

CDR CHEVRON MILLS
LAKE - C-12

WELL NAME CDR Chevron Mill - Lake 4-11 C-12

FIELD

LOCATION: Unit

Area:

Section

Grid

Latitude

Longitude

From Established Reference Marker

Government BN 66T-146

U.W.L.R. 61-02472 -- 117-32778

U.W.I.No. 3008726110117150

C12

Rig Release Date:

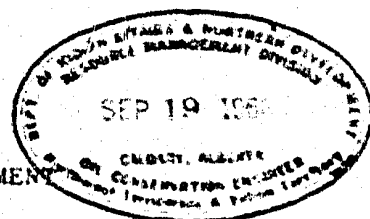
Status

Information Release Date

CHANGE OF NAME:

DATE RECEIVED	INDEX
Dec. 22/67	Application for a Drilling Authority.
Aug 24/68	Well Completion Data.
	Well History Report.
Apr 20/68	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

File No.
Drilling Authority No. 285



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. 285, concerning

CDE Chevron Mills Lake C-22
(Name and Number of Well)

The following amendments are required:

CHANGE OF WELL NAME: From - CDE Chevron Mills Lake C-22, To - CDE Chevron Mills Lake C-12

CHANGE OF LOCATION: From - Unit O, Section 22, Grid 61°10' N., 117°15' W.
To - Unit C, Section 12, Grid 61°10' N., 117°15' W.

From - Lat. 61°01'47" N., Long. 117°19'40" W.
To - Lat. 61°01'01.85" N., Long. 117°17'55.13" W.

CHANGE OF UNIVERSAL WELL LOCATION REFERENCE:

From - Lat. 61.02972° N., Long. 117.32778° W.
To - Lat. 61.01719° N., Long. 117.29864° W.

CHANGE OF UNIQUE IDENTIFIER - From 3000226110117150, To - 300C126110117150

Reasons for the amendments:

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

Dated at Calgary, Alberta this 17th day of September, 19 68

Signed by [Signature]

Title Staff Engineer

Company CENTRAL DEL RIO OILS LIMITED

(For Resource Management Division use only)

APPROVED

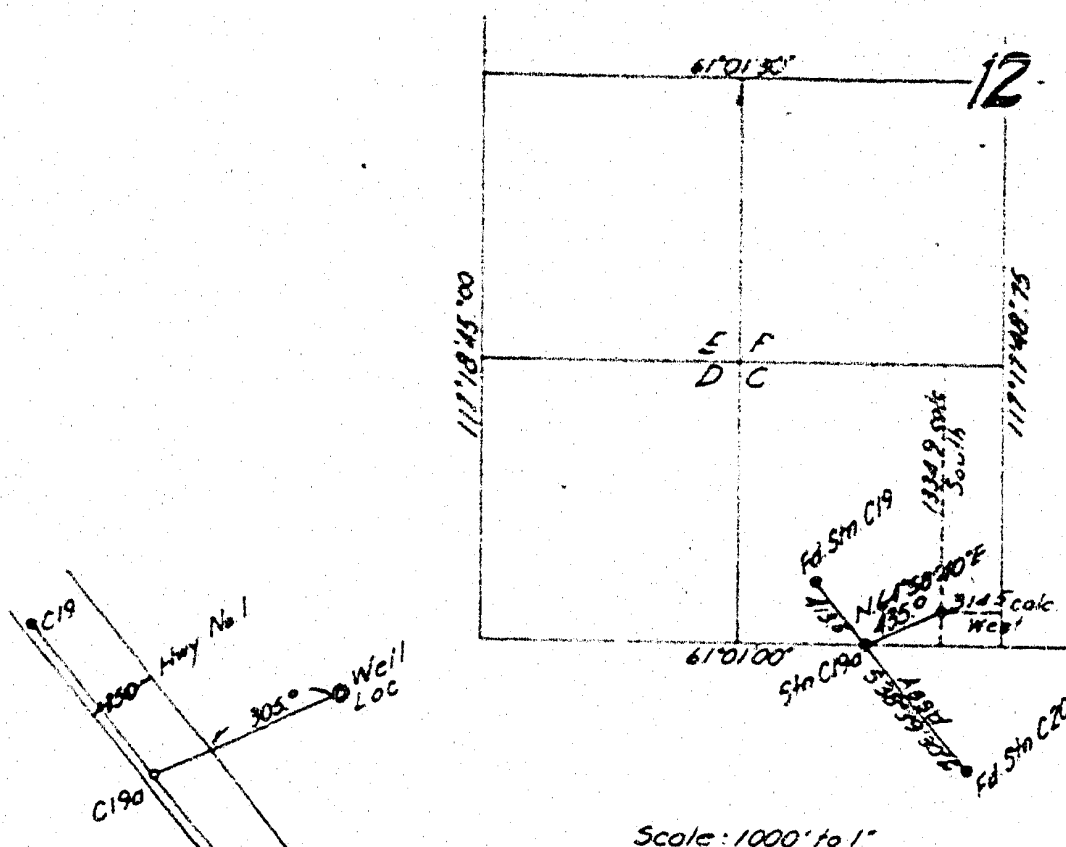
This application has been examined and approved subject to the following conditions:

Date 20th September, 19 68

[Signature]
Oil Conservation Engineer

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

FINAL PLAN
CDR CHEVRON MILLS LAKE C-12
 Unit C Section 12 Grid Area 61°10'; 117°15'
 Latitude 61°01'01".85 Longitude 117°17'55".18
 NORTHWEST TERRITORIES



Scale: 1000' to 1"

DETAIL
 Scale: 400' to 1"

CO-ORDINATE TABLE				
UTM Values		Scale Factor 0.9999	Ref Mer. 117°00'	
Station	Bearing	Distance	North	East
C19	S 78° 32' 40" E	413.5	22,199,887.2	-53,100.3
C19a	N 64° 32' 40" E	425.0	22,199,822.3	-53,377.3
Well Loc			22,200,012.9	-52,985.9

Survey completed Feb. 16, 1968
 Certified Correct

[Signature]
 Alberta Land Surveyor

**CENTRAL DEL-RIO
 OILS LIMITED**

[Signature]
[Signature]

NOTE:

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

ELEVATION: 655 Ground

DATUM: Gov't BM 66T-146
 Elev.: 654.0

Prepared by:
MIDWEST SURVEYS CO. LTD.

C-1153-67



Drilling Authority No. 286
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 **COE Chevron Mills Lake C-12**
Permit No. **3979** Lease No. **N/A**
Chevron Standard Limited Exploratory Licence No. **1065**
(Permitter, Licensee, Lessee)
Central-Del Rio Oils Limited Exploratory Licence No. **1059**
(Operator)
Location: Unit **C** Section **12** Grid **61°10'N; 117°15'W**
Latitude **61°01'01.85"N** Longitude **117°17'55.13"W**
From Established Reference Marker **Gov't B.M. 65T-145**
Universal Well Location Reference Lat: **61.01719** Long. **117.29864**

	DATE	DEPTH	Pool(s)
			Interval(s) open to production
Spudded	1-7-68	0	
Suspended	-	-	
Resumed Operations	-	-	
Finished Drilling	1-16-68	2210	
Deepened	-	-	Elevation: Gr. 655 K.B. 663
Complete (gas/oil)	-	-	Rig No. 77
Abandoned	1-18-68	2210	Drilling Contractor Sedco Exploration Ltd.
Rig released	1-19-68	-	Contractor's Business Licence No. 18187

CASING RECORD

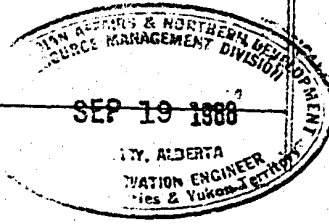
Casing Size (Inches)	Grade	Weight	Amount	Set at -	Series of Cement and Additives
1. 7"	J-55	20#	240.80	248.80	100 sac + 2% CaCl ₂
2. No cement returns. Ran 1-inch pipe down outside casing and cemented with 8 sacks.					
3.					
4.					
5.					
6.					

GEOLOGICAL TOPS	ELEVATION		CORE RECORD					
	Depth	Sub-sea	From	To	Rec.	From	To	Rec.
Hay River Shale	254	+409	None					
Mills Lake Member	1526	-863						
Slave Point	Not present							
Pine Point Equiv.	1763	-1100						
Kluz Shale	1823	-1160						
Lonely Bay	1847	-1184						
Keg River Platform	2017	-1354						
Chinchaga	2037	-1374	LOG RECORD					
Green Shale	2102	-1439	Run No.	Type of Log		From	To	
Granite Wash	2146	-1483	1	Induction Electrical Log		2206	250' surface pipe	
Precambrian	2193	-1530	1	Borehole Compensated Sonic, Gamma Ray, Caliper		2205	250' surface pipe	
T.D. Driller	2210	-1547	1	Formation Density		2206	250' surface pipe	
T.D. Schl.	2207	-1544	1	Sidewall Neutron Porosity		2206	250' surface pipe	
			1	Gamma Ray thru surface pipe Porosity-Lithology Log (SNP-FDC)		2207	surface pipe	

CEMENTING RECORD (Plug, Squeeze, etc.)				PERFORATING RECORD (Bullet, Jet)				SERVICING RECORD (Acidizing, Fracing, etc.)			
Date	From	To	Remarks	Date	From	To	Remarks	Date	From	To	Remarks
Jan. 18/68	2210'	1690'	100 sacks + 3% gel Felt at 1673'								
Jan. 19/68	300'	200'	26 sacks + 3% CaCl ₂ Felt at 197'								
Jan. 19/68	Cut casing off 3' below ground level, cemented with 5 sacks cement and welded on steel plate.										

DRILL STEM TESTS

No.	Date	Formation	From	To	V.O. Mins.	I.S.I. Mins.	F.S.I. Mins.	I.S.I.R.H.P.	F.S.I.R.H.P.	LF.R.H.P.	F.F.R.H.P.	I.R.P.	F.R.P.	REMARKS
1	1-15-68	Basal Keg River Platform	2000	2040	60	91	90	913	939	85	143	976	976	230' water cut mud, salinity 10,000 ppm. Cl ⁻ , 16,500 ppm. NaCl
2	1-17-68	Granite Wash	2120	2210	60	90	90	919	1010	55	64	1172	1163	118' Drilling Fluid



ANALYSIS				PRESENT STATUS OF WELL			
Lab. No.	Sample	From	To	Source	Remarks	Oil	(Interval)
CBH-2-2625	Water	2000	2040	DST #1 DST #1	Middle 115' MFE tool		
						Gas	(Interval)
						Dry	
						Susp.	

Company **Central-Dei Rio Oils Limited**
 Signed by *Heedeehan*
 Title **Staff Engineer**
 Date **August 29, 1968**

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



File No. _____
Drilling Authority No. 285

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 0-22
Location: Unit 0 Section 22 Grid 61°10'N; 117°15'W
Latitude 61°01'47" Longitude 117°19'45"
From Established Reference Marker Gov't N.M. 68T-146
Universal Well Location Reference Lat. 61.02972° N., Long. 117.32775° W.
Permit No. 3979 Lease No. N/A

Chevron Standard Limited
(Permitter, Licensee, Lessee)

Date of commencement of proposed program January 18, 1968

OIL, GAS, AND WATER ENCOUNTERED
(Depths)

Oil at None found
Gas at None found
Water at 2000 - 2040 Basal Keg River Platform
Total Depth 2210 Date of last operations January 12, 1968
Present condition of well Drilling mud in hole, 7" surface pipe at 249 feet.

CASING RECORD

Casing Size O.D. Inches	Weight	Amount	Set At—	Sacks of Cement and Additives	Amount Pulled
7"	20# J-55	240.80	216.80	100 sacks + 2% CaCl ₂	None
1.				No returns. Ran 1-inch pipe down o side casing and cemented with 8 sacks.	
2.					
3.					
4.					
5.					

PROPOSED ABANDONMENT PROGRAM

Plug		Geological Formation	Number of Sacks of Cement	Remarks
No.	Position			
1	2210-1690	Precambrian to Lonely Bay	100 sax + 2% Gel	Felt at 1678
2	300-200	Bottom of surface pipe	26 sax + 2% Gel	Felt at 197
3	Out off surface pipe 3 ft. below ground, cemented with 5 sacks, welded on plate and erected monument.			

The following logs have been run Induction Electrical Log, Borehole Compensated Sonic Log,
Other operations proposed None Formation Density Log, Sidewall Neutron Porosity
Porosity-Lithology Log

Operations to be carried out by Sedco Explorations Ltd. Contractor Licence No. _____
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 January 1968
Signed by *[Signature]* Company Central-Del Rio Oil & Gas 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:

Dated _____ Confirming oral approval given by Mr. B. E. J. Jones
on the 17th of January 1968
Forms to be submitted in triplicate to Oil Conservation Engineer,
Department of Indian Affairs and Northern Development, Calgary, Alberta.

Drilling Authority No. 285

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 hereby made for approval to drill:—

Name and number of well **GR Chevron Mills Lake 0-22**
 Location: Unit **0** Section **32** Grid **61°10'; 117°15'**
 Latitude **61°01'47"** Longitude **117°19'40"**
 From Established Reference Marker **Government BM 66T-146**
 Universal Well Location Reference **Lat. 61.02972° N., Long. 117.32776° W.**
 Elevation: Ground **835** K.B. **670 est.** feet above sea-level.
 Well is expected to produce from **Devonian** formation at a depth
 of about **2200** feet. Expected total final depth **2300**
 Area assigned to well

(For Oil Conservation Engineer's use only)

Permit No. **3879** Lease No. **61,320**
 Permittee, licensee, or leasee **Chevron Standard Limited**

Exploratory Licence No. **1033**

Surface owned by Crown or **Crown**

(If alienated submit name and address of owner and occupant.)

Petroleum and natural-gas rights owned by **Crown**

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

Casing Size O.D. (Inches)	Weight (Lb./Ft.)	Grade	New or Used	Estimated Depth	Backs 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 2200' 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:—

Contractor's Business Licence No. **18187**

At well **C.H. Hodgson**

At registered office **W.J. Scott**

Address **Calgary, Alberta**

Address **Calgary, Alberta**

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

Dated at **Calgary** this **21st** day of **December** 19 **67**

Signed by **[Signature]** Company **Central-Del Rio Oils Limited**

Title **Staff Engineer** Operator's Licence No. **1039**

(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**

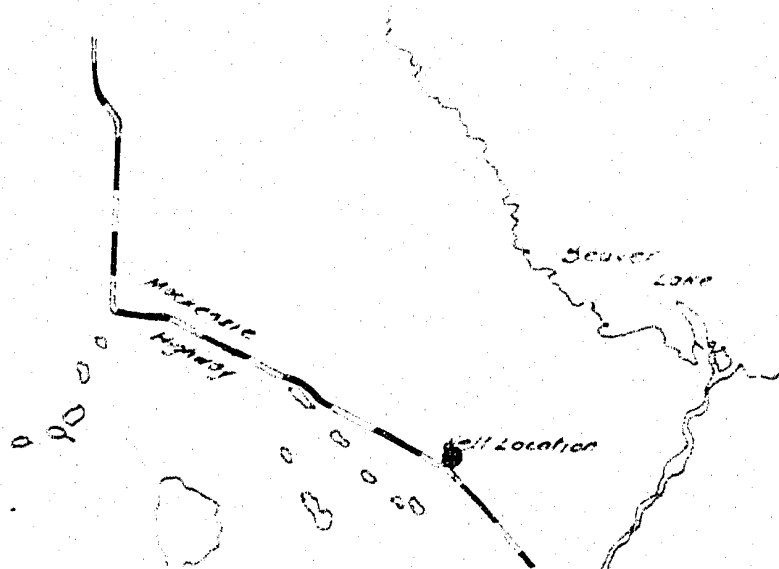
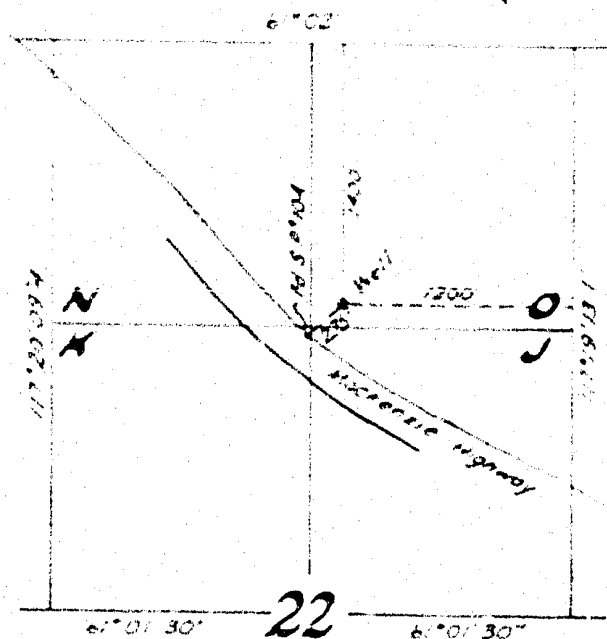
Oil Conservation Engineer

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

LAND 52-90-1 (3-67)

Unique Well Identifier - 3000226110117150

PRELIMINARY PLAN
CDR CHEVRON MILLS LAKE O-22
 Unit O Section 22 Grid Area 61°10'; 117°15'
 Latitude 61°01'47" Longitude 117°19'40"
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.

Wm. Dabbs
 Dominion and Alberta Land Surveyor

J.R. Bat
 Witness
MIDWEST SURVEYS CO. LTD.

CENTRAL-DEL RIO OILS LIMITED

J. H. Hodge
L. Hodge

ELEVATION: 655 Ground

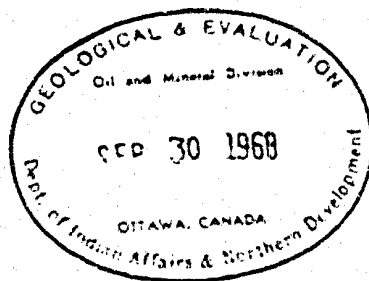
CO-ORDS: Well is located 1400'S of N.E. cor. Unit O
 1200'W Sec. 22

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

DATUM: Govt B.M. 66T-146 Elev. 654.0

WELL HISTORY REPORT
on the
DRILLING, TESTING, & ABANDONMENT
of
CDR Chevron Mills Lake C-12

Copy #4



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WELL HISTORY REPORT

on the

DRILLING, TESTING, & ABANDONMENT

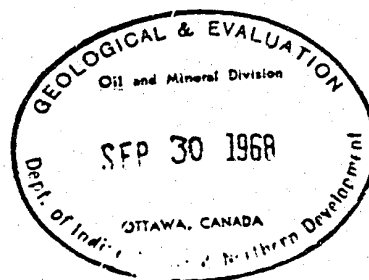
of

CDR Chevron Mills Lake C-12

Location: Unit C, Section 12, Grid $61^{\circ}10'$, $117^{\circ}15'$
Latitude $61^{\circ}01'01.85''$, Longitude $117^{\circ}17'55.13''$

Northwest Territories

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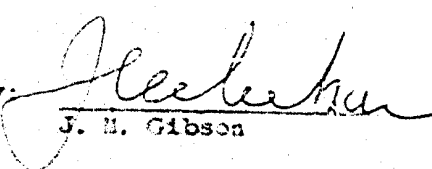


CDR Chevron Mills Lake C-12

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Approved by:


J. H. Gibson

September 13, 1968.

CDR Chevron Mills Lake C-12
Northwest Territories

Section I - Summary of Well Data

- (a) Well name and number - CDR Chevron Mills Lake C-12
- (b) Permitter - Chevron Standard Limited
Licencee - Central-Del Rio Oils Limited
- (c) Name of Operator - Central-Del Rio Oils Limited
- (d) Location - Unit C Section 12 Grid 51°10', 117°15'
Latitude 61°01'01.85"N Longitude 117°17'55.13"W
- (e) Universal Well Location Reference - Latitude 61.01719°N
Longitude 117.29884°W
- (f) Unique Well Identifier - 300C126110117150
- (g) Permit No. - 3973
- (h) Drilling Contractor - Sedco Exploration Ltd., Rig no. 77,
Rotary.
- (i) Drilling Authority - Drilling authority no. 285 issued
December 22, 1967.
- (j) Classification - Wildcat
- (k) Elevations - Ground: 655' K.B.: 670' est. 663' actual.
- (l) Spudded - Spudded 11:45 a.m. January 7, 1968.
- (m) Completed Drilling - T.D. reached 7:00 p.m. January 16, 1968
- (n) Total Depth - 2210'.
- (o) Well Status - Dry and abandoned.
- (p) Rig Released - 11:55 a.m. January 19, 1968.
- (q) Hole size - 9 7/8", 0 - 252', 252' to T.D. - 6 1/4"
- (r) Casing - 7" 20" J-55 ST&C seamless casing at 248.80' with
108 sacks cement + 2% CaCl₂

Section II - Geological Summary

See attached Geological Summary

GENERAL WELL DATA

WELL NAME: CDR CHEVRON MILLS LAKE C - 12

OPERATOR: CENTRAL-DEL RIO OILS LIMITED

LOCATION: Unit C, Section 12, Grid 61° 10'N, 117° 15'W

CO-ORDINATES: South 1400 ft., West 1200 ft (of N.C. Unit B, Sec. 22)

CLASSIFICATION: WILDCAT

ELEVATIONS: Grd. Elev: 655 ft. K.B. Elev: 663 ft.

DRILLING CONTRACTOR: Sedco Exploration Ltd., Rig #77

TOOL PUSH: Fred Pandry

DRILLING EQUIPMENT:

Drawworks:	Feiling 2500 (Trailer Rig)
Derrick:	Feiling
Pump:	National C-1508
	Feiling D-50 (standby)
Motors:	General Motors 471 (one bank)
Drill Pipe:	3 1/2" IF
Drill Collars:	(8) 4 3/4" IF
B.D.P.'s:	Hydril and Schaffer

SERVICE COMPANIES:

Drilling Mud:	International Minerals & Chemical Corp.
Cementing:	Halliburton Oilwell Cementing Co. Ltd.
Testing:	Johnston Testers Ltd.
Logging:	Schlumberger of Canada

DATE SPUDDED: January 7, 1968 (11:45 A.M.)

SURFACE CASING: Ran 7 joints of 7" 20 lb., J-55 ST & C mannesmann casing cemented with 100 sacks construction cement plus 2% CaCl₂. Casing landed at 248.80 ft. K.B. Plug down 5:30 P.M. January 9, 1968.

UNDER SURFACE: January 11, 1968 (8:30 P.M.)

CHANGE OVER: January 13, 1968 (1440 ft.)

DRILLING MUD: IMC - Gel Chemical

CORED INTERVALS: None

DRILL STEM TESTS: DST #1: 2000 - 2040 (Basal Keg River Platform)
DST #2: 2120 - 2210 (Granite Wash)

FINISHED DRILLING: January 16, 1968 (7:00 P.M.)

TOTAL DEPTH: 2210 ft. (17 ft. into Precambrian)

HOLE SIZE:

9 7/8" surface to 252 ft.
6 1/4" 252 to 2210 ft.

SAMPLES:

Central-Dei Rio Gila Ltd: 10 foot samples washed, dried and bottled from 150 ft. to total depth.

Chevron Standard Ltd: 10 foot samples washed, dried and bottled from 150 ft. to total depth.

G. S. C.: 10 foot samples in bags from 150 ft. to total depth.

LOGS RUN:

January 17, 1968

Schlumberger Induction Electrical Log
2" scale total depth to surface casing
5" scale total depth to surface casing

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

Schlumberger Formation Density Log
Dual 5" scale total depth to surface casing

Schlumberger Sidewall Neutron Porosity Log
Dual 5" scale total depth to surface casing
(Cement Ray run up through surface casing)

Schlumberger Porosity-Lithology Log (SNP - FDC)
5" scale total depth to surface casing

ABANDONMENT PLUGS:

PLUG #1: 2210 - 1690 with 100 sacks cement plus
2% Cel.

Plug Down: January 18, 1968 (6:00 P.M.)

Waited 8 hours.

Felt plug at 1678 ft. (12 ft. high)

PLUG #2: 300 - 200 with 26 sacks cement plus 2%
CaCl₂.

Plug Down: January 19, 1968 (2:45 A.M.)

Waited 8 hours.

Felt plug at 197 ft. (3 ft. high)

PLUG #3: Cut casing off 3 ft. below ground level,
cemented with 5 sacks cement and welded
on steel plate. Erected monument.

RIG RELEASED:

January 19, 1968 (11:59 A.M.)

STATUS:

DRY AND ABANDONED

GEOLOGICAL MARKERS
(IES LOG)

Grd. Elev: 655 ft.
K.S. Elev: 563 ft.

<u>FORMATION</u>	<u>DEPTH</u>	<u>ELEVATION</u>
<u>DEVONIAN</u>		
May River Shale	254	• 409
Mills Lake Member	1526	- 863
Slave Point	-	-
Pine Point Equivalent	-	- Not Present
Kluam Shale	1763	-1100
Lonely Bay	1823	-1160
Keg River Platform	1847	-1184
Chinsegan	2017	-1354
Green Shale	2037	-1374
Granite Wash	2102	-1439
	2146	-1483
<u>PRECAMBRIAN</u>	2193	-1530
<u>TOTAL DEPTH</u>		
Driller	2210	-1547
Schlumberger	2207	-1544

SAMPLE DESCRIPTIONS

NOTE: SAMPLES WERE UNLAGGED AND CAUGHT AT 10 FOOT INTERVALS FROM 150 TO 1880 FT.

SAMPLES WERE LAGGED 1 MINUTE PER 100 FEET AND CAUGHT AT 10 FOOT INTERVALS FROM 1880 FT TO TOTAL DEPTH.

SAMPLE STUDY BEGINS AT 150 FT.

150 - 254

CLAY, SAND, PEBBLES AND FRAGMENTS

CLAY: grey, soft to mushy

SAND: colorless to grey, very fine to medium grained, quartzitic, poorly sorted, unconsolidated in part, calcareous, some fossil fragments with trace crinoid stems loose in sample tray, pyritic in part, dirty, very silty in part, tight in part.

PEBBLES AND FRAGMENTS: of colorless and light brown QUARTZITE, pink GRANITE, LIMESTONE, HORNBLENE, FELDSPAR.

HAY RIVER SHALE 254 (409)

254 - 460

SHALE: grey to greenish-grey, fissile to blocky, very calcareous, very silty, soft, micromicaceous.

Minor grey, dense LIMESTONE

460 - 640

SHALE: light grey to grey to slightly greenish-grey, blocky in part, mushy in part, very bentonitic.

640 - 750

SHALE: as above, some bituminous flecking

SHALE: brownish-grey, blocky, slightly calcareous, very silty-grading to argillaceous siltstone.

SHALE: grey-green to greenish-grey, fissile to blocky, very calcareous, very bentonitic, micromicaceous, some pyrite.

750 - 990

SHALE: grey to light greenish-grey, fissile to blocky, very calcareous, very bentonitic, micromicaceous.

Trace stringers of buff, dense DOLOMITE and SILTSTONE.

990 - 1100

SHALE: as above becoming splintery in part, few bituminous flecks.

Trace stringers of LIMESTONE: dark grey, fossiliferous and fragmental, very argillaceous, pyritic, trace crinoid stems.

- 1100 - 1220 SHALE: gray to greenish-gray, fissile to blocky, splintery in part, very calcareous, silty, micromicaceous.

Some SHALE: green, blocky, calcareous, micromicaceous.

Trace large crinoid stems loose in sample tray.
- 1220 - 1300 SHALE: gray, gray-green to green, gray to dark gray in part, blocky, splintery in part, very calcareous, bentonitic, micromicaceous, few bituminous flakes.

Some LIMESTONE: stringers, brownish-gray, microcrystalline, silty, dense; tight.
- 1300 - 1320 SHALE (60%): gray-green to green, fissile to blocky, splintery in part, calcareous, silty, micromicaceous, trace disseminated pyrite.

SHALE (40%): gray to dark gray, fissile to blocky, splintery in part, non-calcareous, very silty, abundant bituminous flakes.
- 1320 - 1340 SHALE: gray-green as above; fissile to splintery

SHALE: dark brown to dark brownish-black, bituminous, slightly calcareous, silty

Some LIMESTONE: light buff-gray, microcrystalline, argillaceous, dense; tight, no shows.
- 1340 - 1420 SHALE: gray to gray-green to green, fissile to blocky, splintery in part, calcareous, micromicaceous, silty, some bituminous flakes

Trace dark brownish-black SHALE

Trace pyrite
- 1420 - 1440 SHALE: as above

SHALE: gray to dark gray, blocky, non-calcareous, silty, micromicaceous, bituminous flakes

LIMESTONE (10-20%): light gray to light buff-gray, slightly mottled, microcrystalline, argillaceous, dense, trace disseminated pyrite; no visible porosity or oil shows.
- 1440 - 1460 SHALE: gray-green to green as above

1460 - 1526

SHALE (50%): gray-green to green, fissile to blocky to splintery, slightly calcareous, micromicaceous, silty

BITUMINOUS SHALE (50%): brown to dark brown, blocky, calcareous, silty, micromicaceous

Trace light gray to buff-gray, dense LIMESTONE

MILLS LAKE MEMBER 1526 (-863)

1526 - 1580

BITUMINOUS SHALE (90%): brown to dark brown to black, blocky, slightly calcareous to calcareous in part, very silty, micromicaceous

SHALE (10%): gray-green to green, fissile to splintery, slightly calcareous to calcareous, slightly waxy, silty, micromicaceous.

1580 - 1686

SHALES: as above (50-80%) with stringers of light gray to buff-gray, microcrystalline, argillaceous LIMESTONE

Some dark gray, splintery, slightly calcareous SHALE

1686 - 1763

SHALES: as above with some brown to dark brown, very argillaceous, microcrystalline to microgranular, dense, tight LIMESTONE

PINE POINT EQUIVALENT 1763 (-1100)

1763 - 1823

LIMESTONE: tan to dark brown, slightly mottled, microcrystalline to microgranular, very argillaceous; no visible porosity or oil shows.

Some brown and green SHALES

KLUA SHALE 1823 (-1160)

1823 - 1847

BITUMINOUS SHALE: dark brown to black, blocky, slightly calcareous to calcareous, very silty, micromicaceous, some disseminated pyrite and pyrite crystals, abundant white to colorless calcite mottling.

BITUMINOUS LIMESTONE: dark brown, mottled, microgranular, very shaly, fossil debris, crinoid stems and trace brachiopod fragments, pyrite crystals, calcite veining, mottling and secondary infilling of fossils; no visible porosity or oil staining, trace very slow streaming cut in chloroform.

LOVELY BAY 1847 (-1184)

1847 - 1900

LIMESTONE: brown to dark brown, mottled in part, microcrystalline to microgranular, slightly argillaceous, calcite veining; no visible porosity or oil staining.

1900 - 1940

LIMESTONE: buff-gray to dark grey-brown, mottled in part, microcrystalline to microgranular, cryptocrystalline, microsucroic and chalky in parts, slightly argillaceous to argillaceous, scattered large crinoid ossicles at top becoming coarsely crinoidal in large part, free large crinoid stems in sample tray, possible stromatopora and/or brachiopods, some calcite crystallization along smooth planes; no visible porosity or oil shows, very slight cut in chloroform.

1940 - 2017

LIMESTONE: dark grey-brown, dark brownish-black in part, cream to buff-gray in part, cryptocrystalline and microsucroic, slightly argillaceous, abundant stromatopora and pellets, calcite veining and patches; no visible porosity, some black pyrobitumen, trace very slight cut in chloroform.

BASAL KEE RIVER PLATFORM 2017 (-1354)

2017 - 2037

DOLomite AND LIMESTONE

DOLomite: cream to buff, microgranular, limy, slightly argillaceous, microvuggy, few pinpoint vugs, possible fossil fragments (indistinct); fair to good intergranular and vuggy porosity decreasing towards base, some good patchy oil staining on few chips (5% or less), good fluorescence, fair cut in chloroform (see DST #1)

LIMESTONE: dark grey-brown as above with some micro to pinpoint vugs; some vuggy porosity and oil staining (see DST #1)

CHINCAGA 2037 (-1374)

2037 - 2102

DOLomite AND ANHYDRITE

DOLomite: cream to light brown, microcrystalline to microsucroic, argillaceous, some colorless and brown anhydrite inclusions, trace pyrite, dense; tight, no oil shows, no cut in chloroform.

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

GREEN SHALE 2102 (-1439)

2102 - 2146

SHALE: bright green, blocky, non-calcareous.

Some DOLomite AND ANHYDRITE as above

Trace rust-red SHALE

GRANITE WASH 2146 (-1483)

2146 - 2193

SANDSTONE: clear, trace pink, unconsolidated fine to very coarse quartz grains floating free in sample tray, angular to sub-rounded to rounded, consolidated in small part, biotite flakes, minor feldspar; good porosity inferred due to loose quartz grains and drilling penetration (1 - 2 minutes per foot), no visible oil staining, no cut in chloroform (see DST #2)

PRECAMBRIAN 2193 (-1530)

2193 - 2210

GRANITE: fragments and chips of clear angular quartz, pink mottling abundant black biotite flakes, pink feldspar and hornblende.

2210

TOTAL DEPTH (Driller)

2207

TOTAL DEPTH (Schlumberger)

DRILL STEM TESTS

DSI #1:

2000 - 2040 (bottom hole) 1/2 inch choke.

ZONE TESTED: BASAL KEE RIVER PLATFORM

Preflow: 5 mins.

ISI 90 mins., VD 60 mins., FSI 90 mins.

Fair initial puff decreasing in 2 minutes to very weak during preflow. Very weak airblow holding steady throughout flow period. No gas indications.

RECOVERY:

230 ft. water-cut mud.

Field
PRESSURES:

ISIP 946 HD 990 - 990 FP 77 - 122 FSIP 924
BMT 113° F

REMARKS:

Ran Johnston MFE tool - dual packers, safety joint, jars and pump-out sub.

Charts normal - test satisfactory

Salinity of water sample: 16,000 ppm Cl⁻
16,500 ppm NaCl

Mud: Viscosity: 52
Weight: 9.6
Water Loss: 7.8

MFE Chamber: 1650 cc water-cut mud
10 lbs. pressure
No gas indications

7210 - 7210

7210 - 7210 (bottom hole) 1/2 inch choke

ZONE TESTED: GRANITE WASH

Preflow: 5 mins.

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

Weak initial puff decreasing to very weak during preflow.
Very weak air blow throughout flow period. No gas
indications.

RECOVERY:

118 ft. mud

Field
PRESSURES:

ISIP 1023 MP 1199 - 1199 FP 11 - 11 FSIP 935

BHT 99 f

REMARKS:

Ran Johnston MFE tool - dual packers, safety joint, jars
and pump-out sub.

Charts normal - test satisfactory

Mud: Viscosity: 55
Weight: 10.3
Water Loss: 3.2

MFE Chamber: 1595 cc mud
12 lbs. pressure
No gas indications

RIT RECORD

<u>RUN</u>	<u>TYPE</u>	<u>SIZE</u>	<u>OUT</u>	<u>FEET</u>	<u>HOURS</u>	<u>WEIGHT</u>	<u>RPM</u>	<u>PUMP PRESSURE</u>
1A	OSC3	9 7/8"	34	34	4 1/4	3000	80	150
2A	OWV	9 7/8"	150	116	7 1/2	6000	190	250
3A	OSC3	9 7/8"	252	102	7	9000	120	250
1	OSC3J	6 1/4"	1298	1046	14 1/4	10000	180	250
2	OSC1C	6 1/4"	1808	510	14	15000	160	300
3	OSC	6 1/4"	1948	140	10	15000	155	400
4	OSC1C	6 1/4"	2040	92	5 3/4	20000	155	500
5	OWV	6 1/4"	2151	111	9 3/4	20000	120	500
6	OWV	6 1/4"	2210	59	5 1/4	20000	80	600

NOTE: ACCUMULATIVE HOURS FROM DRILLING OUT TO TOTAL DEPTH: 59

MUD RECORD

<u>DATE</u>	<u>DEPTH</u>	<u>TYPE</u>	<u>WT.</u>	<u>VIS.</u>	<u>WATER LOSS</u>	<u>PH</u>	<u>FILTER CAKE</u>
Jan.8/68	150	water	8.4	29	-	-	-
Jan.9/68	252	water	8.6	35	-	-	-
Jan.12/68	1034	water	9.5	28	-	-	-
Jan.13/68	1440	water	8.7	40	-	-	-
Jan.14/68	1870	Gel-Chem	9.8	40	3.8	8.2	2/32
Jan.15/68	2040	Gel-Chem	9.6	58	7.8	10.0	4/32
Jan.16/68	2151	Gel-Chem	10.0	66	5.4	10.5	2/32
Jan.17/68	2210	Gel-Chem	10.3	55	3.2	10.5	2/32
Jan.18/68	2210	Gel-Chem	10.3	60	5.4	10.5	2/32

DEVIATION SURVEYS

<u>DEPTH</u>	<u>NUMBER OF DEGREES</u>
90	2
92	2 1/8
122	2
150	2 1/2
178	2
200	2
230	2
250	2
347	2
496	2
974	2
1298	1 1/4
1785	1 1/4
2210	1

Section III - Engineering Summary

(a) Report of Drill Stem Tests

Drill Stem Test #1: From 2000' to 2040'. Well depth 2040'.
 Preflow 5 min. Initial shut in 90 min. Valve open 60 min.
 Final shut in 90 min.

Description of blow: Preflow - good initial puff, weak in
 2 min. V.O. weak and steady throughout. Fluid recovery:
 230 feet water cut mud.

I.H.P.	974	F.H.P.	976
I.S.I.P.	959	F.S.I.P.	913
I.F.P.	85	F.F.P.	142

Mud viscosity 58. Weight 9.8. W.L. 7.8. Chlorides of muddy
 water in chamber 1650 ppm. Chlorides of fluid on top of tool
 10,000 ppm. No gas. Well temp. 113°.

Drill Stem Test #2: From 2120' to 2210'. Well depth 2210'.
 Preflow 5 min. Initial shut in 90 min. Valve open 60 min.,
 final shut in 90 min.

Description of blow: Very weak initial puff, very very weak
 blow throughout. Fluid recovery: 118 feet of drilling mud.

I.S.I.P.	1010	F.S.I.P.	919
I.H.P.	1173	F.H.P.	1162
I.F.P.	55	F.F.P.	64

1595 cc. of drilling mud in chamber. Well temp. 99°.

(b) Casing Record

T.D. 252'. Ran 7" 20#, J-55, ST&C, seamless casing.
 Float shoe at 246.80' K.B. Float collar 216.80' with 2
 centralizers, the first over the float collar and the second
 over the fourth collar up. Cemented with 100 sacks of
 construction cement plus 2% calcium chloride. Plug down at
 5:30 p.m. January 9, 1968. Displaced with 19.5 bbls. of
 water. Bumped plug with 600 psi. Float held - no returns.
 Ran 1 inch pipe 6 feet down outside of casing and cemented
 with 8 sacks. Dug out collar, installed casing clamp. Clamped
 off casing. Ran 7 joints of drill pipe inside casing and
 circulated casing with hot water for 9 hours.

(c) Bit Record

Bit No. 1A	OSC-3	9 7/8"	0' - 98'
2A	OWT	9 7/8"	98' - 252'
3A	OSC-3	9 7/8"	Clean out trip.
No. 1	OSC-3J	6 1/4"	252' - 1298'
2	OSC-1G	6 1/4"	1298' - 1808'
3	OSC	6 1/4"	1808' - 1948'
4	OSCLGJ	6 1/4"	1948' - 2040'
5	OWV	6 1/4"	2040' - 2151'
6	OWC	6 1/4"	2151' - 2210'

(d) Mud Report

Surface hole Gel-lime mud. Water from under surface to 1870'.
Mudded up with Gel, Feltex and caustic to control gels with
CMC (Levis) to control water loss, at 1870'. Viscosity
40 sec. to 58 sec. for testing and logging to T.D.
Water loss from 9.1 to 3.2 c.c. in 30 min. at time of logging.

(e) Deviation Record

<u>Depth</u> <u>Feet</u>	<u>Deflection</u> <u>Degrees</u>
93'	2 1/8°
122	2
130	2 1/2
178	1 7/8
200	2
230	2
232	2
347	2
496	2
974	2
1298	1 1/4
1808	1 1/4

(f) Abandonment Plugs

Plug No. 1: (2210' - 1550') 100 sack construction cement
plus 2% calcium chloride. Plug down at 6:00 p.m. January 18.
Felt plug #1 at 1678'.

Plug No. 2: (200' - 300') 26 sack construction cement plus
2% calcium chloride. Plug down at 2:45 a.m. January 19.
Felt plug #2 at 197'. Cut off surface pipe 3' below ground
level. Put 5 sack cement in pipe, welded plate on top of
casing and erected 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
See attached. - CBN-2-2525 - Jan 27/68

(c) Gas Analysis
None

(d) Oil Analysis
None

Section VI - Completion Summary

Not applicable.

J. M. Gibson
Staff Engineer

JMG/mei



CORE LABORATORIES-CANADA LTD
PETROLEUM RESERVOIR ENGINEERING
EDMONTON CALGARY REGINA
WATER ANALYSIS



File CBH-2-2525

Company Central-Del Rio Oils Limited

Page - 1 of 2

Well Name CDR Chevron Mills Lake C-12

Sample No. _____

Formation Basal Keg River Platform

Depth 2000' - 2040'

Location NL 61°01' 01.65'

Location WL 117°17' 55.13' Field _____

Province Northwest Territories

Date Sampled Jan. 15/68

Date Analyzed Jan. 29/68

Analyst MB

Sampled From DST # 1 - Middle 115'

By _____

Recovery 230' Water Cut Drilling Mud

Grd. - 655'

Elevation K.B. - 662.5'

Constituents:

1. Total Solids 32941 mg/liter 2. pH 7.70 3. Sp.Gr. 1.0266 @60°F.
4. Resistivity 0.23 Ohm-meters @ 68 °F 5. H₂S Absent

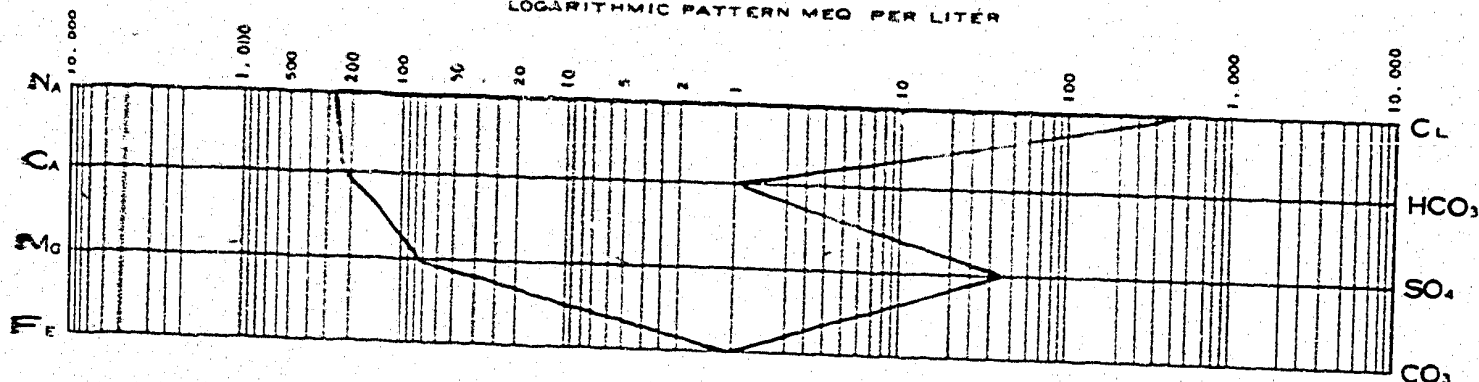
MILLIGRAMS PER LITER

Na & K	Ca	Mg	Fe	Ba	Cl	HCO ₃	SO ₄	CO ₃	OH
6658	4255	917	Abs.	Abs.	18709	68.3	2334	-	-

MEQ PER LITER

289.5	212.3	75.4			527.6	1.1	48.5	-	-
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LOGARITHMIC PATTERN MEQ PER LITER





CORE LABORATORIES-CANADA LTD
PETROLEUM REVENUE ENGINEERING
EDMONTON CALGARY REGINA
WATER ANALYSIS



File CBH-2-2525

Company Central-Del Rio Oils Limited

Well Name CDR Chevron Mills Lake C-12

Sample No. _____

Formation Basal Keg River Platform

Depth 2000' - 2040'

NL 61°01' 01.89"

Location NL 117°17' 35.13" Field _____

Province Northwest Territories

Date Sampled Jan. 15/68

Date Analyzed Jan. 29/68

Analyst MB

Sampled From DST # 1 - MFE Tool

By _____

Recovery 230' Water Cut Drilling Mud

Grd. - 655'

Elevation K.B. - 662.5'

Constituents:

1. Total Solids 130267 mg/liter

2. pH 7.15

3. Sp.Gr. 1.0950

@60°F.

4. Resistivity 0.065 Ohm-meters @ 68 °F

5. H₂S Absent

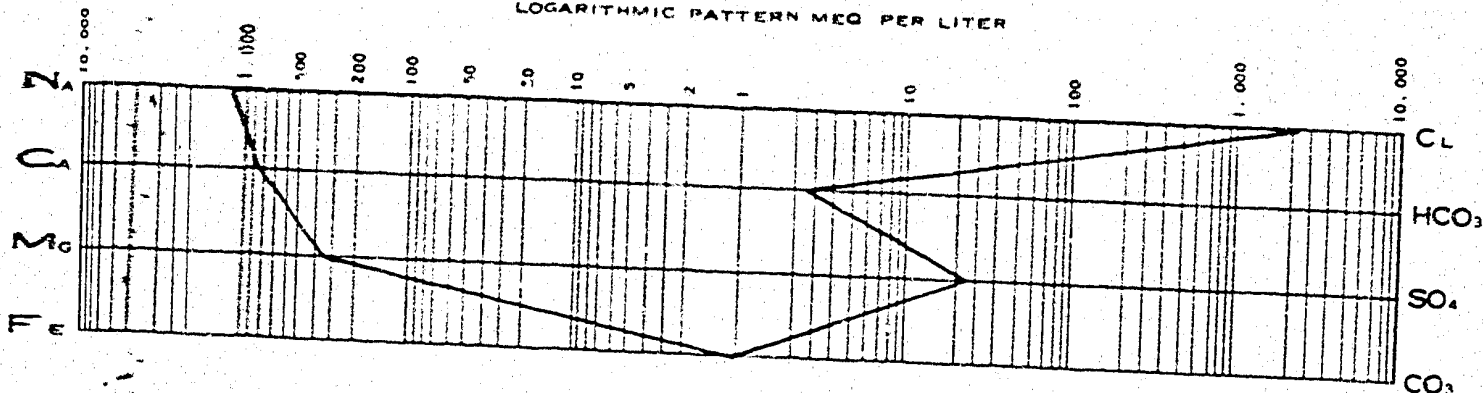
MILLIGRAMS PER LITER

Na + K	Ca	Mg	Fe	BA	CL	HCO ₃	SO ₄	CO ₃	OH
25696	17304	4245	Trace	Abs.	81543	156	1323	-	-

MEQ PER LITER

1117.2	863.5	348.9			2299.5	2.6	27.5	-	-
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LOGARITHMIC PATTERN MEQ PER LITER





CORE LABORATORIES-CANADA LTD
PETROLEUM RESEARCH ENGINEERING
EDMONTON CALGARY REGINA
WATER ANALYSIS



File CBH-2-2525

Company Central-Del Rio Oils Limited
Well Name CDR Chevron Mills Lake C-12 Sample No. _____
Formation Basal Kog River Platform Depth 2000' - 2040'
NL 61°01' 01.89'
Location WL 117°17' 55.13" Field Province Northwest Territories
Date Sampled Jan. 15/68 Date Analyzed Jan. 29/68 Analyst MB
Sampled From DST # 1 - MFE Tool By _____
Recovery 230' Water Cut Drilling Mud Grd. - 655'
Elevation K.B. - 662.5'

Constituents:

1. Total Solids 130267 mg/liter 2. pH 7.15 3. Sp.Gr. 1.0950 @60°F.
4. Resistivity 0.065 Ohm-meters @ 68 °F 5. H₂S Absent

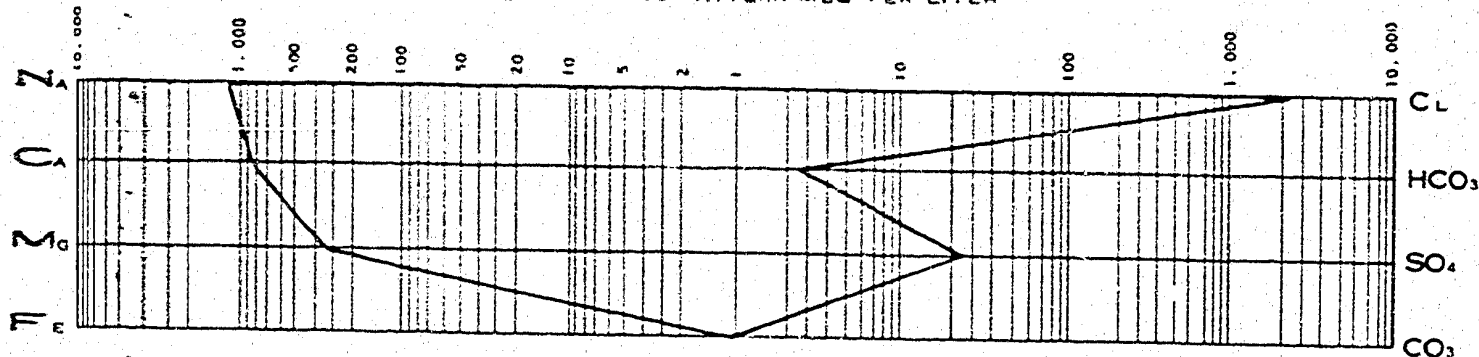
MILLIGRAMS PER LITER

Na & K	Ca	Mg	Fe	Ba	Cl	HCO ₃	SO ₄	CO ₃	OH
25696	17304	4245	Trace	Abs.	81543	156	1323	-	-

MEQ PER LITER

1117.2	863.5	348.9			2299.5	2.6	27.5	-	-
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LOGARITHMIC PATTERN MEQ PER LITER



INSTRUMENT NO.		DATE	
CAPACITY (gms.)		100	100
INSTRUMENT DEPTH		100	100
INSTRUMENT OPENING		100	100
PRESSURE GRADIENT (m/m)		100	100
WEIGHT (mg)		100	100
INITIAL HYDROSTATIC		100	100
FIRST FLOW		100	100
[m]		100	100
INITIAL SHUT-IN		100	100
SECOND FLOW		100	100
[m]		100	100
SECOND SHUT-IN		100	100
THIRD FLOW		100	100
FINAL SHUT-IN		100	100
FINAL HYDROSTATIC		100	100

TIME DATA

TIME GIVEN	TIME COMPUTED
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10:15	10:15
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100	100

MIN3	MIN3
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mins mins

MIN 1 MIN

MINS		MINS
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96	96	96
97	97	97
98	98	98
99	99	99
100	100	100

CLOCK TRAVEL IN/MIN

PRESSURE INCREMENTS

[illegible]

JOHNSTON TESTERS

FLUID SAMPLE REPORT

Date JANUARY 15, 1968

Field Report No. D-00106

Company CENTRAL-DEL RIO OILS LIMITED

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

Well CDR CHEVRON MILLS LAKE C-12

Field

WILDCAT

#61°-10'-117°-15"W

District FORT ST. JOHN

Province

N.W.T.

Test Interval 2000

To

2040

Test No.

1

Type of Test OPEN HOLE, BOTTOM HOLE

Recovery Description

90' DRILLING FLUID,

140' WATER

Bot. Hole Temp. 113 F.

Recorded Pressures:

ISI 959

psig.

RECORDER NUMBER

SSI

psig.

AK1-2594

FF 142

psig.

FSI 913

psig.

SAMPLE UNIT

Sample No. 1 Type MFE Volume 2500 Depth 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 1000

cc. Mud 650

Total Liquid cc. 1650

Gravity API @ F.

Gas Oil Ratio

RESISTIVITY

CHLORIDE CONTENT

Recovery Water 1000 @ F.

Mud Pit sample filtrate @ F.

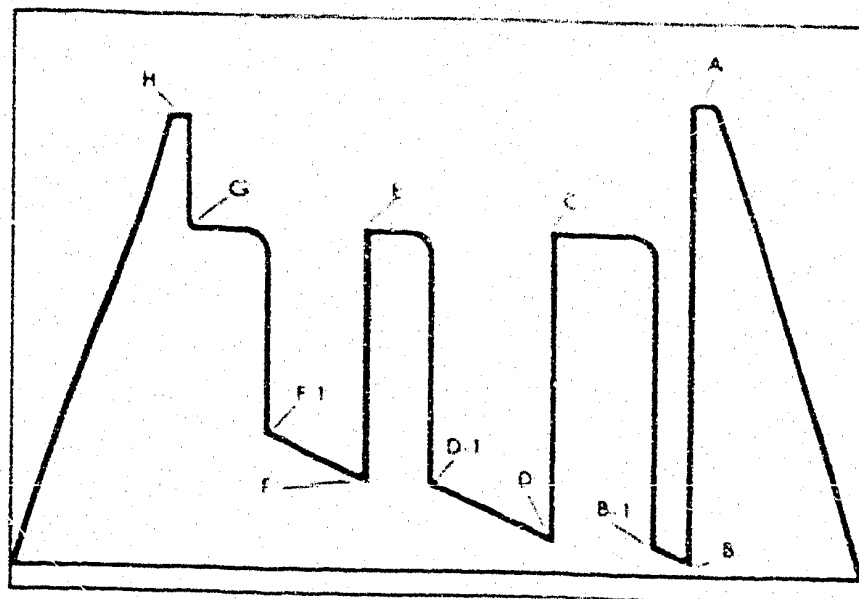
10,000 ppm.

 ppm.

REMARKS

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

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.

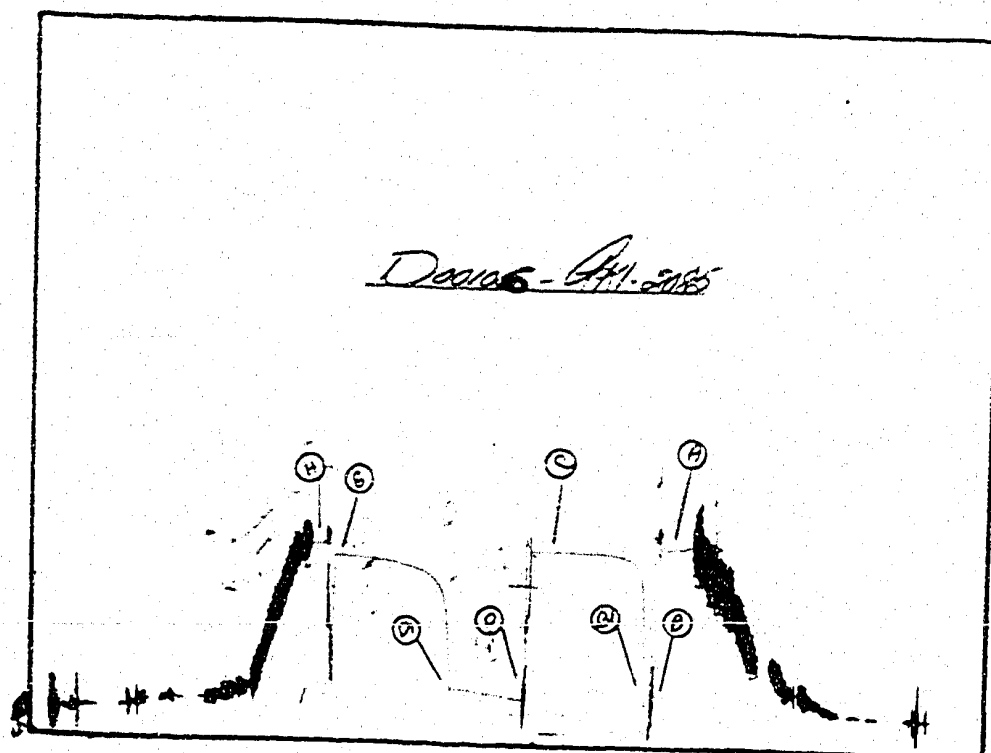


FIELD
REPORT NO
D-00106

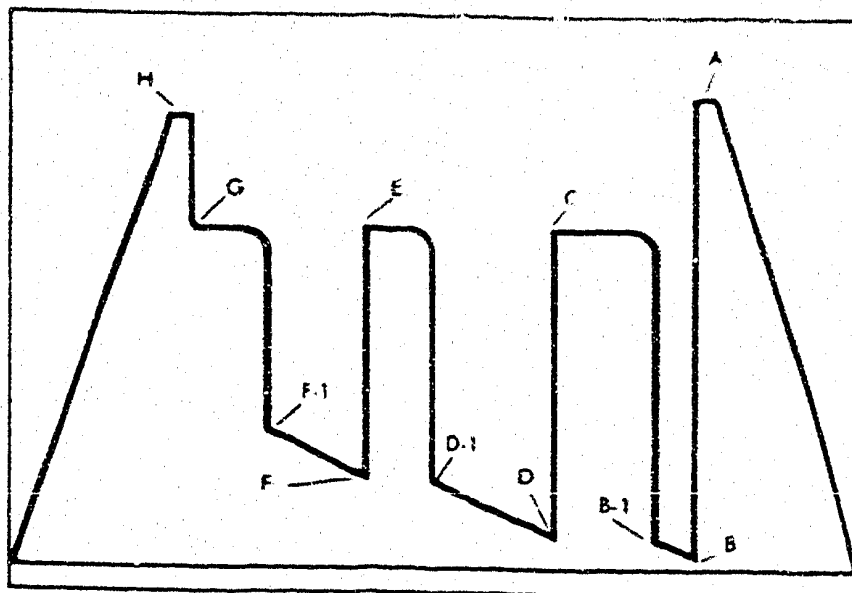
RECORDER NO
AK1-7085

CAPACITY
4400

REPORTS
REQUESTED
9



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.

FIELD
REPORT NO.

D-00106

RECORDER NO.

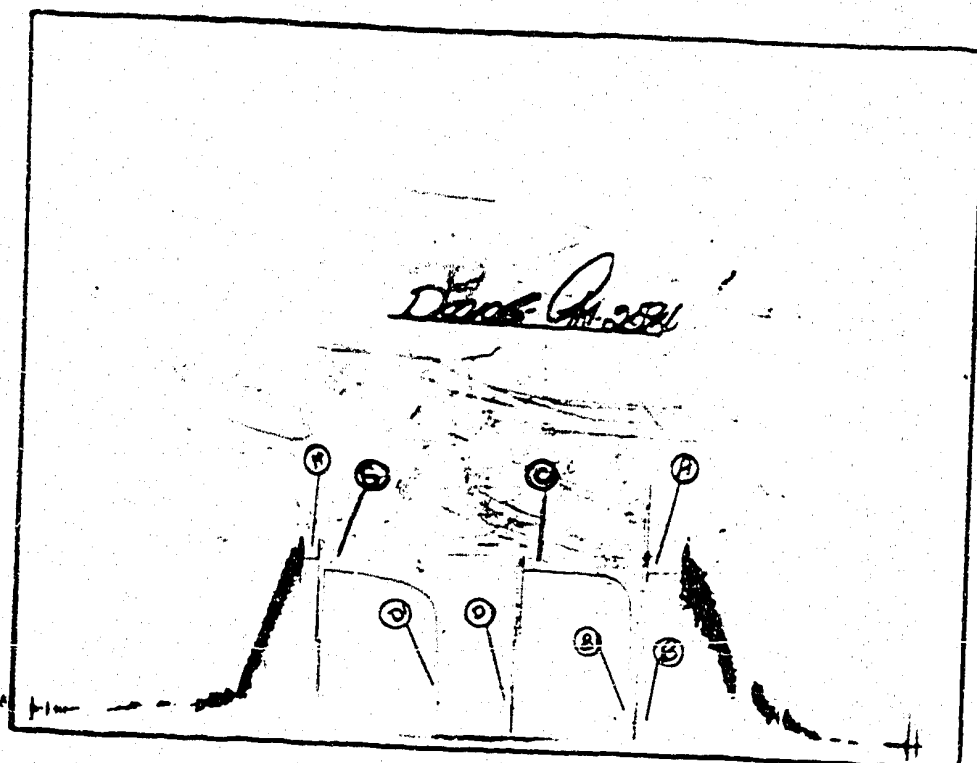
AK1-2594

CAPACITY

4450

REPORTS
REQUESTED

9





TEST DATA						TOOL SEQUENCE					
Formation	GRANIT WASH.		Zone Thickness	40	Fr	Tool	Length	OD			
Interval	2170	To	2210	To	2210	SUB.	.87				
Type of Test	OPEN HOLE, BOTTOM HOLE					P.O. SUB.	1.00				
Time Started in Hole	1215	Hrs	Tool Opened	0228	Hrs	SUB.	.90				
First Flow	5	Min	Shut In	90	Min	D.P. SUB.	.95				
Second Flow	60	Min	Second Shut In		Min	MFE TOOL	9.12				
Third Flow		Min	Final Shut In	90	Min	BYPASS TOOL	3.05				
Pulled Loose At	0633	Hrs	Out of Hole	1030	Hrs	JARS	6.90				
Wt. Set on Packers	#		Pulled Loose Wt.	#		SAFETY JT.	1.74				
Description of Blow During Test	WEAK BLOW THROUGHOUT TEST.					SAFETY SEAL	4.46				
FLUID RECOVERY Was Test Reverse Circulated Yes ☐ No ☒ Fr						PKR.	4.94				
						PKR.	4.82				
						TOTAL	38.75				
						STUB	1.32				
						PRER.	10.00				
						RECORDER	5.90				
						RECORDER	5.90				
						PERF.	5.00				
						D.C.	28.37				
						D.C.	28.48				
GAS BLOW MEASUREMENT						SUBS.	1.62				
						PERF. & B.N.	1.52				
						TOTAL INTERVAL	88.11				
						Measured With			10 Riser		
						Type of Instrument					
						Time	Size Choke	Reading inches	Cubic Feet Day		
REMARKS TEST SATISFACTORY.						TOTAL LENGTH	126.86				
						Elevation	NOT REPORTED				
						Bottom Hole Choke Size	1/2"				
						Fluid Cushion Type	Amr.				
						MUD AND HOLE DATA					
						Mud Type	GEL	W.L.	3.2		
						Filter Cake	2/32 Visc. 60	Wt.	10.2		
						Time Taken					
						Contractor	SEDCO DRILG.	Rig No.	77		
						Drill Pipe Size	3 1/2 IF				
District F. S. J. Ticket No. D-00107 Date JANUARY 17/68 Test No. 2 J.T.L. No. 2 Company CENTRAL-DEL RIO OILS LIMITED Address 736 - 8TH AVENUE S.W. Well Name CDR CHEVRON MILLS LAKE C-12 CALGARY, ALBERTA Number #61°-10'-117°-15"W Province N.W.T. Formation GRANIT WASH. DST# 2 Field WILDCAT and Interval 2120-2210 Co. Rep. C. HODGSON Distribution of Reports Technician R. CLINE 8 - CALGARY 1 - DATA CENTER (ENCLOSED)						Main Hole Size	6 1/4"				
						Rat Hole Size					

PRESSURE DATA						FIELD REPORT No. D-80197	
INSTRUMENT NO.		AKI-2085	AKI-2594				
CAPACITY (gals)		4400	4450				
INSTRUMENT DEPTH		2132	2139				
INSTRUMENT OPENING		OUTSIDE	OUTSIDE				
PRESSURE GRADIENT psi/ft							
WELL TEMP °F		99°	99°				
INITIAL HYDROSTATIC	A	1166#	1172#			TIME GIVEN	TIME COMPUTED
FIRST FLOW	B	45#	50#			MINS	MINS
B-1		46#	50#				
INITIAL SHUT-IN	C	1005#	1010#			MINS	MINS
SECOND FLOW	D	50#	55#			MINS	MINS
D-1		50#	64#				
SECOND SHUT-IN	E					MINS	MINS
THIRD FLOW	F					MINS	MINS
FINAL SHUT-IN	G	916#	919#			MINS	MINS
FINAL HYDROSTATIC	H	1158#	1162#			CLOCK TRAVEL	IN/MIN
OFF LOG							

JOHNSTON TESTERS

FLUID SAMPLE REPORT

Date JANUARY 17, 1968 Field Report No. D-00107
 Company CENTRAL-DEL RIO OILS LIMITED
736 - 8TH AVENUE S.W., CALGARY, ALBERTA
 Well CDR CHEVRON MILLS LAKE C-12 Field WILDCAT
#61°-10'-117°-15"W
 District FORT ST. JOHN Province N.W.T.
 Test Interval 2120 To 2210 Test No. 2
 Type of Test OPEN HOLE, BOTTOM HOLE Recovery Description 118' DRILLING FLUID.

Bot. Hole Temp. 99 F.

Recorded Pressures: ISI 1010 psig.
 RECORDER NUMBER SS: _____ psig.
 AKI-2594 MF 64 psig.
 FSI 1162 psig.

SAMPLE UNIT

Sample No. 2 Type MFE Volume 2500 Depth _____ ft.

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

☐ Laboratory Name _____
 Address _____

Sample Pressure _____ 12 psig. at Surface

Recovery:

Cu. Ft. Gas _____
 cc. Oil _____
 cc. Water _____
 cc. Mud 1595
 Total Liquid cc. 1595

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

RESISTIVITY

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

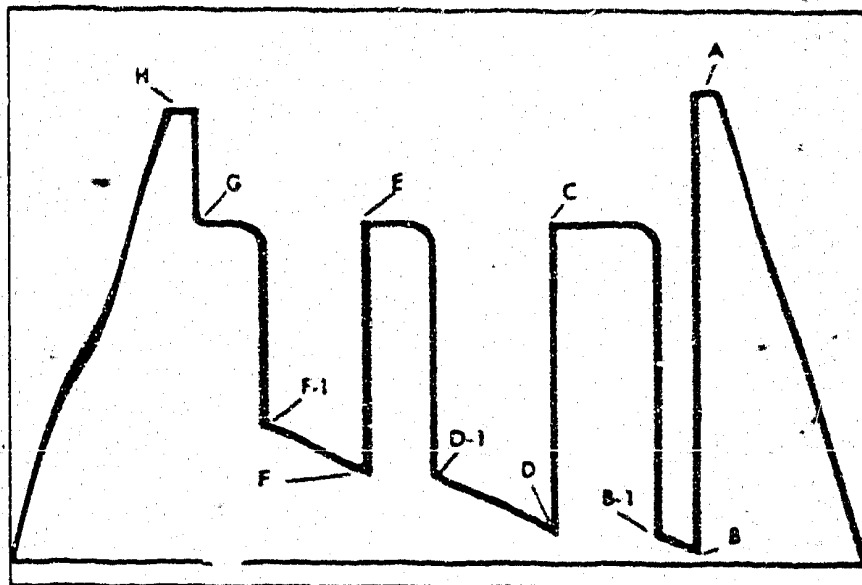
CHLORIDE CONTENT

_____ ppm.
 _____ ppm.

REMARKS

JOHNSTON TESTERS

GUIDE TO IDENTIFICATION OF DRILL STEM TEST PRESSURE CHARTS



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- 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).

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- 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.

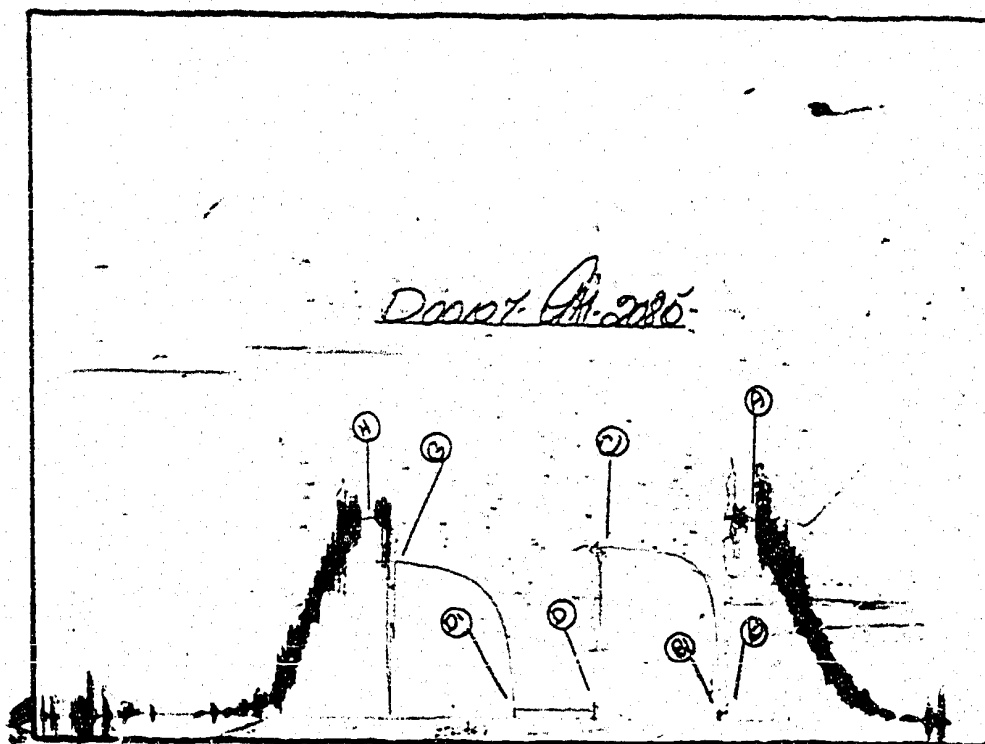
JOHNSTON TESTERS

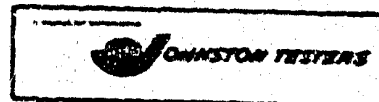
FIELD
REPORT NO.
D-00107

RECORDER NO.
AK1-2085

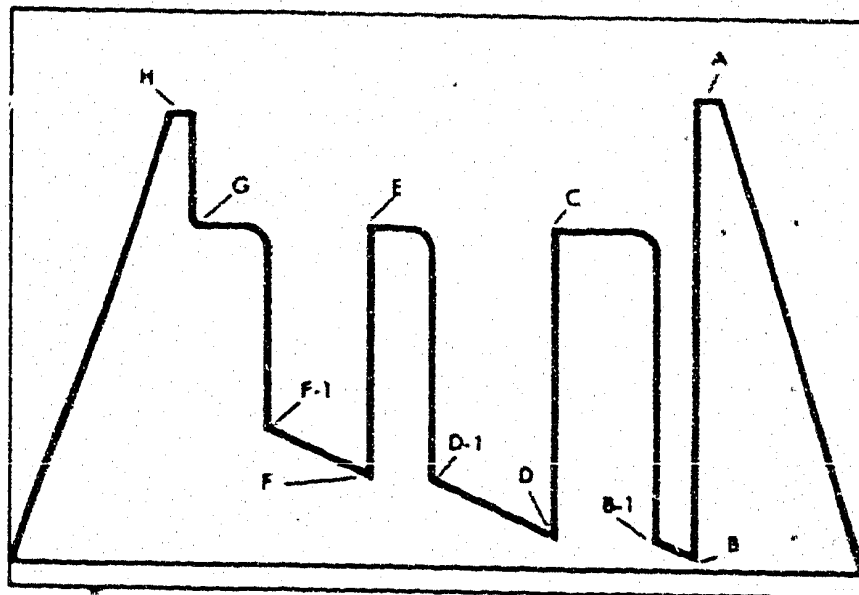
CAPACITY
4400

REPORT
REQUESTED
S





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.

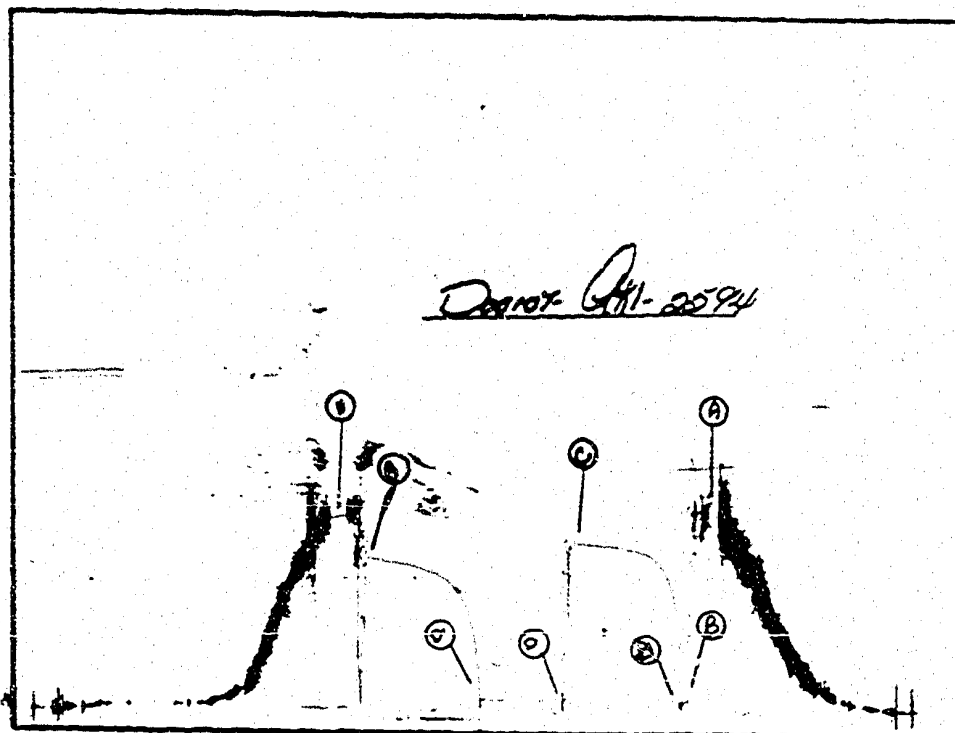


FIELD
REPORT NO.
D-00107

RECORDER NO.
AK1-2594

CAPACITY
4450

REPORTS
REQUESTED
9



SEDCO

DAILY DRILLING REPORT

DAY WORK RECORD

No. 3695

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

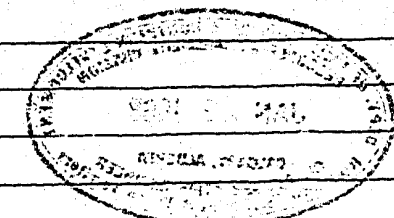
RIG No. 77 LOCATION C.D.R. CHAPMAN AREA C-12 DATE Jan 19/68

Year — Midnight - 8 a.m.		From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS				C.B. Ft.	Subs Ft.	Pt. Up On Kelly
Specify actual hours worked									No.	O. D.	I. D.	Length	Wgt.		
Driller	<u>R. STURM</u>	IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES													
Derrick	<u>HARWOOD</u>	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION			
Floor															
Floor															
Floor	<u>C. O. SPRECHT</u>														
Motor	<u>D. MASICK</u>														
Mechanic															
Extra															
Injuries:															
Fires:															

Year — 8 a.m. to 4 p.m.		From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS				C.B. Ft.	Subs Ft.	Pt. Up On Kelly
Specify actual hours worked									No.	O. D.	I. D.	Length	Wgt.		
Driller		IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES													
Derrick		No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION			
Floor															
Floor															
Floor															
Motor															
Mechanic															
Extra															
Injuries:															
Fires:															

Year — 4 p.m. to Midnight		From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS				C.B. Ft.	Subs Ft.	Pt. Up On Kelly
Specify actual hours worked									No.	O. D.	I. D.	Length	Wgt.		
Driller		IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES													
Derrick		No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION			
Floor															
Floor															
Floor															
Motor															
Mechanic															
Extra															
Injuries:															
Fires:															

REMARKS	Time		
	Start	Stop	Interval
<u>W.D.S.</u>	<u>1200</u>	<u>1300</u>	<u>1 1/2</u>
<u>Run in felt plug @ 1678</u>	<u>1300</u>	<u>2000</u>	<u>1 1/2</u>
<u>pull up for plug #2</u>	<u>2000</u>	<u>2300</u>	<u>1 1/2</u>
<u>Run plug #2</u>	<u>2300</u>	<u>2400</u>	<u>1/4</u>
<u>W.D.S.</u>	<u>2400</u>	<u>800</u>	<u>5 1/4</u>
<u>W.D.C.</u>	<u>800</u>	<u>1000</u>	<u>2</u>
<u>feel plug @ 197'</u>	<u>1000</u>	<u>1045</u>	<u>3/4</u>
<i>Log based 1159 hrs Jan 19/68</i>			



Totco Ring on Bit No. _____ D.P. Calipered Date _____ Results _____ From Pipe Rack _____
 B.O.P. Test-Operated _____ Time _____ Results _____
 FORM E-2

Total Contractor Time _____ Hrs. Toolpusher J. Bender
 Total Company Time _____ Hrs. Approved by [Signature]

THIS COPY TO CONSERVATION BOARD (MAIL TO CALGARY OFFICE)

SEDCO

DAILY DRILLING REPORT

DAY WORK RECORD

No. 3694

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

RIG No. 77 LOCATION Area N.W. DATE Jan 18 1961

Tour — Midnight - 8 a.m.		From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS				C.B. Ft.	Subs Ft.	Ft. Up On Kelly
Specify actual hours worked									No.	O. D.	I. D.	Length	Wgt.		
Drill	<u>R. STURM</u>	IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES													
Derrick	<u>J. HARWOOD</u>	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION			
Floor															
Floor	<u>G. RESPERCHT</u>														
Floor															
Motor	<u>D. MOSICKI</u>														
Mechanic															
Extras															
Injuries															
Fires															

REMARKS	Start	Stop	Interval
LOGGING BY SCHUMACHER	12	2	3
LOG ON SCHUMACHER	2	3	1
RUN IN OPEN END	3	4	1
WALK ON CATHART	4	5	1
RUN IN OPEN END	5	6	1
WAIT ON ORDERS	6	7	1
RUN IN OPEN END	7	8	1

Tour — 8 a.m. to 4 p.m.		From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS				C.B. Ft.	Subs Ft.	Ft. Up On Kelly
Specify actual hours worked									No.	O. D.	I. D.	Length	Wgt.		
Drill	<u>H. CHADWICK</u>	IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES													
Derrick	<u>G. WARD</u>	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION			
Floor															
Floor	<u>T. HILL</u>														
Floor															
Motor	<u>R. ANDERSON</u>														
Mechanic															
Extras															
Injuries															
Fires															

REMARKS	Start	Stop	Interval
WAIT ON ORDERS	8	10	2
CIRCULATE HOLE			

Tour — 4 p.m. to Midnight		From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS				C.B. Ft.	Subs Ft.	Ft. Up On Kelly
Specify actual hours worked									No.	O. D.	I. D.	Length	Wgt.		
Drill	<u>F. HAMES</u>	IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES													
Derrick	<u>R. TOSTHEIM</u>	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION			
Floor															
Floor	<u>R. BALFOUR</u>														
Floor															
Motor	<u>D. TIZZARD</u>														
Mechanic															
Extras															
Injuries															
Fires															

REMARKS	Start	Stop	Interval
CIRCULATE WAIT ON ORDERS	4	5	1
RUN UP TO RUN PLUG #1	5	6	1
RUN PLUG #1	6	7	1
PULL UP W.D.C.	7	8	1

Totco Ring on Bit No. _____ D.P. Calipered Date _____ Results _____ From Pipe Rack _____
 B.O.P. Test-Operated _____ Time _____ Results _____
 FORM E-2

Total Contractor Time _____ Hrs. Toolpusher J. Bandy
 Total Company Time _____ Hrs. Approved by H. H. H.

THIS COPY TO CONSERVATION BOARD (MAIL TO CALGARY OFFICE)

No. 3693

THIS COPY TO CONSERVATION BOARD (MAIL TO CALGARY OFFICE)

SEDCO

DAILY DRILLING REPORT

DAY WORK RECORD

No. 3692

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

RIG No. 77 LOCATION C.D.R. CHEURON WILLS LAKE O-2 AREA N.W. T. DATE JAN 16/62

Team — Midnight - 8 a.m.		From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS				C.B. Ft.	Subs Ft.	Ft. Up On Kelly
Specify actual hours worked		Hrs.	2095	66	2151	642	24.00	61	No.	O. D.	I. D.	Length	Wgt.		
									8	4 3/4	2	219.9	10.00		16
IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES															
Driller	<u>R. STURM</u>	8	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION		
Derrick	<u>J. HARWOOD</u>	8	1	5	6 1/4 H.W.	O.W.V.	92971	20.00	1.0	111	7 1/4		10-2-1		
Floor			2												
Floor	<u>G. GIESBRECHT</u>	8	3												
Floor			4												
Motor	<u>D. MOSICKI</u>	5	5												
Mechanic			6												
Extra			7												
Injuries:			8												
Fires:			9												
MUD		12 Mn.	2 a.m.	4 a.m.	6 a.m.	Additives		At Surveys Degree		MOTOR HOURS		Next Oil Change	FUEL		
WEIGHT		9.6	9.9	10.0	10.0	C.M.C 50 lbs				1		340		Gals.	
VISCOSITY		62	58	100	100	V.C. 10 100 lbs				2		340		WATER	
GEL						CAUSTIC 50 lbs				3		340		Bbls.	
Pump Pressure	Model	500	500	600	500					4		340		COAL	
Pump S.P.M.	Model	62	62	60	62					5		340		Tons	
Pump Liner Size	Model	5 1/2	4 1/2												
W.L. 5.4		F.C. 1/32		pH. 10.5											

REMARKS	Time		
	Start	Stop	Interval
Rig SERVICE & B.O.P.	12:00	12:32	1/4
DRILL 6 1/4" HOLE	12:32	6:45	6 1/2
CIRC SAMPLE	6:45	7:15	1/2
CIRC & WAIT ON ORDERS	7:15	7:35	1/4
HOIST	7:35	8:00	1/2
Company Time			
Cont'r Time			

Team — 8 a.m. to 4 p.m.		From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS				C.B. Ft.	Subs Ft.	Ft. Up On Kelly
Specify actual hours worked		Hrs.	2151	44	2200	2 1/2	34.00	16	No.	O. D.	I. D.	Length	Wgt.		
									8	4	2	219.9	10.00		27
IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES															
Driller	<u>H. CHADWICK</u>	1	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION		
Derrick	<u>B. WARD</u>	1	1	6	6 1/4 H.W.	O.W.V.	72927	20.00	1.0	111	7 1/4		10-2-1		
Floor			2												
Floor	<u>T. HILL</u>	1	3												
Floor			4												
Motor	<u>R. ANDERSON</u>	6	5												
Mechanic			6												
Extra			7												
Injuries:			8												
Fires:			9												
MUD		8 a.m.	10 a.m.	12 noon	2 p.m.	Additives		At Surveys Degree		MOTOR HOURS		Next Oil Change	FUEL		
WEIGHT		7.0		10.0	10.0					1		340		Gals.	
VISCOSITY		62		62	62					2				WATER	
GEL										3				Bbls.	
Pump Pressure	Model	500		500	600					4				COAL	
Pump S.P.M.	Model	62		62	62					5				Tons	
Pump Liner Size	Model	5 1/2		4 1/2											
W.L. 3		F.C. 2/32		pH. 10.5											

REMARKS	Time		
	Start	Stop	Interval
HOIST	8:00	8:30	1/2
Rig SERVICE & B.O.P.	8:30	8:45	1/4
DRILL 6 1/4" HOLE	8:45	12:30	3 3/4
WORK ON AIR LINES	12:30	1:30	1
Company Time			
Cont'r Time			

Team — 4 p.m. to Midnight		From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS				C.B. Ft.	Subs Ft.	Ft. Up On Kelly
Specify actual hours worked		Hrs.	2200	10	2210	1 1/4	34.00	66	No.	O. D.	I. D.	Length	Wgt.		
									8	4 3/4	2	219.9	10.00		17
IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES															
Driller	<u>F. HAMMES</u>	8	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION		
Derrick	<u>R. TEOSTHEIM</u>	8	1	6 1/2	6 1/2 H.W.	O.W.V.	73977	20.00	1.0	90	5 1/2		8-4-0		
Floor			2												
Floor	<u>R. BALEW</u>	8	3												
Floor			4												
Motor	<u>D. TIZZARD</u>	8	5												
Mechanic			6												
Extra			7												
Injuries:			8												
Fires:			9												
MUD		4 p.m.	6 p.m.	8 p.m.	10 p.m.	Additives		At Surveys Degree		MOTOR HOURS		Next Oil Change	FUEL		
WEIGHT		10.2	10.3							1		356		Gals.	
VISCOSITY		55	55							2				WATER	
GEL										3				Bbls.	
Pump Pressure	Model	600	600							4				COAL	
Pump S.P.M.	Model	60	60							5				Tons	
Pump Liner Size	Model	5 1/2	5 1/2												
W.L. 2 1/2		F.C. 1/32		pH. 10.5											

REMARKS	Time		
	Start	Stop	Interval
Rig SER ✓ B.O.P.S	4:00	4:15	1/4
DRILL	4:15	7:00	2 3/4
CIRC SAMPLE D: 210 +	7:00		
CIRCALATEL LATE	7:45		3/4
HOIST TO TEST	7:45		
STRAP OUT	10:15		2 1/2
MAKE UP TEST TOOL	10:15	12:00	1 3/4
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 _____
 FORM C-2

Total Contractor Time _____ Hrs. Toolpusher J. T. Tingle
 Total Company Time _____ Hrs. Approved by R. A. Tingle

THIS COPY TO CONSERVATION BOARD (MAIL TO CALGARY OFFICE)

SEDCO

DAILY DRILLING REPORT

DAY WORK RECORD

No. 3691

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

RIG No. 77 LOCATION C.D.R. CHEVRON MINE AREA IV DATE JAN 15 1963

Tour — Midnight - 8 a.m.		From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS				C.B. Ft.	Subs. Ft.	Pt. Up On Kelly	
Specify actual hours worked		Hrs.	2030	10	2040	1/2	33	60	No.	O. D.	I. D.	Length	Wgt.			
Driller <u>R. STORM</u>		8	IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES													
Derrick <u>J. HARWOOD</u>		8	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION			
Floor			4	6 1/4	H.W. OSC-160	7845	20,000	125	92	54			3-2-1			
Floor <u>G. BRECHT</u>		8														
Floor			MUD										At Surveys Degree	MOTOR HOURS	Next Oil Change	FUEL
Motor <u>D. KOSICKI</u>		8	WEIGHT		10.3	10.3	9.6	CAUSTIC 100				1	316		Gals.	
Mechanic			VISCOSITY		100	100	58	V.O. 10 100				2	316		WATER	
Extra			GEL					WATER				3	316		Bbls.	
Injuries:			Pump Pressure	Model	500	800	500					4	316		COAL	
Fires:			Pump S.P.M.	Model								5	316		Tons	
			Pump Liner Size	Model												
			W.L. 7.8		F.C. 7.62	pH. 10.0										

REMARKS	Time		
	Start	Stop	Interval
DRILL 6 1/4" HOLE	12:00	12:00	1/2
CIRC SAMPLE	12:00	12:00	1/4
RIG SERVICE - 20 P.	12:00	1:00	1/4
WAIT ON ORDERS	1:00	1:45	3/4
CIRC & CONDITION MUD	1:45	3:00	1 1/4
HOIST & STRAP OUT	3:00	3:00	2
MAKE UP PACKER	5:00	7:00	1 1/2
RUN IN SLOW	7:00	8:00	1
Company Time			
Cont'r Time			

Tour — 8 a.m. to 4 p.m.		From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS				C.B. Ft.	Subs. Ft.	Pt. Up On Kelly	
Specify actual hours worked		Hrs.	2040						No.	O. D.	I. D.	Length	Wgt.			
Driller <u>H. CHADWICK</u>		4	IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES													
Derrick <u>B. SPARD</u>		4	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION			
Floor																
Floor <u>T. HILL</u>		4														
Floor			MUD										At Surveys Degree	MOTOR HOURS	Next Oil Change	FUEL
Motor <u>R. ANDERSON</u>		4	WEIGHT									1	324		Gals.	
Mechanic			VISCOSITY									2			WATER	
Extra			GEL									3			Bbls.	
Injuries:			Pump Pressure	Model								4			COAL	
Fires:			Pump S.P.M.	Model								5			Tons	
			Pump Liner Size	Model												
			W.L.		F.C.	pH.										

REMARKS	Time		
	Start	Stop	Interval
RUN IN SLOW	8:00	9:45	1 1/2
RIG TO TEST	9:45	11:15	1 1/2
HOIST TEST #1			
TESTING	9:15	13:00	3 1/2
HOIST TEST #2 230 F.W.D.	13:00	14:20	1 1/2
Company Time			
Cont'r Time			

Tour — 4 p.m. to Midnight		From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS				C.B. Ft.	Subs. Ft.	Pt. Up On Kelly	
Specify actual hours worked		Hrs.	2040	45	1030	3 1/2			No.	O. D.	I. D.	Length	Wgt.			
Driller <u>F. HAMES</u>		8	IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES													
Derrick <u>B. TOSTHEIM</u>		8	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION			
Floor			3	6 1/4	H.W. OWU	9247	20,000	125	90	34			Run			
Floor <u>R. BAL FOUR</u>																
Floor			MUD										At Surveys Degree	MOTOR HOURS	Next Oil Change	FUEL
Motor <u>D. TIZZARD</u>			WEIGHT					C.M.C. 150				1	324		Gals.	
Mechanic			VISCOSITY					CAUSTIC 100				2			WATER	
Extra			GEL					IMCO V.O. 10-200				3			Bbls.	
Injuries:			Pump Pressure	Model								4			COAL	
Fires:			Pump S.P.M.	Model								5			Tons	
			Pump Liner Size	Model												
			W.L. 5		F.C. 5	pH. 11										

REMARKS	Time		
	Start	Stop	Interval
HOIST TEST	4:00	4:15	1/4
BREAK DOWN - LAY DOWN	4:15	5:40	1 1/2
TEST - 1000			
RIG SER & J.B.O.P.S	5:45	6:00	1/4
RUN IN W/B.T	6:00	7:30	1 1/2
THRU KELLY FROM SOCK	7:30	8:00	1/2
DRILL 6 1/4" HOLE	8:00	8:30	1/2
M.V. IMCO V.O. 10 TO CONTROL VIB	8:30	9:15	3/4
DRILL	9:15	11:00	1 3/4
Company Time			
Cont'r Time			

Total 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: B. Anderson

THIS COPY TO CONSERVATION BOARD (MAIL TO CALGARY OFFICE)

SEDCO

DAILY DRILLING REPORT

DAY WORK RECORD

No. 3749

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

RIG No. 77 LOCATION C.D.R. CHURON LAKE O-22 AREA N.W.T. DATE Nov 14/61

Tour — Midnight - 8 a.m.		From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS				C.B. Ft.	Subs Ft.	Ft. Up On Kelly		
Specify actual hours worked		Hrs.	104	62	1870	4	30	57	No.	O. D.	I. D.	Length	Wgt.				
Driller R STURM		8	IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES														
Derrick W HARWOOD		8	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION				
Floor			3	6 1/4	H.W. O.S.C.	78342	15	100	62	4			Run				
Floor C BIESBRECHT		8	MUD 12 Mn. 2 a.m. 4 a.m. 6 a.m. Additives														
Floor			WEIGHT 9.7 9.5 GEL 900														
Motor D MOSICKI		8	VISCOSITY 33 34														
Mechanic			GEL														
Extra			Pump Pressure	Model	400	715											
Injuries:			Pump S.P.M.	Model	60	60	74	6									
Fires:			Pump Liner Size	Model	1 1/2	1 1/2	General PIPE STRAP 1815 94										
					PIPE TALLY 1915 95												
					DIP 1.01												
			W.L. 9.1 F.C. 3/2 pH. 9.5														

REMARKS	Start	Time	Interval
FINISH OUT	12:00	1:00	1
Big SERVICE - B.O.P.	1:00	1:15	1/4
Run in SLOW	1:15	2:30	1 1/4
WORK ON AIR LINES	2:30	3:00	1/2
Run in SLOW	3:00	3:45	3/4
UNTHAW SPOIL	3:45	4:00	1/4
DRILL CH HOLE	4:00	4:10	1
Company Time			
Cont'r Time			

Tour — 3 a.m. to 4 p.m.		From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS				C.B. Ft.	Subs Ft.	Ft. Up On Kelly	
Specify actual hours worked		Hrs.	1440	178	1948	6	30	167	No.	O. D.	I. D.	Length	Wgt.			
Driller H LADWICK		8	IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES													
Derrick B REED		8	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION			
Floor			3	6 1/4	H.W. O.S.C.	78342	220	100	120	10			3-4-1			
Floor T HILL		10	MUD 8 a.m. 10 a.m. 12 noon 2 p.m. Additives													
Floor			WEIGHT 9.8 10.1 10.1 10.2													
Motor R ANDERSON		8	VISCOSITY 40 90 10 65													
Mechanic			GEL													
Extra			Pump Pressure	Model												
Injuries:			Pump S.P.M.	Model			Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or	Cut	Feet Left on Spool	
Fires:			Pump Liner Size	Model			General									
			W.L. 38 F.C. 2/32 pH. 8.2													

REMARKS	Start	Time	Interval
Big SERVICE - B.O.P.	7:00	7:15	1/4
DRILL	7:15	10:45	2 3/4
WORK ON PUMP	10:45	11:15	1/2
DRILL	11:15	2:45	3 1/2
CIRC. SAMPLE	2:45	3:00	1/4
HOIST FOR BIT	3:00	4:00	1 1/2
Company Time			
Cont'r Time			

Tour — 4 p.m. to Midnight		From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS				C.B. Ft.	Subs Ft.	Ft. Up On Kelly	
Specify actual hours worked		Hrs.	1048	92	3222	54	33	60	No.	O. D.	I. D.	Length	Wgt.			
Driller F HAMES		8	IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES													
Derrick R TROSTMAN		8	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION			
Floor J DALFOUR		8	4	6 1/4	H.W. O.S.C.	78457	2000	120	82	52			Run			
Floor			MUD 4 p.m. 6 p.m. 8 p.m. 10 p.m. Additives													
Floor			WEIGHT 10 10.1													
Motor P TIZZARD		8	VISCOSITY 60 57													
Mechanic			GEL													
Extra			Pump Pressure	Model	600	600										
Injuries:			Pump S.P.M.	Model			Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or	Cut	Feet Left on Spool	
Fires:			Pump Liner Size	Model			General									
			W.L. 7 F.C. 1/2 pH. 8.5													

REMARKS	Start	Time	Interval
HOIST FOR BIT	4:00	5:00	1
Run in SLOW	5:00	5:15	1/4
Run in W/ BIT	5:15	6:30	1 1/4
DRILL CH HOLE	6:30	7:15	3/4
SET UP BRAKES	7:15	7:30	1/4
DRILL CH HOLE	7:30	11:00	4 1/2
Company Time			
Cont'r Time			

Totco Ring on Bit No. _____ D.P. Calipered Date _____ Results _____ From Pipe Rack _____ Total Contractor Time _____ Hrs. Toolpusher _____
 B.O.P. Test-Operated _____ Time _____ Results _____ 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. 3748

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

RIG No. 77 LOCATION C.D.R. CHEVRON MILLS LAKE 0-22 AREA H.W.T. DATE JAN 12/68

Tour — Midnight - 3 a.m.		From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS				C.B. Ft.	Subs. Ft.	Pt. Up On Kelly	
Specify actual hours worked									No.	O.D.	I.D.	Length	Wgt.			
Driller	F. HAMES	1298	742	1440	4 1/2	40			8	4 1/2	2 1/4	11 1/2				
Derrick	R. TOSTHOM	IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES														
Floor		No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Pt. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION				
Floor		1	1 1/2	OSC-16	91673	15	150	142	1/2			7/8				
Floor		MUD 12 Mn. 2 a.m. 4 a.m. 6 a.m. Additives														
Floor	R. BALFOUR	WEIGHT 85 85														
Motor	O. TOSTHOM	VISCOSITY 28 28														
Mechanic		GEL 300 300														
Extra		Pump Pressure Model														
Injuries:		Pump S.P.M. Model														
Fires:		Pump Liner Size Model														
		W.L.	F.C.	PH.	General											
		1301 4 1/2 24 to period Jan 12														
		4.89 NO CHANGE														

REMARKS		Start	Stop	Interval
F. HAMES - 11 1/2' 100' 10'		12:30	12:45	1/4
R. TOSTHOM - 12:45 2:45 2		12:45	2:45	2
Work on Pump - Mud Lines		2:45	3:00	1/4
Drill 6" Hole		3:00	3:30	1/2
Work on Pump		3:30	4:00	1/2
Drill 6" Hole		4:00	6:30	2 1/2
Work on H.N.		6:30	6:45	1/4
Drill 6" Hole		6:45	8:00	1 1/4
Water truck bucket 17 loads of water 17 hrs				
Mud tank looking change on time to bedrock				
Company Time				
Cont'r Time				

Tour — 8 a.m. to 4 p.m.		From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS				C.B. Ft.	Subs. Ft.	Pt. Up On Kelly	
Specify actual hours worked									No.	O.D.	I.D.	Length	Wgt.			
Driller	R. STORM	1440	175	1685	3 3/4	28			8	4 1/2	2 1/4	11 1/2				
Derrick	J. HARWOOD	IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES														
Floor		No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Pt. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION				
Floor		1	2	6 1/4 HW OSC-15	91673	15	160	312	1/2			RUN				
Floor		MUD 8 a.m. 10 a.m. 12 noon 2 p.m. Additives														
Floor	G. GILBRECHT	WEIGHT 47 8.8 GEL 1400 110														
Motor	D. MOSICKI	VISCOSITY 40 40 V.C. 10 100 lbs														
Mechanic		GEL CAUSTIC 72 lbs														
Extra		Pump Pressure Model														
Injuries:		Pump S.P.M. Model														
Fires:		Pump Liner Size Model														
		W.L.	F.C.	PH.	General											
		60 60 4														

REMARKS		Start	Stop	Interval
CIRC. SAMPLE		9:00	9:15	1/4
Pig SERVICE - B.O.P.		9:15	9:30	1/4
MUD UP		9:30	12:00	3 3/4
Drill 6 1/4" Hole		12:00	4:00	3 1/4
Mud up was ordered for 1300 ft				
this order was not changed out				
blower time for mud up will				
be charged to Sedco				
Company Time				
Cont'r Time				

Tour — 4 p.m. to Midnight		From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS				C.B. Ft.	Subs. Ft.	Pt. Up On Kelly	
Specify actual hours worked									No.	O.D.	I.D.	Length	Wgt.			
Driller	H. CHADWICK	1115	183	1208	1	28			8	4 1/2	2 1/4	11 1/2				
Derrick	G. WARD	IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES														
Floor		No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Pt. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION				
Floor		1	2	1 1/4 HW OSC-16	91673	15	160	303	1/4			HOISTING				
Floor		MUD 4 p.m. 6 p.m. 8 p.m. 10 p.m. Additives														
Floor	J. HILL	WEIGHT 90 6.4 95 25" Caustic 1700 1 1/4														
Motor	R. ANDERSON	VISCOSITY 40 39 33														
Mechanic		GEL 600 600														
Extra		Pump Pressure Model														
Injuries:		Pump S.P.M. Model														
Fires:		Pump Liner Size Model														
		W.L.	F.C.	PH.	General											
		6 6 4														

REMARKS		Start	Stop	Interval
DRILL		4:00	4:15	1/4
Rig SERVICE - B.O.P.		4:15	4:30	1/4
DRILL		4:30	9:15	4 3/4
SURVEY 1770' 1 1/4		9:15	9:45	1/4
DRILL		9:45	10:45	1
HOIST REAR PIT		10:45	12:00	1 1/4
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

FORM E-2 THIS COPY TO CONSERVATION BOARD (MAIL TO CALGARY OFFICE)

Total Contractor Time Hrs. Toolpusher

Total Company Time Hrs. Approved by

SEDCO

DAILY DRILLING REPORT

DAY WORK RECORD

No. 3747

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

RIG No.	LOCATION	AREA	DATE
1	OR P. 1000 M. 115 L. 115 2-22	W. 12	JAN 12/60
Tour — Midnight - 8 a.m.			
Specify actual hours worked Hrs. 4:12 6:16 10:34 7:4 15:22 36			
Driller	F. HAMES		
Derrick	R. TROSTHEIM		
Floor			
Floor	R. BANCROFT		
Floor			
Motor	D. T. 2-22		
Mechanic			
Extra			
Injuries			
Fires			
IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES			
MUD 12 Mn. 2 a.m. 4 a.m. 6 a.m. Additives 1			
WEIGHT 8.5 6.5			
VISCOSITY 13 10			
GEL 150 150			
Pump Pres. Model 2-22			
Pump S.P.M. Model 150 150			
Pump Liner Size Model 5 5 3 3			
W.L. F.C. pH.			
Tour — 8 a.m. to 4 p.m.			
Specify actual hours worked Hrs. 10:34 12:49 4:14 12:00 33			
Driller	R. STURM		
Derrick	J. HARWOOD		
Floor			
Floor	R. BANCROFT		
Floor			
Motor	D. T. 2-22		
Mechanic			
Extra			
Injuries			
Fires			
IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES			
MUD 8 a.m. 10 a.m. 12 noon 2 p.m. Additives 1			
WEIGHT 9.5 9.6 7.7 7.1			
VISCOSITY 29 29 29 29			
GEL 250 250 250 250			
Pump Pres. Model 2-22 2-22 2-22 2-22			
Pump S.P.M. Model 60 60 60 60			
Pump Liner Size Model 5 5 5 5			
W.L. F.C. pH.			
Tour — 4 p.m. to Midnight			
Specify actual hours worked Hrs. 12:48 12:48 12:48 12:48 33			
Driller	H. CHADWICK		
Derrick	B. GARDNER		
Floor			
Floor	T. HILL		
Floor			
Motor	R. GARDNER		
Mechanic			
Extra			
Injuries			
Fires			
IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES			
MUD 4 p.m. 6 p.m. 8 p.m. 10 p.m. Additives 1			
WEIGHT 2.6 2.6 2.6 2.6			
VISCOSITY 10 10 10 10			
GEL 150 150 150 150			
Pump Pres. Model 2-22 2-22 2-22 2-22			
Pump S.P.M. Model 60 60 60 60			
Pump Liner Size Model 5 5 5 5			
W.L. F.C. pH.			

REMARKS	Time		
	Start	Stop	Interval
DRILL	12:00	12:15	15
SURVEY	1:15	1:30	15
DRILL	1:30	6:45	5:15
SURVEY	6:45	7:00	15
DRILL	7:20	8:00	40
Company Time			
Cont'r Time			
DRILL SERVICE ✓ C.O. 125	9:00	9:30	30
DRILL 6 1/4" HOLE	9:30	11:00	1:30
WORK ON HOLE LUGS	11:00	12:00	1:00
DRILL 6 1/4" HOLE	12:00	1:00	1:00
DROP SURVEY	1:00	1:30	30
HOIST & STRAP OUT	1:30	3:00	1:30
DUMP & CLEAN TANKS	3:00	4:00	1:00
Company Time			
Cont'r Time			
CLEAN TANKS	4:00	5:00	1:00
ROAM IN	5:00	7:30	2:30
WORK ON KELLY	7:30	8:00	30
WORK PLUGGED BIT	8:00	9:00	1:00
HOIST PLUGGED BIT COLLARS	9:00	12:00	3:00
PLUGGED UP			
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 _____
FORM E-2

THIS COPY TO CONSERVATION BOARD (MAIL TO CALGARY OFFICE)

Total Contractor Time _____ Hrs. Toolpusher _____
Total Company Time _____ Hrs. Approved by _____

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

RIG No. 77 LOCATION C.D.R. CHURCH MILLS LANE D. AREA H. W. T. DATE JAN 14/62

Tour — Midnight - 8 a.m.		From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS				C.B. Ft.	Subs Ft.	Pt. Up On Kelly
Specify actual hours worked	Hrs.	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION			
Driller <u>F. HAMES</u>	8	1	6 3/4	H.W. OSC-3J	87327										
Derrick <u>R. TOSTHAIN</u>	8														
Floor															
Floor															
Floor <u>R. BALFORD</u>	8														
Motor <u>D. TIZZARD</u>	8														
Mechanic															
Extra															
Injuries:															
Fires:															
Tour — 8 a.m. to 4 p.m.		From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS				C.B. Ft.	Subs Ft.	Pt. Up On Kelly
Specify actual hours worked	Hrs.	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION			
Driller <u>R. STURM</u>	8	1	6 3/4	H.W. OSC-3J	87327										
Derrick <u>U. HARWOOD</u>	8														
Floor															
Floor <u>G. GIESBRECHT</u>	8														
Floor															
Motor <u>D. MOSICKI</u>	8														
Mechanic															
Extra															
Injuries:															
Fires:															
Tour — 4 p.m. to Midnight		From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS				C.B. Ft.	Subs Ft.	Pt. Up On Kelly
Specify actual hours worked	Hrs.	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION			
Driller <u>H. Chadwick</u>	4	1	6 3/4	H.W. OSC-3J	87327	10	190	163	2 3/4			Run			
Derrick <u>B. Ward</u>	4														
Floor															
Floor <u>S. Hill</u>	4														
Floor															
Motor <u>R. Anderson</u>	4														
Mechanic															
Extra															
Injuries:															
Fires:															

REMARKS	Start	Time	Interval
HEAD UP	12:00	1:00	1
PRESSURE TEST BLIND RAMS LEAKS	1:00		
WORK ON MUD LINES & HOLE FILLING LINE			
WORK ON WELDER			
		8:00	7
COMPANY TIME			
CONTR' TIME			
RIG SERVICE	8:00	9:00	1/4
WORK ON WELDER	8:15	9:00	3/4
WELD ON MUD LINES &	9:00		
CASING 200' FLANGE	2:00	2:30	1/2
PRESSURED BLIND RAMS 100'	2:30	4:00	1 1/2
Run in	4:00	5:00	1
PRESSURE PIPE RAMS 100'	5:00	6:00	1
HYDRIL TO 600' ALL HELD	6:00	1:00	1
COMPANY TIME			
CONTR' TIME			
WORK ON FLOW NIPPLE	6:00	7:30	1 1/2
DRILL OUT	7:30	7:30	1
DRILL 1 1/4 HOLE	8:30	10:00	1 1/2
SURVEY 3472' WORK ON PUMP 10'	10:00	10:45	3/4
DRILL 1 1/4 HOLE	10:45	12:00	1 1/4
COMPANY TIME			
CONTR' TIME			

Totco Ring on Bit No. _____ D.P. Calipered Date _____ Results _____ From Pipe Rack _____
 B.O.P. Test-Operated _____ Time _____ Results _____
 FORM E-2

Total Contractor Time _____ Hrs. Toolpusher _____
 Total Company Time _____ Hrs. Approved by _____

DAILY DRILLING REPORT

DAY WORK RECORD

No. 3745

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

RIG No. 77 LOCATION CDR CHEVRON MUD LAKE AREA #1 WT DATE JAN 10/68

Tour — Midnight - 8 a.m.		From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS					C.B. Ft.	Subs Ft.	Pt. Up On Kelly				
Specify actual hours worked		Hrs.																		
		Hrs.	IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES																	
		Hrs.	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION							
Driller	F. HAMES	8																		
Derrick	R. TIOSTHEIM	8																		
Floor																				
Floor																				
Floor	R. BALFORD	20	MUD						12 Mn. 2 a.m.		4 a.m.	6 a.m.	Additives	At Surveys Degree		MOTOR HOURS	Next Oil Change	FUEL		
Floor			WEIGHT											1		196		Gals.		
Motor	O. TIZZARD	20	VISCOSITY											2		196		WATER		
Motor			GEL											3		196		Bbls.		
Mechanic			Pump Pressure	Model											4		196		COAL	
Extra			Pump S.P.M.	Model											5		196		Tons	
Injuries:			Pump Size	Model											Slip		Feet or	Cut	Feet Left on Spool	Next Slip
Fires:			General																	

Test — 8 a.m. to 4 p.m.		W.L.	F.C.	pH.												
Specify actual hours worked		From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS					C.B. Ft.	Subs. Ft.	Ft. Sp. On Kelly
		No.	O. D.	I. D.	Length	Wgt.										
Drill	STURM	8	IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES													
Derrick	HARWOOD	8	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION			
Floor																
Floor	GILBRECHT	8														
Floor			MUD	8 a.m.	10 a.m.	12 noon	2 p.m.	Additives	At Surveys		Degree	MOTOR HOURS		Next Oil Change	FUEL	
Floor			WEIGHT									1	204		Gas	
Motor	MOSICKI	8	VISCOSITY									2	204		WATER	
Mechan.			GEL									3	204		Blin	
Extra			Pump Pressure	Model								4	204		COAL	
Injuries:			Pump S.P.M.	Model								5	204		Ton	
Fires:			Pump Liner Size	Model												
					Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet on	Cut	Feet Left on Spool	Next Slip		
					General											

Tour — 4 p.m. to Midnight		W.L.	F.C.	pH.															
Specify actual hours worked	Hrs.	From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS					C.B. Ft.	Subs Ft.	Ft. Up Or Kelly			
		No.	O.D.	I. D.	Length	Wgt.													
IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES																			
Driller <i>H. C. HEDRICK</i>	8	B	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION						
Derrick <i>B. WARD</i>	8	I																	
Floor		T																	
Floor <i>T. HILL</i>	8	S																	
Floor		MUD		4 p.m.	6 p.m.	8 p.m.	10 p.m.	Additives	At Surveys Degree		MOTOR HOURS		Next Oil Change	FUEL					
Floor		WEIGHT										1	2 12		Gals				
Motor <i>R. ANDERSON</i>	8	VISCOSITY										2	2 12		WATER				
Mechanic		GEL										3	2 12		Sbbls				
Extra		Pump Pressure	Model									4	2 12		CCAL				
Injuries:		Pump S.P.M.	Model									5	2 12		Tons				
Fires:		Pump Liner Size	Model							Size	TRIPS	No. Lin.	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
		12:00		
	W.O.C - CIRC CGS WITH HOT WATER			
	Company Time Cont'r Time			
	WOT ON CEMENT & CIRCULAR:	8 ⁵⁵		
	WITH HOT WATER	9 ⁵⁵	1	
	GLACK APP & HEAD UP	9 ⁵⁵	1 ⁵⁵	7
				6
	Company Time Cont'r Time			
	HEAD UP	4 ⁴⁰	12:00	8
	Company Time Cont'r Time			

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

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

FORM E-2

Total Contractor Time _____ Hrs. Toolpusher _____

Total Company Time _____ Hrs. Approved _____

THIS COPY TO CONSERVATION BOARD (MAIL TO CALGARY OFFICE)

SEDCO

DAILY DRILLING REPORT

DAY WORK RECORD

No. 3744

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

RIG No. 77 LOCATION COR. 3000' Lake 022 AREA N.W. 1 DATE JAN 9/62

Tour — Midnight - 8 a.m. Specify actual hours worked Hrs. 2 10

Driller F. HANSEN 2
Derrick R. TOSKING 3
Floor
Floor
Floor R. B. FORD 8
Motor D. T. 2 8
Mechanic
Extra
Injuries:
Fires:

From 9:10 To 11:50 Footage 250 Wt. Drill Pipe (1000 lbs.) 9000 Stands 130 Singles 102 DRILL COLLARS No. 2 O. D. 2 1/2 I. D. 2 1/8 Length 5 Wgt. 3 C.B. Ft. 7 Subs Ft. 7 Ft. Up On Kelly 7

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

No. 1 Size 3/4 Type & Jet Size 1/2 W. OSC 3 Serial No. WC 360 8000 Weight 130 R.P.M. 102 Ft. Drilled 7 Hrs. 2 10 Feet Reamed 7 Hrs. 2 10 CONDITION 2 2 1

MUD 12 Mm. 2 a.m. 4 a.m. 6 a.m. Additives At Surveys Degree MOTOR HOURS Next Oil Change FUEL

WEIGHT 8.5 8.5 230 2' 180 Gals.
VISCOSITY 33 34 250 30 2 WATER
GEL 250 250 3 Bbls.
Pump Pressure Model 250 250 4 COAL
Pump S.P.M. Model 108 108 5 Tons
Pump Liner Size Model 2 1/2 2 1/2 1

W.L. F.C. pH.

Tour — 8 a.m. to 4 p.m. Specify actual hours worked Hrs. 20 2

Driller R. STURM 8
Derrick J. HARWOOD 8
Floor
Floor O. GIESBRECHT 10
Floor
Motor D. Macicki 10
Mechanic
Extra
Injuries:
Fires:

From 8:00 To 10:00 Footage 20 Wt. Drill Pipe (1000 lbs.) 9000 Stands 130 Singles 102 DRILL COLLARS No. 2 O. D. 2 1/2 I. D. 2 1/8 Length 5 Wgt. 3 C.B. Ft. 7 Subs Ft. 7 Ft. Up On Kelly 7

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

No. 1 Size 3/4 Type & Jet Size 1/2 W. OSC 3 Serial No. WC 360 8000 Weight 130 R.P.M. 102 Ft. Drilled 7 Hrs. 20 2 Feet Reamed 7 Hrs. 20 2 CONDITION 2 2 1

MUD 8 a.m. 10 a.m. 12 noon 2 p.m. Additives At Surveys Degree MOTOR HOURS Next Oil Change FUEL

WEIGHT 8.6 8.6 230 2' 180 Gals.
VISCOSITY 35 40 250 30 2 WATER
GEL 250 250 3 Bbls.
Pump Pressure Model 250 250 4 COAL
Pump S.P.M. Model 108 108 5 Tons
Pump Liner Size Model 2 1/2 2 1/2 1

W.L. F.C. pH.

Tour — 4 p.m. to Midnight Specify actual hours worked Hrs. 10 1

Driller H. SHADWICK 1
Derrick C. SHARR 1
Floor J. HILL 1
Floor
Floor
Motor G. ANDERSON 1
Mechanic
Extra
Injuries:
Fires:

From 5:00 To 6:00 Footage 10 Wt. Drill Pipe (1000 lbs.) 9000 Stands 130 Singles 102 DRILL COLLARS No. 2 O. D. 2 1/2 I. D. 2 1/8 Length 5 Wgt. 3 C.B. Ft. 7 Subs Ft. 7 Ft. Up On Kelly 7

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

No. 1 Size 3/4 Type & Jet Size 1/2 W. OSC 3 Serial No. WC 360 8000 Weight 130 R.P.M. 102 Ft. Drilled 7 Hrs. 10 1 Feet Reamed 7 Hrs. 10 1 CONDITION 2 2 1

MUD 4 p.m. 6 p.m. 8 p.m. 10 p.m. Additives At Surveys Degree MOTOR HOURS Next Oil Change FUEL

WEIGHT 8.6 8.6 230 2' 180 Gals.
VISCOSITY 35 40 250 30 2 WATER
GEL 250 250 3 Bbls.
Pump Pressure Model 250 250 4 COAL
Pump S.P.M. Model 108 108 5 Tons
Pump Liner Size Model 2 1/2 2 1/2 1

W.L. F.C. pH.

REMARKS	Time		
	Start	Stop	Interval
DRILL 9 1/2' HOLE	12:00	12:30	1/2
SERVICE 30'	12:30	12:45	1/4
DRILL	12:45	1:30	3/4
SURVEY 7 230	1:30	1:45	1/4
DRILL	1:45	2:15	1/2
WORK on Pump	2:15	2:45	1/2
DRILL	2:45	3:45	1
Dummy Trip DROP SURVEY	3:45		
STANDARD	5:15	5:30	1/2
CIRC - WAIT on ORDER	5:30	5:45	1/4
DRILL	5:45	6:15	1/2
Circ to Run Hole	6:15	7:00	3/4
Hoist to Run CASING	7:00	7:15	1/4
Pick up Casing - WELD ON SIDE	7:15	8:00	3/4
Run CASING	8:00	10:00	2
Rig Signal	10:00	10:10	1/4
LAY Down CASING	10:10	10:20	1/2
Run in & REAM THRU to 230'	10:20	12:20	1 3/4
CIRC & CANDIDAL MUD	12:20	2:30	2
Hoist to RUN CASING	2:30	3:00	1/2
Rig to RUN CASING	3:00	3:30	1/4
Run 4 joints casing	3:30	4:00	3/4
Company Time			
Cont'r Time			
Rig to CIRC & CIRC	4:00	5:00	1
Rig to CEMENT	5:00	5:30	1/2
WAS CLEAN OUT CELLAR			
INSTALL CASING CLAMP, BACK			
CER LANDING IS CEMENT 8' -			
CER BRIDGE pipe 16' BELOW			
GROUND LEVEL RUN IN TESTS			
OK Rig UP TO CIRCULATE			
HOT WATER			
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 _____
 FORM E-2

Total Contractor Time _____ Hrs. Toolpusher J. P. Hendry
 Total Company Time _____ Hrs. Approved by L. H. ...

THIS COPY TO CONSERVATION BOARD (MAIL TO CALGARY OFFICE)

SEDCO

DAILY DRILLING REPORT

DAY WORK RECORD

No. 3743

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

RIG No. 71 LOCATION Oil & Gas Field AREA Oil & Gas DATE Jan 1/68

Tour — Midnight - 8 a.m.		From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS				C.B. Ft.	Subs Ft.	Pt. Up On Kelly	
Specify actual hours worked		Hrs.	93	5	93	5			No.	O. D.	I. D.	Length	Wgt.			
IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES																
Driller	F. HAMES	8	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Pt. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION			
Derrick	R. T. J. S. H. M.	8	1	1 1/2		H 1	12	120		4						
Floor																
Floor	R. B. J. S. H. M.	8														
Floor																
Motor	D. T. J. S. H. M.	8														
Mechanic																
Extra																
Injuries:																
Fires:																

Tour — 8 a.m. to 4 p.m.		From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS				C.B. Ft.	Subs Ft.	Pt. Up On Kelly	
Specify actual hours worked		Hrs.	98	52	150	3 1/2			No.	O. D.	I. D.	Length	Wgt.			
IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES																
Driller	R. S. T. O. R. M.	8	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Pt. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION			
Derrick	J. H. A. R. W. O. O. D.	8	1	1 1/2	H. W. O. W. V.	R. T. J. S. H. M.	2300	190	116	7 1/2						
Floor																
Floor	R. P. I. E. S. B. R. E. C. H. T.	8														
Floor																
Motor	D. M. O. S. I. C. K. I.	8														
Mechanic																
Extra																
Injuries:																
Fires:																

Tour — 4 p.m. to Midnight		From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS				C.B. Ft.	Subs Ft.	Pt. Up On Kelly	
Specify actual hours worked		Hrs.	150	60	210	4			No.	O. D.	I. D.	Length	Wgt.			
IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES																
Driller	H. C. H. A. D. W. I. C. H.	4	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Pt. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION			
Derrick	B. W. A. R. D.	4	1	3/4	H. W. O. S. C. 3	W. L. 360	2000	130	60	4						
Floor																
Floor	J. H. I. L. L.	4														
Floor																
Motor	R. A. N. D. E. R. S. O. N.	4														
Mechanic																
Extra																
Injuries:																
Fires:																

REMARKS	Time		
	Start	Stop	Interval
Rig Service	11:00	11:15	15
Drop Survey Hoist	11:15	11:45	30
Run In W/ BIT - LEVEL RES	11:45	12:30	45
DRILL HOLDING WGT TO STRAIGHTEN HOLE	12:30	8:00	1/2
DRILL 9 7/8 HOLE	8:00	9:00	1
Rig Service	9:00	9:20	1/2
SURVEY @ 122 MISS RUN	9:20	9:45	1/4
SURVEY @ 122 2"	9:45	10:00	1/4
DRILL 9 7/8 HOLE	10:00	12:00	2 1/2
SURVEY @ 150 2 1/2"	12:00	12:15	1/4
Drop Survey	12:15	1:00	1/4
WORK ON DRILLING LINE	1:00	2:00	1
Hoist	2:00	3:15	1 1/4
Run In	3:15	4:00	1/4
SERVICE RIG	4:00	4:15	1/4
DRILL 7 7/8 HOLE	4:15	4:30	15
SURVEY @ 174 2"	4:30	4:30	0
DRILL 7 7/8 HOLE	4:30	4:30	0
DRILL 7 7/8 HOLE	4:30	10:30	1
WORK ON KELLER HOLE	10:30	10:45	1/4
DRILL 7 7/8 HOLE	10:45	11:15	1/2
SURVEY	11:15	11:30	1/4
DRILL	11:30	12:00	1/2

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)

Total Contractor Time _____ Hrs.

Total Company Time _____ Hrs.

Toolpusher H. B. B. B. B.Approved by H. B. B. B. B.

SEDCO

DAILY DRILLING REPORT

DAY WORK RECORD

No. 3742

RIG No. LOCATION COR COR 222 AREA DATE Jan 7/68

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

Tour — Midnight - 8 a.m.	From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	C.B. Ft.	Subs Ft.	Ft. Up On Kelly
Specify actual hours worked								No. O. D. I. D. Length Wgt.			
Driller F. HAMES 16	IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES										
Derrick R. TOSTHEIM 16	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
Floor											
Floor R. BAILEY 14	MUD 12 Mn. 2 a.m. 4 a.m. 6 a.m. Additives										
Floor	WEIGHT										
Motor O. TIZZARD 14	VISCOSITY										
Mechanic	GEL										
Extra	Pump Pressure	Model									
Injuries:	Pump S.P.M.	Model									
Fires:	Pump Liner Size	Model									
W.L. F.C. pH.											

REMARKS	Start	Stop	Interval
REG SERVICE	12:00	12:15	1/4
Pig Rat Hole 6 1/4" Hole	12:15	7:00	6 3/4
Beam Rat Hole to 7 1/2"	7:00	7:15	1/4
WORK ON PUMP	7:15	7:30	1/4
WAIT ON WELDER	7:30	8:00	1/2

Tour — 8 a.m. to 4 p.m.	From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	C.B. Ft.	Subs Ft.	Ft. Up On Kelly
Specify actual hours worked								No. O. D. I. D. Length Wgt.			
Driller R. S. LORR 8	IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES										
Derrick D. HARWOOD 8	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
Floor											
Floor E. GINSBURGH 8	MUD 8 a.m. 10 a.m. 12 noon 2 p.m. Additives										
Floor	WEIGHT										
Motor D. MOSICKI 8	VISCOSITY										
Mechanic	GEL										
Extra	Pump Pressure	Model									
Injuries:	Pump S.P.M.	Model									
Fires:	Pump Liner Size	Model									
W.L. F.C. pH.											

Company Time	Cont'r Time
Rig SERVICE	8:00 8:15 1/4
WELDON RIG HOLE	8:15 7:30 1/2
Rig to SPUD + SPUD	11:30 11:45 1/4
DRILL 9 1/4" HOLE	11:45 12:00 1/4
TRIP	

Tour — 4 p.m. to Midnight	From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	C.B. Ft.	Subs Ft.	Ft. Up On Kelly
Specify actual hours worked								No. O. D. I. D. Length Wgt.			
Driller H. CHODWICK 8	IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES										
Derrick D. WARD 8	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
Floor											
Floor T. HILL 8	MUD 4 p.m. 6 p.m. 8 p.m. 10 p.m. Additives										
Floor	WEIGHT										
Motor R. ANDERSON 8	VISCOSITY										
Mechanic	GEL										
Extra	Pump Pressure	Model									
Injuries:	Pump S.P.M.	Model									
Fires:	Pump Liner Size	Model									
W.L. F.C. pH.											

Company Time	Cont'r Time
WORK ON PUMP	12:00 1:00 1
DRILL 9 1/4" HOLE	1:30 9:00 3 3/4
SURVEY WATER SURVEY	10:00 10:30 1/2
WELDON SURVEY	10:30 11:00 1 1/2

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

B.O.P. Test-Operated Time Results

FORM 2-2

Total Contractor Time Hrs.

Toolpusher J. Bradley

Total Company Time Hrs.

Approved by

THIS COPY TO CONSERVATION BOARD (MAIL TO CALGARY OFFICE)

DAILY DRILLING REPORT

DAY WORK RECORD

No. 3741

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

RIG No. 77 LOCATION Off Cape Cod, Massachusetts AREA _____ DATE 1/16/68

Tour — Midnight — 8 a.m.		From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS					C.B. Ft.	Subs Ft.	Ft. Up O Kelly
Specify actual hours worked	Hrs.	IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES								No.	O. D.	I. D.	Length	Wgt.		
		No.	Size	Type & Jet Size	Serial No.	Weight	K.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION				
Driller	0															
Derrick	3															
Floor																
Floor																
Floor	0															
Motor	2															
Mechanic																
Extra																
Injuries:																
Fires:																

Tour — 8 a.m. to 4 p.m.		From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS					C.B. Pl.	Subs. Pl.	Pl. Up O' Rig		
Specify actual hours worked		Hrs.	IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES							No.	O. D.	I. D.	Length	Wgt.				
Driller	K STORM	8	B	No.	Size	Type & Jet Size	Serial No.	Weight	S.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION				
Derrick	J HARWOOD	8	I															
Floor			T															
Floor	A DISBRECHT	8	S															
Floor			MUD			8 a.m.	10 a.m.	12 noon	2 p.m.	Additives			At Surveys Degree		MOTOR HOURS		Next Oil Change	FUEL
Floor			WEIGHT											1			Gas	
Motor	D MOSICKI	8	VISCOSITY											2			WATER	
Mechanic			GEL											3			Oil	
Extra			Pump Pressure	Model									4			COAL		
Injuries:			Pump S.P.M.	Model									5			Oil		
Fires:			Pump Licker Size	Model												Oil		
					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 — 4 p.m. to Midnight		From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS					C.B. Ft.	Subs Ft.	Ft. Up or Kelly
Specify actual hours worked	Hrs.	No.	O. D.	I. D.	Length	Wgt.										
Driller	H. CHADWICK	11 1/2														
Derrick	2 WARD	11 1/2														
Floor																
Floor	J. HILL	11 1/2														
Floor																
Motor	P. ANDERSON	8														
Mechanic																
Extra																
Injuries:																
Fires:																

REMARKS	Time		
	Start	Stop	Interval
Rig UP - LEVEL RIG	12 ⁰⁰		
		1 ⁵⁰	
			8
Company Time	Cont'r Time		
Rig SERV.	1 ⁰⁰	1 ¹⁵	1/4
Rig to Dig Rat Hole	1 ¹⁵	1 ³⁰	3/4
WORK ON PUMP	1 ³⁰	1 ⁴⁵	1 1/2
Digging Rat Hole	1 ⁴⁵	2 ⁰⁰	2
REPAIR ROTARY Chain	2 ⁰⁰	2 ¹⁵	1/4
Digging Rat Hole	2 ¹⁵	2 ³⁰	3 1/4
Company Time	Cont'r Time		
Digging RAT RIG SERV	4 ⁰⁰	4 ¹⁵	1/4
Digging RAT HOLE	4 ¹⁵	4 ³⁰	2
REPAIR ROTARY CHAIN	4 ³⁰	4 ⁴⁵	1/4
DRILL RAT HOLE	4 ⁴⁵	5 ⁰⁰	1
REPAIR ROTARY CHAIN	5 ⁰⁰	5 ¹⁵	1/4
DRILL RAT HOLE	5 ¹⁵	5 ³⁰	1 1/4
WORK PUMP CHANG BIT	5 ³⁰	5 ⁴⁵	1
DRILL 1 1/2" RAT HOLE	5 ⁴⁵	6 ⁰⁰	1 1/2
REPAIR ROTARY CHAIN	6 ⁰⁰	6 ¹⁵	1/4
DRILL 1 1/2" RAT HOLE	6 ¹⁵	6 ³⁰	1/4
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 _____

FORM E-2

Total Contractor Time _____ Hrs.

Total Company Time Hrs.

Toolpusher St. Vander.

Approved by: [Signature]

THIS COPY TO CONSERVATION BOARD (MAIL TO CALGARY OFFICE)