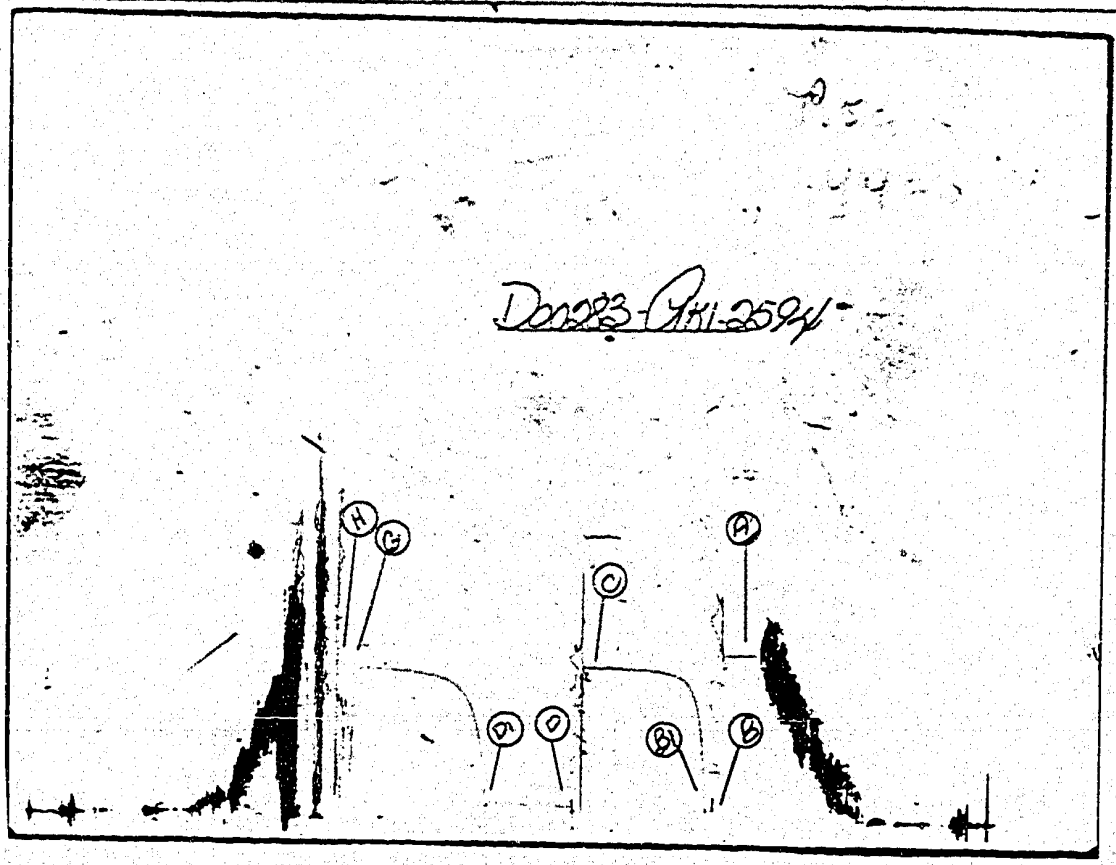
A. Initial Hyd. Mud
B. First Flow
C. Initial Shut-In
D. Second Flow
E. Second Shut-In
F. Third Flow
G. Final Shut-In
H. Final Hyd. Mud

The following points are either fluctuating pressures or points indicating other packer settings (testing different zones).

A-1, A-2, A-3, etc. Initial Hyd. Pressures
B, B-1, Initial Flow Pressures
C, Initial Shut-In
D-1, D-2, D-3, etc. Second Flow Pressures
E, Second Shut-In
F, F-1, F-2. Third Flow Pressures
G, Final Shut-In
H, Final Hyd. Pressures
Z — Special pressure points such as pumping pressures recorded for formation breakdown.

JOHNSTON TESTERS

FIELD REPORT NO.	RECORDER NO.	CAPACITY	REPORTS REQUESTED
D-00283	AK1-2594	4450	7



JOHNSTON TESTERS

TEST DATA

Formation [illegible] KEG RIVER		Zone Thickness	Ft.
Interval 1840	To 1895	T.D. 1895	
Type of Test	OPEN HOLE, BOTTOM HOLE		
Time Started in Hole	1930 Hrs	Tool Opened	2215 Hrs.
First Flow	5 Min.	Shut In	90 Min.
Second Flow	60 Min.	Second Shut In	Min.
Third Flow	Min.	Final Shut In	90 Min.
Pulled Loose at	0220 Hrs	Out of Hole	0930 Hrs.
Wt. Set on Packers	26,000 #	Pulled Loose Wt.	15,000 #

Description of Blow During Test

WEAK BLOW THROUGHOUT TEST

FLUID RECOVERY

Was Test Reverse Circulated Yes X No ☐

Total Fluid Recovered 420' Ft.

Description of Fluid Recovered

420' DRILLING FLUID

GAS BLOW MEASUREMENT

Measured With I.D. Riser

Type of Instrument

Time	Size, Choke	Reading Inches	Cubic Feet/Day

REMARKS: TEST SATISFACTORY

TOOL SEQUENCE

Tool	Length	O.D.
SUB.	1.45	
P.O. SUB.	.80	
D.P. SUB.	.85	
MFE TOOL	10.00	
BYPASS TOOL	3.55	
JARS	6.90	
SAFETY JOINT	1.70	
SAFETY SEAL	4.40	
PACKERS (2)	8.90	
TOTAL	38.55	
STUB.	.60	
RECORDERS (2)	8.80	
PERF.	44.30	
B.N. & PERF.	1.65	
TOTAL INTERVAL		
TOTAL LENGTH	55.35	

Elevation NOT REPORTED

Bottom Hole Choke Size 1/2"

Fluid Cushion Type Amt.

MUD AND HOLE DATA

Mud Type GYP. W.L. 5.8

Filter Cake 2/32 Visc. 45 Wt. 9.3

Time Taken

Contractor SEDCO DRILLING Rig No. 77

Drill Pipe Size 3-1/2" IF

Drill Collar Size 2" ID Length 219'

Main Hole Size 6-1/4"

Rat Hole Size 6-3/16"

District HIGH LEVEL Ticket No. D-00288 Date FEBRUARY 3, 1968 Test No. 2 J.T.L. No. 2

Company CENTRAL-DEL RIO OILS LIMITED

Address 736 - 8TH AVENUE S.W. CALGARY, ALBERTA

Well Name CDR CHEVRON MILLS LAKE

Number L-10

Field WILDCAT Province ALBERTA

Formation and Interval 1840-1895 DST#2

Co. Rep. C. HODGSON

Technician L. PERSSON

Distribution of Reports 6 -- CALGARY 1 -- DATA CENTER(ENCLOSED)

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JOHNSTON TESTERS

PRESSURE DATA

INSTRUMENT No.		AK1-2594	AK1-2085		
CAPACITY (psig)		4450	4400		
INSTRUMENT DEPTH		1853	1857		
INSTRUMENT OPENING		OUTSIDE	OUTSIDE		
PRESSURE GRADIENT psi/FT					
WELL TEMP. °F.		88°	88°		
INITIAL HYDROSTATIC	A	906#	909#		
FIRST FLOW	B	180#	181#		
	B1	187#	188#		
INITIAL SHUT-IN	C	878#	882#		
SECOND FLOW	D	227#	230#		
	D1	261#	262#		
SECOND SHUT-IN	E				
THIRD FLOW	F				
FINAL SHUT-IN	G	845#	848#		
FINAL HYDROSTATIC	H	902#	907#		

FIELD REPORT No. D-00288

TIME DATA

	TIME GIVEN	TIME COMPUTED
	MINS	MINS
	MINS	MINS
	MINS	MINS
	MINS	MINS
	MINS	MINS
	MINS	MINS
CLOCK TRAVEL		IN/MIN.

REMARKS:

PRESSURE INCREMENTS

POINT MINUTES	PRESSURE	$\frac{T + \Delta T}{\Delta T}$	POINT MINUTES	PRESSURE	$\frac{T + \Delta T}{\Delta T}$	POINT MINUTES	PRESSURE	$\frac{T + \Delta T}{\Delta T}$

JOHNSTON TESTERS

FLUID SAMPLE REPORT

Date FEBRUARY 3, 1968 Field Report No. D-00288

Company CENTRAL-DEL RIO OILS LIMITED

736 - 8TH AVENUE S.W. CALGARY

Well CDR CHEVRON MILLS LAKE L-10 Field WILDCAT

District HIGH LEVEL Province ALBERTA

Test Interval 1640 To 1695 Test No. 2

Type of Test OPEN HOLE, BOTTOM HOLE Recovery Description 420' DRILLING FLUID

Bot. Hole Temp. 88 F.

Recorded Pressures: ISI 882 psig.
SSI _____ psig.
FF 262 psig.
FSI 848 psig.

SAMPLE UNIT

Sample No. 030-2 Type MFE Volume 2500 cc Depth 1802 ft.

Sample Drained: ☒ On Location ☐ Service Center ☐ Other _____

☐ Laboratory-Name _____
Address _____

Sample Pressure 40 psig. at Surface

Recovery: Cu. Ft. Gas _____
cc. Oil _____
cc. Water 200
cc. Mud 1300
Total Liquid cc. 1500

Gravity _____ API @ _____ °F.
Gas/Oil Ratio _____

RESISTIVITY

Recovery Water _____ @ _____ °F.
Mud Pit sample filtrate _____ @ _____ °F.

CHLORIDE CONTENT

_____ ppm.
_____ ppm.

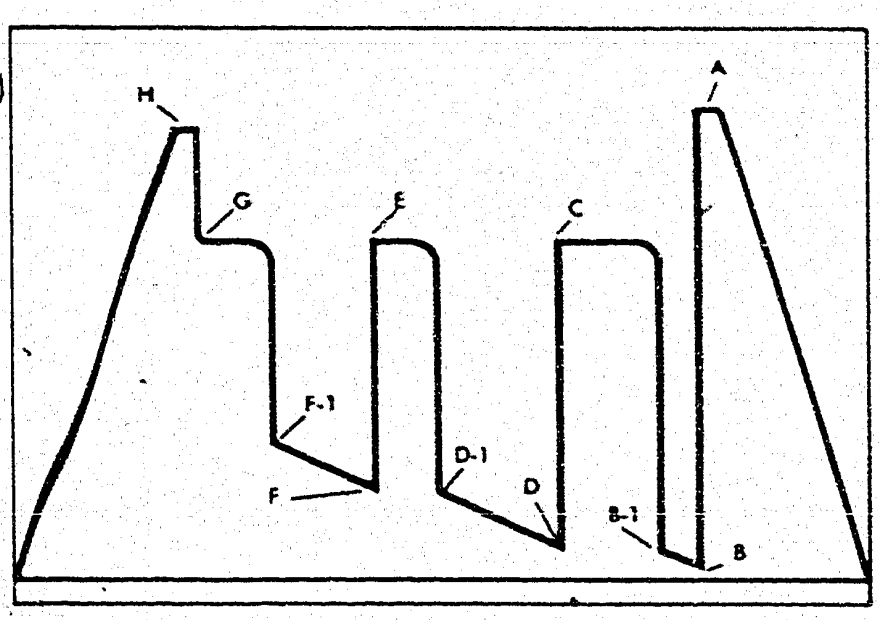
REMARKS _____

*Shut-in Pressure did not reach static reservoir pressure.

JTL-R & E-13A

JOHNSTON TESTERS

GUIDE TO IDENTIFICATION OF DRILL STEM TEST PRESSURE CHARTS



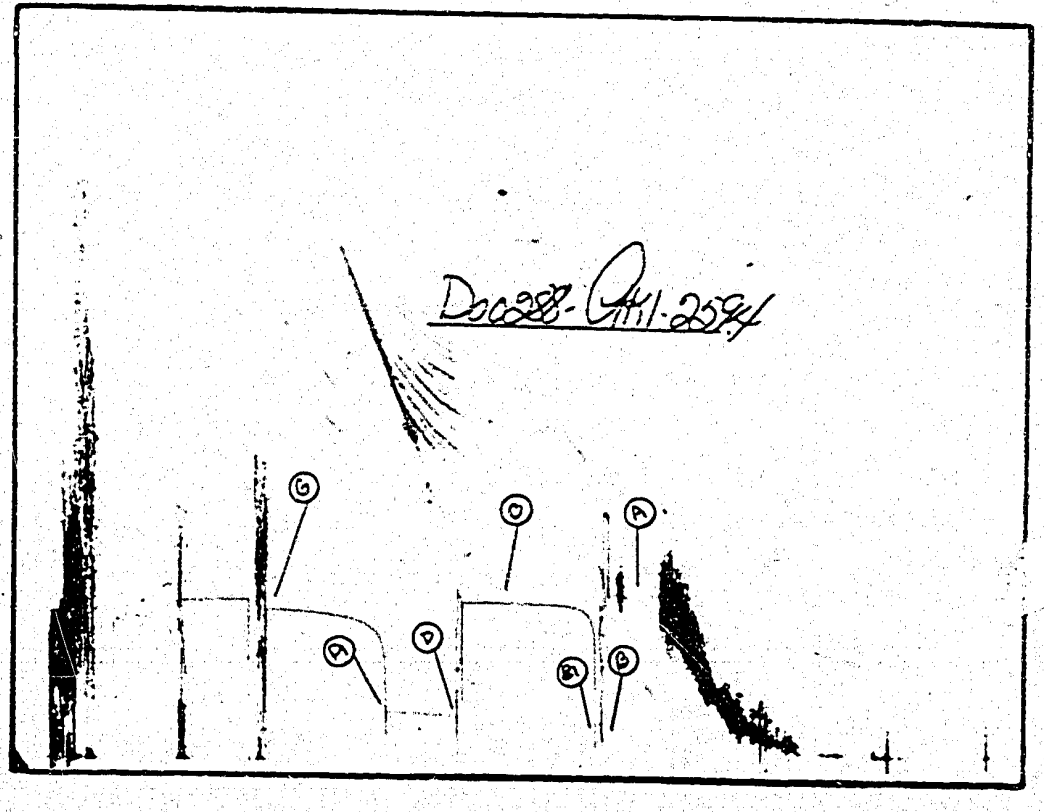
A. Initial Hyd. Mud
B. First Flow
C. Initial Shut-In
D. Second Flow
E. Second Shut-In
F. Third Flow
G. Final Shut-In
H. Final Hyd. Mud

The following points are either fluctuating pressures or points indicating other packer settings (testing different zones).

A-1, A-2, A-3, etc. Initial Hyd. Pressures
B, B-1, Initial Flow Pressures
C, Initial Shut-In
D-1, D-2, D-3, etc. Second Flow Pressures
E, Second Shut-In
F, F-1, F-2. Third Flow Pressures
G, Final Shut-In
H, Final Hyd. Pressures
Z — Special pressure points such as pumping pressures recorded for formation breakdown.

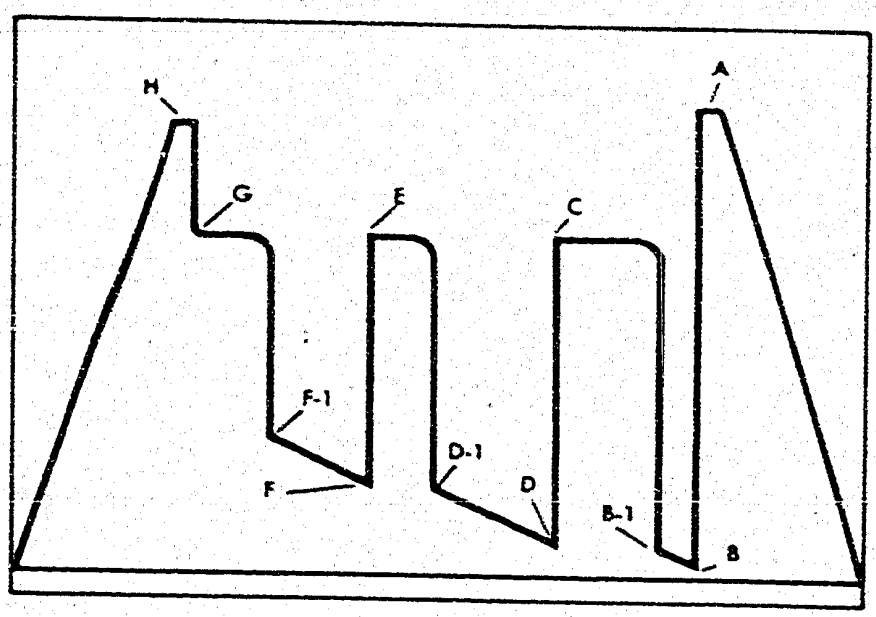
JOHNSTON TESTERS

FIELD REPORT NO.	RECORDER NO.	CAPACITY	REPORTS REQUESTED
D-00288	AK1-2594	4450	7



JOHNSTON TESTERS

GUIDE TO IDENTIFICATION OF DRILL STEM TEST PRESSURE CHARTS



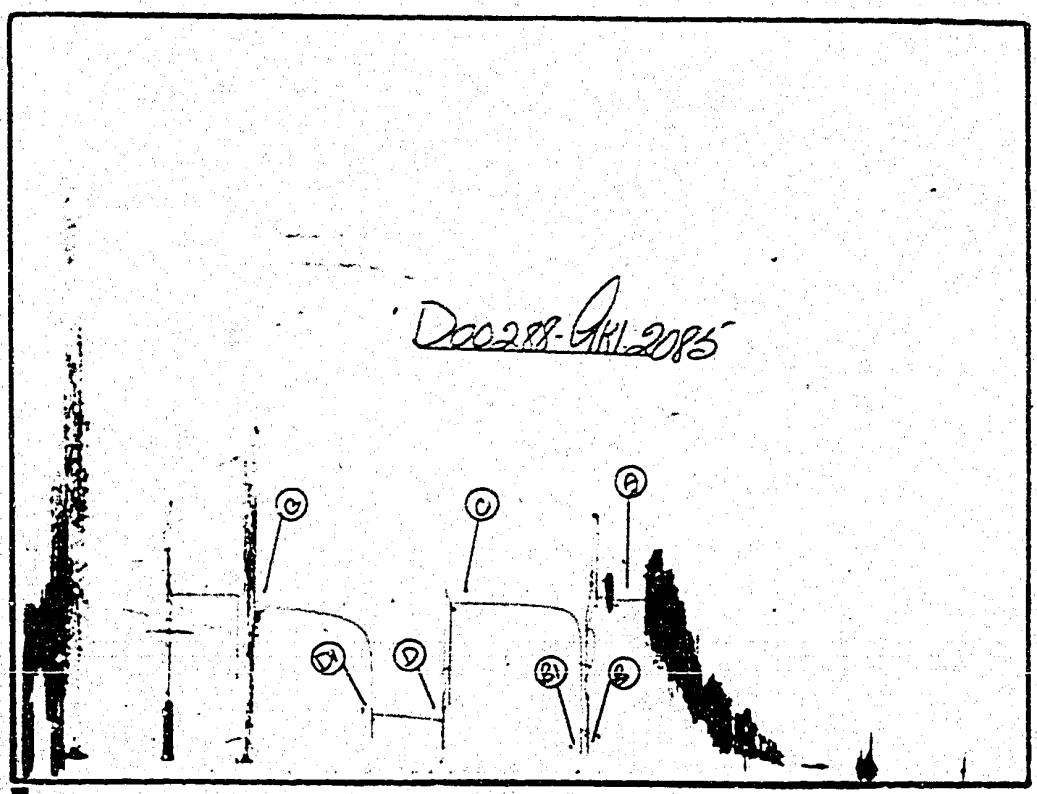
A. Initial Hyd. Mud
B. First Flow
C. Initial Shut-In
D. Second Flow
E. Second Shut-In
F. Third Flow
G. Final Shut-In
H. Final Hyd. Mud

The following points are either fluctuating pressures or points indicating other packer settings (testing different zones).

A-1, A-2, A-3, etc. Initial Hyd. Pressures
B, B-1, Initial Flow Pressures
C, Initial Shut-In
D-1, D-2, D-3, etc. Second Flow Pressures
E, Second Shut-In
F, F-1, F-2. Third Flow Pressures
G, Final Shut-In
H, Final Hyd. Pressures
Z — Special pressure points such as pumping pressures recorded for formation breakdown.

JOHNSTON TESTERS

FIELD REPORT NO.	RECORDER NO.	CAPACITY	REPORTS REQUESTED
D-00288	AK1-2085	4400	7



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JOHNSTON TESTERS

TEST DATA

Formation LOWER BAY LAKE Zone Thickness Ft

Interval	2000	To	2060	T.D.	2060
Type of Test	OPEN HOLE, BOTTOM HOLE				
Time Started in Hole	2000 Hrs	Tool Opened	2230	Hrs.	
First Flow	5 Min	Shut In	90	Min.	
Second Flow	60 Min	Second Shut In		Min.	
Third Flow	Min	Final Shut In	90	Min.	
Pulled Loose at	0235 Hrs	Out of Hole	0500	Hrs.	
Wt. Set on Packers	26,000 #	Pulled Loose Wt.	25,000	#	

Description of Blow During Test

WEAK BLOW, DEAD IN 15 MINS.

FLUID RECOVERY Was Test Reverse Circulated Yes X No

Total Fluid Recovered 60' Ft

Description of Fluid Recovered

60' DRILLING FLUID

GAS BLOW MEASUREMENT

Measured With I.D. Riser

Type of Instrument

Time	Size Choke	Reading Inches	Cubic Feet Day

REMARKS: TEST SATISFACTORY

TOOL SEQUENCE

Tool	Length	O.D.
SUB.	1.40	
P.O. SUB.	.85	
D.P. SUB.	.80	
MFE TOOL	10.00	
BYPASS TOOL	3.55	
JARS	6.90	
SAFETY JOINT	1.70	
SAFETY SEAL	4.40	
PACKERS (2)	9.40	
TOTAL	39.00	
STUB.	.60	
RECORDERS (2)	8.80	
PERF.	49.30	
B.H. & PERF.	1.65	
TOTAL INTERVAL	60.35	

TOTAL LENGTH	99.35
Elevation	NOT REPORTED
Bottom Hole Choke Size	1/2"
Fluid Cushion Type	Amt.

MUD AND HOLE DATA

Mud Type	GYP.	W.L.	3.3
Filter Cake	2/32	Visc. 88	Wt. 9.8
Time Taken			
Contractor	SEDCO DRILLING	Rig No.	77
Drill Pipe Size	3-1/2" IF		
Drill Collar Size	2" ID	Length	219'
Main Hole Size	6-1/4"		
Rat Hole Size			

District HIGH LEVEL Ticket No. D-00289 Date FEBRUARY 9, 1968 Test No. 3 J.T.L. No. 3

Company CENTRAL-DEL RIO OILS LIMITED Address 736 - 8TH AVENUE S.W.

Well Name CDR CHEVRON MILLS LAKE CALGARY, ALBERTA

Number L-10 Field WILDCAT Province N.W.T.

Formation

and Interval 2000-2060 DST#3 Co. Rep. C. HODGSON

Technician L. PERSSON

Distribution of Reports 6 -- CALGARY 1 -- DATA CENTER (ENCLOSED)

PRESSURE DATA

INSTRUMENT No.		AK1-1089	AK1-2594			
CAPACITY (psig)		4400	4450			
INSTRUMENT DEPTH		1999	1995			
INSTRUMENT OPENING		OUTSIDE	OUTSIDE			
PRESSURE GRADIENT psi/FT						
WELL TEMP. °F		98°	98°			
INITIAL HYDROSTATIC	A	1033#	1033#			
FIRST FLOW	B	40#	49#			
	B1	40#	49#			
INITIAL SHUT-IN	C	715#	719#			
SECOND FLOW	D	45#	51#			
	D1	47#	54#			
SECOND SHUT-IN	E					
THIRD FLOW	F					
FINAL SHUT-IN	G	685#	689#			
FINAL HYDROSTATIC	H	1033#	1033#			

FIELD REPORT No. D-00289

TIME DATA

	TIME GIVEN	TIME COMPUTED
	MINS	MINS
	MINS	MINS
	MINS	MINS
	MINS	MINS
	MINS	MINS
	MINS	MINS
CLOCK TRAVEL		IN/MIN.

REMARKS:

PRESSURE INCREMENTS

POINT MINUTES	PRESSURE	$\frac{T + \Delta T}{\Delta T}$	POINT MINUTES	PRESSURE	$\frac{T + \Delta T}{\Delta T}$	POINT MINUTES	PRESSURE	$\frac{T + \Delta T}{\Delta T}$

JOHNSTON TESTERS

FLUID SAMPLE REPORT

Date FEBRUARY 9, 1968 Field Report No. D-00259

Company CENTRAL-DEL RIO OILS LIMITED

736 - 8TH AVENUE S.W. CALGARY

Well CDR CHEVRON MILLS LAKE L-10 Field WILDCAT

District HIGH LEVEL Province N.W.T.

Test Interval 2000 To 2060 Test No. 3

Type of Test OPEN HOLE, BOTTOM HOLE Recovery Description 60' DRILLING FLUID

Bot. Hole Temp. 92° F.

Recorded Pressures: ISI 719 psig.
SSI ____ psig.
FF 54 psig.
FSI 689 psig.

SAMPLE UNIT

Sample No. 030-3 Type MFE Volume 2500 cc Depth 2039 ft.

Sample Drained: ☒ On Location ☐ Service Center ☐ Other ____

☐ Laboratory-Name ____
Address ____

Sample Pressure 10 psig. at Surface

Recovery:
Cu. Ft. Gas ____
cc. Oil ____
cc. Water ____
cc. Mud 2150
Total Liquid cc. 2150

Gravity ____ API @ ____ °F.
Gas/Oil Ratio ____

RESISTIVITY

Recovery Water ____ @ ____ °F.
Mud Pit sample filtrate ____ @ ____ °F.

CHLORIDE CONTENT

____ ppm.
____ ppm.

REMARKS ____

*Shut-in Pressure did not reach static reservoir pressure.

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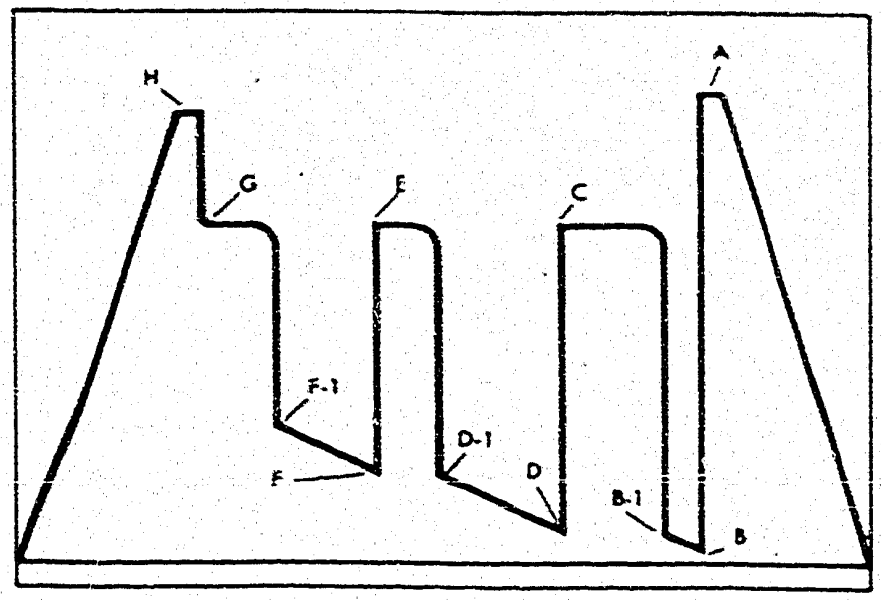
JOHNSTON TESTERS

GUIDE TO IDENTIFICATION OF DRILL STEM TEST PRESSURE CHARTS



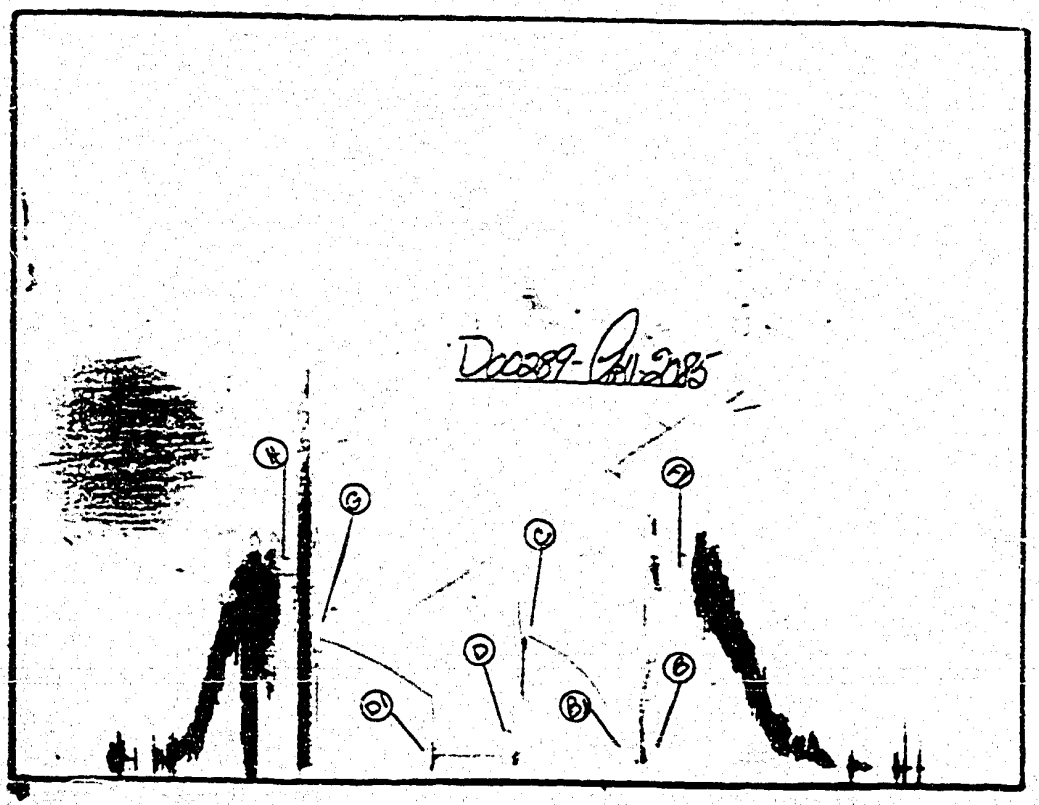
A. Initial Hyd. Mud
B. First Flow
C. Initial Shut-In
D. Second Flow
E. Second Shut-In
F. Third Flow
G. Final Shut-In
H. Final Hyd. Mud

The following points are either fluctuating pressures or points indicating other packer settings (testing different zones).

A-1, A-2, A-3, etc. Initial Hyd. Pressures
B, B-1, Initial Flow Pressures
C, Initial Shut-In
D-1, D-2, D-3, etc. Second Flow Pressures
E, Second Shut-In
F, F-1, F-2. Third Flow Pressures
G, Final Shut-In
H, Final Hyd. Pressures
Z — Special pressure points such as pumping pressures recorded for formation breakdown.

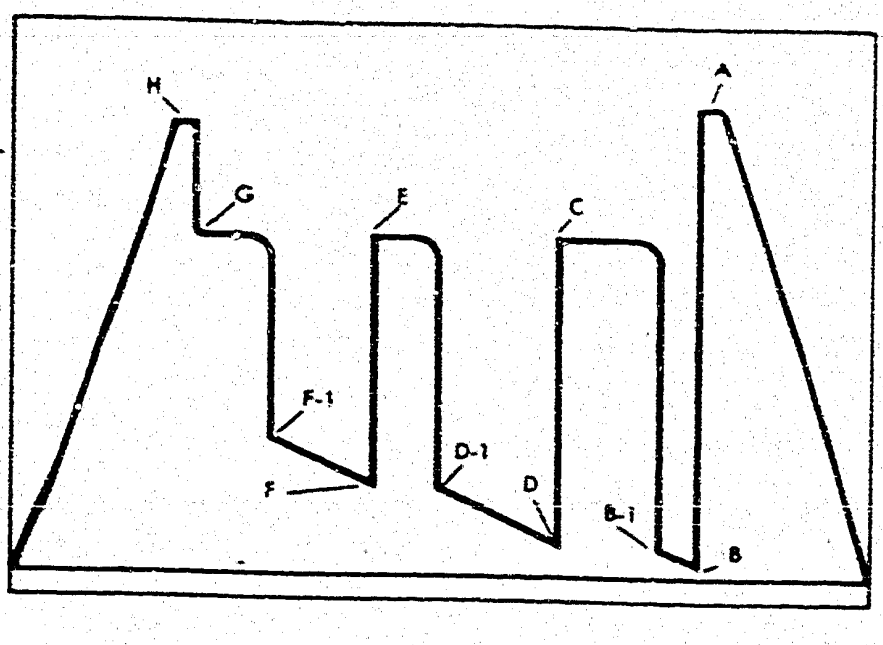
JOHNSTON TESTERS

FIELD REPORT NO.	RECORDER NO.	CAPACITY	REPORTS REQUESTED
D-00289	AK1-2085	4400	7



JOHNSTON TESTERS

GUIDE TO IDENTIFICATION OF DRILL STEM TEST PRESSURE CHARTS



A. Initial Hyd. Mud
B. First Flow
C. Initial Shut-In
D. Second Flow
E. Second Shut-In
F. Third Flow
G. Final Shut-In
H. Final Hyd. Mud

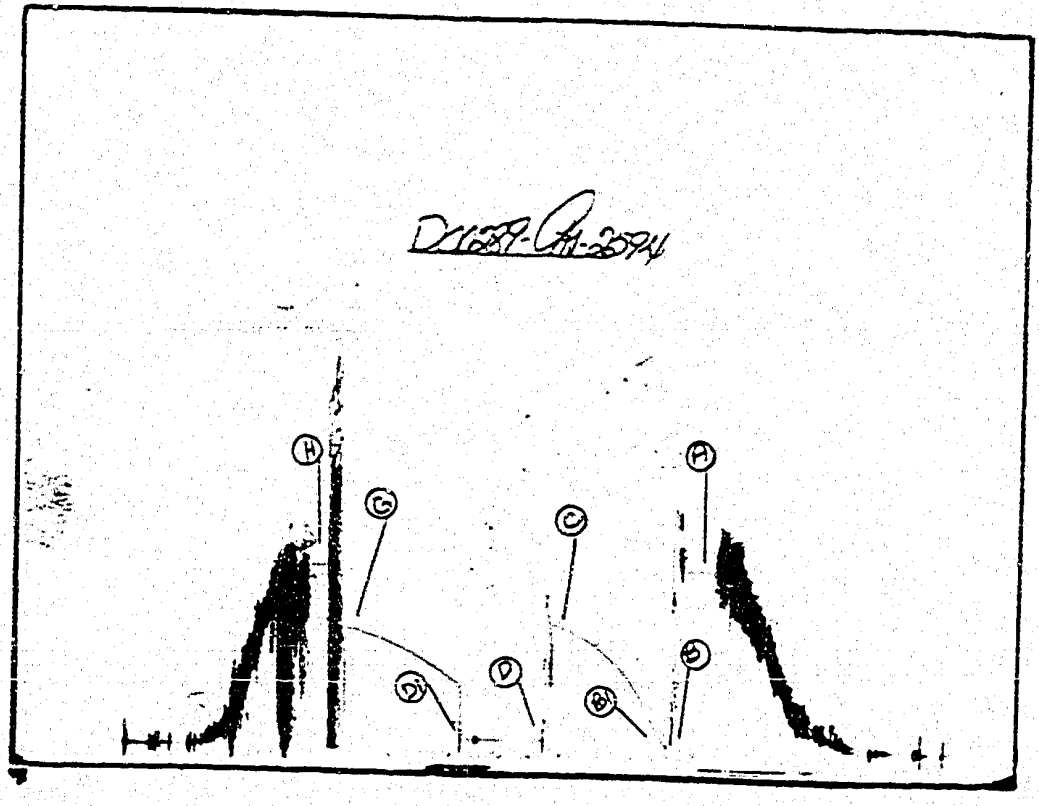
The following points are either fluctuating pressures or points indicating other packer settings (testing different zones).

A-1, A-2, A-3, etc. Initial Hyd. Pressures
B, B-1, Initial Flow Pressures
C, Initial Shut-In
D-1, D-2, D-3, etc. Second Flow Pressures
E, Second Shut-In
F, F-1, F-2, Third Flow Pressures
G, Final Shut-In
H, Final Hyd. Pressures
Z — Special pressure points such as pumping pressures recorded for formation breakdown.

JOHNSTON TESTERS

FIELD REPORT NO.	RECORDER NO.	CAPACITY	REPORTS REQUESTED
D-00289	AK1-2594	4450	7

D-1289-AK-2594



CHEMICAL ANALYSIS

FOR

CENTRAL-DEL RIO OILS LIMITED

CDR CHEVRON MILLS LAKE L-10

WILDCAT

NORTHWEST TERRITORIES

CORE LABORATORIES - Canada Ltd.

Petroleum Reservoir Engineering

CALGARY - EDMONTON - REGINA

CORE LABORATORIES-CANADA LTD.
CALGARY ALBERTA

Company Central-Del Rio Oils Limited Page 1 of 3

Well CDR Chevron Mills Lake L-10 Wildcat File CBH-2-3164

Field North West Territories Date June 26, 1968

Location Unit L, Sec. 10 61°10'N, 117°30'W. Analysts M.B.

SAMPLING CONDITIONS

Formation Devonian Lonely Bay Depths 1693'-1770' Elev. K.B. - 588'

Sampled from DST #1 (MFE) By _____ OF _____

Date Sampled Jan. 28/68 Date Received June 19/68 Date Analyzed June 21/68

Pressure _____ psig. Temperature _____ °F Atmospheric Temp. _____ °F

DST Recovery or Flowrate 167' Drilling Mud

Chloride - 16,722 mg/l

Resistivity - 0.25 Ohm-meters @ 75°F

CORE LABORATORIES-CANADA LTD.
CALGARY ALBERTA

Company Central-Del Rio Oils Limited Page 2 of 3

Well CCR Chevron Mills Lake H-10 File CBH-2-3164

Field Wildcat, North West Territories Date June 26, 1968

Location Unit L, Sec. 10 61°10'N, 117°30' W. Analysts M.B.

SAMPLING CONDITIONS

Formation Keg River Platform Depths 1840'-1895' Elev. K.B. - 588'

Sampled from DST #2 (MFE) By _____ OF _____

Date Sampled Feb. 3/68 Date Received June 19/68 Date Analyzed June 21/68

Pressure _____ psig. Temperature _____ °F Atmospheric Temp. _____ °F

DST Recovery or Flowrate 420' Drilling Mud

Chloride - 22,470 mg/l

Resistivity - 0.20 Ohm-meters @ 75°F

CORE LABORATORIES-CANADA LTD.
CALGARY ALBERTA

Company Central-Del Rio Oils Limited Page 3 of 3

Well CDR Chevron Mills Lake L-10 File CDH-2-3164

Field Wildcat, North West Territories Date June 26, 1968

Location Unit L, Sec. 10 61°10'N, 117°30' W. Analysts M.B.

SAMPLING CONDITIONS

Formation Granite Wash Depths 2000'-2060' Elev. K.B. - 588'

Sampled from DST #3 (MFE) By _____ OF _____

Date Sampled Feb. 9/68 Date Received June 19/68 Date Analyzed June 21/68

Pressure _____ psig. Temperature _____ °F Atmospheric Temp. _____ °F

DST Recovery or Flowrate 60' Drilling Mud

Chloride - 457 mg/l

Resistivity - 1.2 Ohm-meters @ 75°F

SEDCO DAILY DRILLING REPORT

No. 3718

RIG No. 77 LOCATION C.D.R. Shurack Mills Lake West AREA W.O.T. DATE Feb 10/62

DAY WORK RECORD

NOTE—Please show FOOTAGE made while "Control Drilling" as well as HOURS.

REMARKS	Time Start	Stop	Interval
Testing	12	2 30	2½
Trip in & ream 4 TD	2 30	3	½
Circ. Clean	3	4 30	1½
Pull out & Log	4½	5 30	½
Wait on orders Charts	5 30	6 00	¾
Finish logging, trip in	6 00	~~7 00~~	
& Lay down 3 jts		7 00	1
Wait on orders	7 00	7 30	½
Run in O.T. End.	7 30	9 00	½
Company Time Cont'r Time			
Serv Rig	8 00	8 15	¼
Running in	8 15	11.30	3¼
Circ.	11.30	12.30	1
Run plug	12.30	2.30	2
Hoist	2.30	4	1½
Company Time Cont'r Time			
Hoist	4 00	4.30	½
Rig to plug, plug	4.30	6 00	1½
Lay down	6 00		
Clean mud tanks		12 00	6
Rig released 11.59 PM Feb 10/62			
Company Time Cont'r Time			

Tour — Midnight - 8 a.m.

Specify actual hours worked	Hrs.
Driller K. S. Turay	8
Derrick F. Fernando	10
Floor	
Floor K. Utley	4
Floor	
Motor R. Riesbricht	4
Mechanic	
Extra G. Crescent	2

Injuries:

Fires:

From T.D. | Footage | To | Hrs. on Bottom | Wt. Drill Pipe (1000 lbs.) | Stands | Singles

DRILL COLLARS: No. 4 | O.D. 4½ | I.D. 2" | Length 117 ft | Wgt. 1[illegible] | C.B. Ft. | Subs Ft. | Ft. Up On Kelly

IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES

BITS	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION

MUD: 12 Mn. | 2 a.m. | 4 a.m. | 6 a.m. | Additives

WEIGHT | VISCOSITY | GEL

Pump Pressure: Model | Model

Pump S.P.M.: Model | Model

Pump Liner Size: Model | Model

W.L. F.C. pH.

Worked & Hus for CDR #1

At Surveys Degree

MOTOR HOURS: 1 112 | 2 112 | 3 112 | 4 112 | 5 112

Next Oil Change

FUEL Gals. | WATER Bbls. | COAL Tons

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or Cut	Feet Left on Spool	Next Slip
3/4		4						

General

Tour — 8 a.m. to 4 p.m.

Specify actual hours worked	Hrs.
Driller M. PATTON	8
Derrick D. Stogryn	8
Floor	
Floor J. Harrington	8
Motor J. Ducharme	8
Mechanic	
Extra	

Injuries:

Fires:

From T.D. | Footage | To | Hrs. on Bottom | Wt. Drill Pipe (1000 lbs.) | Stands | Singles

DRILL COLLARS: No. 8 | O.D. 6¼ | I.D. 2" | Length 2171 | Wgt. 190#

C.B. Ft. | Subs Ft. | Ft. Up On Kelly

IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES

BITS	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
			Ran plug #1 from 2060'-1600'		13 Sacks				Cut cement		
			20% CaCl2 plug down 2.30 pm Displaced with mud								

MUD: 8 a.m. | 10 a.m. | 12 noon | 2 p.m. | Additives

WEIGHT: Ran plug #2 from 360' to surface 60 Sacks Cement

VISCOSITY

GEL: 20% Calcium Chloride plug down 5.45

Pump Pressure: Model | Model

Pump S.P.M.: Model | Model

Pump Liner Size: Model | Model

W.L. F.C. pH.

At Surveys Degree

MOTOR HOURS: 1 | 2 | 3 | 4 | 5

Next Oil Change

FUEL Gals. | WATER Bbls. | COAL Tons

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or Cut	Feet Left on Spool	Next Slip
3/4		4						

General

Tour — 4 p.m. to Midnight

Specify actual hours worked	Hrs.
Driller H. CHADWICK	7
Derrick J. HILL	7
Floor	
Floor D. DAWSON	1
Floor	
Motor K. NOERGON	1
Mechanic	
Extra	

Injuries:

Fires:

From | Footage | To | Hrs. on Bottom | Wt. Drill Pipe (1000 lbs.) | Stands | Singles

DRILL COLLARS: No. | O.D. | I.D. | Length | Wgt. | C.B. Ft. | Subs Ft. | Ft. Up On Kelly

IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES

BITS	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
			Weld cap on				3'		Lay down		
			weld valve								

MUD: 4 p.m. | 6 p.m. | 8 p.m. | 10 p.m. | Additives

WEIGHT | VISCOSITY | GEL

Pump Pressure: Model | Model

Pump S.P.M.: Model | Model

Pump Liner Size: Model | Model

W.L. F.C. pH.

At Surveys Degree

MOTOR HOURS: 1 | 2 | 3 | 4 | 5

Next Oil Change

FUEL 3' Gals. | WATER 2 - Bbls. | COAL Tons

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or Cut	Feet Left on Spool	Next Slip

General

Totco Ring-on Bit No. _____ D.P. Calipered Date _____ Results _____ From Pipe Rack _____

B.O.P. Test-Operated _____ Time _____ Results _____

Total Contractor Time _____ Hrs. Toolpusher _____

Total Company Time _____ Hrs. Approved by _____

FORM E-2

THIS COPY TO CONSERVATION BOARD (MAIL TO CALGARY OFFICE)

SEDCO — DAILY DRILLING REPORT

DAY WORK RECORD — No. 3717

NOTE—Please show FOOTAGE made while "Control Drilling" as well as HOURS.

RIG No. 77 LOCATION C.O.R. CHINOOK MINES LTD. AREA N.W.T. DATE F.C. 9/68

Tour — Midnight - 8 a.m.

Specify actual hours worked — Hrs.

Driller K. SAURBI 8
Derrick F. TOGRANTO 8
Floor
Floor K. UREY 8
Floor
Motor V. GEISERECHT 8
Mechanic
Extra

Injuries:

Fires:

From 2060 | Footage | To | Hrs. on Bottom | Wt. Drill Pipe (1000 lbs.) | Stands | Singles

DRILL COLLARS: No. 4 | O.D. 4¾ | I.D. 2" | Length 219.71 | Wgt. 10.000 | C.B. Ft. | Subs Ft. | Ft. Up On Kelly

IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES

BITS	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
	7	6¼	REED YSI K	263995							

MUD	12 Mn.	2 a.m.	4 a.m.	6 a.m.	Additives	At Surveys	Degree
WEIGHT	9.5		9.5		OIL 1800		
VISCOSITY	50		49		CAUSTIC 50		
GEL							
Pump Pressure Model	200		400				
Pump Pressure Model	C-1-10-C						
Pump S.P.M. Model	61		60				
Pump Liner Size Model	5½ x 12						

W.L. 32 F.C. 2/32 pH. 10.5

MOTOR HOURS: 1 44 | 2 44 | 3 44 | 4 44 | 5 44 — Next Oil Change — FUEL Gals. — WATER Bbls. — COAL Tons

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or Cut	Feet Left on Spool	Next Slip
3¼		4						

General

REMARKS	Time Start	Stop	Interval
FINISH IN.	12 AM	12½	¼
Rig SERV. & C.O.P's	12½	12¾	½
REAM 25' TO BOTTOM	12¾	1	½
CIRC TO LOG	1	1½	½
15 STAND DUMMY TRIP	1½	2½	1
CLEAN 25' TO BOTTOM	2½	3	½
CIRC TO LOG	3	4½	1½
HOIST	4½	6	1¾
RIG TO LOG	6	6½	¼
LOGGING BY SCHLUMBERGER	6½	8:00	1¾
Company Time Cont'r Time			

Tour — 8 a.m. to 4 p.m.

Specify actual hours worked — Hrs.

Driller M. PATTON 8
Derrick O. STOGRYN 8
Floor T. DUCHARME 8
Floor
Floor
Motor J. Harrington 8
Mechanic
Extra

Injuries:

Fires:

From 2060 | Footage | To | Hrs. on Bottom | Wt. Drill Pipe (1000 lbs.) | Stands | Singles

DRILL COLLARS: No. 8 | O.D. 4¾ | I.D. 2" | Length 219.71 | Wgt. 10.000 | C.B. Ft. | Subs Ft. | Ft. Up On Kelly

IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES

BITS	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
	7	6¼	REED YSI	263995							

MUD	8 a.m.	10 a.m.	12 noon	2 p.m.	Additives	At Surveys	Degree
WEIGHT							
VISCOSITY							
GEL							
Pump Pressure Model							
Pump Pressure Model							
Pump S.P.M. Model							
Pump S.P.M. Model							
Pump Liner Size Model							
Pump Liner Size Model							

W.L. F.C. pH.

MOTOR HOURS: 1 96 | 2 91 | 3 96 | 4 96 | 5 96 — Next Oil Change — FUEL Gals. — WATER Bbls. — COAL Tons

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or Cut	Feet Left on Spool	Next Slip
3¼		4						

General

REMARKS	Time Start	Stop	Interval	
RIG SERV	8:00	8:15	¼	8
LOGGING	8:15	4:00	7¾	8
Company Time Cont'r Time				

Tour — 4 p.m. to Midnight

Specify actual hours worked — Hrs.

Driller H. CHASWICK 8
Derrick J. HILL 8
Floor
Floor D. DAWSON 8
Floor
Motor R. ANDERSON 8
Mechanic
Extra

Injuries:

Fires:

From 2060 TD | Footage | To TD | Hrs. on Bottom | Wt. Drill Pipe (1000 lbs.) | Stands | Singles 11

DRILL COLLARS: No. 8 | O.D. 4¾ | I.D. 2" | Length 219.71 | Wgt. 10.000 | C.B. Ft. | Subs Ft. | Ft. Up On Kelly 16

IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES

BITS	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.	Additives	At Surveys	Degree
WEIGHT							
VISCOSITY							
GEL							
Pump Pressure Model							
Pump Pressure Model							
Pump S.P.M. Model							
Pump S.P.M. Model							
Pump Liner Size Model							
Pump Liner Size Model							

W.L. F.C. pH.

MOTOR HOURS: 1 104 | 2 — | 3 — | 4 — | 5 — — Next Oil Change — FUEL 6 Gals. — WATER — Bbls. — COAL Tons

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or Cut	Feet Left on Spool	Next Slip
3¼		4						

General

REMARKS	Time Start	Stop	Interval
Logging	4 AM	5:30	1½
Rig out Logger	5:30	6 AM	½
Rig up Tool To Test	1 AM	1 AM	2
Run in	1 AM	10:15	2¼
Rig in Test	10:15	10:30	¼
Test	10:30	12 AM	1½
Company Time Cont'r Time			

Totco Ring on Bit No. _____ D.P. Calipered Date _____ Results _____ From Pipe Rack _____

B.O.P. Test-Operated _____ Time _____ Results _____

Total Contractor Time _____ Hrs. Toolpusher H. Chaswick

Total Company Time _____ Hrs. Approved by _____

FORM E-2

THIS COPY TO CONSERVATION BOARD (MAIL TO CALGARY OFFICE)

SEDCO — DAILY DRILLING REPORT

No. 3716

RIG No. 77 LOCATION C.D.R. CHEVRON MILLER No. 1 AREA N.W.T. DATE FEB 7/61

Tour — Midnight - 8 a.m.

Specify actual hours worked	Hrs.
Driller T. STURM	12
Derrick G. GIESBRECHT	4
Floor	
Floor E. HUDSON	4
Floor E. HULL	8
Motor	
Mechanic	
Extra	

Injuries:

Fires:

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles
2020	—	—	—	32 M		60

DRILL COLLARS: No. 8 | O.D. 4¾ | I.D. 2" | Length 2[illegible] | Wgt. [illegible] | C.B. Ft. | Subs Ft. | Ft. Up On Kelly 27'

IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES

Bits	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
	7	6¼	REED YSJ2	263995	—	—	—	—			RUN

MUD	12 Mn.	2 a.m.	4 a.m.	6 a.m.
WEIGHT				
VISCOSITY				
GEL				
Pump Pressure Model				
Pump Pressure Model				
Pump S.P.M. Model				
Pump S.P.M. Model				
Pump Liner Size Model				
Pump Liner Size Model				

Additives

At Surveys Degree

MOTOR HOURS: 1 64 | 2 64 | 3 64 | 4 64 | 5 64

Next Oil Change

FUEL: Gals. | WATER Bbls. | COAL Tons

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or Cut	Feet Left on Spool	Next Slip

General

W.L. F.C. pH.

Time	Start	Stop	Interval
FINISH OUT T. COLLARS	12 00	2 30	2½
BREAK DOWN TAP &	2 30	=	
LOAD OUT SAME		3 00	½
HOIST COLLARS &	3 00		
RUN LOG SAME		4 15	1¼
RIG SERV & R.O.P.	4 15	4 45	½
RUN IN SLOW	4 45	7 15	2½
UNTHAW KELLY	7 15	7 45	½
WORK ON FLOW LINE	7 45	8 00	¼

Company Time Cont'r Time

Tour — 8 a.m. to 4 p.m.

Specify actual hours worked	Hrs.
Driller M. PATTON	8
Derrick D. STOGRYN	8
Floor J. DUCHARME	8
Floor J. HARRINGTON	8
Floor	
Motor	
Mechanic	
Extra	

Injuries:

Fires:

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles
2020	40	2060	6¾	28 M		61

DRILL COLLARS: No. 8 | O.D. 4¾ | I.D. 2" | Length 219.91 | Wgt. 19.4 M | C.B. Ft. | Subs Ft. | Ft. Up On Kelly 176

IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES

Bits	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
	7	6¼	REED YSJ2	263995	1500	90	40	6¾			0 3 I

MUD	8 a.m.	10 a.m.	12 noon	2 p.m.
WEIGHT		9.1	9.1	9.2
VISCOSITY		62	64	64
GEL				
Pump Pressure Model		45	[illegible]	[illegible]
Pump Pressure Model				
Pump S.P.M. Model		60	[illegible]	[illegible]
Pump S.P.M. Model				
Pump Liner Size Model		5½	X	12
Pump Liner Size Model				

Additives

At Surveys Degree

MOTOR HOURS: 1 102 | 2 102 | 3 102 | 4 102 | 5 102

Next Oil Change

FUEL: Gals. | WATER Bbls. | COAL Tons

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or Cut	Feet Left on Spool	Next Slip

General

W.L. F.C. 2/32 pH.

Time	Start	Stop	Interval
SERVICE R.O.P.	8 00	8 15	¼
DRILLING	8 15	3 00	6¾
D.C. SAMPLE & LOG	3 00	3 30	½
TOMMY TRIP	3 30	[illegible]	½

Company Time Cont'r Time

Tour — 4 p.m. to Midnight

Specify actual hours worked	Hrs.
Driller H. CHADWICK	1
Derrick J. HULL	8
Floor	
Floor R. OLESON	7
Floor	
Motor L. ANDERSON	7
Mechanic	
Extra	

Injuries:

Fires:

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles
2060						

DRILL COLLARS: No. [illegible] | O.D. [illegible] | I.D. [illegible] | Length [illegible] | Wgt. [illegible] | C.B. Ft. | Subs Ft. | Ft. Up On Kelly 176

IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES

Bits	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.
WEIGHT				
VISCOSITY				
GEL				
Pump Pressure Model				
Pump Pressure Model				
Pump S.P.M. Model				
Pump S.P.M. Model				
Pump Liner Size Model				
Pump Liner Size Model				

Additives

At Surveys Degree [illegible] 3½

MOTOR HOURS: 1 110 | 2 — | 3 — | 4 — | 5 —

Next Oil Change

FUEL: 2 Gals. | WATER [illegible] Bbls. | COAL Tons

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or Cut	Feet Left on Spool	Next Slip
7/8								

General

W.L. [illegible] F.C. [illegible] pH.

Time	Start	Stop	Interval
TOMMY TRIP	4 00	4 15	¼
CIRC TO LOG	4 15	5 15	1
DRILL SURVEY STRAIGHT	5 15	7 15	2
RIG TO LOG	7 15	7 30	¼
LOGGING, COULD NOT GET TO BOTTOM	7 30	10 00	2½
RUN IN [illegible]	10 00	12 00	2

Company Time Cont'r Time

DAY WORK RECORD

NOTE—Please show FOOTAGE made while "Control Drilling" as well as HOURS.

REMARKS	Time Start	Time Stop	Time Interval
FINISH OUT T. COLLARS	12 00	2 30	2½
BREAK DOWN TAP &	2 30	=	
LOAD OUT SAME		3 00	½
HOIST COLLARS &	3 00		
RUN LOG SAME		4 15	1¼
RIG SERV & R.O.P.	4 15	4 45	½
RUN IN SLOW	4 45	7 15	2½
UNTHAW KELLY	7 15	7 45	½
WORK ON FLOW LINE	7 45	8 00	¼
Company Time Cont'r Time			
SERVICE R.O.P.	8 00	8 15	¼
DRILLING	8 15	3 00	6¾
D.C. SAMPLE & LOG	3 00	3 30	½
TOMMY TRIP	3 30	[illegible]	½
Company Time Cont'r Time			
TOMMY TRIP	4 00	4 15	¼
CIRC TO LOG	4 15	5 15	1
DRILL SURVEY STRAIGHT	5 15	7 15	2
RIG TO LOG	7 15	7 30	¼
LOGGING, COULD NOT GET TO BOTTOM	7 30	10 00	2½
RUN IN [illegible]	10 00	12 00	2
Company Time Cont'r Time			

Totco Ring on Bit No. _____ D.P. Calipered Date _____ Results _____ From Pipe Rack _____

B.O.P. Test-Operated _____ Time _____ Results _____

Total Contractor Time _____ Hrs. Toolpusher E. Pendley

Total Company Time _____ Hrs. Approved by [illegible]

FORM E-2

THIS COPY TO CONSERVATION BOARD (MAIL TO CALGARY OFFICE)

SEDCO DAILY DRILLING REPORT

DAY WORK RECORD No. 3715

RIG No. 77 LOCATION S.O.R. CHEVRON MILLS LAKE GAS AREA W.D.I. DATE Feb 7/61

NOTE—Please show FOOTAGE made while "Control Drilling" as well as HOURS.

Tour — Midnight - 8 a.m.

Specify actual hours worked	Hrs.
Driller K STURM	8
Derrick G QUESNELLE	8
Floor	
Floor K UTZEL	12
Floor D DOUGAL	9
Motor	
Mechanic	
Extra	

Injuries:

Fires:

From 2020 | Footage | To | Hrs. on Bottom | Wt. Drill Pipe (1000 lbs.) 15 | Stands | Singles 31

DRILL COLLARS: No. | O. D. | I. D. | Length | Wgt. | C.B. Ft. | Subs Ft. | Ft. Up On Kelly 17

IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES

BITS	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
	1	6¼	R-O 351-K	263973	[illegible]						1

MUD	12 Mn.	2 a.m.	4 a.m.	6 a.m.	Additives
WEIGHT					
VISCOSITY					
GEL					
Pump Pressure Model					
Model					
Pump S.P.M. Model					
Model					
Pump Liner Size Model					
Model					

W.L. F.C. pH.

At Surveys Degree

MOTOR HOURS: 1 40 | 2 40 | 3 40 | 4 40 | 5 40

Next Oil Change

FUEL Gals. | WATER Bbls. | COAL Tons

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or Cut	Feet Left on Spool	Next Slip
9/4		4						

General

REMARKS	Time Start	Stop	Interval
Rig SERV. & R.O.P.	12	12½	½
RUN IN SLOW	12½	3	2½
DUTCH HILL	3	3½	½
Ream 165' to bottom Tag fill	3½	4	½

Tour — 8 a.m. to 4 p.m.

Specify actual hours worked	Hrs.
Driller	
Derrick J HILL	13
Floor	
Floor J MCKARNE	11
Floor	
Motor	
Mechanic	
Extra	

Injuries:

Fires:

From 2020 | Footage | To | Hrs. on Bottom | Wt. Drill Pipe (1000 lbs.) | Stands | Singles

DRILL COLLARS: No. | O. D. | I. D. | Length | Wgt. | C.B. Ft. | Subs Ft. | Ft. Up On Kelly 3.20

IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES

BITS	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION

MUD	8 a.m.	10 a.m.	12 noon	2 p.m.	Additives
WEIGHT	9696				GEL 1200 lbs
VISCOSITY	85 90+				VC 10 400 lbs
GEL					CAUSTIC 150 lbs
Pump Pressure Model	200 400				C.M.C. 150 lbs
Model					waters
Pump S.P.M. Model	62 60				
Model					
Pump Liner Size Model	5½ x 12				
Model					

W.L. 6.7 F.C. 2/32 pH. 10.5

At Surveys Degree

MOTOR HOURS: 1 44 | 2 44 | 3 44 | 4 44 | 5 44

Next Oil Change

FUEL Gals. | WATER Bbls. | COAL Tons

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or Cut	Feet Left on Spool	Next Slip
9		7						

General

Company Time	Cont'r Time			
REAM 5' to Top fish	4	4 30	½	
CIRC. & CONDITION MUD	4 30	4 45	3	
REAM to Top fish	11 30	1	1½	
HOIST	1 00	2 30	2½	
RUN IN	330	4 00	½	

Tour — 4 p.m. to Midnight

Specify actual hours worked	Hrs.
Driller H CHADWICK	12
Derrick P PARENTO	
Floor	
Floor J HARRINGTON	2
Floor	
Motor R ANDERSON	12
Mechanic	
Extra	

Injuries:

Fires:

From | Footage | To | Hrs. on Bottom | Wt. Drill Pipe (1000 lbs.) | Stands | Singles

DRILL COLLARS: No. 0 | O. D. | I. D. | Length | Wgt. | C.B. Ft. | Subs Ft. | Ft. Up On Kelly

IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES

BITS	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.	Additives
WEIGHT					
VISCOSITY					
GEL					
Pump Pressure Model					
Model					
Model					
Pump S.P.M. Model					
Model					
Pump Liner Size Model					
Model					

W.L. F.C. pH.

At Surveys Degree

MOTOR HOURS: 1 56 | 2 56 | 3 56 | 4 56 | 5 56

Next Oil Change

FUEL 5 Gals. | WATER 3 Bbls. | COAL Tons

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or Cut	Feet Left on Spool	Next Slip
9		4						

General [illegible] Tag cmt @ Top of Mill Test Held & Good

Company Time	Cont'r Time			
RUN IN & Low with Tap	4 00	6 00	2	
CIRC picked up DC. with tap	6 00	7 00	1	
HOIST Plugged CHAIN OUT	7 00	12 00	5	
W&L DC on Tap				

Company Time	Cont'r Time

Totco Ring on Bit No. _____ D.P. Calipered Date _____ Results _____ From Pipe Rack _____

B.O.P. Test-Operated _____ Time _____ Results _____

Total Contractor Time _____ Hrs. Toolpusher H Chadwick

Total Company Time _____ Hrs. Approved by _____

FORM E-2

THIS COPY TO CONSERVATION BOARD (MAIL TO CALGARY OFFICE)

SEDCO DAILY DRILLING REPORT

No. 3714

RIG No. 77 LOCATION C.U.R. - [illegible] AREA N.W.T. DATE Feb 6/71

DAY WORK RECORD

NOTE—Please show FOOTAGE made while "Control Drilling" as well as HOURS.

Tour — Midnight - 8 a.m.

Specify actual hours worked — Hrs.

Driller K. STURM 12
Derrick O. RIESCHECHT 12
Floor
Floor J. JOHNSTONE 12
Floor P. JOHNSON 12
Motor
Mechanic
Extra

Injuries:

Fires:

From — Footage — To — Hrs. on Bottom — Wt. Drill Pipe (1000 lbs.) — Stands — Singles — DRILL COLLARS (No. / O.D. / I.D. / Length / Wgt.) — C.B. Ft. — Subs Ft. — Ft. Up On Kelly

From: 7-0

IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES

BITS	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION

MUD	12 Mn.	2 a.m.	4 a.m.	6 a.m.
WEIGHT				
VISCOSITY				
GEL				
Pump Pressure — Model				
Pump Pressure — Model				
Pump S.P.M. — Model				
Pump S.P.M. — Model				
Pump Liner Size — Model				
Pump Liner Size — Model				

Additives:

At Surveys	Degree

MOTOR HOURS		Next Oil Change	FUEL
1	16		Gals.
2	16		WATER
3	16		Bbls.
4	16		COAL
5	16		Tons

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or Cut	Feet Left on Spool	Next Slip
3/4		7						

General

W.L. F.C. pH.

REMARKS	Time Start	Stop	Interval
Wait on crude.	12[illegible]	4[illegible]	4
[illegible]	4	4[illegible]	½
[illegible]	4[illegible]	5½	1½
UNTHAW [illegible]	5	7[illegible]	1½
Work on [illegible]	7[illegible]	7[illegible]	½
[illegible] & CIRC	7[illegible]	[illegible]	¼
[illegible]		8[illegible]	1
[illegible]	8		

Tour — 8 a.m. to 4 p.m.

Specify actual hours worked — Hrs.

Driller
Derrick J. HILL 8
Floor
Floor
Floor
Motor
Mechanic
Extra

Injuries:

Fires:

From 2020 — Footage — To — Hrs. on Bottom — Wt. Drill Pipe (1000 lbs.) — Stands — Singles — DRILL COLLARS (No. / O.D. / I.D. / Length / Wgt.) — C.B. Ft. — Subs Ft. — Ft. Up On Kelly

IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES

BITS	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION

MUD	8 a.m.	10 a.m.	12noon	2 p.m.
WEIGHT				
VISCOSITY				
GEL				
Pump Pressure — Model				
Pump Pressure — Model				
Pump S.P.M. — Model				
Pump S.P.M. — Model				
Pump Liner Size — Model				
Pump Liner Size — Model				

Additives:

At Surveys	Degree

MOTOR HOURS		Next Oil Change	FUEL
1	24		Gals.
2	24		WATER
3	24		Bbls.
4	24		COAL
5	24		Tons

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or Cut	Feet Left on Spool	Next Slip
3/4		7						

General

W.L. F.C. pH.

Company Time — Cont'r Time

REMARKS	Time Start	Stop	Interval
Run in SHOW	4[illegible]	9½	3½
Break circ & CIRC	9[illegible]	9[illegible]	¼
Run in SHOW	9[illegible]	11[illegible]	2
Work Plugged Pipe	11[illegible]	11½	½
UNTHAW Tools	11[illegible]	1[illegible]	1½
Hoist Plugged PIPE	1[illegible]	3[illegible]	2
UN PLUG TOOL	3[illegible]	4[illegible]	1

Tour — 4 p.m. to Midnight

Specify actual hours worked — Hrs.

Driller H. CHADWICK 12
Derrick P. PARRANTO 8
Floor
Floor T. HARRINGTON 12
Floor
Motor R. ANDERSON 12
Mechanic
Extra

Injuries:

Fires:

From — Footage — To — Hrs. on Bottom — Wt. Drill Pipe (1000 lbs.) — Stands — Singles — DRILL COLLARS (No. / O.D. / I.D. / Length / Wgt.) — C.B. Ft. — Subs Ft. — Ft. Up On Kelly

Singles: 10

IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES

BITS	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.
WEIGHT				
VISCOSITY				
GEL				
Pump Pressure — Model				
Pump Pressure — Model				
Pump S.P.M. — Model				
Pump S.P.M. — Model				
Pump Liner Size — Model				
Pump Liner Size — Model				

Additives:

At Surveys	Degree

MOTOR HOURS		Next Oil Change	FUEL
1	32		1½ Gals.
2	32		WATER
3	[illegible]		[illegible] Bbls.
4	32		COAL
5	[illegible]		Tons

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or Cut	Feet Left on Spool	Next Slip
7/8								

General

W.L. F.C. pH.

Company Time — Cont'r Time

REMARKS	Time Start	Stop	Interval
Run in SHOW	4[illegible]	6[illegible]	2½
Cut. MTHAW KELLY	6[illegible]	7[illegible]	½
CIRC & Drain	7[illegible]	8[illegible]	1
Work Plugged PIPE	7[illegible]	7[illegible]	½
2 MIN SOME	7[illegible]	9[illegible]	2½
Hoist Plugged PIPE	9[illegible]	12[illegible]	2½

Company Time — Cont'r Time

Toolco Ring on Bit No. _____ D.P. Calipered Date _____ Results _____ From Pipe Rack _____

B.O.P. Test-Operated _____ Time _____ Results _____

Total Contractor Time _____ Hrs. Toolpusher _____

Total Company Time _____ Hrs. Approved by _____

FORM E-2

THIS COPY TO CONSERVATION BOARD (MAIL TO CALGARY OFFICE)

SEDCO DAILY DRILLING REPORT

RIG No. 77 LOCATION C&R CHEVRON Mur[illegible] AREA N.W.T. DATE Feb 5/61

DAY WORK RECORD

No. 3713

NOTE—Please show FOOTAGE made while "Control Drilling" as well as HOURS.

Tour — Midnight - 8 a.m.

Specify actual hours worked	Hrs.
Driller D. STORM	12
Derrick G. RICHARDS	12
Floor	
Floor F. HANSON	12
Floor S. JOHNSON	12
Motor	
Mechanic	
Extra	

Injuries:

Fires:

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles
1918	41	2011	4½	26		9

DRILL COLLARS

No.	O. D.	I. D.	Length	Wgt.	C.B. Ft.	Subs Ft.	Ft. Up On Kelly
8	7¾	2"	219.71	10			40

IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES

B I T S	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
	5	6¼	H.D. W7	93011	11	[illegible]	93	10½			T-B-W

MUD	12 Mn.	2 a.m.	4 a.m.	6 a.m.
WEIGHT	9.2	9.3	9.2	
VISCOSITY	60	60	60	
GEL				
Pump Pressure Model	2500	2500	2500	
Pump Pressure Model	[illegible]	[illegible]	[illegible]	
Pump S.P.M. Model	61	62	62	
Pump Liner Size Model	5½	5½	5½	

Additives

W.L. 70 F.C. 2/32 pH 9.5

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or Cut	Feet Left on Spool	Next Slip
3/4		7						

General

At Surveys	Degree

MOTOR HOURS		Next Oil Change
1	402	
2	402	
3	402	
4	402	
5	402	

FUEL Gals.
WATER Bbls.
COAL Tons

REMARKS	Time Start	Stop	Interval
DRILLING 6¼" HOLE	12	12 45	¾
RIG SERVICE + C.O.P.	12 45	1	¼
WORK ON PUMP	1	1 30	½
DRILLING 6¼" HOLE	1 30	5	3½
WORK ON PUMP	5	9	3

Tour — 8 a.m. to 4 p.m.

Specify actual hours worked	Hrs.
Driller	
Derrick	
Floor	
Floor	
Floor	
Motor	
Mechanic	
Extra	

Injuries:

Fires:

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles
2011	7	2018	7½			

DRILL COLLARS

No.	O. D.	I. D.	Length	Wgt.	C.B. Ft.	Subs Ft.	Ft. Up On Kelly
8	7¾	2"	219.9	[illegible]			27½

IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES

B I T S	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
	5	6¼	HW 1R	92019	12	20	[illegible]	[illegible]			[illegible]

MUD	8 a.m.	10 a.m.	12 noon	2 p.m.
WEIGHT			9.1	
VISCOSITY			2-	
GEL			[illegible]	
Pump Pressure Model				
Pump Pressure Model				
Pump S.P.M. Model				
Pump Liner Size Model				

Additives

W.L. F.C. pH.

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or Cut	Feet Left on Spool	Next Slip
4		4						

General [illegible]

At Surveys	Degree

MOTOR HOURS		Next Oil Change
1	410	
2	410	
3	410	
4	410	
5	410	

FUEL Gals.
WATER Bbls.
COAL Tons

REMARKS	Time Start	Stop	Interval
Company Time Cont'r Time			
WORK ON PUMP	9	9 25	½
UNTHAW MACHINE - KELLY	9 25	9 [illegible]	1
RIG SERVICE + C.O.P.	9 [illegible]	10	½
DRILLING CHEVRON	10	10 [illegible]	[illegible]
CIRC SAMPLES	10 [illegible]	11 3	3½
NORTON FLOOR MOTOR	11 30	1	1½
HOIST 1st MOTOR	1	3	2
RUN IN COLLARS + WATER OUTLETS	3	3 30	½
WAIT ON OVERSHOT	3 30	4 00	½
broke diverter and dropped bit collar & sub: went on fishing tools			

Tour — 4 p.m. to Midnight

Specify actual hours worked	Hrs.
Driller H. CHADWICK	12
Derrick J. HILL	12
Floor	
Floor J. HARRINGTON	12
Floor	
Motor E. ANDERSON	12
Mechanic	
Extra	

Injuries:

Fires:

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles
2018						

DRILL COLLARS

No.	O. D.	I. D.	Length	Wgt.	C.B. Ft.	Subs Ft.	Ft. Up On Kelly
							27½

IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES

B I T S	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.
WEIGHT				
VISCOSITY				
GEL				
Pump Pressure Model				
Pump Pressure Model				
Pump S.P.M. Model				
Pump Liner Size Model				

Additives

W.L. F.C. pH.

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or Cut	Feet Left on Spool	Next Slip

General CHANGE [illegible] BITS

At Surveys	Degree

MOTOR HOURS		Next Oil Change
1		
2		
3		
4		
5		

FUEL [illegible] Gals.
WATER [illegible] Bbls.
COAL Tons

REMARKS	Time Start	Stop	Interval
Company Time Cont'r Time			
WAIT ON OVERSHOT	4 00	12 00	7
			[illegible]
Company Time Cont'r Time			

Totco Ring on Bit No. _____ D.P. Calipered Date _____ Results _____ From Pipe Rack _____

B.O.P. Test-Operated _____ Time _____ Results _____

Total Contractor Time _____ Hrs. Toolpusher _____

Total Company Time _____ Hrs. Approved by _____

FORM E-2

THIS COPY TO CONSERVATION BOARD (MAIL TO CALGARY OFFICE)

SEDCO DAILY DRILLING REPORT

RIG No. 77 LOCATION C.O.R. WILLS LAKE W 20 AREA N.W.T. DATE Feb 1/61

Tour — Midnight - 8 a.m.

Specify actual hours worked	Hrs.
Driller K STURM	12
Derrick A BISSPERGH	12
Floor	
Floor D DUCHARME	12
Floor D ROSS	4
Motor	
Mechanic	
Extra	

Injuries:

Fires:

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles
1905	21	19	3	26		2

DRILL COLLARS

No.	O. D.	I. D.	Length	Wgt.
8	7 3/4	2 1/2	248	

C.B. Ft. | Subs Ft. | Ft. Up On Kelly

IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES

BITS	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
	5	6 1/4	H.D. OSC-1G	K.K. 17		120	21				1 4
	5R	6 1/4	4								

MUD	12 Mn.	2 a.m.	4 a.m.	6 a.m.	Additives
WEIGHT	9.2	9.2			
VISCOSITY	45	55			
GEL		pac			
Pump Pressure Model	305				
Pump Pressure Model					
Pump S.P.M. Model	C				
Pump S.P.M. Model	62				
Pump Liner Size Model	5 1/2				
Pump Liner Size Model	5 1/2 x 12				

W.L. 56 F.C. 2/32 pH. 9.5

At Surveys Degree

MOTOR HOURS		Next Oil Change	FUEL
1	394		Gals.
2	378		WATER
3	379		Bbls.
4	379		COAL
5	378		Tons

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or Cut	Feet Left on Spool	Next Slip
3/4		4						

General

Tour — 8 a.m. to 4 p.m.

Specify actual hours worked	Hrs.
Driller	
Derrick	
Floor	
Floor	
Floor	
Motor	
Mechanic	
Extra	

Injuries:

Fires:

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles
1921				30		16

DRILL COLLARS

No.	O. D.	I. D.	Length	Wgt.
8	7 3/4	2 1/2	248	

C.B. Ft. | Subs Ft. | Ft. Up On Kelly: DN

IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES

BITS	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
	5	6 1/4	HWDW 17	93014							

MUD	8 a.m.	10 a.m.	12noon	2 p.m.	Additives
WEIGHT					
VISCOSITY					
GEL					
Pump Pressure Model					
Pump Pressure Model					
Pump S.P.M. Model					
Pump S.P.M. Model					
Pump Liner Size Model					
Pump Liner Size Model					

W.L. F.C. pH.

At Surveys Degree

MOTOR HOURS		Next Oil Change	FUEL
1	376		Gals.
2	376		WATER
3	376		Bbls.
4	376		COAL
5	376		Tons

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or Cut	Feet Left on Spool	Next Slip
3/4		4						

General

Tour — 4 p.m. to Midnight

Specify actual hours worked	Hrs.
Driller H. CHADWICH	12
Derrick J HILL	12
Floor	
Floor J HARRINGTON	12
Floor	
Motor R ANDERSON	14
Mechanic	
Extra	

Injuries:

Fires:

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles
1926	10	1976	6	22		58

DRILL COLLARS

No.	O. D.	I. D.	Length	Wgt.
8	6 3/4	2 1/2	248	10

C.B. Ft. | Subs Ft. | Ft. Up On Kelly: 10

IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES

BITS	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
	6	6 1/4	HW W7	93018		120					

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.	Additives
WEIGHT	9.4	9.4	9.5	9.5	small steam H.O
VISCOSITY	65	65	65	55	VC 10 — 100LB
GEL					
Pump Pressure Model	250	250	250	300	
Pump Pressure Model	C-150-B				
Pump S.P.M. Model	62	62	62	62	
Pump S.P.M. Model					
Pump Liner Size Model	5 1/2 x 12				
Pump Liner Size Model					

W.L. F.C. pH.

At Surveys Degree

MOTOR HOURS		Next Oil Change	FUEL
1	394		2 Gals.
2	—		WATER
3	—		1 Bbls.
4	—		COAL
5	—		Tons

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or Cut	Feet Left on Spool	Next Slip
3/4		4						

General

Totco Ring on Bit No. _____ D.P. Calipered Date _____ Results _____ From Pipe Rack _____

B.O.P. Test-Operated _____ Time _____ Results _____

FORM E-2

DAY WORK RECORD

No. 3712

NOTE—Please show FOOTAGE made while "Control Drilling" as well as HOURS.

REMARKS	Time Start	Stop	Interval
DRILLING 6 1/4" HOLE	12	3	3
[illegible]	3	3 1/2	1/2
[illegible]	3 1/2	4 1/2	1
[illegible]	4 1/2	6	1 1/2
[illegible]	6	7	1
[illegible]	7	8	1
Company Time Cont'r Time			
RIG SERVICE & REPAIR	8	8 1/2	1/2
WORK ON PIPE	8 1/2	9 1/2	1
WORK ON AIR LINES	9 1/2	10	1/2
RIG UP SAND [illegible]	10	12 1/2	2 1/2
WAIT ON WELDER & WELD ON	12 1/2	4	1/2
RE-[illegible]			
Company Time Cont'r Time			
WELD ON KELLY BUSHING	4	4 1/2	1/2
REAM 60'	4 1/2	6	1 1/2
DRLG 6 1/4 HOLE	6	12	6
Company Time Cont'r Time			

Total Contractor Time _____ Hrs. Toolpusher _____

Total Company Time _____ Hrs. Approved by _____

THIS COPY TO CONSERVATION BOARD (MAIL TO CALGARY OFFICE)

SEDCO DAILY DRILLING REPORT

DAY WORK RECORD No. 3711

NOTE—Please show FOOTAGE made while "Control Drilling" as well as HOURS.

RIG No. 77 LOCATION 2 DR CAMP ... EAST ... AREA WEST DATE F... 1...

Tour — Midnight - 8 a.m.

Specify actual hours worked	Hrs.
Driller F. HOMES	8
Derrick R. JOSTHEIM	8
Floor	
Floor R. BALFOUR	8
Floor	
Motor D. TIZZARD	8
Mechanic	
Extra	

Injuries:

Fires:

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles
1295'				26 M		53

DRILL COLLARS No.	O. D.	I. D.	Length	Wgt.	C.B. Ft.	Subs Ft.	Ft. Up On Kelly
							4

IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES

BITS	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
	5										
	4										

MUD	12 Mn.	2 a.m.	4 a.m.	6 a.m.
WEIGHT				
VISCOSITY				
GEL				
Pump Pressure Model				
Pump S.P.M. Model				
Pump Liner Size Model				

Additives

At Surveys Degree	

MOTOR HOURS		Next Oil Change	FUEL
1			Gals.
2			WATER
3			Bbls.
4			COAL
5			Tons

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet	Cut	Feet Left on Spool	Next Slip

General

W.L. F.C. pH.

REMARKS	Time Start	Stop	Interval
TESTING	1:00	2:30	2 1/2
BREAK DOWN TEST HEAD	2:30	2:45	1/4
LAY DOWN CORE BBL	2:45	3:15	1/2
HOIST TEST TOOL	3:15	4:00	3/4
WORK ON BOILER	4:00	5:00	1
HOIST TEST TOOL	5:00	6:30	1 1/2
WORK ON BOILER	6:00	7:00	1
HOIST	7:00	8:00	1

Tour — 8 a.m. to 4 p.m.

Specify actual hours worked	Hrs.
Driller K. STURM	8
Derrick C. GUSTAFSON	8
Floor	
Floor J. LOCKHART	8
Floor	
Motor	
Mechanic	
Extra	

Injuries: 0 Changed Bit Ran Testing on

Fires: 0 @ 10.00 A.M.

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles
1295						

DRILL COLLARS No.	O. D.	I. D.	Length	Wgt.	C.B. Ft.	Subs Ft.	Ft. Up On Kelly
4	7 7/8	2"	217.72	10			

IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES

BITS	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
	4	6 7/8	HUGHES HP3PJ	82 7705							
	4	R	R								

MUD	8 a.m.	10 a.m.	12 noon	2 p.m.
WEIGHT				
VISCOSITY				
GEL				
Pump Pressure Model				
Pump S.P.M. Model				
Pump Liner Size Model				

Additives

At Surveys Degree	

MOTOR HOURS		Next Oil Change	FUEL
1	362		Gals.
2	362		WATER
3	362		Bbls.
4	362		COAL
5	362		Tons

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet	Cut	Feet Left on Spool	Next Slip
7 7/8		4							

General

W.L. F.C. pH.

Company Time	Cont'r Time		
FINISH OUT	1:00	1:30	1/2
BREAK DOWN TOOL	1:30	9:00	24
RIG SERV. & LOP	9:00	9:30	1/2
WAIT ON ORDERS/CHARTS	9:30	11:00	1 1/2
FINISH LAYING DOWN DC	11:00	11:30	1/2
RUN IN STAND	11:30	11:45	1/4
WORK ON POWER MOTOR	11:45	12:30	3/4
RUN IN STAND	12:30	2:30	2
WORK ON SWIVEL	2:30	2:45	1/4
WAIT ON ORDERS	2:45	3:00	1/4
RIG UP CAT & WORK ON TOOL	3:00	4:00	1

Tour — 4 p.m. to Midnight

Specify actual hours worked	Hrs.
Driller H. CHADWICK	16
Derrick T. HILL	16
Floor	
Floor J. HARRINGTON	2
Floor	
Motor H. WATSON	8
Mechanic	
Extra	

Injuries:

Fires:

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles
1295	10	1305	1/2	26 M		56

DRILL COLLARS No.	O. D.	I. D.	Length	Wgt.	C.B. Ft.	Subs Ft.	Ft. Up On Kelly
8	7 7/8	2"	214.41	10 M			214

IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES

BITS	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
	3	6 7/8	HUGHES OSC3G	82 4774	10 M	120	10		12'	1 1/4	Run
	4	R	R								

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.
WEIGHT				
VISCOSITY				
GEL				
Pump Pressure Model				
Pump S.P.M. Model				
Pump Liner Size Model				

Additives

At Surveys Degree	

MOTOR HOURS		Next Oil Change	FUEL
1	370		Gals.
2	370		WATER
3	370		Bbls.
4	370		COAL
5	370		Tons

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet	Cut	Feet Left on Spool	Next Slip
7 7/8									

General

W.L. F.C. pH.

Company Time	Cont'r Time		
WORK ON SWIVEL SECTION	4:00		
WAIT ON SAME		9:30	4 1/2
WORK ON BREAK	9:30	9:00	1/2
REAM RAT HOLE	9:00	12:00	1 1/2
DRILL 1/2 HOLE	12:00	12:00	1 1/2

Totco Ring on Bit No. ____ D.P. Calipered Date ____ Results ____ From Pipe Rack ____

B.O.P. Test-Operated ____ Time ____ Results ____

Total Contractor Time ____ Hrs. Toolpusher ____

Total Company Time ____ Hrs. Approved by ____

FORM E-2

THIS COPY TO CONSERVATION BOARD (MAIL TO CALGARY OFFICE)

SEDCO DAILY DRILLING REPORT

No. 3710

RIG No. 77 LOCATION C-p-C ... Mon Lsd #22 AREA N.W.T. DATE FEB 2/62

DAY WORK RECORD

NOTE—Please show FOOTAGE made while "Control Drilling" as well as HOURS.

REMARKS	Time Start	Stop	Interval
Circ To Bottom	12:00	12:30	½
Rig Svc - 1 B.O.P.S	12:30	12:45	¼
Cut Core #3	12:45	3:00	2¼
Dress Off Casing Facing	3:00	3:30	½
Cut Core #3	3:30	6:15	2¾
Hoist Core	6:15	7:00	¾
Work On Boiler	7:00	8:00	1

Company Time / Cont'r Time

Hoist Core #3	1st	1½	2½
Work On Boiler	5th	11th	1½
Recover Core #3	11th	12th	1
Wait On Orders	12th	2:30	2½
Dress Core Head Jack	2:30	4th	1½

Company Time / Cont'r Time

Stand Out Of Core Barrel	4th	4:30	½
Rig Up Tools	4:30	7:45	¼
Run In	7:45	9:45	2
Rig To Test	9:45	10:15	½
Test	10:15	12th	1¾

Company Time / Cont'r Time

Tour — Midnight - 8 a.m.

Specify actual hours worked	Hrs.
Driller F. Hames	8
Derrick R. Trasthelin	8
Floor	
Floor R. Baldwin	8
Floor	8
Motor D. Tittsworth	8
Mechanic	
Extra	

Injuries:

Fires:

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles
1874	21	1895	5	26		59

DRILL COLLARS

No.	O.D.	I.D.	Length	Wgt.	C.B. Ft.	Subs Ft.	Ft. Up On Kelly
2	7¾	2	61.5	4M			41

IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES

BITS	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
	5	6 5/8	Chris O	E9713	1 000		9				Good

MUD	12 Mn.	2 a.m.	4 a.m.	6 a.m.
WEIGHT	9.2	9.2	9.2	9.2
VISCOSITY	61	54	54	54
GEL				
Pump Pressure Model	600	550		550
Pump Pressure Model				
Pump S.P.M. Model	50	50		50
Pump S.P.M. Model				
Pump Liner Size Model	5½	5½		5½
Pump Liner Size Model				

Additives: Gel - Flow

At Surveys	Degree

MOTOR HOURS

		Next Oil Change
1	370	
2	/	
3	/	
4	/	
5	✓	

FUEL: 2 Gals. / WATER Bbls. / COAL Tons

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or Cut	Feet Left on Spool	Next Slip
5/8		4						

General

W.L. — F.C. 2/32 pH. 9

Tour — 8 a.m. to 4 p.m.

Specify actual hours worked	Hrs.
Driller R. Sturgill	8
Derrick D. Beecroft	8
Floor	
Floor T. Dunn	8
Floor	
Motor	
Mechanic	
Extra	

Injuries:

Fires:

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles
1895				26		57

DRILL COLLARS

No.	O.D.	I.D.	Length	Wgt.	C.B. Ft.	Subs Ft.	Ft. Up On Kelly
8	7¾	2	2199	M			4

IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES

BITS	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION

MUD	8 a.m.	10 a.m.	12 noon	2 p.m.
WEIGHT				9.3
VISCOSITY				45
GEL				
Pump Pressure Model				
Pump Pressure Model				
Pump S.P.M. Model				
Pump S.P.M. Model				
Pump Liner Size Model				
Pump Liner Size Model				

Additives:

At Surveys	Degree

MOTOR HOURS

		Next Oil Change
1	228	
2	228	
3	228	
4	228	
5	228	

FUEL: Gals. / WATER / Bbls. / COAL Tons

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or Cut	Feet Left on Spool	Next Slip
3/4		4						

General

W.L. 58 F.C. 2/32 pH. 11.5

Tour — 4 p.m. to Midnight

Specify actual hours worked	Hrs.
Driller H. Craddock	8
Derrick Ricard	8
Floor	
Floor T. Hill	8
Floor	
Motor R. E. Peterson	8
Mechanic	
Extra	

Injuries:

Fires:

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles
1946				26		53

DRILL COLLARS

No.	O.D.	I.D.	Length	Wgt.	C.B. Ft.	Subs Ft.	Ft. Up On Kelly
7	7¾	2"	2141	M			4

IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES

BITS	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.
WEIGHT				
VISCOSITY				
GEL				
Pump Pressure Model				
Pump Pressure Model				
Pump S.P.M. Model				
Pump S.P.M. Model				
Pump Liner Size Model				
Pump Liner Size Model				

Additives:

At Surveys	Degree

MOTOR HOURS

		Next Oil Change
1	746	
2	—	
3	—	
4	—	
5	—	

FUEL: 2' Gals. / WATER / 4' Bbls. / COAL Tons

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or Cut	Feet Left on Spool	Next Slip
3/4		4						

General

W.L. F.C. pH.

Totco Ring on Bit No. ____ D.P. Calipered Date ____ Results ____ From Pipe Rack ____

B.O.P. Test-Operated ____ Time ____ Results ____

Total Contractor Time ____ Hrs. Toolpusher ____

Total Company Time ____ Hrs. Approved by ____

FORM E-2

THIS COPY TO CONSERVATION BOARD (MAIL TO CALGARY OFFICE)

SEDCO DAILY DRILLING REPORT

No. 3709

RIG No. 22 LOCATION C-DD Pan Am Westlake N-22 AREA W.D.T. DATE Feb 11/62

DAY WORK RECORD

NOTE—Please show FOOTAGE made while "Control Drilling" as well as HOURS.

Tour — Midnight - 8 a.m.

Specify actual hours worked	Hrs.
Driller F HAINES	8
Derrick B FISHER	8
Floor	8
Floor K BALFOUR	8
Floor	8
Motor D TIZZARD	8
Mechanic	
Extra	

Injuries:

Fires:

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles
1320	20	1340	5	31		32

DRILL COLLARS

No.	O. D.	I. D.	Length	Wgt.
8	4 3/4	2	244	10M

C.B. Ft. | Subs Ft. | Ft. Up On Kelly: 19

IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES

BITS	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
	3	6 1/4	CHRIST ◇	EC 9718	8-10M	80	70	14 1/2			

MUD	12 Mn.	2 a.m.	4 a.m.	6 a.m.
WEIGHT	93			1.2
VISCOSITY	40			45
GEL				
Pump Pressure Model	700	70		575
Pump Pressure Model				
Pump S.P.M. Model	53	53		1
Pump S.P.M. Model				
Pump Liner Size Model	5 1/2	5 1/2	5 1/2	1/2
Pump Liner Size Model				

Additives: C = Caustic; UC 10 = Soda Ash; Quebracho; Core "75"

W.L. 7.5 F.C. 2/32 pH. 8

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or Cut	Feet Left on Spool	Next Slip

General

MOTOR HOURS		Next Oil Change	FUEL
1	306		4 Gals.
2	—		WATER
3	—		Bbls.
4	—		COAL
5	—		Tons

At Surveys Degree

REMARKS	Time Start	Stop	Interval	
Rig Ser ✓ Bits	8:00	12:00	4	
Cut Core #2	12:15	1:45	1 1/2	
Work on Pump	1:45	2:00	1/4	
Core	2:00	2:30	1/2	1/2
Change Swivel Packing	2:30	5:00	2 1/2	
Cut Core #2	5:00	8:00	3	3

Tour — 8 a.m. to 4 p.m.

Specify actual hours worked	Hrs.
Driller R STURM	8
Derrick C BIESBRECHT	8
Floor	
Floor T DUCHARME	8
Floor	
Motor	
Mechanic	
Extra	

Injuries:

Fires:

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles
1340	32	1672	21	29M		53

DRILL COLLARS

No.	O. D.	I. D.	Length	Wgt.
8	4 3/4	2"	219 ft	10M

C.B. Ft. | Subs Ft. | Ft. Up On Kelly: 23

IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES

BITS	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
	5	6 1/4	CHRIST. ◇	EC 9718	8,000	45	102	21 1/4			Run

MUD	8 a.m.	10 a.m.	12 noon	2 p.m.
WEIGHT	9.2	9.2	9.2	9.2
VISCOSITY	60	71	53	42
GEL				
Pump Pressure Model	700	100	100	100
Pump Pressure Model	C-150			
Pump S.P.M. Model	50	50	51	51
Pump S.P.M. Model				
Pump Liner Size Model	5 1/2	5 1/2	5 1/2	
Pump Liner Size Model				

Additives: V.C. 10 300 lbs; Q = 2 - 20 LBS; Caustic - 20 sks

W.L. 4.6 F.C. 2/32 pH. 11.5

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or Cut	Feet Left on Spool	Next Slip
5 1/4		4						

General

MOTOR HOURS		Next Oil Change	FUEL
1	314		Gals.
2	314		WATER
3	314		Bbls.
4	314		COAL
5	314		Tons

At Surveys Degree

REMARKS	Time Start	Stop	Interval	
Company Time Cont'r Time				
Cut Core #2	1 PM	9:45	1 1/4	
Work on Swivel	9:45	10 PM	3/4	
Change Swivel Packing	10 PM	11 PM	1	
Cut Core #2	11 PM	4 AM	5	

Tour — 4 p.m. to Midnight

Specify actual hours worked	Hrs.
Driller C HAINES	8
Derrick B WARD	8
Floor	
Floor T HILL	8
Floor	
Motor R ANDERSON	8
Mechanic	
Extra	

Injuries:

Fires:

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles
1672	2	1674	1/4	24M		

DRILL COLLARS

No.	O. D.	I. D.	Length	Wgt.
8	4 3/4	2"	214 ft	10M

C.B. Ft. | Subs Ft. | Ft. Up On Kelly: 23

IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES

BITS	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
	5	6 1/4	CHRIST ◇	EC 9718	8,000	45	104	21 3/4			Good

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.
WEIGHT				
VISCOSITY				
GEL				
Pump Pressure Model				
Pump Pressure Model				
Pump S.P.M. Model				
Pump S.P.M. Model				
Pump Liner Size Model				
Pump Liner Size Model				

Additives:

W.L. F.C. pH.

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or Cut	Feet Left on Spool	Next Slip
5 1/4		4						

General

MOTOR HOURS		Next Oil Change	FUEL
1	322		Gals.
2	—		WATER
3	—		Bbls.
4	—		COAL
5	—		Tons

At Surveys Degree

REMARKS	Time Start	Stop	Interval	
Company Time Cont'r Time				
CUT CORE #2	4 PM	4:15	1/4	1/4
Rig Ser / Bits	4:15	4:30	1/4	
HOIST CORE #2	4:30	6	1 1/2	
RECOVER CORE #2	6 PM	7:15	1 1/4	
W O R	7:15	7:45	1 1/2	
Run In	7:45	9:00	1/4	
Garton Floor Motor	9:00	10:00	1 1/2	
Run In	10:00	11:30	1 1/2	
Unthaw Kelly	11:30	12 AM	1/2	

Company Time Cont'r Time

Totco Ring on Bit No. _____ D.P. Calipered Date _____ Results _____ From Pipe Rack _____

B.O.P. Test-Operated _____ Time _____ Results _____

Total Contractor Time _____ Hrs. Toolpusher _____

Total Company Time _____ Hrs. Approved by _____

FORM S-2

THIS COPY TO CONSERVATION BOARD (MAIL TO CALGARY OFFICE)

SEDCO — DAILY DRILLING REPORT

RIG No. 7 LOCATION _____ AREA _____ DATE 5/31

DAY WORK RECORD

No. 3708

NOTE—Please show FOOTAGE made while "Control Drilling" as well as HOURS.

Tour — Midnight - 8 a.m.

Specify actual hours worked	Hrs.
Driller E. [illegible]	
Derrick R. [illegible]	
Floor	
Floor	
Floor	
Motor	
Mechanic	
Extra	

Injuries:

Fires:

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles
1772						

DRILL COLLARS

No.	O. D.	I. D.	Length	Wgt.	C.B. Ft.	Subs Ft.	Ft. Up On Kelly

IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES

BITS	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
	5	6¾	[illegible]	[illegible]	[illegible]						

MUD	12 Mn.	2 a.m.	4 a.m.	6 a.m.
WEIGHT	9[illegible]	9[illegible]	9[illegible]	9[illegible]
VISCOSITY	45	44	44	43
GEL				
Pump Pressure Model	7			650
Pump Pressure Model				
Pump S.P.M. Model	44	19		21
Pump S.P.M. Model				
Pump Liner Size Model	5½	1	50	5½
Pump Liner Size Model				

Additives [illegible]

At Surveys Degree

MOTOR HOURS		Next Oil Change
1	242	
2	242	
3	242	
4	241	
5	241	

FUEL [illegible] Gals.

WATER 2[illegible] Bbls.

COAL Tons

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or Cut	Feet Left on Spool	Next Slip

General

W.L. 49 F.C. [illegible] pH. 9

Tour — 8 a.m. to 4 p.m.

Specify actual hours worked	Hrs.
Driller R. STURM	8
Derrick G. GIESORECHT	8
Floor	
Floor J. DUCHARME	8
Floor	8
Motor D. MOSICKI	8
Mechanic	
Extra	

Injuries:

Fires:

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles
1799	21	1820	3¼	210		51

DRILL COLLARS

No.	O. D.	I. D.	Length	Wgt.	C.B. Ft.	Subs Ft.	Ft. Up On Kelly
4	4¾	2"	219	19[illegible]			?

IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES

BITS	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
	5	6¾	CHRIST O	FC9714	[illegible]	80	20	10½			good

MUD	8 a.m.	10 a.m.	12 noon	2 p.m.
WEIGHT	94	94		
VISCOSITY	34	34		
GEL				
Pump Pressure Model	650	650		
Pump Pressure Model				
Pump S.P.M. Model	[illegible]	[illegible]		
Pump S.P.M. Model	49	79		
Pump Liner Size Model	5½	X 12		
Pump Liner Size Model				

Additives

At Surveys Degree

MOTOR HOURS		Next Oil Change
1	290	
2	290	
3	290	
4	290	
5	290	

FUEL Gals.

WATER Bbls.

COAL Tons

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or Cut	Feet Left on Spool	Next Slip
3/4		4						

General

W.L. F.C. pH.

Tour — 4 p.m. to Midnight

Specify actual hours worked	Hrs.
Driller H. CHADWICK	7
Derrick E. [illegible]	9
Floor	
Floor T. HILL	12
Floor	
Motor R. ANDERSON	1
Mechanic	
Extra	

Injuries:

Fires:

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles
1820						

DRILL COLLARS

No.	O. D.	I. D.	Length	Wgt.	C.B. Ft.	Subs Ft.	Ft. Up On Kelly
9	4¾	2"	2[illegible]	[illegible]			19

IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES

BITS	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
	5	6¾	CHRIST O	FC9714							

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.
WEIGHT				
VISCOSITY				
GEL				
Pump Pressure Model				
Pump Pressure Model				
Pump S.P.M. Model				
Pump S.P.M. Model				
Pump Liner Size Model				
Pump Liner Size Model				

Additives [illegible]

At Surveys Degree

MOTOR HOURS		Next Oil Change
1	297	
2	—	
3	—	
4	—	
5	—	

FUEL 3[illegible] Gals.

WATER Bbls.

COAL Tons

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or Cut	Feet Left on Spool	Next Slip
3/4		4						

General

W.L. F.C. pH.

REMARKS	Time Start	Time Stop	Interval
Company Time Cont'r Time			
CUT CORE #1	4[illegible]	9[illegible]	1¼
RIG SERV. / B.O.P.	9[illegible]	9[illegible]	½
WORK ON PUMP	9[illegible]	10[illegible]	½
CUT CORE #1	10[illegible]	12[illegible]	1¾
WORK ON SWIVEL	12[illegible]	12[illegible]	¾
CUT CORE #1	12[illegible]	1[illegible]	¼
HOIST	1[illegible]	4[illegible]	3
Company Time Cont'r Time			
RECOVER CORE #1	4[illegible]	5[illegible]30	1½
RUN IN COLLARS	5[illegible]30	6[illegible]00	½
CHANGE SWIVEL PACKING	6[illegible]00	7[illegible]30	2½
RUN IN	7[illegible]30	10[illegible]	1½ 1
CIRC TO BOTTOM 21' FT	10[illegible]	12[illegible]	2
Company Time Cont'r Time			

Totco Ring on Bit No. _____ D.P. Calipered Date _____ Results _____ From Pipe Rack _____

B.O.P. Test-Operated _____ Time _____ Results _____

Total Contractor Time _____ Hrs. Toolpusher _____

Total Company Time _____ Hrs. Approved by _____

FORM E-2

THIS COPY TO CONSERVATION BOARD (MAIL TO CALGARY OFFICE)

SEDCO DAILY DRILLING REPORT

DAY WORK RECORD No. 3707

NOTE—Please show FOOTAGE made while "Control Drilling" as well as HOURS.

RIG No. 1 LOCATION _____ AREA _____ DATE _____

Tour — Midnight - 8 a.m.

Specify actual hours worked	Hrs.
Driller F HAMES	8
Derrick R TOOSTHE	8
Floor	
Floor R BALDER	8
Floor	
Motor D. TEZZAN	8
Mechanic	
Extra	

Injuries:

Fires:

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles
1770						

DRILL COLLARS

No.	O. D.	I. D.	Length	Wgt.
8	4½	2	1991	

C.B. Pt. | Subs Pt. | Ft. Up On Kelly: 4'

IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES

BITS	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
	4	6	HUGHES 16	[illegible]							

MUD	12 Mn.	2 a.m.	4 a.m.	6 a.m.	Additives
WEIGHT					
VISCOSITY	TESTING				
GEL					
Pump Pressure Model					
Pump Pressure Model					
Pump S.P.M. Model					
Pump S.P.M. Model					
Pump Liner Size Model					
Pump Liner Size Model					

W.L. _____ F.C. _____ pH. _____

At Surveys Degree

MOTOR HOURS		Next Oil Change
1	2[illegible]	
2	2[illegible]	
3	2[illegible]	
4	2[illegible]	
5	2[illegible]	

FUEL 3[illegible] Gals.

WATER _____ Bbls.

COAL _____ Tons

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or Cut	Feet Left on Spool	Next Slip

General

REMARKS	Time Start	Stop	Interval
TESTING	12-0	1-4	1
HOIST [illegible]	1-45	5-45	4
BREAK DOWN [illegible] TEST TOOL	5-45	5-45	½
RUN IN WB -	5-45	7-30	1¾
THROW OUT KELLY	7-30	7-45	¼
REAM TO BOTTOM 55	7-45	8-00	¼

Tour — 8 a.m. to 4 p.m.

Specify actual hours worked	Hrs.
Driller K STORM	8
Derrick D MOSIUK	8
Floor	
Floor D FOUR	8
Floor	
Motor G CROCKETT	8
Mechanic	
Extra	

Injuries:

Fires:

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles
1770						

DRILL COLLARS

No.	O. D.	I. D.	Length	Wgt.
8	4½	2	1991	

C.B. Pt. | Subs Pt. | Ft. Up On Kelly

IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES

BITS	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
	5	6 3/4	CHRIST D	EC9719							

MUD	8 a.m.	10 a.m.	12 noon	2 p.m.	Additives
WEIGHT	9.3				
VISCOSITY	68				
GEL					
Pump Pressure Model	300				
Pump Pressure Model	[illegible]				
Pump S.P.M. Model					
Pump S.P.M. Model	40				
Pump Liner Size Model					
Pump Liner Size Model	[illegible]				

W.L. 5.2 F.C. 2/32 pH. 9.5

At Surveys Degree

MOTOR HOURS		Next Oil Change
1	266	
2	266	
3	266	
4	266	
5	266	

FUEL 1 Gals.

WATER _____ Bbls.

COAL _____ Tons

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or Cut	Feet Left on Spool	Next Slip
7/4		4						

General

Company Time / Cont'r Time

CIRC TO CORE	4[illegible]	9[illegible]	1
HOIST	9[illegible]	10[illegible]	1¼
PICK UP CORE BBLS &	10[illegible]	[illegible]	[illegible]
SERVICE SAME		1[illegible]	¾
RUN IN SLOW	1[illegible]	[illegible]20	2
UNTHAW KELLY	[illegible]	[illegible]	½
WORK ON BRAKES	[illegible]	[illegible]42	¼
CIRC TO DROP BALL	3[illegible]	4[illegible]	¼

Tour — 4 p.m. to Midnight

Specify actual hours worked	Hrs.
Driller W CHADWICK	8
Derrick E WARD	4
Floor	
Floor J HILL	4
Floor	
Motor R ANDERSON	4
Mechanic	
Extra	

Injuries:

Fires:

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles
1770						

DRILL COLLARS

No.	O. D.	I. D.	Length	Wgt.
8	4¾	2 11	2194	160000

C.B. Pt. | Subs Pt. | Ft. Up On Kelly

IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES

BITS	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
	3	6 3/4	CHRIST D	EC4719							

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.	Additives
WEIGHT					
VISCOSITY					
GEL					
Pump Pressure Model					
Pump Pressure Model					
Pump S.P.M. Model					
Pump S.P.M. Model					
Pump Liner Size Model					
Pump Liner Size Model					

W.L. _____ F.C. _____ pH. _____

At Surveys Degree

MOTOR HOURS		Next Oil Change
1	274	
2	—	
3	—	
4	—	
5	—	

FUEL 2 ½ Gals.

WATER 7 ½ Bbls.

COAL _____ Tons

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or Cut	Feet Left on Spool	Next Slip
7/4		4						

General

DROPPED WRONG BALL 44
TOOL LINKAGE JAMMED
HOLE PORTS

Company Time / Cont'r Time

DROP BALL - UNABLE TO CIRCULATE 40			
AFTER DROPPING BALL PULL OUT WET		4[illegible]	4
WORK ON CORE BBLS	4[illegible]	4[illegible]30	1½
RUN IN SLOW	9[illegible]30	11[illegible]15	1¼
UNTHAW KELLY	11[illegible]15	11[illegible]4	½
CIRC TO DROP BALL	11[illegible]45	12[illegible]	1

Totco Ring on Bit No. _____ D.P. Calipered Date _____ Results _____ From Pipe Rack _____

B.O.P. Test-Operated _____ Time _____ Results _____

Total Contractor Time _____ Hrs. Toolpusher _____

Total Company Time _____ Hrs. Approved by _____

FORM E-2

THIS COPY TO CONSERVATION BOARD (MAIL TO CALGARY OFFICE)

SEDCO DAILY DRILLING REPORT

DAY WORK RECORD No. 3706

NOTE—Please show FOOTAGE made while "Control Drilling" as well as HOURS.

RIG No. 77 LOCATION CDR Canada AREA D.I.I. DATE Jan 29/62

Tour — Midnight - 8 a.m.

Specify actual hours worked | Hrs.

Driller E. Hamers
Derrick R. Tessmann
Floor
Floor R. Baker
Floor
Motor D. Tessmann 12
Mechanic
Extra

Injuries:

Fires:

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles
1679	39	1718	5½	25	—	5

DRILL COLLARS No.	O. D.	I. D.	Length	Wgt.	C.B. Ft.	Subs Ft.	Ft. Up On Kelly
9	6½	2"	Longhead				18

IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES

BITS	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
	3	6¾	OSC 1G HW	91808	10000	150	134	19¾			

MUD	12 Mn.	2 a.m.	4 a.m.	6 a.m.	Additives	At Surveys	Degree
WEIGHT	9.5	10.5	10.2	9.6	Gel - Soda	1714	3½
VISCOSITY	54	65	65			1756	4
GEL							
Pump Pressure Model		1000	1000				
Pump S.P.M. Model	38	38	38	52			
Pump Liner Size Model		5½	5½	5½			

W.L. 5 F.C. 2/32 pH. 9

MOTOR HOURS	Next Oil Change	FUEL
1		4' Gals.
2		WATER
3		1½ Bbls.
4		COAL
5		Tons

Size	TRIPS	No. Liners	TON MILES	TOTAL MILES	Slip	Feet or Cut	Feet Left on Spool	Next Slip
¾								

General

Tour — 8 a.m. to 4 p.m.

Specify actual hours worked | Hrs.

Driller R. STAM 4
Derrick
Floor G. FISCHER 4
Floor
Floor
Motor L. NELSON 8
Mechanic
Extra

Injuries:

Fires:

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles
1656	17	1710	3¼	25		5

DRILL COLLARS No.	O. D.	I. D.	Length	Wgt.	C.B. Ft.	Subs Ft.	Ft. Up On Kelly
4	6½	2"	249.9 ft				4

IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES

BITS	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
	4	Ct.	HW. OSC-1G	91706	10,000	163	14	3¼			Fair

MUD	8 a.m.	10 a.m.	12 noon	2 p.m.	Additives	At Surveys	Degree
WEIGHT			9.0	9.6			
VISCOSITY			50	52			
GEL							
Pump Pressure Model			700	700			
Pump S.P.M. Model			40	40			
Pump Liner Size Model			6¼	6¼			

W.L. F.C. pH.

MOTOR HOURS	Next Oil Change	FUEL
1	242	14' Gals.
2	242	WATER
3	242	6½ Bbls.
4	242	COAL
5	242	Tons

Size	TRIPS	No. Liners	TON MILES	TOTAL MILES	Slip	Feet or Cut	Feet Left on Spool	Next Slip
¾		4						

General PIPE TALLY 1774.95
DRILL STRAD 1774.75
DIFF .20

Tour — 4 p.m. to Midnight

Specify actual hours worked | Hrs.

Driller HUDDLESTON 8
Derrick E. WARD 4
Floor
Floor T. HILL 8
Floor
Motor RANDERSON 8
Mechanic
Extra

Injuries:

Fires:

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles
1790				25000		11

DRILL COLLARS No.	O. D.	I. D.	Length	Wgt.	C.B. Ft.	Subs Ft.	Ft. Up On Kelly
9	6½	2½	249.9	1000			4

IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES

BITS	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.	Additives	At Surveys	Degree
WEIGHT							
VISCOSITY							
GEL							
Pump Pressure Model							
Pump S.P.M. Model							
Pump Liner Size Model							

W.L. F.C. pH.

MOTOR HOURS	Next Oil Change	FUEL
1	250	3 Gals.
2	—	WATER
3	—	3 Bbls.
4	—	COAL
5	—	Tons

Size	TRIPS	No. Liners	TON MILES	TOTAL MILES	Slip	Feet or Cut	Feet Left on Spool	Next Slip
7/8								

General

REMARKS	Time Start	Stop	Interval	
Drill (Control Drill)	12:00	1:00		1
Survey - Sec Service Boys	1:00	1:30	½	
Work on Pump	1:45	2:00	¼	
Drill (Control Drill)	2:00	6:00		4
Circ Bottoms Up & Survey	6:00	6:30	½	
Survey	6:30	6:45	¼	
Trip for bit (Strap Out.)	6:45	8:00	1¼	

Company Time	Cont'r Time			
START OUT		4:00	4:30	½
WORK ON SURVEY LINE		9:30	10:00	½
Run in Slow		10:00	12:00	2
REAM 40 TO BOTTOM		12:00	12:30	½
Drilling (Control Drl.)		12:30	1:15	¾
CIRC. SAMPLE		1:15	1:30	¼
WAIT ON ORDERS (Quit)		1:30	2:30	1
Dummy Trip 10 Stands		2:30	3:15	¾
CIRC. to Test.		3:15	4:00	¾

Company Time	Cont'r Time			
Hoist		4:00	6:00	2
Rig up Tool		6:00	7:30	1½
Run in		7:30	9:00	1½
Rig To Test		9:00	9:30	½
Testing		9:30	12:00	2½

Company Time	Cont'r Time

Totco Ring on Bit No. _____ D.P. Calipered Date _____ Results _____ From Pipe Rack _____

B.O.P. Tested-Operated _____ Time _____ Results _____

Total Contractor Time _____ Hrs. Total Company Time _____ Hrs.

Toolpusher _____ Approved by _____

FORM E-2

THIS COPY TO CONSERVATION BOARD (MAIL TO CALGARY OFFICE)

SEDCO — DAILY DRILLING REPORT

RIG No. 77 LOCATION C.D.R. CREMONA - MOSS LAKE D20 AREA N.W.T. DATE Jan 23/63

DAY WORK RECORD No. 3705

NOTE—Please show FOOTAGE made while "Control Drilling" as well as HOURS.

Tour — Midnight - 8 a.m.

Specify actual hours worked	Hrs.
Driller F. HOLMES	8
Derrick R. THORSHEIM	8
Floor	
Floor	
Floor R. BALSDON	8
Motor D. TIZZARD	8
Mechanic	
Extra	

Injuries:

Fires:

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles
1472	13	1485	4	24		4/2

DRILL COLLARS: No. 8 | O.D. 4 3/4 | I.D. 2" | Length 319.91 | Wgt. 10.00

C.B. Ft. | Subs Ft. | Ft. Up On Kelly 21'

IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES

BITS	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
	3	6 1/2	H.W. OSC 1G	91680	10,000	150	13	4			RUN

MUD	12 Mn.	2 a.m.	4 a.m.	8 a.m.
WEIGHT				9.1
VISCOSITY				36
GEL				
Pump Pressure Model				
Pump Pressure Model				
Pump S.P.M. Model				4
Pump S.P.M. Model				
Pump Liner Size Model				
Pump Liner Size Model				

Additives

At Surveys	Degree

MOTOR HOURS: 1 212 | 2 213 | 3 213 | 4 213 | 5 213

Next Oil Change

FUEL 15 Gals. | WATER | 2½ Bbls. | COAL | Tons

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or Cut	Feet Left on Spool	Next Slip

General

W.L. 9 F.C. 2/32 pH. 9

Tour — 8 a.m. to 4 p.m.

Specify actual hours worked	Hrs.
Driller K. STURM	0
Derrick D. HARWOOD	0
Floor	
Floor G. GIESBRECHT	0
Floor	
Motor D. MOSICKI	0
Mechanic	
Extra	

Injuries:

Fires:

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles
1485	112	1577	6½	27		66

DRILL COLLARS: No. 1 | O.D. 4 3/4 | I.D. 2" | Length 21.91 | Wgt. 10.00

C.B. Ft. | Subs Ft. | Ft. Up On Kelly 26'

IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES

BITS	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
	3	6 1/4	H.W. OSC 1G	91630	9,000	160	120	7¼			RUN

MUD	8 a.m.	10 a.m.	12 noon	2 p.m.
WEIGHT	9.0	9.2	9.3	9.3
VISCOSITY	37	43	47	70
GEL				
Pump Pressure Model	200	200	200	300
Pump Pressure Model		C-15		C
Pump S.P.M. Model	50	50	50	50
Pump S.P.M. Model				
Pump Liner Size Model	5½	5½	5½	5½
Pump Liner Size Model				

Additives: GEL 4.00 | CAUSTIC 50 | C.M.C. 50 | V.C. 10 2.00

At Surveys	Degree
1506	4¼
1565	4°

MOTOR HOURS: 1 214 | 2 214 | 3 214 | 4 214 | 5 214

Next Oil Change

FUEL 1 Gals. | WATER 72 Bbls. | COAL | Tons

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or Cut	Feet Left on Spool	Next Slip
5/8		4						

General

W.L. 7.2 F.C. 2/32 pH. 9.8

Tour — 4 p.m. to Midnight

Specify actual hours worked	Hrs.
Driller H. CHADWICK	8
Derrick E. WARD	8
Floor	
Floor F. HILL	8
Floor	
Motor R. ANDERSON	8
Mechanic	
Extra	

Injuries:

Fires:

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles
1577	100	1697	6½	24		44

DRILL COLLARS: No. 1 | O.D. 4 3/4 | I.D. 2 1/4 | Length 31.49 | Wgt. 10.00

C.B. Ft. | Subs Ft. | Ft. Up On Kelly 17'

IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES

BITS	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
	3	6 1/4	H.W. OSC 1G	91680	10,000	150	22'	13½			Run

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.
WEIGHT	9.6	9.4	9.5	9.2
VISCOSITY	82	52	55	42
GEL				
Pump Pressure Model	300	300	300	300
Pump Pressure Model				
Pump S.P.M. Model	56	58		58
Pump S.P.M. Model	C	100	B	
Pump Liner Size Model	5½			
Pump Liner Size Model				

Additives: TRO Gel

At Surveys	Degree

MOTOR HOURS: 1 221 | 2 — | 3 — | 4 — | 5 —

Next Oil Change

FUEL 2' Gals. | WATER | 3' Bbls. | COAL | Tons

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or Cut	Feet Left on Spool	Next Slip
3/4		4						

General

W.L. 1.1 F.C. 2-32 pH. 11

Totco Ring on Bit No. _____ D.P. Calipered Date _____ Results _____ From Pipe Rack _____

B.O.P. Test-Operated _____ Time _____ Results _____

FORM E-2

THIS COPY TO CONSERVATION BOARD (MAIL TO CALGARY OFFICE)

REMARKS	Time Start	Time Stop	Time Interval
RIG SER. & B.OPS	12:00	1:00	1
WORK ON STAND PIPE - CHANGE KELLY HOSE	1:45	4:45	4½
RUN IN (SLOW)	4:45	6:45	2
REAM TO BOTTOM @ 27'	6:45	7:15	½
DRILL (CONTROL DEV.)	7:15	8:00	¾

Company Time / Cont'r Time

DRILLING 6¼ HOLE (CONTROL DEV)	8:00	9:00	1
SURVEY @ 1506 4¼	9:00	9:30	½
RIG SERV. & P.P.	9:30	9:45	¼
WORK ON SAND LINE	9:45	10:00	¼
DRILLING 6¼" HOLE (CONTROL DEV)	10:00	1:30	3½
SURVEY @ 1565 4°	1:30	2:00	½
DRILLING 6¼ HOLE (CONTROL DEV)	2:00	4:00	2

Company Time / Cont'r Time

DRILL 6¼ HOLE	4:00	5:00	1	1
RIG SERV. & P.P.	5:00	5:15	¼	
DRILL 6¼ HOLE (CONTROL DEV)	5:15	7:30	2¼	2½
CIRC SAMPLE	7:30	7:45	¼	
DRILL	7:45	9:00	1¼	1¼
CIRC SAMPLE	9:00	9:30	½	
DRILL 6¼ HOLE (CONTROL DEV)	9:30	10:45	1¼	1¼
CIRC SAMPLE	10:45	11:15	½	
DRILL	11:15	12:00	¾	¾

Company Time / Cont'r Time

Total Contractor Time _____ Hrs. Toolpusher _____

Total Company Time _____ Hrs. Approved by _____

SEDCO DAILY DRILLING REPORT

RIG No. 97 LOCATION C&R CHEVRON MILLIGAN AREA ALBERTA DATE 1/27/66

Tour — Midnight - 8 a.m.

Specify actual hours worked	Hrs.
Driller H CHADWICK	1
Derrick E WARD	1
Floor	
Floor T HILL	1
Floor	
Motor R ANDERSON	1
Mechanic	
Extra	

Injuries:

Fires:

Tour — 8 a.m. to 4 p.m.

Specify actual hours worked	Hrs.
Driller F JAMES	8
Derrick L FERGUSON	8
Floor	
Floor R BALFOUR	8
Motor D TIZZARD	8
Mechanic	
Extra	

Injuries:

Fires:

Tour — 4 p.m. to Midnight

Specify actual hours worked	Hrs.
Driller R STURM	4
Derrick J HARWOOD	4
Floor	
Floor O ANDERSON	4
Floor	
Motor D MOSIER	4
Mechanic	
Extra	

Injuries:

Fires:

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles
1058	149	1207	5 3/4	24		32

DRILL COLLARS

No.	O. D.	I. D.	Length	Wgt.	C.B. Ft.	Subs Ft.	Ft. Up On Kelly
8	4 1/2	2 1/2	249	10.50			SQ

IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES

BIT	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
	2	7 7/8	HWDSC16J	78430	Good	160	222	8			Run

MUD	12 Mn.	2 a.m.	4 a.m.	6 a.m.
WEIGHT	8.5	8.5	8.5	8.5
VISCOSITY	28	28	28	28
GEL				
Pump Pressure Model		350	350	
Pump S.P.M. Model	68		68	68
Pump Liner Size Model	5 1/2		5 1/2	

W.L F.C. pH. 8

Additives

At Surveys	Degree
1119	7°
1207	6 3/4

MOTOR HOURS

1	189
2	—
3	—
4	—
5	—

Next Oil Change

FUEL 2 1/2 Gals.

WATER

1 Bbls.

COAL

Tons

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or	Cut	Feet Left on Spool	Next Slip
7/8		4							

General

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles
1207	149	1356	7	26		37

DRILL COLLARS

No.	O. D.	I. D.	Length	Wgt.	C.B. Ft.	Subs Ft.	Ft. Up On Kelly
8	4 1/2	2"	249	10.00			

IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES

BIT	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
	2	6 3/4	HWDSC16J	78430	4	150	371	15			

MUD	8 a.m.	10 a.m.	noon	2 p.m.
WEIGHT	8.8	8.9	8.9	8.9
VISCOSITY	38	38	38	38
GEL				
Pump Pressure Model	450	450	450	
Pump S.P.M. Model		64		64
Pump Liner Size Model	5 1/2	5 1/2	5 1/2	5 1/2

W.L 8 F.C. 32 pH 9

Additives: GEL 700 lbs; CAUSTIC 250 lbs; CMC 50 lbs; DEE 10 200

At Surveys	Degree
1263	6°
1325	5 1/4

MOTOR HOURS

1	194
2	—
3	—
4	—
5	—

Next Oil Change

FUEL Gals.

WATER 5.5 Bbls.

COAL

Tons

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or	Cut	Feet Left on Spool	Next Slip

General

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles
1356	116	1472	4	23		41

DRILL COLLARS

No.	O. D.	I. D.	Length	Wgt.	C.B. Ft.	Subs Ft.	Ft. Up On Kelly
8	4 1/2	2	249	10.00		-	31

IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES

BIT	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
	2	6 3/4	HWDSC16J	78430	2,000	165	487	19			324

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.
WEIGHT	8.9	9.0	9.0	
VISCOSITY	32	32	32	
GEL				
Pump Pressure Model	450	450	450	
Pump S.P.M. Model		64	64	
Pump Liner Size Model	5 1/2	5 1/2	5 1/2	

W.L 9 F.C. 32 pH

Additives: ~~Caustic~~ GEL 1400 lbs; CAUSTIC 50 lbs; ~~DEE 10~~

At Surveys	Degree
1346	4 3/4
1476	4 3/4

MOTOR HOURS

1	202
2	202
3	202
4	202
5	202

Next Oil Change

FUEL 1 1/2 Gals.

WATER Bbls.

COAL

Tons

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or	Cut	Feet Left on Spool	Next Slip
7/8		4							

General CHANGE SWIVEL PACKING

Totco Ring on Bit No. _____ D.P. Calipered Date _____ Results _____ From Pipe Rack _____

B.O.P. Test-Operated _____ Time _____ Results _____

FORM E-2

THIS COPY TO CONSERVATION BOARD (MAIL TO CALGARY OFFICE)

DAY WORK RECORD

No. 3703

NOTE—Please show FOOTAGE made while "Control Drilling" as well as HOURS.

REMARKS	Time Start	Time Stop	Time Interval	
RIG SERV & LUBE	12:00	12:15	1/4	
CONTROL DRILL (DEV)	12:15	2:00	2	3/4
SURVEY 1614' 7°	2:00	2:15	1/4	
CONTROL DRILL (DEV)	2:15	5:00	2 3/4	3/4
WORK ON PUMP	4:00	4:15	1/4	
CONTROL DRILL	4:15	6:30	2 1/4	2 1/4
SURVEY 1207 Clean Tanks	6:30	6:45	1/4	1/4
CLEAN TANKS	6:45	8:00	1 1/4	

Company Time / Cont'r Time

RIG SER & B.O.P.S	8:00	8:15	1/4
DRILL (CONTROL DEV)	8:15	10:30	2 1/4
SURVEY	10:30	10:45	1/4
DRILL (CONTROL DEV)	10:45	1:30	2 3/4
WORK ON SWIVEL PACKING	1:30	1:45	1/4
SURVEY	1:45	2:00	1/2
DRILL (CONTROL DEV)	2:00	4:00	2

Company Time / Cont'r Time

CHANGE SWIVEL PACKING	4:00	4:15	1/4
RIG SERVICE & B.O.P.	4:15	4:30	1/4
DRILLING CONTROL HOLE (CONT. DEV)	4:30	6:00	3/4
SURVEY @ 1346 4 3/4	6:00	6:30	1/2
DRILLING CONTROL HOLE (CONT. DEV)	6:30	9:30	2 3/4
SURVEY @ 1446 4 3/4	9:30	9:00	1/2
DRILLING 6 1/4" HOLE (CONT. DEV)	9:00	10:00	1
HOIST	10:00	12:00	2

Company Time / Cont'r Time

Total Contractor Time _____ Hrs. Toolpusher _____

Total Company Time _____ Hrs. Approved by _____

SEDCO DAILY DRILLING REPORT

RIG No. 77 LOCATION 00 CHEVRON MILLS LAKE N.W.T. AREA N.W.T. DATE 1/26/82

Tour — Midnight - 8 a.m.

Specify actual hours worked	Hrs.
Driller H. LADWICH	7
Derrick E. GIRARD	7
Floor	
Floor T. HILL	7
Floor	
Motor R. HENDERSON	7
Mechanic	
Extra	

Injuries:

Fires:

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles
700	1	701	5½	17 M		22

DRILL COLLARS No.	O. D.	I. D.	Length	Wgt.	C.B. Ft.	Subs Ft.	Ft. Up On Kelly
9	6¼	2¼	279.41	10 M			11

IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES

BITS	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
	1	6¼	H.W. OSC 3	91677	6 M	140	613	10¾			Run

MUD	12 Mn.	2 a.m.	4 a.m.	6 a.m.
WEIGHT	8.6	8.6	8.6	8.5
VISCOSITY	28	28	28	28
GEL				
Pump Pressure Model	150	150	150	150
Pump Pressure Model	C		P	
Pump S.P.M. Model				
Pump S.P.M. Model	69	68	68	68
Pump Liner Size Model	5½	5½	5½	5½

Additives

At Surveys	Degree
700	¾
	¾
	¾

MOTOR HOURS		Next Oil Change	FUEL
1	164		1?? Gals.
2	—		WATER
3	—		??? Bbls.
4	—		COAL
5	—		Tons

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or Cut	Feet Left on Spool	Next Slip
7/8		4						

General

W.L. F.C. pH.

REMARKS	Time Start	Stop	Interval	
T.I. SER. / BOPS	12:15			
WORK ON STAND PIPE		12:30	½	½
DRILL 4¼ HOLE	12:30	1:45	1¼	1¼
SURVEY, CIRC. WORK ON STAND PIPE	1:45	2:30	¾	
DRILL Control Dev	2:30	2:45	¼	¼
SURVEY	2:45	3:15	½	
DRILL STRAIGHTENED SURVEY	3:15	4:45	1½	1½
SURVEY 1°	4:45	5:15	½	
DRILL Control Dev	5:15	7:45	2¾	2¾

Company Time Cont'r Time

Tour — 8 a.m. to 4 p.m.

Specify actual hours worked	Hrs.
Driller F. HAMES	8
Derrick R. THOSTHEIM	8
Floor	
Floor R. BALFOUR	8
Floor	
Motor	8
Mechanic J. TIZZARD	
Extra	

Injuries:

Fires:

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles
909	76	985	4	70		76

DRILL COLLARS No.	O. D.	I. D.	Length	Wgt.	C.B. Ft.	Subs Ft.	Ft. Up On Kelly
8	6¼	2¼	279.41	10 M			12

IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES

BITS	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
	1	6¼	H.W. OSC 3	91677	6 000	150	689	14¾			2-2-1

MUD	8 a.m.	10 a.m.	12 noon	2 p.m.
WEIGHT	8.7	8.5	8.5	
VISCOSITY	28	28	28	
GEL				
Pump Pressure Model	250	250	250	250
Pump Pressure Model				
Pump S.P.M. Model	65			
Pump S.P.M. Model				
Pump Liner Size Model	5½			
Pump Liner Size Model				

Additives

At Surveys	Degree
70	
970	6¾°
985	¾°

MOTOR HOURS		Next Oil Change	FUEL
1			3.4 Gals.
2			WATER
3			4' Bbls.
4			COAL
5			Tons

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or Cut	Feet Left on Spool	Next Slip
7/8		4						

General BOARD TALLY 144.48
STRAP 99.77
2.23 (CORRECTED)

W.L. F.C. pH.

REMARKS	Time Start	Stop	Interval	
DRILL Control Dev.	7:45	9:45	1	1
WORK ON SWIVEL	9:45	10:00	¼	
DRILL Control Dev.	10:00	11:15	1¼	1
SURVEY	11:15	11:30	¼	
DRILL (Control Dev)	11:30	1:15	1¾	1¾
SURVEY	1:15	1:30	¼	
HOIST (STRAP OUT)	1:30	3:15	1¾	
CHANGE WASH PIPE PACKING	3:15	4:00	¾	

Company Time Cont'r Time

Tour — 4 p.m. to Midnight

Specify actual hours worked	Hrs.
Driller R. STURM	4
Derrick D. HARWOOD	4
Floor	
Floor G. GIESBRECHT	4
Floor	
Motor D. MEECH	4
Mechanic	
Extra	

Injuries:

Fires:

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles
985	73	1058	2¼	33		77

DRILL COLLARS No.	O. D.	I. D.	Length	Wgt.	C.B. Ft.	Subs Ft.	Ft. Up On Kelly
8	6¾	2 1/2"	279.41	10 M			DN

IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES

BITS	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
	2	6¼	H.W. OSC-1GJ	78430	5 000	185	73	2¼			RUN

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.
WEIGHT				9.5
VISCOSITY				34
GEL				
Pump Pressure Model				
Pump Pressure Model				
Pump S.P.M. Model				
Pump S.P.M. Model				
Pump Liner Size Model				
Pump Liner Size Model				

Additives

At Surveys	Degree
1058	½°

MOTOR HOURS		Next Oil Change	FUEL
1	180		2½ Gals.
2	140		WATER
3	140		Bbls.
4	140		COAL
5	140		Tons

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or Cut	Feet Left on Spool	Next Slip
7/8		4						

General

W.L. F.C. pH.

REMARKS	Time Start	Stop	Interval	
CHANGE WASH PIPE & PACKING	4:00	7:00	3¼	
RIG SERV. / B.O.P.S	7:15	7:30	¼	
REAM IN SLOW	7:30	9:15	1¾	
CONTROL DRLG (DEV)	9:15	11:30	2¼	
WORK ON SAND LINE	11:30	11:45	¼	
SURVEY at 1058	11:45	12:00	¼	

Company Time Cont'r Time

DAY WORK RECORD No. 3702

NOTE—Please show FOOTAGE made while "Control Drilling" as well as HOURS.

Totco Ring on Bit No. _____ D.P. Calipered Date _____ Results _____ From Pipe Rack _____

B.O.P. Test-Operated _____ Time _____ Results _____

Total Contractor Time _____ Hrs. Toolpusher _____

Total Company Time _____ Hrs. Approved by _____

FORM E-2

THIS COPY TO CONSERVATION BOARD (MAIL TO CALGARY OFFICE)

SEDCO DAILY DRILLING REPORT

DAY WORK RECORD No. 3701

NOTE—Please show FOOTAGE made while "Control Drilling" as well as HOURS.

REG No. 7 7 LOCATION ORCHEVRON MILLS LAKE N20 AREA NWT DATE 1/2/77

Tour — Midnight - 8 a.m.

Specify actual hours worked	Hrs.
Driller H C Hardwick	8
Derrick D Gagnon	8
Floor	
Floor T Hall	8
Floor	
Motor L E Nelson	8
Mechanic	
Extra	

Injuries:

Fires:

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles
298	4027	4325	5	16		15

DRILL COLLARS

No.	O. D.	I. D.	Length	Wgt.
9	6 1/4	2 1/4	274	7000

C.B. Ft. | Subs Ft. | Ft. Up On Kelly: DV

IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES

BITS	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
	1	6 1/4	HW OSC3	21677			142	5			

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.
WEIGHT	9.1	9.1	9.1	9.1
VISCOSITY	47	47	47	47
GEL	4/7	4/7	4/7	4/7
Pump Pressure Model		1000	1000	1000
Pump S.P.M. Model		90	90	90
Pump Liner Size Model		6 1/4	6 1/4	6 1/4
W.L.	F.C.	pH.		

Additives

At Surveys Degree

MOTOR HOURS

		Next Oil Change
1	156	
2	156	
3	156	
4	156	
5	156	

FUEL: Gals. | WATER: Bbls. | COAL: Tons

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or Cut	Feet Left on Spool	Next Slip
7/8		4						

General: ✓ Motor shut off ok.

Company Time | Cont'r Time

REMARKS	Time Start	Stop	Interval
Drlg	4:30	5:00	1/2
Circ & Cond Mud	5:00	5:30	1/2
Wiper Trip to 2700'	5:30	6:00	1/2
Circ & Cond Mud	6:00	6:30	1/2
Drop Survey & Pull out of Hole	6:30	7:00	1/2
Rig Service	7:00	7:30	1/2
Pull out of Hole	7:30	8:00	1/2

Tour — 8 a.m. to 4 p.m.

Specify actual hours worked	Hrs.
Driller E Holmes	8
Derrick R Thistle	8
Floor	
Floor R Bannister	8
Floor	
Motor D Thibodeau	8
Mechanic	
Extra	

Injuries:

Fires:

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles
4325	4325	4325				

DRILL COLLARS

No.	O. D.	I. D.	Length	Wgt.
9	6 1/4	2 1/4	274	7000

C.B. Ft. | Subs Ft. | Ft. Up On Kelly: 54

IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES

BITS	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
	1	6 1/4	HW OSC3	21677							

MUD	8 a.m.	10 a.m.	12 noon	2 p.m.
WEIGHT				
VISCOSITY				
GEL				
Pump Pressure Model				
Pump S.P.M. Model				
Pump Liner Size Model				
W.L.	F.C.	pH.		

Additives

At Surveys Degree

MOTOR HOURS

		Next Oil Change
1	152	
2	-	
3	-	
4	-	
5	-	

FUEL: 4/5 Gals. | WATER | 45 Bbls. | COAL | Tons

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or Cut	Feet Left on Spool	Next Slip

General: Top of plug 226' K.B.

Company Time | Cont'r Time

REMARKS	Time Start	Stop	Interval
Dig Rat Hole	8:00	10:00	2
Ream Rat Hole	10:00	10:45	3/4
Drop Survey & Trip out of Hole	10:45	12:00	1 1/4
Rig Service & Test BOP	12:00	1:00	1
Wash & Ream Short Trip	1:00	2:00	1
Drill On Cement	2:00		
Drlg		3:30	1 1/2
Wash & Ream - Flow	3:30		
Drill		4:30	1

Tour — 4 p.m. to Midnight

Specify actual hours worked	Hrs.
Driller F Storm	8
Derrick J Hardisty	8
Floor	
Floor L Beaucage	8
Floor	
Motor D Hickey	8
Mechanic	
Extra	

Injuries:

Fires:

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles
4325	4325	4325				

DRILL COLLARS

No.	O. D.	I. D.	Length	Wgt.
9	6 1/4	2 1/4	274	7000

C.B. Ft. | Subs Ft. | Ft. Up On Kelly: DV

IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES

BITS	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
	1	6 1/4	HW OSC3	21677							

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.
WEIGHT	9.1	9.1	9.1	9.1
VISCOSITY	47	47	47	47
GEL	4/7	4/7	4/7	4/7
Pump Pressure Model		1000	1000	1000
Pump S.P.M. Model		90	90	90
Pump Liner Size Model		6 1/4	6 1/4	6 1/4
W.L.	F.C.	pH.		

Additives

At Surveys Degree

MOTOR HOURS

		Next Oil Change
1	156	
2	156	
3	156	
4	156	
5	156	

FUEL: Gals. | WATER: Bbls. | COAL: Tons

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or Cut	Feet Left on Spool	Next Slip
7/8		4						

General: ✓ Motor shut off ok.

Company Time | Cont'r Time

REMARKS	Time Start	Stop	Interval
Drlg	4:30	5:00	1/2
Circ & Cond Mud	5:00	5:30	1/2
Wiper Trip to 2700'	5:30	6:00	1/2
Circ & Cond Mud	6:00	6:30	1/2
Drop Survey & Pull out of Hole	6:30	7:00	1/2

Company Time | Cont'r Time

Totco Ring on Bit No. _____ D.P. Calipered Date _____ Results _____ From Pipe Rack _____

B.O.P. Test-Operated _____ Time _____ Results _____

Total Contractor Time _____ Hrs. Toolpusher E Cooke

Total Company Time _____ Hrs. Approved by _____

FORM E-2

THIS COPY TO CONSERVATION BOARD (MAIL TO CALGARY OFFICE)

SEDCO — DAILY DRILLING REPORT

RIG No. 77 LOCATION CDR Clearwater Field Lsd N-20 AREA N W T DATE 11-4-68

DAY WORK RECORD — No. 3704

NOTE—Please show FOOTAGE made while "Control Drilling" as well as HOURS.

Tour — Midnight - 8 a.m.

Specify actual hours worked	Hrs.
Driller H. L. HADWICK	8
Derrick R. WARD	8
Floor	
Floor J. HILL	8
Floor	
Motor R. ANDERSON	8
Mechanic	
Extra	

Injuries:

Fires:

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles

DRILL COLLARS

No.	O. D.	I. D.	Length	Wgt.	C.B. Ft.	Subs Ft.	Ft. Up On Kelly

IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES

BITS	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
	ran 7 jts 7" 20 =		355	ST+C	8rd	Start drlg					
	5 Bbls water ahead 130 sxs cement + 2% cal chloride 60 Bbls displaced with water 500 = plug held										

MUD	12 Mn.	2 a.m.	4 a.m.	6 a.m.	Additives
WEIGHT	Rig down 4:15 pm Jan 24/68				
VISCOSITY	Cabery set at 291.5' K.B.				
GEL	Ran 8 cents 4 Sweden inserts, cemented				
Pump Pressure Model	with 130 sxs				
Pump Pressure Model					
Pump S.P.M. Model					
Pump S.P.M. Model					
Pump Liner Size Model					
Pump Liner Size Model					

At Surveys	Degree
700	nil

MOTOR HOURS	
1	
2	
3	
4	
5	

Next Oil Change

FUEL — Gals.

WATER — Bbls.

COAL — Tons

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or Cut	Feet Left on Spool	Next Slip

General

W.L. F.C. pH.

REMARKS	Time Start	Stop	Interval
Hoist	12:00	1:00	1
Rig to Run Casing	1:00	1:30	1/2
Run Casing	1:30	3:30	2
Circ Casing	3:30	4:00	1/2
Cement casing + Plug	4:00	4:15	1/4
W.O.C.	4:15	8:00	3 3/4

Company Time Cont'r Time

W O C.	8:00	4:00	8

Tour — 8 a.m. to 4 p.m.

Specify actual hours worked	Hrs.
Driller F. HAMES	8
Derrick K. TOUSTHEIM	8
Floor	
Floor R. BALFOUR	8
Floor	
Motor D. TIZZARD	8
Mechanic	
Extra	

Injuries:

Fires:

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles

DRILL COLLARS

No.	O. D.	I. D.	Length	Wgt.	C.B. Ft.	Subs Ft.	Ft. Up On Kelly

IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES

BITS	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION

MUD	8 a.m.	10 a.m.	12 noon	2 p.m.	Additives
WEIGHT					
VISCOSITY					
GEL					
Pump Pressure Model					
Pump Pressure Model					
Pump S.P.M. Model					
Pump S.P.M. Model					
Pump Liner Size Model					
Pump Liner Size Model					

At Surveys	Degree

MOTOR HOURS	
1	
2	
3	
4	
5	

Next Oil Change

FUEL — Gals.

WATER — Bbls.

COAL — Tons

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or Cut	Feet Left on Spool	Next Slip

General

W.L. F.C. pH.

Company Time Cont'r Time

W O C. Slacking	4:00	12:00	8
Tighten up			

Tour — 4 p.m. to Midnight

Specify actual hours worked	Hrs.
Driller K. STURM	8
Derrick J. HAIRWOOD	8
Floor	
Floor G. G. FESSEREC H.T.	8
Floor	
Motor D. MISICKI	8
Mechanic	
Extra	

Injuries:

Fires:

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles

DRILL COLLARS

No.	O. D.	I. D.	Length	Wgt.	C.B. Ft.	Subs Ft.	Ft. Up On Kelly

IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES

BITS	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.	Additives
WEIGHT					
VISCOSITY					
GEL					
Pump Pressure Model					
Pump Pressure Model					
Pump S.P.M. Model					
Pump S.P.M. Model					
Pump Liner Size Model					
Pump Liner Size Model					

At Surveys	Degree

MOTOR HOURS	
1	
2	
3	
4	
5	

Next Oil Change

FUEL — Gals.

WATER — Bbls.

COAL — Tons

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or Cut	Feet Left on Spool	Next Slip

General

W.L. F.C. pH.

Company Time Cont'r Time

Totco Ring on Bit No. _____ D.P. Calipered Date _____ Results _____ From Pipe Rack _____

S.O.P. Test-Operated _____ Time _____ Results _____

Total Contractor Time _____ Hrs. Toolpusher _____

Total Company Time _____ Hrs. Approved by _____

FORM E-2

THIS COPY TO CONSERVATION BOARD (MAIL TO CALGARY OFFICE)

SEDCO DAILY DRILLING REPORT

DAY WORK RECORD No. 3699

NOTE—Please show FOOTAGE made while "Control Drilling" as well as HOURS.

RIG No. 77 LOCATION C.O.R. CHEVRON MILLS LAKE N20 AREA N.W.T. DATE 1/23/68

Tour — Midnight - 8 a.m.

Specify actual hours worked	Hrs.
Driller H. CHADWICK	4
Derrick J. WOOD	4
Floor	
Floor T. H. ?	4
Floor	
Motor A. ANDERSON	4
Mechanic	
Extra	

Injuries:

Fires:

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles
202	21	223	1¾	10		

DRILL COLLARS: No. 2 | O.D. 6" | I.D. 2¼ | Length 180' | Wgt.

C.B. Ft. | Subs Ft. | Ft. Up On Kelly 4'

IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES

BITS	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
	1	8 27/32	H.W. OSC3	RR	17	120	21	16			T-2

MUD	12 Mn.	2 a.m.	4 a.m.	6 a.m.
WEIGHT	9.2	9.2		
VISCOSITY	36	35		
GEL				
Pump Pressure Model	1500			
Pump Pressure Model				
Pump S.P.M. Model				
Pump S.P.M. Model				
Pump Liner Size Model	6 1/2			
Pump Liner Size Model	12			

Additives: Caustic 10 lbs; 600 ft³

At Surveys: Degree

MOTOR HOURS: 1 90 | 2 — | 3 — | 4 — | 5 —

Next Oil Change | FUEL 1500 Gals. | WATER Bbls. | COAL Tons

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or Cut	Feet Left on Spool	Next Slip

General

W.L. F.C. pH.

Tour — 8 a.m. to 4 p.m.

Specify actual hours worked	Hrs.
Driller T. HAMES	12
Derrick B. TOSTHEIM	12
Floor	
Floor R. BALFOUR	8
Floor	
Motor D. TIZZARD	8
Mechanic	
Extra	

Injuries:

Fires:

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles
223				70		

DRILL COLLARS: No. 3 | O.D. 6" | I.D. 2 13/16 | Length 270' | Wgt. 7,000

C.B. Ft. | Subs Ft. | Ft. Up On Kelly 8

IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES

BITS	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
	1A	9 7/8	H.W. OSC3	RR							1-1

MUD	8 a.m.	10 a.m.	12 noon	2 p.m.
WEIGHT			9.2	
VISCOSITY			75	
GEL				
Pump Pressure Model				
Pump Pressure Model				
Pump S.P.M. Model				
Pump S.P.M. Model				
Pump Liner Size Model			5½	
Pump Liner Size Model				

Additives

At Surveys: 283 Degree ¼

MOTOR HOURS: 1 102 | 2 ✓ | 3 ✓ | 4 ✓ | 5 ✓

Next Oil Change | FUEL 2' Gals. | WATER 5' Bbls. | COAL Tons

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or Cut	Feet Left on Spool	Next Slip

Genural

W.L. F.C. pH.

Tour — 4 p.m. to Midnight

Specify actual hours worked	Hrs.
Driller K. STORM	12
Derrick T. HARWOOD	12
Floor	
Floor C. CHERRAULT	4
Floor	
Motor D. MASKINI	12
Mechanic	
Extra	

Injuries:

Fires:

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles
223	15	238	11			1

DRILL COLLARS: No. 2 | O.D. 6" | I.D. 2¼ | Length 180' | Wgt.

C.B. Ft. | Subs Ft. | Ft. Up On Kelly 22

IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES

BITS	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
	1A	9 7/8	H.W. OSC-3	RR	17	120	295	19½			3-T-1

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.
WEIGHT		9.2		
VISCOSITY		35		
GEL				
Pump Pressure Model		1500		
Pump Pressure Model				
Pump S.P.M. Model		60		
Pump S.P.M. Model				
Pump Liner Size Model		5½		
Pump Liner Size Model		12		

Additives

At Surveys: Degree

MOTOR HOURS: 1 110 | 2 110 | 3 110 | 4 110 | 5 110

Next Oil Change | FUEL Gals. | WATER Bbls. | COAL Tons

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or Cut	Feet Left on Spool	Next Slip
9/4		4	DRILLING LINE BROKE					BLOCKS

General

W.L. F.C. pH.

REMARKS	Time Start	Stop	Interval	
MIX MUD WORK ON PUMP	12			
DRILL	5:30	6:00	½	½
CIRC SAMPLE	6:00	6:30	½	
DRILL	6	7:00	½	½
WORK ON PUMP	6:30	7:00	½	
DRILL	7:00	7:30	½	½
DUMMY TRIP	7:30	9:00	1½	1½
Company Time	Cont'r Time			
DUMMY TRIP	8:00	9:00	1	
WORK ON PUMP	9:00	9:45	¾	
CIRC	9:45	10:15	½	
WORK ON PUMP	10:15	10:45	½	
CIRC & COND MUD	10:45	11:00	¼	
HOIST - SURVEY - STRAP OUT	11:00	12:00	1	
RIG TO RUN CASING	12:00	13:15	¼	
RUN CASING	13:15	1:45	1½	
CIRC CASING LAY DOWN CAMT	1:45	4:00	2¼	8
Company Time	Cont'r Time			
FINISH LAY DOWN CASING	4	4:15	¼	
RIG SERVICE	4:15	4:30	¼	
RIG UP	4:30	5:30	1	
WORK ON PUMP	5:30	5:45	¼	
DRILLING 9⅞ HOLE	5:45	6:00	¼	¼
WORK ON PUMP	6	6:30	½	
DRILL 9⅞ HOLE	6:30	6:45	¼	¼
WORK ON PUMP	6:45	7:15	½	
DRILL 9⅞ HOLE	7:15	9:45	2½	
WORK ON PUMP	9:45	10:00	¼	
CIRC TO RUN CASING	10:00	11:00	1	
HOIST (SAMPLES)	11:00	12:00	1	
Company Time	Cont'r Time			

Totco Ring on Bit No. _____ D.P. Calipered Date _____ Results _____ From Pipe Rack _____

B.O.P. Test-Operated _____ Time _____ Results _____

Total Contractor Time _____ Hrs. Toolpusher _____

Total Company Time _____ Hrs. Approved by _____

FORM E-2

THIS COPY TO CONSERVATION BOARD (MAIL TO CALGARY OFFICE)

SEDCO DAILY DRILLING REPORT

RIG No. 77 LOCATION C.D.R. CHEVRON MILLS LAKE N20 AREA N.W.T. DATE 1/22/67

Tour — Midnight - 8 a.m.

Specify actual hours worked	Hrs.
Driller H. CHADWICK	8
Derrick B. BERG	7
Floor	
Floor T. HILL	7
Floor	
Motor R. SNIDERSON	8
Mechanic	
Extra	

Injuries:

Fires:

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles
37	77	112	5 1/4	50000		

DRILL COLLARS: No. 2 | O.D. 6 1/2 | I.D. 2 1/2 | Length 511 | Wgt. 15000

C.B. Ft. | Subs Ft. | Ft. Up On Kelly 9 0"

IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES

BITS	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
	14	9 7/8	HWOSC3	R.K			112	7 1/4			

MUD	12 Mn.	2 a.m.	4 a.m.	6 a.m.	Additives
WEIGHT	8.6	8.7	8.7	8.7	GEL 150 lbs
VISCOSITY	32	32	32	30	CAUSTIC 50 lbs
GEL					SEAL 1/2 BAGS
Pump Pressure Model					SAWDUST 10 BAGS
Pump S.P.M. Model					
Pump Liner Size Model					

At Surveys	Degree
66	1 1/2
95	1 1/2

MOTOR HOURS: 1 70 | 2 70 | 3 70 | 4 70 | 5 70

Next Oil Change | FUEL Gals. | WATER Bbls. | COAL Tons

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or Cut	Feet Left on Spool	Next Slip
9/16		4						

W.L. F.C. pH.

General

Tour — 8 a.m. to 4 p.m.

Specify actual hours worked	Hrs.
Driller T. HAWES	8
Derrick R. JOSTHEIM	8
Floor	
Floor R. BAFORD	8
Floor	
Motor D. TIZZARD	8
Mechanic	
Extra	

Injuries:

Fires:

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles
185	121	306				

DRILL COLLARS: No. 6 | O.D. 6 1/4 | I.D. 2 1/2 | Length 505 | Wgt. 6000

C.B. Ft. | Subs Ft. | Ft. Up On Kelly —

IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES

BITS	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
	1A	9 3/8	HWOSC3	RK	4000	50					

MUD	8 a.m.	10 a.m.	12 noon	2 p.m.	Additives
WEIGHT	8.7	8.7	8.7		GEL 500 lbs
VISCOSITY	32	32	32		
GEL					
Pump Pressure Model C-350	100	100	150		
Pump S.P.M. Model C-350	65	65	65		
Pump Liner Size Model 12 1/2	5 1/2	5 1/2	5 1/2		

At Surveys	Degree
150	0
236	1/2

MOTOR HOURS: 1 78 | 2 78 | 3 78 | 4 78 | 5 78

Next Oil Change | FUEL 2 Gals. | WATER | Bbls. | COAL Tons

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or Cut	Feet Left on Spool	Next Slip
9/16		4						

W.L. F.C. pH.

General

Tour — 4 p.m. to Midnight

Specify actual hours worked	Hrs.
Driller R. STURM	8
Derrick J. HARWOOD	8
Floor	
Floor C. RICHARDS	8
Floor	
Motor J. WOSICKI	8
Mechanic	
Extra	

Injuries:

Fires:

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles
236	26	262	2 1/4	14/1000		

DRILL COLLARS: No. 2 | O.D. 6 | I.D. 2 1/8 | Length 511.09 | Wgt. —

C.B. Ft. | Subs Ft. | Ft. Up On Kelly 26'

IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES

BITS	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
	1A	9 7/8	H.W. OSC3	RK	8,000	120	262	14 1/4			RUN

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.	Additives
WEIGHT			9.2	9.2	CAUSTIC 100 lbs
VISCOSITY			32	33	GEL 400 lbs
GEL					
Pump Pressure Model			140	150	
Pump S.P.M. Model			64	66	
Pump Liner Size Model			5 1/2	5 1/2	

At Surveys	Degree

MOTOR HOURS: 1 9 1/2 | 2 9 1/2 | 3 9 1/2 | 4 9 1/2 | 5 9 1/2

Next Oil Change | FUEL 2 1/2 Gals. | WATER | 2 1/2 Bbls. | COAL Tons

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or Cut	Feet Left on Spool	Next Slip
9/16		4						

W.L. F.C. pH.

General

Totco Ring on Bit No. _____ D.P. Calipered Date _____ Results _____ From Pipe Rack _____

B.O.P. Test-Operated _____ Time _____ Results _____

FORM E-2.

THIS COPY TO CONSERVATION BOARD (MAIL TO CALGARY OFFICE)

DAY WORK RECORD

No. 3698

NOTE—Please show FOOTAGE made while "Control Drilling" as well as HOURS.

REMARKS	Time Start	Time Stop	Interval	
RIG SERVICE	12 00	12 15	1/4	
DRILL 9 7/8" HOLE	12 15	1 15	1	1
WORK ON PUMP	1 15	1 30	1/2	
DRILL 9 7/8" HOLE	1 30	2 00	1/2	1/2
WORK ON PUMP	2 00	2 30	1/2	
DRILL 9 7/8" HOLE	2 30	3 00	1/2	1/2
SURVEY 1 1/4	3 00	3 15	1/4	
DRILL 9 7/8" HOLE	3 15	4 15	1	1
WORK ON PUMP	4 15	4 30	1/4	
DRILL 9 7/8" HOLE	4 30	5 30	1	1
SURVEY 9 1/2 (Twice on Bottom)	5 30	6 00	1/2	
DRILL 9 7/8 HOLE	6 00	6 15	1/4	1/4
Company Time Start for Service Time	6 15	7 00	3/4	
DRILL 9 7/8 HOLE	7 00	8 00	1	1
RIG SERVICE	8 00	8:15	1/4	
DRILL 9 7/8 HOLE	8:15	9:00		3/4
WORK ON PUMP	9:00	9:30	1/2	
DRILL	9:30	10:30		1
SURVEY @ 1150	10:30	10:45	1/4	
DRILL	10:45	3:15		3 1/2
SURVEY @ 2361	3:15	3:45	1/2	
HOIST - TIGHTEN STRAD OUT	3:45	4:00	1/4	
Company Time Cont'r Time				
PULL OUT (TIGHT)	4 00	4 30	1/2	1/2
RIG SERVICE	4 30	4 45	1/4	1/4
RUN IN REAM TIGHT SPOTS	4 45	5 30	3/4	3/4
WORK ON MUD LINE	5 30	5 45	1/4	1/4
WORK ON PUMP	5 45	6 00	1/4	1/4
REAM TIGHT SPOTS	6 00	6 45	3/4	3/4
WORK [illegible]	6 45	7 00	1/4	1/4
[illegible]	7 00	7 45	3/4	3/4
PULL OUT	7 45	8 00	1/4	1/4
RUN IN STAND	8 00	8 45	3/4	3/4
DRILL 9 7/8 HOLE	8 45	10 00	1 1/2	1 1/2
CIRC & AMPLE	10 00	10 15	1/4	1/4
Company Time 9 7/8 HOLE Cont'r Time	10 15	11 00	3/4	3/4
CIRC MUD	11 00	12 00	1	1

Total Contractor Time _____ Hrs. Toolpusher _____

Total Company Time _____ Hrs. Approved by _____

SEDCO DAILY DRILLING REPORT

RIG No. 77 LOCATION C.O.R. CHEVRON MILLS HARE No. AREA N. A.T. DATE 11/21/61

Tour — Midnight - 8 a.m.

Specify actual hours worked	Hrs.
Driller H CHADWICK	8
Derrick B WARD	8
Floor	
Floor J HILL	8
Floor	
Motor K ANDERSON	8
Mechanic	
Extra	

Injuries:

Fires:

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS No.	O. D.	I. D.	Length	Wgt.	C.B. Ft.	Subs Ft.	Ft. Up On Kelly

IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES

BITS	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION

MUD	12 Mn.	2 a.m.	4 a.m.	6 a.m.	Additives	At Surveys	Degree	MOTOR HOURS		Next Oil Change	FUEL
WEIGHT	9.3	9.1	9.1					1	42		Gals.
VISCOSITY	52	52	50	50				2	—		WATER
GEL					500 GEL			3	—		Bbls.
Pump Pressure Model	500	500	500	500				4	—		COAL
Pump Pressure Model	65	65	65	65				5	—		Tons
Pump S.P.M. Model											
Pump S.P.M. Model				62							
Pump Liner Size Model											
Pump Liner Size Model	5	5 1/2	5 1/2								

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or	Cut	Feet Left on Spool	Next Slip
7/8		4							

General

W.L. F.C. pH.

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS No.	O. D.	I. D.	Length	Wgt.	C.B. Ft.	Subs Ft.	Ft. Up On Kelly

IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES

BITS	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION

MUD	8 a.m.	10 a.m.	12 noon	2 p.m.	Additives	At Surveys	Degree	MOTOR HOURS		Next Oil Change	FUEL
WEIGHT	9.1	9.1						1	54		Gals.
VISCOSITY	50	50						2	54		WATER
GEL								3	54		Bbls.
Pump Pressure Model	100	500						4	54		COAL
Pump Pressure Model								5	54		Tons
Pump S.P.M. Model		62									
Pump S.P.M. Model											
Pump Liner Size Model		5 1/2									
Pump Liner Size Model											

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or	Cut	Feet Left on Spool	Next Slip

General

W.L. F.C. pH.

Tour — 8 a.m. to 4 p.m.

Specify actual hours worked	Hrs.
Driller T. HAMES	8
Derrick K. IZZARD	8
Floor	
Floor L. BELFOUR	8
Floor	
Motor P. IZZARD	8
Mechanic	
Extra	

Injuries:

Fires:

Tour — 4 p.m. to Midnight

Specify actual hours worked	Hrs.
Driller K. STURM	8
Derrick J. HARWOOD	8
Floor	
Floor C. GIESBRECHT	8
Floor	
Motor D. MACIEKI	8
Mechanic	
Extra	

Injuries:

Fires:

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS No.	O. D.	I. D.	Length	Wgt.	C.B. Ft.	Subs Ft.	Ft. Up On Kelly
0	37	37	19	2			1	6	2	276	20			JN

IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES

BITS	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
	1A	9 7/8	HWOSC3	KR	ALL	170	37		21		FUN

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.	Additives	At Surveys	Degree	MOTOR HOURS		Next Oil Change	FUEL
WEIGHT	9.1	9.2	9.1	9.5		30	1/2	1	62		Gals.
VISCOSITY	50	50	50	51	400			2	"		WATER
GEL								3	"		Bbls.
Pump Pressure Model	500	500	500	500				4	"		COAL
Pump Pressure Model								5	"		Tons
Pump S.P.M. Model	65	65	65	65							
Pump S.P.M. Model											
Pump Liner Size Model	5 1/2	5 1/2	5 1/2	5 1/2							
Pump Liner Size Model											

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or	Cut	Feet Left on Spool	Next Slip
7/8		4							

General

W.L. F.C. pH.

Totco Ring on Bit No. _____ D.P. Calipered Date _____ Results _____ From Pipe Rack _____

B.O.P. Test-Operated _____ Time _____ Results _____

FORM E-2

THIS COPY TO CONSERVATION BOARD (MAIL TO CALGARY OFFICE)

DAY WORK RECORD

No. 3697

NOTE—Please show FOOTAGE made while "Control Drilling" as well as HOURS.

REMARKS	Time Start	Time Stop	Time interval	
DIG RAT HOLE	12 00	1 00	1	1
RIG SERVICE WORK ON PUMP	1 00	1 30	1/2	
DIG RAT HOLE	1 30	2 00	1/2	1/2
WORK ON PUMP	2 00	2 15	1/4	
DIG RAT HOLE	2 15	4 15	2	2
WORK ON PUMP	4 15	4 45	1/2	
DIG RAT HOLE	4 45	5 45	1	1
CHAN. ETC 4 1/4 BIT	5 45	6 00	1/4	
DIG RAT HOLE	6 00	8 00	2	2
Company Time	Cont'r Time			
RIG SERVICE	8 00	8 15	1/4	
DIG RAT HOLE 6'	8 15	9 15	1	1
WORK ON PUMP	9 15	9 45	1/2	
DIG RAT HOLE 6'	9 45	10 45	1	1/2
REAM RAT HOLE T.T.	10 45	11 15	1/2	1/2
[illegible]	[illegible]			
WORK ON PUMP	10 45	11 00	1/4	
REAM RAT HOLE	11 00	12 00	1	2
WORK ON PUMP	12 00	12 30	1/2	
REAM RAT HOLE	12 30	1 30	1	1
Company Time	Cont'r Time			
RIG SERVICE	7 00	7 15	1/4	
REAM RAT HOLE	7 15	7 30	1/4	
TRIP & REAM TO BOTTOM	7 30	7 45	1/4	
WORK ON PUMP	7 45	8 15	1/2	
REAM RAT HOLE	8 15	8 53	3/4	
WORK ON PUMP	8 30	9 00	1/2	
REAM RAT HOLE	9 00	9 30	1 1/2	
WORK ON PUMP	9 30	9 45	1/2	
RIG IN & SET UP	9 45	9 55	1/2	
DRLG 9 7/8" HOLE	9 55	10 30	1	
WORK ON PUMP	10 30	10 45	1/4	
DRLG 9 7/8" HOLE	10 45	11 45	1	
Company Time	Cont'r Time			

Total Contractor Time _____ Hrs. Toolpusher _____

Total Company Time _____ Hrs. Approved by _____

No. 3696

SEDCO DAILY DRILLING REPORT

DAY WORK RECORD

NOTE—Please show FOOTAGE made while "Control Drilling" as well as HOURS.

RIG No. 77 LOCATION C.R. AREA DATE [illegible]

Tour — Midnight - 8 a.m.

Specify actual hours worked		Hrs.
Driller	R. S. Turn[illegible]	16
Derrick	F. Hardley	12
Floor		
Floor	C. Giesbrecht	16
Floor		
Motor	D. Masicki	16
Mechanic		
Extra		

Injuries:

Fires:

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS No.	O. D.	I. D.	Length	Wgt.	C.B. Ft.	Subs Ft.	Ft. Up On Kelly

IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES

BITS No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION

MUD	12 Mn.	2 a.m.	4 a.m.	6 a.m.	Additives
WEIGHT					
VISCOSITY					
GEL					
Pump Pressure Model					
Pump Pressure Model					
Pump S.P.M. Model					
Pump S.P.M. Model					
Pump Liner Size Model					
Pump Liner Size Model					

W.L. F.C. pH.

At Surveys Degree | MOTOR HOURS 1 2 3 4 5 | Next Oil Change | FUEL Gals. WATER Bbls. COAL Tons

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or Cut	Feet Left on Spool	Next Slip

General

REMARKS	Start	Stop	Interval
Rig up [illegible]	4		
[illegible]		4	8

Company Time Cont'r Time

Tour — 8 a.m. to 4 p.m.

Specify actual hours worked		Hrs.
Driller	H. Chadwick	8
Derrick	M. Ward	
Floor		
Floor	J. Hill	8
Floor		
Motor	R. Anderson	8
Mechanic		
Extra		

Injuries:

Fires:

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS No.	O. D.	I. D.	Length	Wgt.	C.B. Ft.	Subs Ft.	Ft. Up On Kelly

IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES

BITS No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION

MUD	8 a.m.	10 a.m.	12 noon	2 p.m.	Additives
WEIGHT					
VISCOSITY					
GEL					
Pump Pressure Model					
Pump Pressure Model					
Pump S.P.M. Model					
Pump S.P.M. Model					
Pump Liner Size Model					
Pump Liner Size Model					

W.L. F.C. pH.

At Surveys Degree | MOTOR HOURS 1 2 3 4 5 | Next Oil Change | FUEL Gals. WATER Bbls. COAL Tons

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or Cut	Feet Left on Spool	Next Slip

General

REMARKS	Start	Stop	Interval
Rig up	[illegible]	[illegible]	8

Company Time Cont'r Time

Tour — 4 p.m. to Midnight

Specify actual hours worked		Hrs.
Driller	F. Haines	16
Derrick	R. Tjosthein	16
Floor		
Floor		
Floor	R. Balfour	16
Motor	D. Tizzard	16
Mechanic		
Extra		

Injuries:

Fires:

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS No.	O. D.	I. D.	Length	Wgt.	C.B. Ft.	Subs Ft.	Ft. Up On Kelly

IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES

BITS No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.	Additives
WEIGHT			8.5	8.5	[illegible]
VISCOSITY			38	35	[illegible]
GEL					
Pump Pressure Model [illegible]			400	400	
Pump Pressure Model					
Pump S.P.M. Model [illegible]			60	60	
Pump S.P.M. Model					
Pump Liner Size Model [illegible]			5½	5½	
Pump Liner Size Model					

W.L. F.C. pH.

At Surveys Degree | MOTOR HOURS 1 2 3 4 5 | Next Oil Change | FUEL Gals. WATER Bbls. COAL Tons

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or Cut	Feet Left on Spool	Next Slip

General

REMARKS	Start	Stop	Interval
Rig Up	4:00	6:00	2
Dig Rat Hole — Mix Mud	6:00	12:00	6

Company Time Cont'r Time

Totco Ring on Bit No.____ D.P. Calipered Date____ Results____ From Pipe Rack____

B.O.P. Test-Operated____ Time____ Results____

Total Contractor Time____Hrs. Toolpusher [signature]

Total Company Time____Hrs. Approved by____

FORM E-2

THIS COPY TO CONSERVATION BOARD (MAIL TO CALGARY OFFICE)