

Drilling Authority No. 477
Date Issued 13 December 1970

WELL NAME ~~XXXX~~ Cobles et al Calibeta K-01

FIELD

LOCATION: Unit

Area:

Section

Grid 07-30-122-15

Latitude 60-20-34

Longitude 122-16-04

U.W.L.R. 60.34277 --- 122.26778

U.W.I. 300X316030122150

Rig Release Date:

Status:

Information Release Date:

CHANGE OF NAME:

DATE RECEIVED	INDEX
18-12-70	Application for a Drilling Authority.
	Well Completion Data.
	Well History Report.
	Application to Amend a Drilling Authority.
	Application to change a Well Name.
7-4-71	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.....



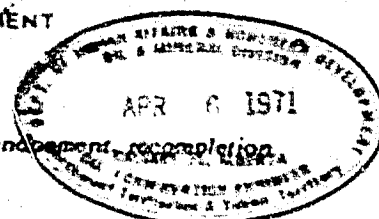
Drilling Authority No. 477

Date issued 12-18-70

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
OIL AND MINERAL DIVISION

WELL COMPLETION DATA

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



Well name and number Gobles et al Calibeta K-01

Permit No. 2695

Lease No. -

Dome Petroleum, Canada Southern Exploratory Licence No. 1645, 1695
(Permitter, Licensee, Lessee)

Gobles Oil and Gas Limited Exploratory Licence No. 1773
(Operator)

Location: Unit K Section 01 Grid 60° 30' N, 122° 15' W

Latitude 50° 20' 34" N

Longitude 122° 15' 04" W

From Established Reference Marker Not Surveyed

Universal Well Location Reference 300 K 016030122150

	DATE	DEPTH	Pool(s)
Spudded	1-6-71		Interval(s) open to production
Suspended			
Resumed Operations			
Finished Drilling	2-8-71	8096	
Deepened			Elevation: Gr. 1640 K.B. 1656
Complete (gas/oil)			Rig No. 21
Abandoned	2-15-71	8096	Drilling Contractor Cascade Drilling Co. Ltd.
Rig released	2-15-71	8096	Contractor's Business Licence No. 788

CASING RECORD

Casing Size (Inches)	Grade	Weight	Amount	Set at -	Sacks of Cement and Additives
1. 10-3/8"	H-40	48#	925.3	905'	1000 sz. + 2% CaCl ₂
2.					
3.					
4.					
5.					
6.					

GEOLOGICAL TOPS	ELEVATION		CORE RECORD					
	Depth	Sub-Sea	From	To	Rec.	From	To	Rec.
Detrital	1160	420				NIL		
Sounds	1340	300						
Pekisko	1620	20						
Banff	1888	-248						
Erzhu	3370	-1730						
Kotcho	3430	-1790						
Tetcho	4472	-2832						

GEOLOGICAL TOPS	Depth	Sub-Sea	LOG RECORD			
			Run No.	Type of Log	From	To
Trout River	4785	-3145	1	IES	905	8094
Kakiss	5045	-3405		BHC - Sonic G.R. - Cal.	910	8088
Red Knife	5090	-3450		SNP	5600	5900
Jean Marie	5644	-4004			7150	8093
Ft. Simpson	5812	-4172		FDC	5600	5900
Slave Pt.	7349	-5709			7150	8093
Pre Devonian Qtz.	8065	-6425		Synergetic System (Porosity Overlay)	5600	5900
					7150	8093

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
2-13-71	8096	7300	400 sx. + 0.3% HR-4 retarder. No feel								
2-15-71	1350	850	450 sx. + 2% CaCl ₂ . Felt at 673' after 8 hours.								
Cut off casing 3' below ground level. Welded on cap and cemented with 10 sacks. Placed name plate on 4' riser.											

DRILL STEM TESTS

No.	Date	Formation	From	To	V.O. Mins.	I.S.I. Mins.	F.S.I. Mins.	I.S.I.B.H.P.	F.S.I.B.H.P.	L.F.B.H.P.	F.F.B.H.P.	I.H.P.	F.H.P.	REMARKS
1.	2-12-71	Slave Point	8096	7510	75	30	75	3110	3095	977	2306	3809	3596	Rec. 1400' muddy salt water - 3300' salt water.
2.	2-14-71	Detrital	1300	874	60	30	60	271	235	201	222	408	408	Rec. 280' drilling mud.

ANALYSIS

Lab. No.	Sample	From	To	Source	Remarks
Water not analyzed					

PRESENT STATUS OF WELL			
Oil			(Interval)
Gas			(Interval)
Dry Abandoned			
Susp.			

Company	Gobles Oil and Gas Limited
Signed by	<i>[Signature]</i>
Title	District Superintendent
Date	3-31-71

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



File No.
Drilling Authority No. 477

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
RESOURCE MANAGEMENT DIVISION
OIL AND GAS

Application to Abandon a Well ~~and 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 **Gobles et al Calibeta K-01**

Location: Unit **K** Section **01** Grid **60° 30' N, 122° 15' W**

Latitude **60° 20' 34" N**

Longitude **122° 16' 04" W**

From Established Reference Marker **Not Surveyed**

Universal Well Location Reference **Lat. 60.34277° N.; Long. 122.26778° W**

Permit No. **2695**

Lease No. **-**

Gobles Oil and Gas Ltd., Dome Petroleum Ltd.
Canada Southern

Date of commencement of proposed program **1-6-71**

OIL, GAS, AND WATER ENCOUNTERED
(Depths)

Oil at **#11**

Gas at **#11**

Water at **7510-8096 (DST #1 - Rec. 4700' muddy salt water)**

Total Depth **8096'** Date of last operations **Feb. 15, 1971**

Present condition of well **Plugged and abandoned**

CASING RECORD

Casing Size O.D. inches	Weight	Amount	Set At—	Seals of Cement and Additives	Remarks
1. 13-3/8"	434	925.3'	905'	1000 w/ ZI CaCl₂	NH
2.					
3.					
4.					
5.					

PROPOSED ABANDONMENT PROGRAM

No.	Plug Position	Geological Formation	Number of Seals of Cement	Remarks
1.	8096'-7300'	Pre-Dev. Quartsite, Keg River & Slave Point	400	plus G-J HZ-4 retarder
2.	1350'-850'	Detrital & Shunda	450	plus ZI CaCl₂ Pool.

The following logs have been run **IES, BHC-Sonic G.R.-Caliper, SIF, FDC, Synergistic System**
Other operations proposed

Operations to be carried out by **Cascade Drilling Co. Ltd.** Contractor Licence No. **788**

Address **P.O. Box 5520, Station A**

Calgary, Alberta

Responsible Agent in field **D. McKay**

Dated at **Calgary, Alberta** this **31** Day of **March** 19 **71**

Signed by **[Signature]** Company **Gobles Oil and Gas Limited**

Title **District Superintendent** Operator's Exploratory Licence No. **1773**

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

(For RESOURCE MANAGEMENT DIVISION use only)

APPROVAL

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

~~Confirming oral approval which includes running a 5 sack cement surface plug~~
~~welding a plate on the top and erecting a riser with identification marker,~~
~~as given by Mr. C. E. Hine on the 11th February 1971~~

Dated **7th April** 19 **71**

[Signature]
Oil Conservation Engineer

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

Drilling Authority No. 477

Project No.

File No.



DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
OIL AND MINERAL DIVISION

Application for a Drilling Authority

This notice of intention to begin drilling operations, in triplicate, and where required a plan 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 **Gobles et al Celibeta E-01**
 Location: Unit **E** Section **01** Grid **60°30'N, 122°15'W**
 Latitude **60° 20' 34" N.** Longitude **122° 16' 04" W.**
 Unique Well Identifier **300X016030122150**
 Universal Well Location Reference **Lat. 60.34277°N.; Long. 122.2677°W.**
 Elevation: Ground **1630 est.** **K.B. 1644 est.** feet above sea-level.
 Well is expected to produce from **Slave Point** formation at a depth
 of about **7025** feet. Expected total final depth **7950**
 Area assigned to well

(For Oil Conservation Engineer's use only)

Permit No. **2695** Lease No. **63,212**
 Permittee, licensee, or lessee **Gobles Oil & Gas Ltd.; Dome Petroleum Ltd.; Canada**
 Exploratory Licence No. **1773** **Southern Petroleum Ltd.**
 Surface owned by Crown or **Crown** **1645** **1695**
 Petroleum and natural-gas rights owned by **Crown** (If other, submit name and address of owner and occupant.)

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

Casing Size O.D. (Inches)	Weight (Lb./Ft.)	Grade	New or Used	Estimated Depth	Depth of Cement
1. 13-3/8"	48.0	E-40	New	900	1000
2. 9-5/8"	to be designed at a later date if required				
3. 7"	23 & 26	K55 & N80	New	7950	1500
4.					
5.					

Expected water, gas, and oil horizons and type of control equipment **Slave Point controlled with surface casing, BOP's, Hydril and 9.7# mud. Intermediate casing will be set if required.**

Well will be drilled with Rotary Rig No. **21** by **Cascade Drilling Company Limited**
 (Drilling Contractor or company)

P.O. Box 5520, Station "A", Calgary, Alberta.

Responsible agent of applicant:—
 At well **A. E. Williamson** Contractor's Business Licence No. **788**
 Address **Wollstone Crap** At registered office **Larry Demosky**
 Address **240 Fourth Ave. S. W., Calgary 1, Alberta.**
 It is understood that if changes become necessary, notice of the change of plan will be submitted.
 Dated at **Calgary**, this **day of December** **1970**
 Signed by **[Signature]** Company **Gobles Oil & Gas Ltd.**
 Title **Dist. Superintendent** Operator's Licence No. **1773**

(For Oil and Mineral Division use only)

APPROVED

- This application has been ~~considered~~ and approved subject to the following conditions:—
- Copies of this Drilling Authority shall be exhibited at the Drilling Rig in both the Doghouse and the Drilling Foreman's Office between spud and rig release dates.
 - The Company will submit to this office, on Tuesday of each week, the latest reports

Dated **18th December** **1970**

Oil Conservation Engineer's page

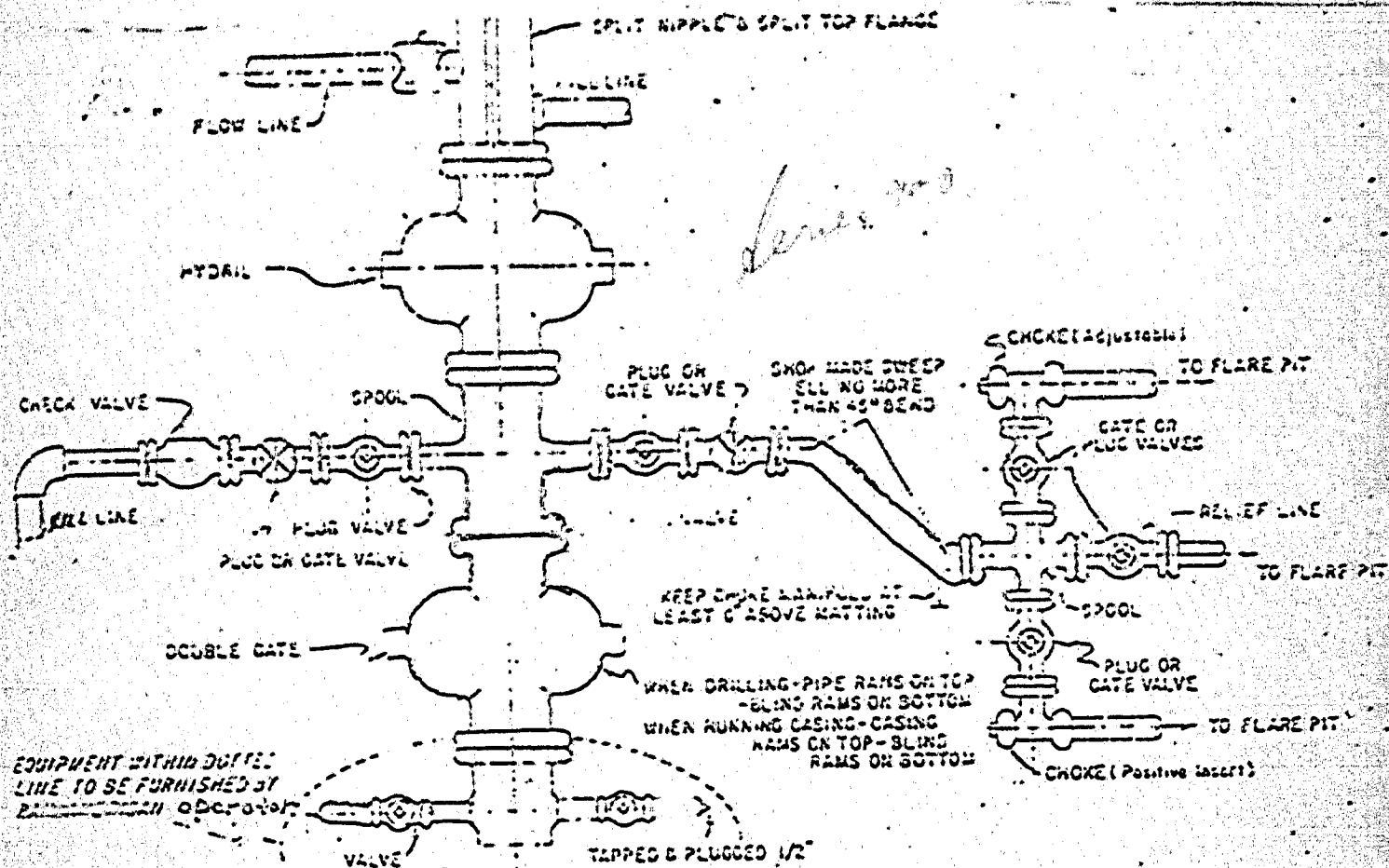
Forms to be submitted to Oil Conservation Engineer,
Department of Indian Affairs and Northern Development, Calgary, Alberta.

Gobles et al Celibeta K-1

Est. Ground Elevation:	1640'
Est. Kelly Bushing:	1655'
Est. Total Depth:	7950' in PreDevonian Qtzites

Formation Tops: Primary Objectives **
Secondary Objectives*

Miss. Pekisko	1745' (- 90')
Banff	1925' (- 270')
Exshaw	3425' (-1770')
Kotcho	3475' (-1820')
Tetcho	4555' (-2900')
Trout River	4815' (-3160')
Kakisa	5075' (-3420')
Red Knife	5135' (-3480')
* Jean Marie	5525' (-3870')
Fort Simpson	5735' (-4080')
Muskwa	7005' (-5350')
** Slave Point	7025' (-5370')
Watt Mountain	7325' (-5670')
Elk Point	7335' (-5680')
* Keg River	7375' (-5720')
Chinchaga	7875' (-6220')
Pre Dev. Qtzite	7925' (-6270')
Total Depth	7950' (-6295')



GOBLES ET AL CELIBETA K-01

WELL HISTORY REPORT

250-11-4-4

GOBLES et al CELIBETA K-01

67°20'34.00" 122°16'04.00"

COMPLETION REPORT

for

CANKEE GAS COMPANY

by

Warren R. Emery, P. Geol.

Cundill, Meyers & Associates Pty. Ltd.

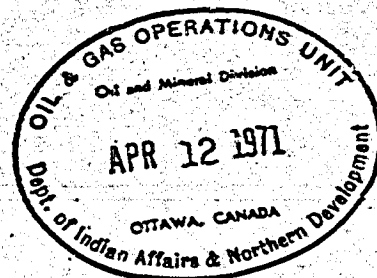


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GOBLES et al CELIBETA K-01

SECTION I - SUMMARY OF WELL DATA

- (a) Gobles et al Celibeta K-01
Unit K Section 01 Grid 60°30'N; 122°15'W
- (b) Permittee, Licencee or Lessee
Gobles Oil & Gas Ltd.
Dome Petroleum Ltd.
Canada Southern Petroleum Ltd.
- (c) Name of Operator
Gobles Oil & Gas Ltd.
- (d) Location
Unit K, Section 01 Grid 60°30'N; 122°15'W
Latitude 60°20'34"N;
Longitude 122°16'04"W
Unique Well Identifier
300K016030122150

Universal Well Location Reference
Lat. 60.34277°N; Long. 122.26778°W
- (e) Co-ordinates
Not applicable
- (f) Permit No. 2695
- (g) Drilling Contractor
Cascade Drilling Company Limited
Rig No. 21E
Rotary Rig
- (h) Drilling Authority
No. 477
Issued December 18, 1970
- (i) Classification
Wildcat

cont'd...

Gobles et al Celibeta K-01 - cont'd.

(j) Elevations

Ground Level 1640'

Kelly Bushing 1656'

(k) Spud Date

11:00 p.m., January 6, 1971

(l) Completed Drilling

2:15 p.m., February 8, 1971

(m) Total Depth - 8096'

(n) Status

Plugged and Abandoned

(o) Rig Release Date

12:00 Midnight, February 15, 1971

(p) Hole Sizes

17-1/2" to 905'

8-3/4" to 8096'

(q) Casing

29 joints of 13-3/8" 48#, H-40, Rge. 2 (total of 925.33') landed at 905' G.L. and cemented with 1000 sacks oilwell bulk cement plus 2% CaCl_2 .

GEOLOGICAL

FORMATION TOPS

Elevation: Ground 1640

<u>Marker</u>	<u>Depth</u>	<u>Subsea Elevation</u>
Detrital	1160	480
Shunda	1340	300
Pekisko	1620	20
Banff	1888	- 248
Exshaw	3370	- 1730
Kotcho	3430	- 1790
Tetcho	4472	- 2832
Trout River	4785	- 3145
Kakisa	5045	- 3405
Red Knife	5090	- 3450
Jean Marie	5644	- 4004
Ft. Simpson	5812	- 4172
Slave Pt.	7349	- 5709
Pre Devonian Quartzite	8065	- 6425
Total Depth	8096	

SAMPLE DESCRIPTIONS

<u>Feet</u>	<u>Descriptions</u>
1200 - 1210	<u>Sandstone</u> - brn., f. gr., sub ang., mod. sort., arg., carb., tr. chert & pyrite, intercrystalline, porosity to 5%, tr. dead oil stain
1210 - 1230	<u>Sandstone</u> - brn., f. gr., sub ang., mod. sort., arg., carb., tr. chert & pyrite, intercrystalline, porosity to 5%
1230 - 1240	<u>Chert</u> - lt. & dk. grey, pt. trip., slty., arg.
1240 - 1250	<u>Siltstone</u> - lt. brn., arg., gry. chert.
1250 - 1260	<u>Sandstone</u> - lt. brn., f. gr., sub ang., mod. sort., slty., tr. chert, intercrystalline, porosity to 7%.
1260 - 1270	<u>Sandstone</u> - lt. brn., f. gr., sub ang., mod. sort., tr. pyrite, sl. carb., 5% intercrystalline, porosity, tr. dead oil stain
1270 - 1280	<u>Sandstone</u> - lt. brn., f. gr., sub ang., mod. sort., tr. chert, 3% intercrystalline porosity
1280 - 1290	<u>Sandstone</u> - lt. brn., v. f. gr., sub ang., mod. sort., slty., sh. strk.
1290 - 1300	<u>Shale</u> - pk. sft., 15% m.g., sub ang., qtz. grns.
1300 - 1310	<u>Shale</u> - pk. sft., 10% m.g., sub ang., qtz. grns.
1310 - 1320	<u>Shale</u> - v. dk. gry., blk., fm., wh. incl.
1320 - 1330	<u>Shale</u> - v. dk. gry., tr. lt. brn. ls.
1330 - 1340	<u>Limestone</u> - lt. brn-lt. gry., arg. Crin.
1340 - 1350	<u>Shale</u> - v. dk. gry., fis., intbd. ls.
1350 - 1360	<u>Shale</u> - v. dk. gry., fis., intb. ls.

Sample Descriptions

<u>Feet</u>	<u>Descriptions</u>
1360 - 1370	<u>Shale</u> - v. dk. gry., fis., intbd. ls.
1370 - 1380	<u>Shale</u> - v. dk. gry., fis., intbd. ls., Ost.
1380 - 1390	<u>Shale</u> - v. dk. gry., fis., intbd. ls.
1390 - 1400	<u>Shale</u> - v. dk. gry., fis., intbd. ls.
1400 - 1470	<u>Limestone</u> - dk. gry., v. arg., intbd. gry. sh.
1470 - 1480	<u>Limestone</u> - dk. gry., v. arg., intbd. gry. sh., tr. pyrite
1480 - 1520	<u>Limestone</u> - dk. gry., v. arg., intbd., gry. sh.
1520 - 1530	<u>Limestone</u> - dk. gry., v. arg., intbd., gry. sh., tr. pyrite
1530 - 1580	<u>Limestone</u> - dk. gry., v. arg., intbd., gry. sh.
1580 - 1600	<u>Limestone</u> - dk. gry., v. arg., intbd., gry. sh., sid. modules, tr. pyrite
1600 - 1610	<u>Limestone</u> - microcrystalline, dk. gry., v. arg., intbd. sh., sid. modules, tr. pyrite
1610 - 1620	<u>Limestone</u> - coarse crystalline, lt. brn., Crin.
1630 - 1700	<u>Limestone</u> - coarse crystalline, lt. brn., arg., Bry., Ost.
1700 - 1840	<u>Shale</u> - dk. gry., fis., brit., occ. lt. br. ls. str., Crin.
1840 - 1900	<u>Shale</u> - gn-gry., blk., ls. str.
1900 - 2300	<u>Shale</u> - gn-gry., blk., calc.
2300 - 2350	<u>Limestone</u> - microcrystalline, earthy, gry., v. arg., Gast., Crin.
2350 - 2900	<u>Shale</u> - gn-gry., blk., tr. pyrite.

Sample Descriptions

<u>Feet</u>	<u>Descriptions</u>
2900 - 3250	<u>Shale</u> - gn.-gry., blk., pt. slty., occ. ls. str.
3250 - 3370	<u>Shale</u> - dk. gry., fis., brit.
3370 - 3380	<u>Shale</u> - dk. gry., fis., dk. brn. strks.
3380 - 3420	<u>Shale</u> - dk. gry., slty., intbd. ls.
3420 - 3620	<u>Shale</u> - lt. gry., blk., calc., occ. ls. str.
3620 - 3640	<u>Limestone</u> - gry., microcrystalline, earthy, arg., crin.
3640 - 3760	<u>Limestone</u> - gry., microcrystalline, earthy, arg., sl. dol.
3760 - 3790	<u>Shale</u> - lt. gry., calc., sft.
3790 - 3960	<u>Limestone</u> - lt. gry., microcrystalline, earthy, arg., Crin.
3960 - 4050	<u>Shale</u> - lt. gry., sft., calc., occ. lt. brn. ls. str.
4050 - 4340	<u>Shale</u> - lt. gry., sft., calc., tr. pyrite, Crin., Ost. & Bry.
4340 - 4460	<u>Shale</u> - dk. gry., fis., tr. pyrite
4460 - 4700	<u>Limestone</u> - brn., arg., microcrystalline, tr. pyrite, sh. ptgs., slt.
4700 - 4720	<u>Limestone</u> - brn., microcrystalline, dolomitic
4720 - 4760	<u>Shale</u> - lt. gry., mic-mica., splty., sl. calc.
4760 - 4770	<u>Siltstone</u> - lt. gry., arg., calc.
4770 - 4790	<u>Shale</u> - lt. gry., mic-mica., splty., sl. calc.
4790 - 4800	<u>Siltstone</u> - lt. gry., arg., calc.

Sample Descriptions

<u>Feet</u>	<u>Descriptions</u>
4800 - 4830	<u>Shale</u> - lt. gry., sl. arg.
4830 - 4850	<u>Siltstone</u> - arg., calc.
4850 - 4870	<u>Shale</u> - lt. gry., calc.
4870 - 4880	<u>Siltstone</u> - lt. gry., arg., calc.
4880 - 4890	<u>Shale</u> - lt. gry., blk.
4890 - 4910	<u>Siltstone</u> - lt. gry., arg., calc.
4910 - 5010	<u>Shale</u> - lt. gry., blk., occ. brn. ls. str.
5010 - 5020	<u>Siltstone</u> - lt. gry., calc.
5020 - 5030	<u>Shale</u> - lt. gry., blk.
5030 - 5040	<u>Siltstone</u> - lt. gry., calc., brn. micro-crystalline ls. str.
5040 - 5070	<u>Shale</u> - lt. gry., intbd. calc. sltstn.
5070 - 5080	<u>Limestone</u> - brn., microcrystalline, slty., tr. mollusca
5080 - 5100	<u>Limestone</u> - brn., microcrystalline, gry. sh. str., slty.
5100 - 5110	<u>Shale</u> - lt. gry., blk., ls. str., slty.
5110 - 5120	<u>Limestone</u> - brn., microcrystalline, slty., arg.
5120 - 5130	<u>Shale</u> - lt. gry., blk., slty.
5130 - 5140	<u>Limestone</u> - brn., microcrystalline, arg., slty.
5140 - 5160	<u>Siltstone</u> - lt. gry., calc. ls. str.
5160 - 5170	<u>Shale</u> - lt. gry., blk., silty
5170 - 5180	<u>Siltstone</u> - lt. gry., arg., calc.

Sample Descriptions

<u>Feet</u>	<u>Descriptions</u>
5180 - 5350	<u>Shale</u> - gry., splty., pt. slty.
5350 - 5610	<u>Shale</u> - gry., blk., intbd., f.g. calc. sandstone, occ. Crin.
5610 - 5640	<u>Shale</u> - gry., blk., intbd. brn., f. crystalline ls.
5640 - 5680	<u>Limestone</u> - dk. brn., pt. lt. brn., f. xln., pel., pt. coarse grains wh. calc. xls., tr. pyrite
5680 - 5730	<u>Limestone</u> - crm., lt. brn., microcrystalline, pt. chky., c. wh. calc. xls.
5730 - 5750	<u>Limestone</u> - crm., lt. brn., microcrystalline, tr. f. xln. por. dol., tr. sl. calc. blk. shale
5750 - 5790	<u>Limestone</u> - crm., lt. brn., microcrystalline, pt. chky. with earthy por.
5790 - 5810	<u>Limestone</u> - dk. brn., microcrystalline, sl. arg., bit shale str.
5810 - 5850	<u>Shale</u> - lt. gry., calc., blk., brn. intbd. ls. str.
5850 - 5930	<u>Shale</u> - dk. gry., fis., occ. dk. gry. microcrystalline ls. str. and tr. sltstn.
5930 - 6500	<u>Shale</u> - gry., fis., occ. lt. gry. sltstn., tr. pyrite.
6500 - 6520	<u>Shale</u> - dk. gry., fis.
6520 - 6530	<u>Shale</u> - dk. gry., fis., tr. lt. brn. cryptocrystalline ls.
6530 - 6910	<u>Shale</u> - dk. gry., fis., tr. pyr., tr. gry. sl. calc. sltstn.
6910 - 6920	<u>Shale</u> - dk. gry., fis., tr. v.f.g., gry., calc. SS.

Sample Descriptions

<u>Feet</u>	<u>Descriptions</u>
6920 - 6950	<u>Shale</u> - dk. gry., fis.
6950 - 6960	<u>Shale</u> - dk. gry., fis., tr. Bry.
6960 - 6970	<u>Shale</u> - dk. gry., fis., tr. sltstn.
6970 - 7030	<u>Shale</u> - dk. gry., fis.
7030 - 7040	<u>Shale</u> - dk. gry., fis., tr. gry. SS
7040 - 7080	<u>Shale</u> - dk. gry., fis.
7080 - 7090	<u>Shale</u> - dk. gry., fis., br c., tr. Crin.
7090 - 7100	<u>Shale</u> - dk. gry., fis.
7100 - 7110	<u>Shale</u> - dk. gry., fis., tr. lt. brn., cryptocrystalline ls.
7110 - 7150	<u>Shale</u> - dk. gry., fis.
7150 - 7160	<u>Shale</u> - dk. gry., fis., tr. gry. sl. calc. sltstn.
7160 - 7180	<u>Shale</u> - dk. gry., fis., tr. Crin.
7180 - 7210	<u>Shale</u> - dk. gry., fis., brit.
7210 - 7220	<u>Shale</u> - dk. gry., fis., Crin.
7220 - 7260	<u>Shale</u> - dk. gry., fis.
7260 - 7280	<u>Shale</u> - dk. gry., fis., tr. calc. sltstn., tr. lt. brn. cryptocrystalline ls.
7280 - 7300	<u>Shale</u> - gry., blk., brit.
7300 - 7310	<u>Shale</u> - gry., blk., tr. gry. sltstn.
7310 - 7320	<u>Shale</u> - gry., blk., tr. lt. brn. crypto- crystalline, sl. arg., ls.
7320 - 7340	<u>Shale</u> - gry, blk.
7340 - 7350	<u>Shale</u> - gry., blk., tr. fltg. sd. g.

Sample Descriptions

<u>Feet</u>	<u>Descriptions</u>
7350 - 7360	<u>Limestone</u> - v. dk. brn., cryptocrystalline, arg., bit dense
7360 - 7380	<u>Limestone</u> - v. dk. brn., cryptocrystalline, arg., bit dense, tr. calc. xl., gry. sh. ptgs.
7380 - 7400	<u>Limestone</u> - v. dk. brn., cryptocrystalline, arg., bit dense, gry. sh. ptgs.
7400 - 7410	<u>Limestone</u> - v. dk. brn., cryptocrystalline, arg., bit dense, fltg. qtz. gr.
7410 - 7420	<u>Limestone</u> - v. dk. brn., cryptocrystalline, arg., bit dense, tr. calc. xl., gry. sh. str.
7420 - 7430	<u>Limestone</u> - v. dk. brn., cryptocrystalline, arg., bit dense, pt. dk. brn., dol., qtz. xl.
7430 - 7510	<u>Dolomite</u> - m. xln., dk. brn., pt. wh., arg., carb., qtz., xls., tr. vuggy por.
7510 - 7550	<u>Limestone</u> - cryptocrystalline, dk. brn., arg., dol. str., dk. gry. sh. str.
7550 - 7580	<u>Dolomite</u> - m. xln., dk. brn., pt. wh., arg., qtz. xls., tr. ls., gry. fis. sh., tr. vuggy por.
7580 - 7600	<u>Dolomite</u> - m. xln., dk. brn., pt. wh., arg., qtz. xls., tr. vuggy por.
7600 - 7610	<u>Dolomite</u> - m. xln., dk. brn., pt. wh., arg., dk. brn., cryptocrystalline ls. str., tr. vuggy por.
7610 - 7630	<u>Dolomite</u> - m. xln., dk. brn., pt. wh., arg., qtz. xls., tr. pyrite, tr. vuggy por.
7630 - 7640	<u>Dolomite</u> - m. xln., dk. brn., pt. lt. brn., pt. wh., carb., arg., num. qtz. xls., tr. v. por.
7640 - 7660	<u>Dolomite</u> - m. xln., dk. brn., pt. wh., lt. gry., fis., sh. ptgs., qtz. xls., tr. vuggy por.

Sample Descriptions

<u>Feet</u>	<u>Descriptions</u>
7660 - 7680	<u>Dolomite</u> - m. xln., dk. brn., pt. wh., qtz. & dol. xls., carb., tr. pyrite, tr. vuggy por.
7680 - 7700	<u>Dolomite</u> - m. xln., dk. brn., pt. wh., arg., carb., gry. blk. brit., sh. strgs., qtz. xls., tr. vuggy por.
7700 - 7750	<u>Dolomite</u> - m. xln., dk. brn., pt. wh., carb., arg., occ. sh. str., qtz. xls., tr. vuggy por.
7750 - 7760	<u>Dolomite</u> - m. xln., dk. brn., pt. wh., carb., arg., gry. fis. sh. ptgs., qtz. xls., tr. vuggy por.
7760 - 7840	<u>Dolomite</u> - f. xln., dk. brn., pt. wh., blk. carb. strks., arg., pt. lt. brn., suc., qtz. xls., tr. vuggy por., tr. earthy por.
7840 - 7850	<u>Dolomite</u> - f. xln., to m. xln., dk. brn., pt. wh., carb. qtz. xls., tr. vuggy por.
7850 - 7900	<u>Dolomite</u> - f. xln., dk. brn., arg., carb., pt. lt. brn., suc., qtz. ls., tr. vuggy por.
7900 - 8000	<u>Dolomite</u> - dk. brn., pt. wh., f. xln. to m. xln., carb., dol. & qtz. xls., tr. vuggy por.
8000 - 8060	<u>Dolomite</u> - dk. brn., pt. wh., arg., carb., pt. lt. brn., qtz. xls., tr. vuggy por.
8060 - 8096	<u>Quartzite</u> - wh., translucent, m.g., sub ang., mod. sort., sil. cmt., tr. brn. dol.

DRILLSTEM TESTS

D.S.T. No. 1

7510' - 8096'

30 75 75

Fair initial puff.
Strong blow throughout.

Rec. 4700' fluid
1400' muddy saltwater
3300' saltwater

Salinity 127,000 ppm

IH 3755

IF 969

FH 3551

FF 2302

ISI 3093

BHT 235

FSI 3093

D.S.T. No. 2

861' - 1300'

5 min. Preflow

30 60 60

Rec. 280' drilling mud

IH 360

IF 217

FH 394

FF 229

ISI 249

BHT 80

FSI 246

Note: Above pressures are field figures

DRILLING

General Information

Contractor: Cascade Drilling Company Ltd.,
Rig No. 21E

Drawworks: Unit 20

Mast: Lee C. Moore

Pumps: National G-700 8 x 14
National C-250 7½ x 15

Blowout Preventor: Double Shaffer & Hydril
12" - 900 Series

Casing Record

Surface Casing: Ran 29 jts. of 13 3/8",
48 lbs. H-40 (Total 926.23).
Landed at 905 Gr. cemented
with 1000 sacks oilwell bulk
cement 2% CaCl₂.
Good returns plug down 2.15 p.m.,
January 10, 1971.

BIT RECORD

Bit No.	Depth		Size	Make & Type	Footage	Hours Run
	From	To				
1A	Surface	505'	17 1/2"	OSC3	505'	20
2A	505'	905'	17 1/2"	OSC3	400'	22
3A	868'	905'	12 1/2"	YT3	37'	3 1/2
1	905'	1421'	8 3/4"	XIG	516'	20 1/2
2	1421'	2465'	8 3/4"	SSIG	1044'	42
3	2465'	3383'	8 3/4"	XIG	918'	28 1/2
4	3383'	4036'	8 3/4"	XIG	653'	33
5	4036'	4674'	8 3/4"	XIG	638'	24 1/4
6	4674'	5055'	8 3/4"	SSIG	381'	23 1/4
7	5055'	5656'	8 3/4"	XDV	601'	32 3/4
8	5656'	6041'	8 3/4"	XIG	385'	33 3/4
9	6041'	6740'	8 3/4"	XIG	699'	29 3/4
10	6740'	7175'	8 3/4"	SMG	435'	42 1/4
11	7175'	7419'	8 3/4"	XDV	244'	43 1/2
12	7419'	7572'	8 3/4"	SHG-J	153'	34
13	7572'	7952'	8 3/4"	X55R	380'	43
14	7952'	8096'	8 3/4"	RG7XJ	144'	28

DEVIATION RECORD

<u>Depth</u>	<u>Degrees</u>
87	1/8
141	1/8
230	1/2
286	1/2
340	3/4
395	1/2
485	1/2
577	1/2
676	1/2
761	1/4
842	1/2
1023	3/4
1140	1
1237	1
1329	1
1391	1
1540	7/8
1637	1
1697	1/2
1758	1/4
1850	1/2
1941	1/2
2032	1
2123	7/8
2186	1
2246	1/4
2336	7/8
2430	1
2465	1
2582	1

DEVIATION RECORD

<u>Depth</u>	<u>Degrees</u>
2693	1
2796	1/2
2856	1/2
2981	1
3042	7/8
3103	1/2
3176	3/4
3288	1/2
3473	1/4
3564	7/8
3630	1/2
3812	3/4
3936	1
4036	1 1/8
4123	1
4246	1
4368	1
4522	7/8
4674	1
4850	1
5014	3/4
5271	1
5455	2 1/4
5547	5
5577	6 1/2
5610	6 1/4
5642	6 1/4
5700	6
5735	5 3/4
5764	5 7/8

DEVIATION RECORD

<u>Depth</u>	<u>Degrees</u>
5786	5
5816	4 1/2
5847	4 7/8
5908	4 1/2
5949	4 1/4
5979	4
6041	4
6103	3
6165	2 1/2
6257	2 1/2
6349	1 3/4
6441	1 3/4
6532	1 1/2
6624	1 1/16
6715	1
6807	1 1/4
6898	5
6928	5 1/2
6959	5
6990	5
7021	4 1/2
7051	3 3/4
7083	3
7113	2 7/8
7144	2 7/8
7175	3
7206	3 1/8
7237	3 1/8
7269	3 1/2
7299	3 1/2
7328	3 1/2

DEVIATION RECORD

<u>Depth</u>	<u>Degrees</u>
7361	3 1/8
7391	3
7419	3
7451	2 3/4
7482	2 3/4
7512	2 3/4
7542	2 1/4
7572	2 1/4
7635	2 1/4
7695	2
7757	2 3/4
7818	2 3/4
7879	2 1/2
7952	2
8096	2 1/2

MUD RECORD

<u>Date</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Water Loss</u>	<u>P.H.</u>	<u>F.C.</u>	<u>% Sol</u>	<u>Additives</u>
1971							
January							
7		50					36 Gel 100 Sapp.
8							55 Gel 1 Sapp 5 Sawdust
9							-
10	9.4	100					-
11							-
12							-
13	8.5	29					600 Gel 2 Benex
14	8.7	29					-
15	8.6	36					75 Gel
16	8.9	46	12.4	8	2	5	4 Benex 20 Gel 5 Sawdust
17	8.9	45	12	8	2	5	60 Gel 22 Benex 5 Sawdust

<u>Date</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Water Loss</u>	<u>P.H.</u>	<u>F.C.</u>	<u>1. Sol</u>	<u>Additives</u>
1971							
January							
18	8.9	54	14	9	2/32	5	100 Caustic 47 Gel 18 Benex
19	9.2	75	10.2	9.5	2/32	7	90 Gel 100 O BrocIn 100 Caustic 36 Benex 300 Soda Ash
20	9.1	55	11	9.5	2/32	7	85 Gel 300 Soda Ash 36 Benex
21	9.1	55	10	9.5	2	7	-
22	9.2	65	11.2	9.5	2/32	7	105 Gel 42 Benex
23	9.2	75	1.5	9.8	2/32	7	90 Gel 36 Benex
24	9.1	100	12.2	9.5	2	7	100 Gel 40 Benex
25	8.8	67	13	8	2		100 Gel 40 Benex
26	9	73	12.6	8	2	7	105 Gel 42 Benex

Master Record

<u>Date</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Water Loss</u>	<u>P.H.</u>	<u>F.C.</u>	<u>% Sol</u>	<u>Additives</u>
1971							
January							
27	8.9	60	12	8	2	7	-
28	8.9	78	13.4	8	2	7	58 Gel 11 Benex
29	8.9	65	12.6	8	2/32	5	30 Gel 2 Soda Ash
30	8.9	69	10.4	8.5	2/32	5	45 Gel 9 Benex
31	9	75	10.6	9	2/32	5	55 Gel 22 Benex
February							
1	9	64	10.6	8.5	2/32	5	25 Gel 5 Benex
2	9	66	10.4	8.5	2/32	5	40 Gel 20 Benex
3	9	58	10.4	8	2/32	5	20 Gel 4 Benex 50 Cellux
4	9.1	75	12.8	8.5	2/32	7	100 Cellox 25 Gel

Master Record

<u>Date</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Water Loss</u>	<u>P.H.</u>	<u>F.C.</u>	<u>% Sol</u>	<u>Additives</u>
1971							
February							
5	9.1	71	11.2	8.5	2/32	7	30 Gel 6 Benex 100 Cellex
6	9.2	80	8.2	8.5	2/32	7	10 Gel 2 Benex
7	9.2	90	8.8	8.5	2/32	7	-
8	9.2	105	10.2	8.5	2/32	8	45 Gel 24 Benex 100 Cellex
9	9.4	200	10.4	8.5	2/32	8	-

DAILY DRILLING REPORT

Date	Day	Depth	Footage	Hrs.	Remarks
1971 January					
7	1	141	141	3 3/4 1 2 2 1/4	Drilling Surveys Repairs Clean blow line
8	2	545	404	18 2 1 1/2 1/2 1 1/2 1/2	Drilling Tripping Surveys Services Repairs Clean flow line
9	3	852	307	17 1/4 3 3/4 3/4 3/4 3/4 3/4	Drilling Tripping Surveys Services Water Lines Change swivel
10	4	905	53	3 1/4 10 1/4 3/4 6 1/4 2 1/2 1	Drilling Tripping Circ. for casing Run Casing Condition mud Rig to run casing
11	5	905	0	2 3/4 2 1/2 17 3/4 1/4 3/4	Circ. to cement Cement Head up Rig to displace plug Displace plug
12	6	905	0	1 1 22	Tripping Pressure blind ram Head up
13	7	1320	415	9 3/4 3/4 6 3/4 6 3/4	Drilling Surveys Pressure pipe runs and hydril Collars & shock sub

Daily Drilling Report

Date	Day	Depth	Footage	Hrs.	Remarks
1971 January					
14	8	1637	317	18 2 1/2 1 3/4 3/4	Drilling Tripping Surveys Mud line
15	9	2190	553	21 1/2 1 3/4 3/4	Drilling Surveys Services - Rig
16	10	2552	362	14 1/2 5 1/4 1 1/2 1 1 3/4	Drilling Tripping Surveys Services Clean to bottom
17	11	3227	675	21 1/4 2 3/4	Drilling Surveys Services
18	12	3580	353	13 1/2 4 1/2 2 1/4 1 1/2 1 1/4 1	Drilling Tripping Surveys Clean to Bottom Repairs Services
19	13	3915	335	18 3/4 3 1/2 3/4 1	Drilling Tripping for mud ring Services Surveys
20	14	4320	408	15 4 1 3/4 1 1 1/4 1	Drilling Tripping Surveys Services Clean to Bottom Slip Line

Daily Drilling Report

Date	Day	Depth	Footage	Hrs.	Remarks
1971 January					
21	15	4680	360	16 5 1 1/2 3/4 3/4	Drilling Tripping Surveys Services Clean to bottom
22	16	5035	355	21 3/4 1 1/2 3/4	Drilling Surveys Services
23	17	5395	360	17 4 3/4 1/2 3/4 1/2 1/2	Drilling Tripping Surveys Services Clean to bottom Slip line
24	18	5656	251	16 3/4 2 3/4 4 1/2	Drilling Tripping Surveys Services
25	19	5777	121	14 1/2 6 1/4 2 1/4 3/4 1/4	Drilling Tripping Surveys Services Slip line
26	20	6000	223	17 1/2 5 1/2 1	Drilling Surveys Services Circ. - sample
27	21	6135	135	7 1/2 5 1/4 2 1/2 3/4 4 1/2 3 3/4	Drilling Tripping Surveys Services Clean to bottom Sonoscope drill collars & kelly

Daily Drilling Report

Date	Day	Depth	Footage	Hrs.	Remarks
1971 January					
28	22	6515	380	15 1/4 4 3/4 3 1	Drilling Tripping Surveys Circ. - to trip
29	23	6800	285	13 3/4 5 1/4 2 3/4 3/4 1 1/4 1/4	Drilling Tripping Surveys Services Circ. - to trip Slip line
30	24	6992	192	19 5	Drilling Tripping
31	25	7165	173	18 6	Drilling Surveys
February					
1	26	7258	93	11 3/4 6 2 1/2 3/4 1/2 1 1/4	Drilling Tripping Surveys Services Clean to bottom Slip line
2	27	7354	96	21 1/4 2 3/4	Drilling Tripping
3	28	7428	74	13 1/2 6 2 1/4 1/2 1 1/2 1/4	Drilling Tripping Surveys Services Clean to bottom Circ. prior to trip Slip line

Daily Drilling Report

Date	Day	Depth	Footage	Hrs.	Remarks
1971 February					
4	29	7548	120	20 4	Drilling Surveys
5	30	7683	135	14 1/4 5 2 1/2 3/4 1/2 1	Drilling Tripping Surveys Services Clean to bottom Circ. prior to trip
6	31	7837	137	19 1/4 4 3/4	Drilling Surveys
7	32	7952	115	12 3/4 5 1/4 1 1/2 1/4 1 1/2 1 1/4 1 1/2	Drilling Tripping Surveys Services Clean to bottom Circ. to hoist Slip line
8	33	8075	123	21 3/4 3/4 1 1/2	Drilling Services Clean to bottom
9	34	8096	21	6 1/4 9 3/4 4 3/4 3 1/4	Drilling Tripping Circ. Reaming Bridge

ABANDONMENT PROGRAM

Plug No. 1 8096' - 7300'

400 sks. + 0.3% HR-4 retarder. No feel required.

Plug No. 2 1350' - 850'

450' sks. + 2% CaCl₂. Felt at 673' after eight hours.

Cut off casing 3' below ground level.

Welded on cap and cemented with 10 sks.

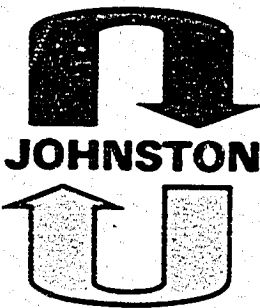
Placed name plate on 4' riser.

Rig release - 12.00 p.m., February 15, 1971.

SECTION IV - LOGS RUN

<u>Log</u>	<u>Interval</u>	<u>Date Log Run</u>
Bore Hole Compensated - Sonic Gamma Ray Caliper	910' -8088'	Feb. 10/71
Induction Electrical Survey	905' -8094'	Feb. 10/71
Sidewall Neutron Porosity	5600' -5900' 7150' -8093'	Feb. 10/71
Formation Density Caliper	5600' -5900' 7150' -8093'	Feb. 10/71
Porosity Overlay (Schlumberger Litholog)	5600' -5900' 7150' -8093'	Feb. 10/71
Drilling Time Log	1150' -8096'	Jan. 13-Feb. 8/71
Lithologic Log (Geologic)	1200' -8096'	Jan. 13-Feb. 8/71

TECHNICAL REPORT

The logo for Johnston is positioned between the words 'REPORT' and 'RT'. It features a stylized 'J' shape formed by two thick, black arrows. One arrow points downwards from the top, and the other points upwards from the bottom. The word 'JOHNSTON' is printed in a bold, sans-serif font across the middle of the 'J' shape.



JOHNSTON TESTERS

311 207th Avenue S.E. • Calgary N. Alberta • PH 255-1151

A DIVISION OF THE AMERICAN CABLE COMPANY LIMITED

[illegible]



JOHNSTON TESTERS

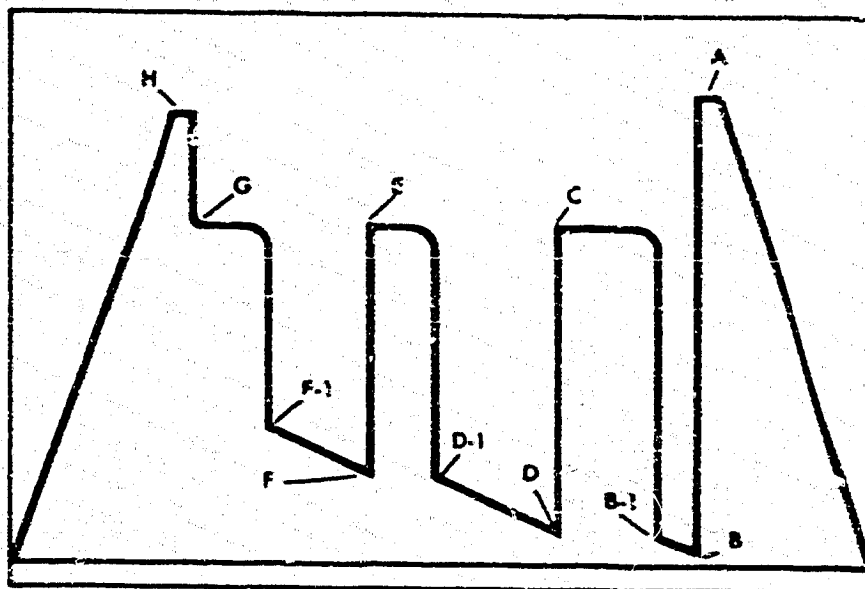
325 - 50TH AVENUE S.E. • CALGARY, N. ALBERTA • PH. 255-1151

A DIVISION OF SCHLUMBERGER CANADA LIMITED

GUIDE TO IDENTIFICATION OF DRILL STEM TEST PRESSURE CHARTS

FIELD
REPORT NO.
D 04815

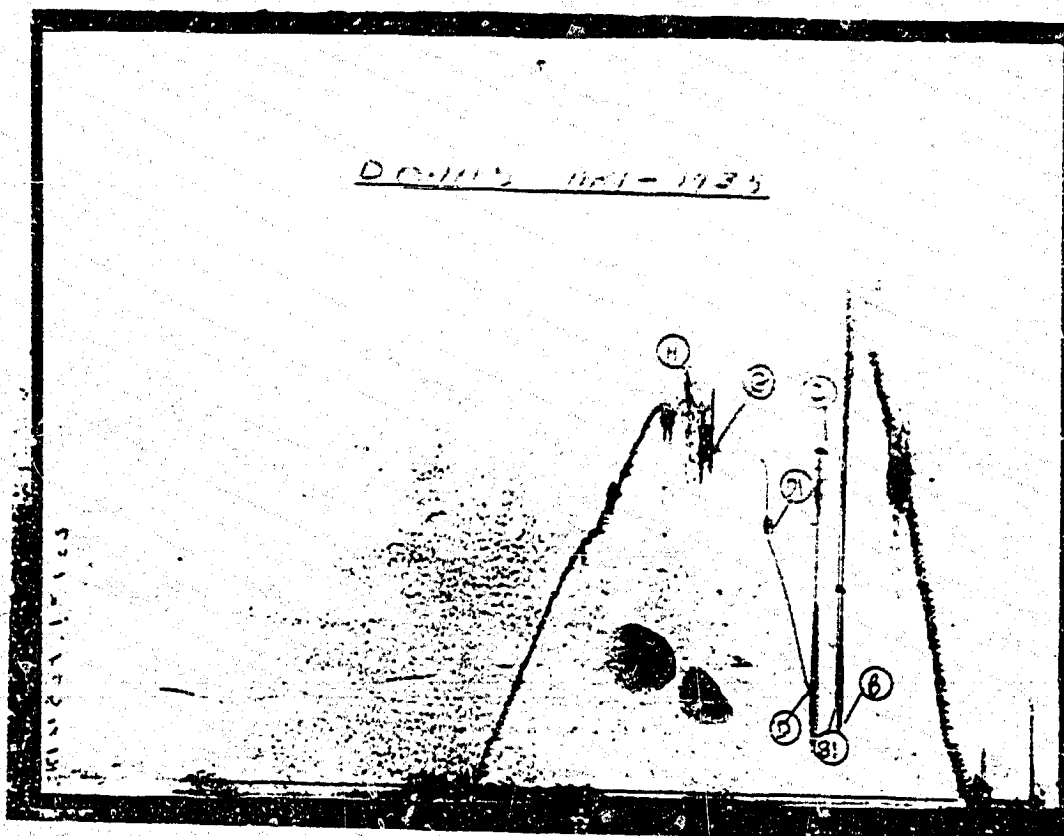
RECORD NO.
AK1-1935



- 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
Z—Special pressure points such as pumping pressures recorded for formation breakdown.



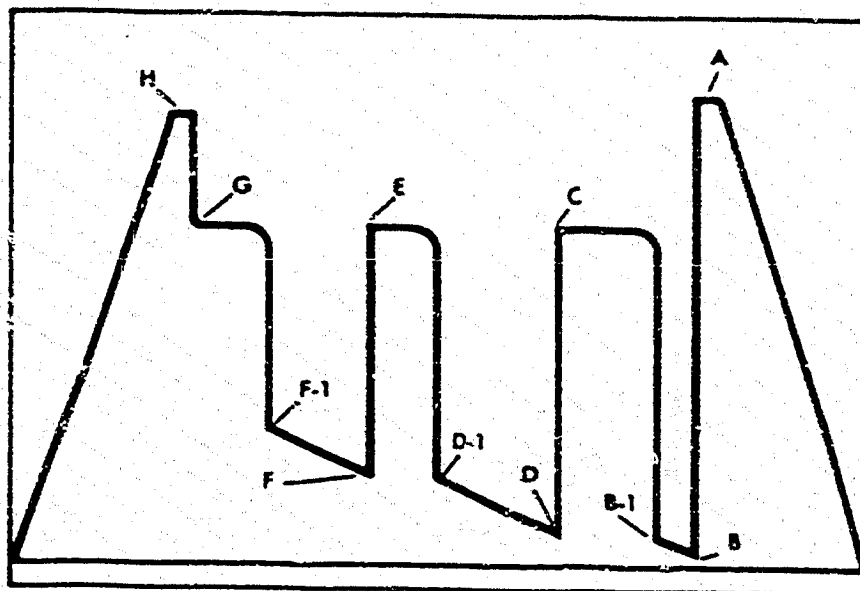


JOHNSTON TESTERS

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A DIVISION OF SCHLUMBERGER CANADA LIMITED

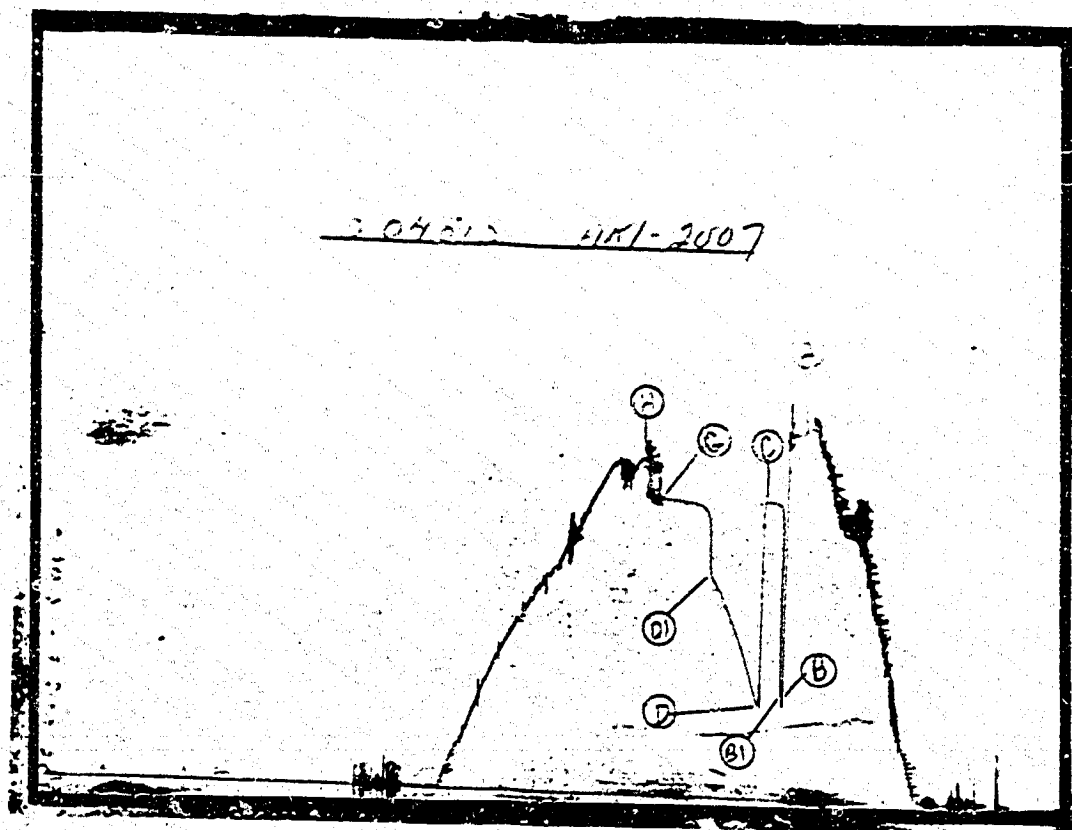
GUIDE TO IDENTIFICATION OF DRILL STEM TEST PRESSURE CHARTS

FIELD
REPORT NO.
0 04815RECORDED NO.
AK1-2007

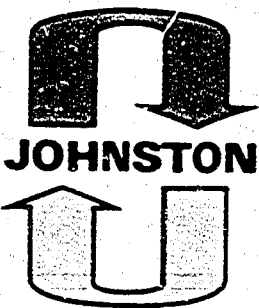
- A. Initial Hyd. Mud
- B. First Flow
- C. Initial Shut-In
- D. Second Flow
- E. Second Shut-In
- F. Third Flow
- G. Final Shut-In
- H. Final Hyd. Mud

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- A-1, A-2, A-3, etc. Initial Hyd. Pressures
- Z - Special pressure points such as pumping pressures recorded for formation breakdown.



TECHNICAL REPORT

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121. 50TH AVENUE S.E. - CALGARY 24, ALBERTA - PH. 230-1151

A DIVISION OF SCHLISSELMAN CANADA LIMITED

TEST DATA				TOOL SEQUENCE		
Formation	SHAND <i>Wet</i>	Zone Thickness	Fr	Tool	Length	O.D.
Interval	874	To PLUGGED BACK TO	6000 1300Ft	P.O. SUB	.80	
Type of Test	CASING			SUB	.85	
Time Started in Hole	1000 Hrs	Tool Opened	1135 Hrs	MFE TOOL	9.12	
First Flow	5 Min	Initial Shut-In	30 Min	BYPASS TOOL	3.00	
Second Flow	60 Min	Second Shut-In	Min	SUB	.80	
Third Flow	Min	Final Shut-In	60 Min	JARS	6.60	
Pulled Loose at	1419 Hrs	Out of Hole	1600 Hrs	SUB	.85	
Wt Set on Packers	25,000 #	Pulled Loose Wt	40,000 #	SAFETY JOINT	1.74	
Description of Blow During Test	GOOD INITIAL PUFF. GOOD			SUB	.80	
FINAL BLOW, DECREASING TO FAIR AT END OF FLOW.				DRILL COLLARS	85.04	
				SUB	.80	
				T.C. & PACKER	5.50	33 3/8"
				TOTAL	115.90	
FLUID RECOVERY Was Test Reverse Circulated Yes ☐ No ☐				STUB	2.00	
Total Fluid Recovered 280' Ft				RECORDER	4.40	
Description of Fluid Recovered				RECORDER	4.40	
280' DRILLING FLUID.				PERF	2.00	
				B.N.	1.00	
				TOTAL INTERVAL	13.80	
GAS BLOW MEASUREMENT						
Measured With				I.D. Riser		
Type of Instrument						
Time	Stce. Choke	Reading psi inches	M Cubic Feet. Day			
			NIL			
				TOTAL LENGTH 129.70		
				Elevation 1644 KB (EST) 1650 GL (EST)		
				Bottom Hole Choke Size 1/2"		
				Fluid Cushion Type NIL Amt.		
REMARKS: TEST SATISFACTORY				MUD AND HOLE DATA		
PLUGGED BACK TOTAL DEPTH UNKNOWN.				Mud Type GEL W.L. 10.2		
				Filter Cake 2/32 Visc. 220 Wt. 9.4		
				Time Taken 0600 HRS. FEBRUARY 13, 1971		
				Contractor CASCADE DRLG. Rig No. 21E		
				Drill Pipe Size 4 1/2 IF		
				Drill Collar Size 2 7/8" ID Length 344'		
				Main Hole Size 8 3/4"		
				Rat Hole Size		
RESISTIVITY				CHLORIDE CONTENT		
Recovery Water	③	°F. UNDER 2,000 ppm.				
Mud Pit sample filtrate	③	°F. UNDER 2,000 ppm.				
District	FORT ST. JOHN		Ticket No. D 04816	Date	FEBRUARY 14, 1971 Test No. 2 J.T. No. 2	
Company	GOBLES OIL & GAS CO. LTD.			Address 240 - 4TH AVE. S.W.		
Well Name	GOBLES ET AL CELIBETA			CALGARY 1, ALBERTA		
Number	K-01-60°20'34"N 122°16'04"W			Field	CELIBETA LAKE Province N.W.T.	
Formation	SHAND <i>Wet</i>			Co. Rep.	D. MCKAY	
and Interval	874 - PLUGGED BACK DST#2			Technician	R. GROSS	
Distribution of Reports						
14 - CALGARY						



D 04816		PRESSURE DATA		FLUID SAMPLE REPORT	
INSTRUMENT No.	AKI-2007	AKI-2088		Sample No.	536
CAPACITY (gals)	8300	7150		Type	5"
INSTRUMENT DEPTH FT	876	881		Depth	763 ft
INSTRUMENT OPENING	OUTSIDE	INSIDE		Volume	2500 cc
PRESSURE GRADIENT psi/FT					
WELL TEMP. °F	80				
INITIAL HYDROSTATIC	A 408#	408#		Sample Pressure	0 psi at Surface
FIRST FLOW	B 250#	234#		Gravity	API 61 °F
	B-1 258#	245#		Gas/Oil Ratio	Cu. Ft. / bbl
INITIAL SHUT-IN	C 271#	270#			
SECOND FLOW	D 201#	204#			
	D-1 222#	223#			
SECOND SHUT-IN	E			Recovery	
THIRD FLOW	F			Cu. Ft. Gas	
	F-1			cc. Oil	
FINAL SHUT-IN	G 235#	236#		cc. Water	
FINAL HYDROSTATIC	H 408#	408#		cc. Mud	400
				Total Liquid cc.	400

PRESSURE INCREMENTS

[illegible]



JOHNSTON TESTERS

321 50TH AVENUE S.E. • CALGARY 24, ALBERTA • PH. 256-1151

A DIVISION OF SCHLUMBERGER CANADA LIMITED

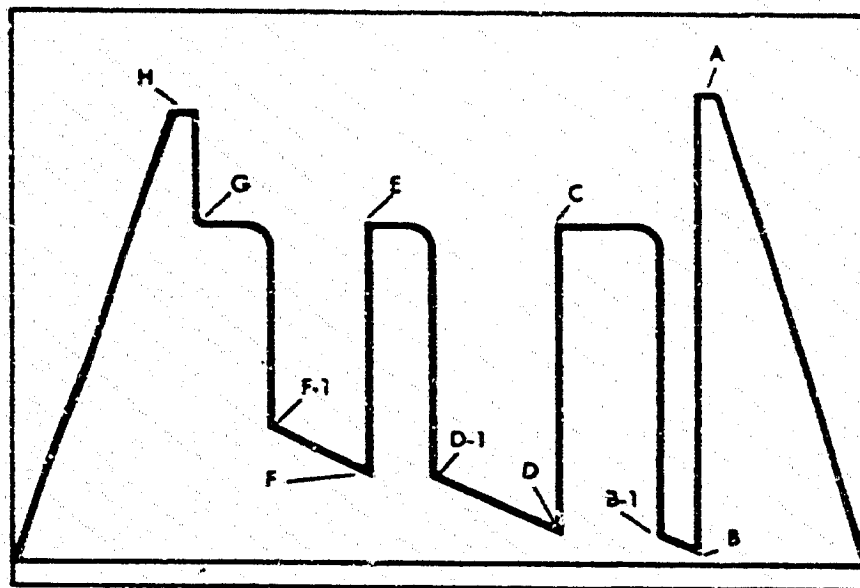
GUIDE TO IDENTIFICATION OF DRILL STEM TEST PRESSURE CHARTS

FIELD
REPORT NO.

D 04816

RECORDED NO.

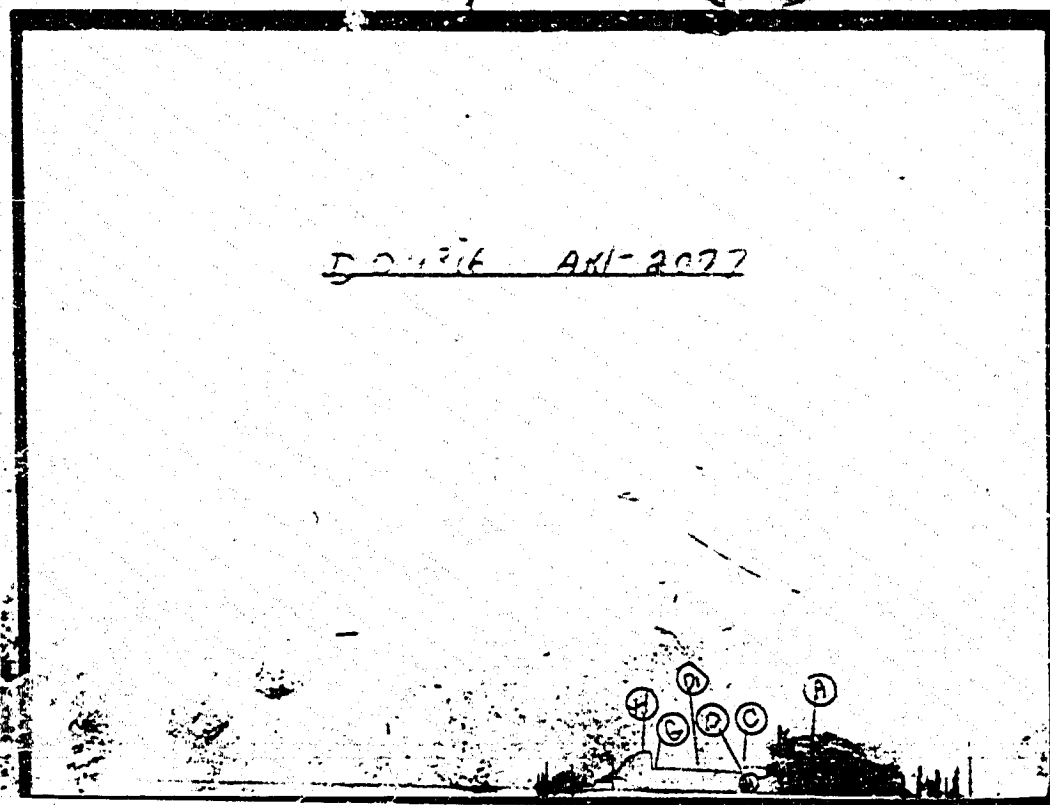
AK1-2007



- 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
Z — Special pressure points such as pumping pressures recorded for formation breakdown.





JOHNSTON TESTERS

321 10TH AVENUE S.E. • CALGARY 24 ALBERTA • PH. 296-1191

A DIVISION OF SCHLUMBERGER CANADA LIMITED

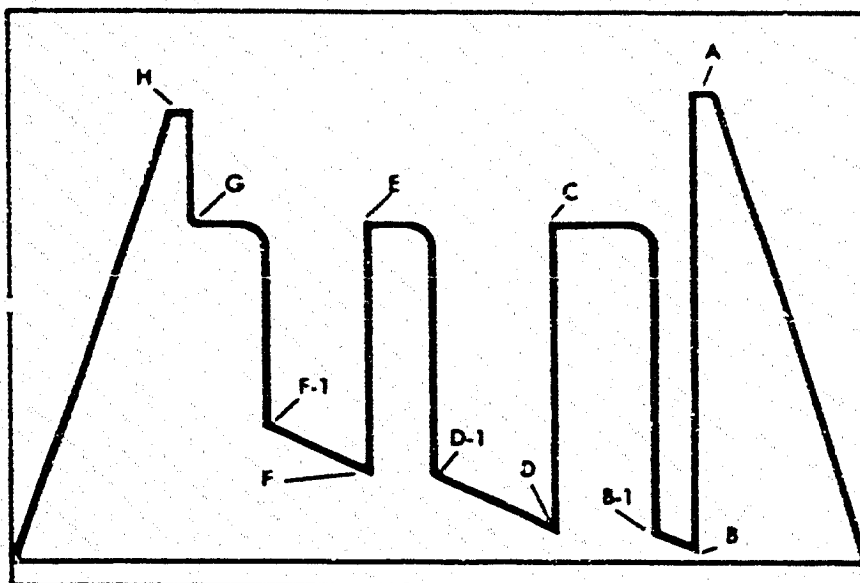
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FIELD
REPORT NO.

D 04816

RECORDED NO.

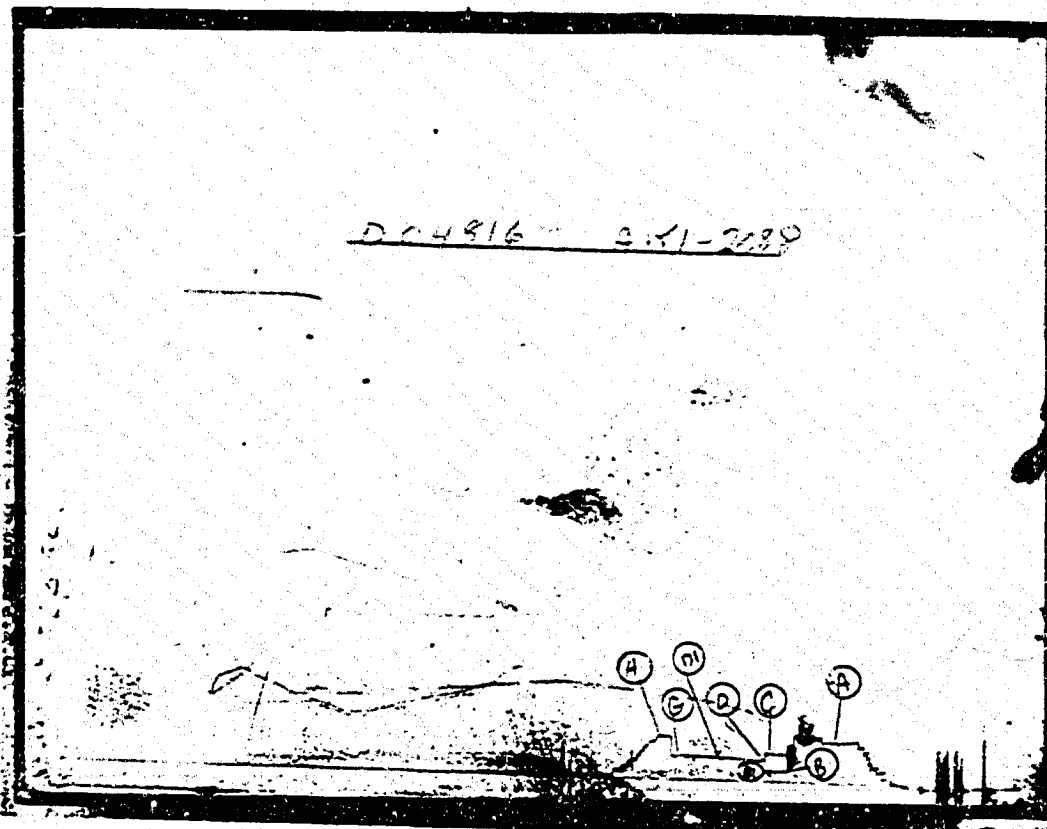
AK1-2088



- 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
Z — Special pressure points such as pumping pressures recorded for formation breakdown.



Company Limited

CONSERVATION BOARD

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

THIS IS 21 DAY ON THIS WELL

RIG No. 11E COMPANY CORPUS LASZOLU LOCATION CORPUS CHRISTI, TEXAS DATE FEB 15 19 71

[illegible]

TOTAL CONTRACTOR TIME _____ HRS. TOOLPUSHER James J. McLaughlin

TOTAL COMPANY TIME _____ HRS. APPROVED BY [Signature]

CASCADE DRILLING

Company Limited

DAILY DRILLING REPORT

CONSERVATION BOARD

DAY WORK RECORD

THIS IS 40 DAY ON THIS WELL

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

RIG No. 21E-39 COMPANY Gables Oil & Gas LOCATION Gables California DATE FEB 14 1971

Tour - Midnight - 8 a.m.		FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS				FUEL	BOILER	DRILL PIPE	STANDS
Specify Actual Hours Worked							NO.	O.D.	I.D.	WGT.	GALS.	HRS.	SIZE	
DRILLER	FRANK SCHMIDT	9	7096	T.D.										
DERRICK	WAYNE CROWE	8												
MOTOR	HARRY DOMONEY	1												
FLOOR	DAVE COOPER	1												
FLOOR	GREG GRAFF	8												
FLOOR														
FIREMAN														
EXTRA														
INJURIES:														
FIRES:														
Tour - 8 a.m. - 4 p.m.		FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS				FUEL	BOILER	DRILL PIPE	STANDS
Specify Actual Hours Worked							NO.	O.D.	I.D.	WGT.	GALS.	HRS.	SIZE	
DRILLER	EARL BAUNT	8	7096	T.D.										
DERRICK	DAVE HANKEWICH	8												
MOTOR	MAX TAILOR	8												
FLOOR	VINCE SPITKOVSKI	12												
FLOOR	PAUL NOVAK	12												
FLOOR														
FIREMAN														
EXTRA														
INJURIES: 2 men stayed over 6- after noon 4 hrs short handed.														
FIRES:														
Tour - 4 p.m. - Midnight		FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS				FUEL	BOILER	DRILL PIPE	STANDS
Specify Actual Hours Worked							NO.	O.D.	I.D.	WGT.	GALS.	HRS.	SIZE	
DRILLER	DAVE COOPER	8												
DERRICK	LYLE HUFFE	8												
MOTOR	HARRY DOMONEY	4												
FLOOR	GARY BOTS	8												
FLOOR	GREG GRAFF	4												
FLOOR														
FIREMAN														
EXTRA														
INJURIES:														
FIRES:														

REMARKS	START	TIME STOP	INTERVAL
H.D.I.S.T. WET PIPE Y	12:00		
Laid down 4 1/2 HES		4:00	4
Run in 12 1/4 PIT T.	4:00		
Clean out 12 1/4 FOR PACKER		6:00	2
Pulled out TO RUN PACKER	2:00	7:00	1
UNLOAD TESTING TOOLS	7:00		
Y MAKING UP SAME		9:00	1
MAKE UP TOOL Y TAIL PIPE	9:00		
FOR D.S.T. #2		12:00	2
Run in hole w/ 4 STDS. Y	10:00		
5 COLLARS 1 single Y KELLY		11:15	1 1/4
SET PACKER Y TESTING	11:15	2:30	
UNSEAT Tool Y Hoisting	2:30	4:00	
SLOW			
BREAK - Lay Down	4:00		
TESTED. Y LOAD OUT		7:00	3
Laid down PIPE	7:00		
THAW OUT FIRST PAGES.			

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

TOTAL CONTRACTOR TIME _____ HRS.
 TOTAL COMPANY TIME _____ HRS.

TOOLPUSHER George Schumacher
 APPROVED BY [Signature]

CASCADE DRILLING

Company Limited

DAILY DRILLING REPORT

CONSERVATION BOARD

DAY WORK RECORD

THIS IS 39 DAY ON THIS WELL

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

RIG No. 311F COMPANY CASCADE DRILLING LOCATION CASCADE DRILLING DATE FEB 13 1971

Tour - Midnight - 8 a.m.		FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS				FUEL	BOILER	DRILL PIPE	STANDS
Specify Actual Hours Worked	HRS.						NO.	O.D.	I.D.	WGT.	GALS.	HRS.	SIZE	
DRILLER <u>Frank Schmidt</u>	8	8096	T.D.											
DERRICK <u>W. H. H. H. H. H.</u>	8													
MOTOR <u>W. H. H. H. H. H.</u>	8													
FLOOR <u>W. H. H. H. H. H.</u>	8													
FLOOR <u>W. H. H. H. H. H.</u>	8													
FIREMAN														
EXTRA														
INJURIES:														
FIRES:														
Tour - 8 a.m. - 4 p.m.		FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS				FUEL	BOILER	DRILL PIPE	STANDS
Specify Actual Hours Worked	HRS.						NO.	O.D.	I.D.	WGT.	GALS.	HRS.	SIZE	
DRILLER <u>Frank Schmidt</u>	8	8096	T.D.											
DERRICK <u>W. H. H. H. H. H.</u>	8													
MOTOR <u>W. H. H. H. H. H.</u>	8													
FLOOR <u>W. H. H. H. H. H.</u>	8													
FLOOR <u>W. H. H. H. H. H.</u>	8													
FIREMAN														
EXTRA														
INJURIES:														
FIRES:														
Tour - 4 p.m. - Midnight		FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS				FUEL	BOILER	DRILL PIPE	STANDS
Specify Actual Hours Worked	HRS.						NO.	O.D.	I.D.	WGT.	GALS.	HRS.	SIZE	
DRILLER <u>Carl Cooper</u>	7													
DERRICK <u>W. H. H. H. H. H.</u>	7													
MOTOR <u>W. H. H. H. H. H.</u>	7													
FLOOR <u>W. H. H. H. H. H.</u>	7													
FLOOR <u>W. H. H. H. H. H.</u>	7													
FIREMAN														
EXTRA														
INJURIES:														
FIRES:														

REMARKS	TIME		
	START	STOP	INTERVAL
HOIST chain out	1200	300	3
Break down packer	300		
Long down gauge	500	2	
Load out mud pump	500	800	3
Let mud pump from 7096 to 7510			
P.F. 5 min. 1.5 hr. in day			
F.F. 1 hr. F.S. 1 hr.			
And run 1 hr. throughout that			
250 P.S. in day stopped immediately			
H. mixed 4700 ft. 11.00			
LOADED OUT PACKER			
CHURN UP FLOOR	8.00		
INJECTED 10 D. H. C. H. H. H.	11.00		
RUN IN HOLE OPEN END	11.00		
END Plug #1.			
PICKED UP 21 ft. pipe	3.30		
BREAK CIRC.	3.30	4.00	
CIRC. ON BOTTOM CLEAN			
HOIST 11 STANDS (WET LAST	4.00		
2 STANDS)	5.30	1 1/2	
POT HOLE ON (COULDN'T PEEK)	5.30	1.15	3/4
HOIST WET PIPE	6.15		
(7.45 P.M.)	7.45		
	7.45	1 1/2	
	9.45	2	
	10.30	3/4	
	10.30		
	1200	1 1/2	

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 _____

THIS IS 27 DAY ON THIS WELL

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

RIG No. 1 COMPANY 1

LOCATION 1

DATE 1/27/41 19 41

Tour - Midnight - 8 a.m.

Specify Actual Hours Worked HRS.

DRILLER 1

DERRICK 1

MOTOR 1

FLOOR 1

FLOOR 1

FLOOR 1

FIREMAN 1

EXTRA 1

INJURIES: 1

FIRES: 1

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS				FUEL	BOILER	DRILL PIPE	STANDS																								
					NO.	O.D.	I.D.	WGT.	GALS.	HRS.	SIZE																									
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SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP	FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP																												

REMARKS	START	STOP	INTERVAL
<u>Wait on water</u>	<u>12.00</u>	<u>7.00</u>	<u>8</u>

Tour - 8 a.m. - 4 p.m.

Specify Actual Hours Worked HRS.

DRILLER 1

DERRICK 1

MOTOR 1

FLOOR 1

FLOOR 1

FLOOR 1

FIREMAN 1

EXTRA 1

INJURIES: 1

FIRES: 1

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS				FUEL	BOILER	DRILL PIPE	STANDS																								
					NO.	O.D.	I.D.	WGT.	GALS.	HRS.	SIZE																									
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SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP	FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP																												

REMARKS	START	STOP	INTERVAL
<u>Wait on water</u>	<u>8.00</u>	<u>1.00</u>	<u>5</u>
<u>make up packer</u>	<u>1.00</u>	<u>3.00</u>	<u>2</u>
<u>Packing in hole</u>	<u>3.00</u>	<u>4.00</u>	<u>1</u>

Tour - 4 p.m. - Midnight

Specify Actual Hours Worked HRS.

DRILLER 1

DERRICK 1

MOTOR 1

FLOOR 1

FLOOR 1

FLOOR 1

FIREMAN 1

EXTRA 1

INJURIES: 1

FIRES: 1

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS				FUEL	BOILER	DRILL PIPE	STANDS																								
					NO.	O.D.	I.D.	WGT.	GALS.	HRS.	SIZE																									
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MUD <table border="1"> <tr> <th>4 P.M.</th> <th>6 P.M.</th> <th>8 P.M.</th> <th>10 P.M.</th> <th>ADDITIVES</th> <th>AT SURVEYS DEGREE</th> <th>MOTOR HOURS</th> <th>NEXT OIL CHANGE</th> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>													4 P.M.	6 P.M.	8 P.M.	10 P.M.	ADDITIVES	AT SURVEYS DEGREE	MOTOR HOURS	NEXT OIL CHANGE																
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PUMPS <table border="1"> <tr> <th>NO. 1</th> <th>PRES-SURE</th> <th>MODEL</th> <th>S.P.M.</th> <th>NO. 2</th> <th>PRES-SURE</th> <th>MODEL</th> <th>S.P.M.</th> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>													NO. 1	PRES-SURE	MODEL	S.P.M.	NO. 2	PRES-SURE	MODEL	S.P.M.																
NO. 1	PRES-SURE	MODEL	S.P.M.	NO. 2	PRES-SURE	MODEL	S.P.M.																													
GENERAL <table border="1"> <tr> <th>SIZE</th> <th>TRIPS</th> <th>NO. LINES</th> <th>TON MILES</th> <th>TOTAL MILES</th> <th>SLIP</th> <th>FEET OR CUT</th> <th>FEET LEFT ON SPOOL</th> <th>NEXT SLIP</th> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>													SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP	FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP															
SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP	FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP																												

REMARKS	START	STOP	INTERVAL
<u>Run in w/ Packer</u>	<u>4.00</u>	<u>5.30</u>	<u>1 1/2</u>
<u>Head up & SET Packer</u>	<u>5.30</u>	<u>6.15</u>	<u>1/2</u>
<u>Testing & Pull Packer hose</u>	<u>6.00</u>	<u>10.00</u>	<u>4</u>
<u>Hoist Chain Tong cut</u>	<u>10.00</u>	<u>12.00</u>	

Totco Ring on Bit No. 1 D.P. Calipered Date 1/27/41 Results 1 From Pipe Rack 1
 B.O.P. Test-Operated 1 Time 1 Results 1

TOTAL CONTRACTOR TIME 1 HRS. TOOLPUSHER 1
 TOTAL COMPANY TIME 1 HRS. APPROVED BY 1

DAY WORK RECORD

THIS IS 7 DAY ON THIS WELL

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

RIG No. 113 COMPANY

LOCATION

DATE 11 FEB 19 71

Tour - Midnight - 8 a.m.		Specify Actual Hours Worked		HRS.	
DRILLER	CH. C. C. C.				
DERRICK	LYNN H. H. H.				
MOTOR	K. K. K. K. K.				
FLOOR	G. G. G. G. G.				
FLOOR	G. G. G. G. G.				
FLOOR	G. G. G. G. G.				
FIREMAN					
EXTRA					
INJURIES:					
FIRES:					

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS				FUEL	BOILER	DRILL PIPE	STANDS
					NO.	O.D.	I.D.	WGT.				
1096	T.D.			2000	2	6 1/2	2 7/8			7	5"	10
SINGLES												
D. COLLARS												
OTHER FT.												
C.B. FT.												
SUBS. FT.												
FT. UP ON KELLY												
TOTAL												
NEXT SLIP												

NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION
1118	20V										

MUD	12 MN.	2 A.M.	4 A.M.	6 A.M.	ADDITIVES	AT SURVEYS DEGREE	MOTOR HOURS	NEXT OIL CHANGE
WEIGHT				44			1	120
VISCOSITY				135			2	24
GEL							3	16
							4	16
							5	204

PUMPS	NO. 1	PRES-SURE	MODEL	S.P.M.	NO. 2	PRES-SURE	MODEL	S.P.M.	NO. 3	PRES-SURE	MODEL	S.P.M.	NO. 4	PRES-SURE	MODEL	S.P.M.	NO. 5	PRES-SURE	MODEL	S.P.M.

W.L.	F.C.	pH	SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP	FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP
109	3/32	9.5	1 1/4		1						

Tour - 8 a.m. - 4 p.m.		Specify Actual Hours Worked		HRS.	
DRILLER	FRANK SCHMIDT				
DERRICK	WILLIAM CROWLEY				
MOTOR	JOSEPH O'DONOGHUE				
FLOOR	JOSEPH O'DONOGHUE				
FLOOR	JOSEPH O'DONOGHUE				
FLOOR	JOSEPH O'DONOGHUE				
FIREMAN					
EXTRA					
INJURIES:					
FIRES:					

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS				FUEL	BOILER	DRILL PIPE	STANDS
					NO.	O.D.	I.D.	WGT.				
8096	T.D.			2000	2	6 1/2	2 7/8			9	5"	20
SINGLES												
D. COLLARS												
OTHER FT.												
C.B. FT.												
SUBS. FT.												
FT. UP ON KELLY												
TOTAL												
NEXT SLIP												

NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION
1118	20V										

MUD	8 A.M.	10 A.M.	12 NOON	2 P.M.	ADDITIVES	AT SURVEYS DEGREE	MOTOR HOURS	NEXT OIL CHANGE
WEIGHT	9.4	9.4	9.4	9.4	GEL - 3000 #		1	124
VISCOSITY	185	150	145	235	BENEY - 12 #		2	24
GEL							3	24
							4	24
							5	24

PUMPS	NO. 1	PRES-SURE	MODEL	S.P.M.	NO. 2	PRES-SURE	MODEL	S.P.M.	NO. 3	PRES-SURE	MODEL	S.P.M.	NO. 4	PRES-SURE	MODEL	S.P.M.	NO. 5	PRES-SURE	MODEL	S.P.M.

W.L.	F.C.	pH	SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP	FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP
10.1	3/32	9.5	1 1/4		8						

Tour - 4 p.m. - Midnight		Specify Actual Hours Worked		HRS.	
DRILLER	EARL B. B. B.				
DERRICK	DAVE HANKEWICH				
MOTOR	MIKE T. T. T.				
FLOOR	MIKE T. T. T.				
FLOOR	PAUL NOVAK				
FLOOR					
FIREMAN					
EXTRA					
INJURIES:					
FIRES:					

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS				FUEL	BOILER	DRILL PIPE	STANDS
					NO.	O.D.	I.D.	WGT.				
8096		</										

[illegible]

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

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

TOTAL CONTRACTOR TIME _____ HRS. TOOLPUSHER *[Signature]*

TOTAL COMPANY TIME _____ HRS. APPROVED BY [Signature]

DAY WORK RECORD

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

Totco Ring on Bit No. _____ D.P. Calipered Date _____ Results _____ From Pipe Rack _____ TOTAL CONTRACTOR TIME _____ HRS. TOOLPUSHER *George H. H. H.*

B.O.P. Test-Operated _____ Time _____ Results _____ TOTAL COMPANY TIME _____ HRS. APPROVED BY *[Signature]*

CASCADE DRILLING

Company Limited

DAILY DRILLING REPORT

CONSERVATION BOARD

DAY WORK RECORD

THIS IS 35 DAY ON THIS WELL

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

RIG No. 21E-39 COMPANY Gables Oil & Gas. LOCATION Gables ET AL Celibetok-01 DATE FEB. 9 1971

Tour - Midnight - 8 a.m.		FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS			FUEL	BOILER	DRILL PIPE	STANDS
Specify Actual Hours Worked	HRS.						NO.	O.D.	I.D.	WGT.	GALS.	HRS.	SIZE
DRILLER		8096 T.P.											
DERRICK													
MOTOR													
FLOOR													
FLOOR													
FIREMAN													
EXTRA													
INJURIES:													
FIRES:													

Tour - 8 a.m. - 3 p.m.		FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS			FUEL	BOILER	DRILL PIPE	STANDS
Specify Actual Hours Worked	HRS.						NO.	O.D.	I.D.	WGT.	GALS.	HRS.	SIZE
DRILLER		8096 T.D.											
DERRICK													
MOTOR													
FLOOR													
FLOOR													
FIREMAN													
EXTRA													
INJURIES:													
FIRES:													

Tour - 4 p.m. - Midnight		FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS			FUEL	BOILER	DRILL PIPE	STANDS
Specify Actual Hours Worked	HRS.						NO.	O.D.	I.D.	WGT.	GALS.	HRS.	SIZE
DRILLER		8096 T.D.											
DERRICK													
MOTOR													
FLOOR													
FLOOR													
FIREMAN													
EXTRA													
INJURIES:													
FIRES:													

REMARKS	TIME		
	START	STOP	INTERVAL
Hoist to log (5 trap out)	3:30	8:00	4 1/2
Board tally 8096.00			
Strip tally 8093.32			
No connection made. 2.68			
Hoist	8:00	8:30	1/2
Try to log tool	8:30		
Hang up at 1363		10:30	2
Slip 20 ft. of line	10:30	11:00	1/2
Running in hole	11:00	13:00	2 1/2
6.1 Plug Bit	13:00	2:30	1
Blanking out Briggs	2:30		
At 1360 to B.T.M.		4:00	1 1/2
Run in to B.T.M.	4:15	4:15	1/10
Circ. - 1000 ft. - 1000 ft.	4:15	7:55	3 3/4
Hoist to log (7-8th std)	7:00		
Tight down - return to bottom	10:00	10:00	3 1/2
Circ.	10:00	10:00	1/2
Hoist slow F/12 stds.	10:00	12:00	1 1/2
H.L.E. good.			

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 _____

DAY WORK RECORD

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

REMARKS	TIME		
	START	STOP	INTERVAL
Drill	1:00	2:45	2 1/4
Drill	4:00	7:00	4
Drilling	8:00	2:15	6 1/4
CIRC. SAMPLE BY ORDERS	2:15	4:00	1 3/4
CIRC.	4:00	4:30	1/2
Hoist 35 STDs & Run Sample	4:30		
Pick up		8:10	3 3/4
Circ. Pick To Leg.	8:10	8:45	1/2
Hoist 15 STDs	7:45		
Run in 1 STD & Penning			
Out Hedge AT 69M		12:00	3 1/4

Handwritten: Handwritten
D. MICK.

APPROVED BY _____

DAY WORK RECORD

THIS IS 43 DAY ON THIS WELL

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

RIG No. 11 COMPANY AMCO LOCATION 401 DATE 11 19 91

[illegible][illegible]

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

TOTAL CONTRACTOR TIME _____ HRS.

TOOLPUSHER James J. Sullivan

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

TOTAL COMPANY TIME _____ HRS.

APPROVED BY _____

THIS IS 32 DAY ON THIS WELL

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

RIG No. 412 COMPANY Cascade Drilling Co. LOCATION Green Lake, Idaho DATE 6 Feb 1971

Tour - Midnight - 8 a.m.

Specify Actual Hours Worked HRS.

DRILLER Carl P. Smith

DERRICK 10' Hoke

MOTOR 10' Hoke

FLOOR Carl P. Smith

FLOOR Carl P. Smith

FLOOR Carl P. Smith

FIREMAN

EXTRA

INJURIES:

FIRES:

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS	FUEL	BOILER	DRILL PIPE	STANDS			
7794	40'	7837	5 1/4	198m	22 6 1/2 2 1/4							
NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION	D. COLLARS
12	7 1/2	XSSR	2 1/2	25300	30	40	265	75 72	30 1/4			630.02
MUD												
WEIGHT 9.2 9.2 9.2 9.2												
VISCOSITY 90 85 80 70												
GEL 1.0 1.0 1.0 1.0												
PUMPS												
NO. 1 PRE-SURE 950 950 950 950												
NO. 2 PRE-SURE 60 - - -												
NO. 3 PRE-SURE 60 - - -												
NO. 4 PRE-SURE 60 - - -												
NO. 5 PRE-SURE 60 - - -												
GENERAL												
W.L. 8.2 F.C. 2.2 PH. 8.5												

Tour - 8 a.m. - 4 p.m.

Specify Actual Hours Worked HRS.

DRILLER Frank Schmidt

DERRICK Wayne Chowder

MOTOR Harry Domany

FLOOR Doug Cokerly

FLOOR Greg Graft

FLOOR

FIREMAN

EXTRA

INJURIES:

FIRES:

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS	FUEL	BOILER	DRILL PIPE	STANDS			
7837	63'	7900	6 1/4	198m	22 6 1/2 2 1/4				74			
NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION	D. COLLARS
13	7 1/2	XSSR	2 1/2	25300	30	40	326	75 72	36 1/2			22.63002
MUD												
WEIGHT 9.2 9.2 9.2 9.2												
VISCOSITY 74 70 75 72												
GEL 1.0 1.0 1.0 1.0												
PUMPS												
NO. 1 PRE-SURE 950 950 950 950												
NO. 2 PRE-SURE 60 - - -												
NO. 3 PRE-SURE 60 - - -												
NO. 4 PRE-SURE 60 - - -												
NO. 5 PRE-SURE 60 - - -												
GENERAL												
W.L. 4.7 F.C. 2.2 PH. 7.5												

Tour - 4 p.m. - Midnight

Specify Actual Hours Worked HRS.

DRILLER Earl Gault

DERRICK Don Hankins

MOTOR Max Taylor

FLOOR Vince Smith

FLOOR Paul Nivak

FLOOR

FIREMAN

EXTRA

INJURIES:

FIRES:

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS	FUEL	BOILER	DRILL PIPE	STANDS			
7900	52'	7952	6 1/2	198m	22 6 1/2 2 1/4				14			
NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION	D. COLLARS
13	7 1/2	XSSR	2 1/2	25300	30	40	320	75 72	43	7952	HOIST	630.02
MUD												
WEIGHT 9.2 9.2 9.2 9.2												
VISCOSITY 70 75 75 70												
GEL 1.0 1.0 1.0 1.0												
PUMPS												
NO. 1 PRE-SURE 950 950 950 950												
NO. 2 PRE-SURE 60 - - -												
NO. 3 PRE-SURE 60 - - -												
NO. 4 PRE-SURE 60 - - -												
NO. 5 PRE-SURE 60 - - -												
GENERAL												
W.L. F.C. PH.												

REMARKS	START	STOP	INTERVAL
DRILL	1:00	2:15	1 1/4
DRILL	2:15	4:30	2 1/4
DRILL	4:30	5:15	45
DRILL	5:15	6:15	1
DRILL	6:15	8:00	1 3/4
DRILL	8:00	9:45	1 45
DRILL	9:45	11:45	2 3/4
DRILL	11:45	1:15	1 1/2
DRILL	1:15	4:00	2 3/4
DRILL	4:00	10:30	6 1/2
DRILL	10:30	11:30	1
DRILL	11:30	11:45	15
DRILL	11:45	12:00	15

Totco Ring on Bit No. _____ D.P. Calipered Date _____ Results _____ From Pipe Rack _____ TOTAL CONTRACTOR TIME _____ HRS. TOOLPUSHER James J. Schenck

B.O.P. Test-Operated _____ Time _____ Results _____ TOTAL COMPANY TIME _____ HRS. APPROVED BY John Mc Kay

CASCADE DRILLING

Company Limited

DAILY DRILLING REPORT

CONSERVATION BOARD

DAY WORK RECORD

THIS IS 31 DAY ON THIS WELL

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

RIG No. 215-39 COMPANY G. L. S. Co. - G. S. LOCATION COALFIELD HILL DATE 5 FEB 1971

Tour - Midnight - 8 a.m.		Specify Actual Hours Worked		HRS.	
DRILLER	EARL GOUNT	8			
DERRICK	DON HANCOCK	5			
MOTOR	MAX TAYLOR	8			
FLOOR	ALICE SPITUSKI	8			
FLOOR	PAUL NADAK	8			
FIREMAN					
EXTRA					
INJURIES					
FIRES					

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS	FUEL	BOILER	DRILL PIPE	STANDS									
NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION	D. COLLARS	OTHER FT.	C.B. FT.	SUBS. FT.	FT. UP ON KELLY	TOTAL	NEXT SLIP
7615	68	7683	534	1964	22	40	111	7542	11		DRY	22-6300					7683	
MUD 12 MN. 2 A.M. 4 A.M. 6 A.M. ADDITIVES AT SURVEYS DEGREE MOTOR HOURS NEXT OIL CHANGE WEIGHT 4.8 3.8 4.5 2.1 Celer - 100 7635 2 1 288 280 VISCOSITY 73 73 71 71 GEL - 500 2 24 170 GEL 3.5 2.5 3.5 2.5 3.5 2.5 3.5 2.5 3.5 2.5 3.5 2.5 3.5 2.5 3.5 2.5 3.5 2.5 3.5 2.5 PUMPS NO. 1 PRES-SURE 950 950 450 950 NO. 2 PRES-SURE 60 60 60 60 NO. 1 MODEL S.P.M. 60 60 60 60 NO. 2 MODEL S.P.M. 60 60 60 60 NO. 1 LINER SIZE 1 1/2 NO. 2 LINER SIZE 1 1/2 GENERAL W.L. 11-2 F.C. 1/32 PH. 7.5																		

Tour - 8 a.m. - 4 p.m.		Specify Actual Hours Worked		HRS.	
DRILLER	EARL GOUNT	8			
DERRICK	DON HANCOCK	5			
MOTOR	MAX TAYLOR	8			
FLOOR	ALICE SPITUSKI	8			
FLOOR	PAUL NADAK	8			
FIREMAN					
EXTRA					
INJURIES					
FIRES					

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS	FUEL	BOILER	DRILL PIPE	STANDS									
NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION	D. COLLARS	OTHER FT.	C.B. FT.	SUBS. FT.	FT. UP ON KELLY	TOTAL	NEXT SLIP
7683	63	7746	134	197	22	40	174	1502	174		HAIR	6300					7746	
MUD 8 A.M. 10 A.M. 12 NOON 2 P.M. ADDITIVES AT SURVEYS DEGREE MOTOR HOURS NEXT OIL CHANGE WEIGHT 9.1 9.1 9.1 9.1 GEL - 1000 7695 2 1 274 270 VISCOSITY 76 70 70 72 GEL - 4 2 24 170 GEL 3.5 2.5 3.5 2.5 3.5 2.5 3.5 2.5 3.5 2.5 3.5 2.5 3.5 2.5 3.5 2.5 3.5 2.5 3.5 2.5 PUMPS NO. 1 PRES-SURE 950 950 450 950 NO. 2 PRES-SURE 60 60 60 60 NO. 1 MODEL S.P.M. 60 60 60 60 NO. 2 MODEL S.P.M. 60 60 60 60 NO. 1 LINER SIZE 1 1/2 NO. 2 LINER SIZE 1 1/2 GENERAL W.L. 11 F.C. 1/32 PH. 7.5																		

Tour - 4 p.m. - Midnight		Specify Actual Hours Worked		HRS.	
DRILLER	FRANK SCHMIDT	4			
DERRICK	WATSON CHAMBERLAIN	4			
MOTOR	MAX TAYLOR	4			
FLOOR	ALICE SPITUSKI	4			
FLOOR	PAUL NADAK	4			
FIREMAN					
EXTRA					
INJURIES					
FIRES					

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS	FUEL	BOILER	DRILL PIPE	STANDS									
NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION	D. COLLARS	OTHER FT.	C.B. FT.	SUBS. FT.	FT. UP ON KELLY	TOTAL	NEXT SLIP
7746	51	7797	63	198	22	40	225	7572	24			22-6300					7797	
MUD 4 P.M. 6 P.M. 8 P.M. 10 P.M. ADDITIVES AT SURVEYS DEGREE MOTOR HOURS NEXT OIL CHANGE WEIGHT 7.2 7.2 5.2 7.2 7757 2 1 0 240 VISCOSITY 11 159 96 96 2 24 170 GEL 3.5 2.5 3.5 2.5 3.5 2.5 3.5 2.5 3.5 2.5 3.5 2.5 3.5 2.5 3.5 2.5 3.5 2.5 3.5 2.5 PUMPS NO. 1 PRES-SURE 950 950 450 950 NO. 2 PRES-SURE 60 60 60 60 NO. 1 MODEL S.P.M. 60 60 60 60 NO. 2 MODEL S.P.M. 60 60 60 60 NO. 1 LINER SIZE 1 1/2 NO. 2 LINER SIZE 1 1/2 GENERAL W.L. 92 F.C. 1/32 PH. 7.5																		

REMARKS	TIME		
	START	STOP	INTERVAL
Drilling	12.00	1.30	1 1/2
5.00 SET F/25 MIN TO BOTTOM	1.30	2.30	1
Run SERVO. & Kelly Cock	2.30	2.45	1/4
Drill 5 FT.	2.45	4.00	1 1/4
RE RUN SERVO	4.00	8.00	4
Drilling			
Drill w/ 30000	7.00	7.45	3/4
Survey SERVO. & Kelly Cock	7.45		
4.00 Run SERVO	10.00		1 1/4
Drill w/ 20000	10.00	4.00	6
Drill 2 3/4 hole	4.00	5.00	1
SURVEY. RIG SURVIVE	5.00		
CHK. BOPS	6.15		1 1/4
Drill	6.15	12.00	5 3/4

Totco Ring on Bit No. _____ D.P. Calipered Date _____ Results _____ From Pipe Rack _____ TOTAL CONTRACTOR TIME _____ HRS. TOOLPUSHER George Makowsky

B.O.P. Test-Operated _____ Time _____ Results _____ TOTAL COMPANY TIME _____ HRS. APPROVED BY [Signature]

CASCADE DRILLING

Company Limited

DAILY DRILLING REPORT

CONSERVATION BOARD

DAY WORK RECORD

THIS IS 30 DAY ON THIS WELL

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

RIG No. 216-39 COMPANY CASCADE DRILLING CO. LOCATION CLARK ST. 1/2 M. N. 1 DATE 11 FEB. 19 71

Tour - Midnight - 8 a.m.		FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS			FUEL	BOILER	DRILL PIPE	STANDS
Specify Actual Hours Worked							NO.	O.D.	I.D.	WGT.	GALS.	HRS.	SIZE
DRILLER	Earl G. HUNT	7506	47	7543	6	145	22	6 1/2	2 1/2				75
DERRICK	Don H. H. H. H.												
MOTOR	Wm. T. H. H.												
FLOOR	Wm. T. H. H.												
FLOOR	Paul H. H. H.												
FLOOR													
FIREMAN													
EXTRA													
INJURIES:													
FIRES:													

Tour - 8 a.m. - 4 p.m.		FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS			FUEL	BOILER	DRILL PIPE	STANDS
Specify Actual Hours Worked							NO.	O.D.	I.D.	WGT.	GALS.	HRS.	SIZE
DRILLER	Earl G. HUNT	7544	24	7572	3 1/4	195	22	6 1/2	2 1/2				75
DERRICK	Don H. H. H.												
MOTOR	Wm. T. H. H.												
FLOOR	Wm. T. H. H.												
FLOOR	Paul H. H. H.												
FLOOR													
FIREMAN													
EXTRA													
INJURIES:													
FIRES:													

Tour - 4 p.m. - Midnight		FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS			FUEL	BOILER	DRILL PIPE	STANDS
Specify Actual Hours Worked							NO.	O.D.	I.D.	WGT.	GALS.	HRS.	SIZE
DRILLER	Earl G. HUNT	7572	43	7615	5 1/4	195	22	6 1/2	2 1/2				75
DERRICK	Don H. H. H.												
MOTOR	Wm. T. H. H.												
FLOOR	Wm. T. H. H.												
FLOOR	Paul H. H. H.												
FLOOR													
FIREMAN													
EXTRA													
INJURIES:													
FIRES:													

REMARKS	START	STOP	INTERVAL
Drilling 1/2 m.	12.00	12.15	14
Survey	12.15	1.15	1
Big Survey of 1/2 m. & Kelly Ck.	1.15	1.30	15
Drilling 1/2 m.	1.30	1.45	15
Drilling 1/2 m.	1.45	2.00	15
Drilling 1/2 m.	2.00	2.15	15
Drilling 1/2 m.	2.15	2.30	15
Drilling 1/2 m.	2.30	2.45	15
Drilling 1/2 m.	2.45	3.00	15
Drilling 1/2 m.	3.00	3.15	15
Drilling 1/2 m.	3.15	3.30	15
Drilling 1/2 m.	3.30	3.45	15
Drilling 1/2 m.	3.45	4.00	15
Drilling 1/2 m.	4.00	4.15	15
Drilling 1/2 m.	4.15	4.30	15
Drilling 1/2 m.	4.30	4.45	15
Drilling 1/2 m.	4.45	5.00	15
Drilling 1/2 m.	5.00	5.15	15
Drilling 1/2 m.	5.15	5.30	15
Drilling 1/2 m.	5.30	5.45	15
Drilling 1/2 m.	5.45	6.00	15
Drilling 1/2 m.	6.00	6.15	15
Drilling 1/2 m.	6.15	6.30	15
Drilling 1/2 m.	6.30	6.45	15
Drilling 1/2 m.	6.45	7.00	15
Drilling 1/2 m.	7.00	7.15	15
Drilling 1/2 m.	7.15	7.30	15
Drilling 1/2 m.	7.30	7.45	15
Drilling 1/2 m.	7.45	8.00	15
Drilling 1/2 m.	8.00	8.15	15
Drilling 1/2 m.	8.15	8.30	15
Drilling 1/2 m.	8.30	8.45	15
Drilling 1/2 m.	8.45	9.00	15
Drilling 1/2 m.	9.00	9.15	15
Drilling 1/2 m.	9.15	9.30	15
Drilling 1/2 m.	9.30	9.45	15
Drilling 1/2 m.	9.45	10.00	15
Drilling 1/2 m.	10.00	10.15	15
Drilling 1/2 m.	10.15	10.30	15
Drilling 1/2 m.	10.30	10.45	15
Drilling 1/2 m.	10.45	11.00	15
Drilling 1/2 m.	11.00	11.15	15
Drilling 1/2 m.	11.15	11.30	15
Drilling 1/2 m.	11.30	11.45	15
Drilling 1/2 m.	11.45	12.00	15

Totco Ring on Bit No. _____ D.P. Calipered Date _____ Results _____ From Pipe Rack _____ TOTAL CONTRACTOR TIME _____ HRS. TOOLPUSHER Don H. H. H.

B.O.P. Test-Operated _____ Time _____ Results _____ TOTAL COMPANY TIME _____ HRS. APPROVED BY L. H. McKee

THIS IS 29 DAY ON THIS WELL

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

RIG No. 21F-24 COMPANY COBLES CO. & CONS LOCATION COBLES CO. (SILVERDALE) DATE 3 FEB 1971

Tour - Midnight - 8 a.m.		FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS				FUEL	BOILER	DRILL PIPE	STANDS
Specify Actual Hours Worked	HRS.						NO.	O.D.	I.D.	WGT.	GALS.	HRS.	SIZE	
DRILLER <u>EARL GAUNT</u>	8	7419	9	7428	11/2	195	22	6 1/2	2 3/4				5"	73
DERRICK <u>DAVE HANCOCK</u>	5													
MOTOR <u>MAX TAYLOR</u>	5													
FLOOR <u>JOHN SUTOWSKI</u>	5													
FLOOR <u>BOB NEUAK</u>	5													
FIREMAN														
EXTRA														
INJURIES:														
FIRES:														

Tour - 8 a.m. - 4 p.m.		FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS				FUEL	BOILER	DRILL PIPE	STANDS
Specify Actual Hours Worked	HRS.						NO.	O.D.	I.D.	WGT.	GALS.	HRS.	SIZE	
DRILLER <u>EARL GAUNT</u>	8	7428	28'	7456	7	198.000	22	6 1/2	2 3/4				5"	74
DERRICK <u>DAVE HANCOCK</u>	5													
MOTOR <u>MAX TAYLOR</u>	5													
FLOOR <u>JOHN SUTOWSKI</u>	5													
FLOOR <u>BOB NEUAK</u>	5													
FIREMAN														
EXTRA														
INJURIES:														
FIRES:														

Tour - 4 p.m. - Midnight		FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS				FUEL	BOILER	DRILL PIPE	STANDS
Specify Actual Hours Worked	HRS.						NO.	O.D.	I.D.	WGT.	GALS.	HRS.	SIZE	
DRILLER <u>FRANK SCHMIDT</u>	4	7456	50	7506	7	198.000	22	6 1/2	2 3/4				5"	74
DERRICK <u>DAVE HANCOCK</u>	5													
MOTOR <u>MAX TAYLOR</u>	5													
FLOOR <u>JOHN SUTOWSKI</u>	5													
FLOOR <u>BOB NEUAK</u>	5													
FIREMAN														
EXTRA														
INJURIES:														
FIRES:														

REMARKS	START	STOP	INTERVAL
Hoist for bit.	12:00	3:15	2'11"
Change bits close blind hole	3:15	3:30	1'14"
Slip 42" line.	3:30	3:45	1'14"
Sign rig	3:45	4:00	1'14"
Run in hole	4:00	6:30	2'12"
Pump out 42" line to bottom	6:30	6:50	1'12"
Drilling	6:50	8:00	1'12"
Drill w/ 14-16 sec.	7:00	7:15	6'4"
Drill w/ 24 sec.	7:15	7:30	1'14"
Drill w/ 24 sec.	7:30	7:45	1'14"
Drill 2 3/4 hole	4:00	7:00	3'
Synkway rig service	7:00		
Chaps Kelly work	8:00		1'
Drill	8:00	12:00	4'

Totco Ring on Bit No. _____ D.P. Calipered Date _____ Results _____ From Pipe Rack _____ TOTAL CONTRACTOR TIME _____ HRS. TOOLPUSHER George Schmitt

B.O.P. Test Operated _____ Time _____ Results _____ TOTAL COMPANY TIME _____ HRS. APPROVED BY MR. K.

CASCADE DRILLING

Company Limited

DAILY DRILLING REPORT

CONSERVATION BOARD

DAY WORK RECORD

THIS IS 25 DAY ON THIS WELL

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

RIG No. 215-34 COMPANY CASCADE LOCATION COLEMAN ST. 1/4 SECTION 10-1 DATE 7 FEB 1971

Tour - Midnight - 8 a.m.

Specify Actual Hours Worked HRS.

DRILLER Earl G. Gant

DERRICK Don. H. H. H. H.

MOTOR Max Taylor

FLOOR W. H. S. H. H. H.

FLOOR Paul H. H. H.

FLOOR

FIREMAN

EXTRA

INJURIES:

FIRES:

Tour - 8 a.m. - 4 p.m.

Specify Actual Hours Worked HRS.

DRILLER Earl G. Gant

DERRICK Don. H. H. H. H.

MOTOR Max Taylor

FLOOR W. H. S. H. H. H.

FLOOR Paul H. H. H.

FLOOR

FIREMAN

EXTRA

INJURIES:

FIRES:

Tour - 4 p.m. - Midnight

Specify Actual Hours Worked HRS.

DRILLER Frank Schmidt

DERRICK W. H. S. H. H. H.

MOTOR Max Taylor

FLOOR W. H. S. H. H. H.

FLOOR Paul H. H. H.

FLOOR

FIREMAN

EXTRA

INJURIES:

FIRES:

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS	FUEL	BOILER	DRILL PIPE	STANDS									
NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION	D. COLLARS	OTHER FT.	C.B. FT.	SUBS. FT.	FT. UP ON KELLY	TOTAL	NEXT SLIP
7324	30	7354	1	172	12 6 1/2	278												
7324	31	7355	1 1/4	172	12 6 1/2	278												
7325	34	7419	4 1/2	172	12 6 1/2	278												

REMARKS	TIME		
	START	STOP	INTERVAL
Drilling	12.00	12.30	1/2
Survey	12.30	1.30	1
Drilling	1.30	8.00	6 1/2
Drilling	8.00	10.30	2 1/2
Survey	10.30	11.00	3/4
Drilling	11.00	11.15	15"
Drilling	11.15	4.00	4 3/4
Drilling	4.00	4.30	1/2
Survey	4.30	5.15	3/4
Drilling	5.15	9.15	4
Drilling	9.15	10.30	1 1/4
Survey	10.30	11.00	1/4
Drilling	11.00	12.00	1

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 _____

DAY WORK RECORD

THIS IS 17 DAY ON THIS WELL

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

RIG No. 915-29 COMPANY Calder, C.H. & Co. LOCATION Calder, C.H. Co., P.O. DATE 1 Feb 1921

[illegible]

Tour - 8 a.m. - 4 p.m.		FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS				FUEL	BOILER	DRILL PIPE	STANDS		
Specify Actual Hours Worked		HRS.					NO.	O.D.	I.D.	WGT.		GALS.	HRS.	SIZE		
DRILLER			7258	34'	7292	7	172m	22 1/2	2 1/4					22	SINGLES	
DERRICK																
MOTOR																
FLOOR																
FLOOR																
FLOOR																
FIREMAN																
EXTRA																
INJURIES:																
FIRES:																
BITS	NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION	D. COLLARS			
	11	2 3/4	X DV	4 1/2	27114	4	100	117	7175	17 1/2		2-16	630 0			
													OTHER FT.			
													C.B. FT.			
	MUD				8 A.M.	10 A.M.	12 NOON	2 P.M.	ADDITIVES			AT SURVEYS DEGREE	MOTOR HOURS	NEXT OIL CHANGE	SUBS. FT.	
	WEIGHT		40	90	90					1269	3 1/2	1	200	20	9 3/4	
	VISCOSITY		40	65	70							2	24	0	FT. UP ON KELLY	
	GEL											3	100	1	7	
	PUMPS	NO. 1	PRES-SURE	950	950	950	950						4	120	70	TOTAL
		MODEL	S.P.M.	50	50	50	50						5	244	770	7292
		LINER SIZE	1 1/2	2 1/2			SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP	FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP	
NO. 2		PRES-SURE														
S	MODEL	S.P.M.					GENERAL									
		LINER SIZE														
W.L.		F.C.		pH.												

[illegible][illegible]

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

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

TOTAL CONTRACTOR TIME _____ HRS. TOOLPUSHER Dennis J. DeWaters

TOTAL COMPANY TIME _____ HRS. APPROVED BY [Signature]

DAY WORK RECORD

THIS IS 21 DAY ON THIS WELL

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

RIG No. 91F-39 COMPANY Exxon Oil Co.

LOCATION College Station, Texas, R-01 DATE 21 May 1971

Tour - Midnight - 8 a.m.		Specify Actual Hours Worked		HRS.	
DRILLER	Earl Count	7095	70	7165	6
DERRICK	Don HANKEWICH	10	934	516	31.1
MOTOR	Max Taylor	13	120	425	6740
FLOOR	Wm S. J. KOSKI	16	90		41
FLOOR	Wm S. J. KOSKI				
FLOOR	Wm S. J. KOSKI				
FIREMAN					
EXTRA					
INJURIES:					
FIRES:					

Tour - 8 a.m. - 4 p.m.		Specify Actual Hours Worked		HRS.	
DRILLER	Earl Count	7165	10	7175	1/4
DERRICK	Don HANKEWICH	10	934	516	31.1
MOTOR	Max Taylor	13	120	425	6740
FLOOR	Wm S. J. KOSKI	16	90		41
FLOOR	Wm S. J. KOSKI				
FLOOR	Wm S. J. KOSKI				
FIREMAN					
EXTRA					
INJURIES:					
FIRES:					

Tour - 4 p.m. - Midnight		Specify Actual Hours Worked		HRS.	
DRILLER	Frank Schmidt	7175	38	7207	3 1/2
DERRICK	Don HANKEWICH	11	934	516	31.1
MOTOR	Max Taylor	13	120	425	6740
FLOOR	Wm S. J. KOSKI	16	90		41
FLOOR	Wm S. J. KOSKI				
FLOOR	Wm S. J. KOSKI				
FIREMAN					
EXTRA					
INJURIES:					
FIRES:					

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

B.O.P. Test-Operated	Time	Results
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TOTAL CONTRACTOR TIME _____ HRS. TOOLPUSHER General Contractor

TOTAL COMPANY TIME _____ HRS. APPROVED BY [Signature]

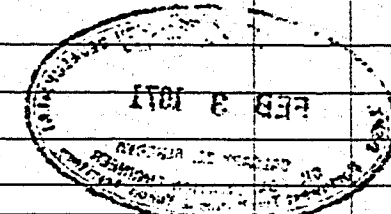
THIS IS 25 DAY ON THIS WELL

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

RIG No. 21E-39 COMPANY GAILES OIL & GAS LOCATION GAILES FTH 60101N K-01 DATE 20 Jan 1971

Tour - Midnight - 8 a.m.		FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS			FUEL	BOILER	DRILL PIPE	STANDS
Specify Actual Hours Worked							NO.	O.D.	I.D.	WGT.	GALS.	HRS.	SIZE
DRILLER	<u>Earl Grant</u>	6952	47	6992	<u>167</u>		22	6 1/2	2 1/2			8	5"
DERRICK	<u>Don Hawkridge</u>												
MOTOR	<u>Max Taylor</u>												
FLOOR	<u>Wince Spitski</u>												
FLOOR	<u>Paul Hawk</u>												
FIREMAN													
EXTRA													
INJURIES													
FIRES													
Tour - 8 a.m. - 4 p.m.		FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS			FUEL	BOILER	DRILL PIPE	STANDS
Specify Actual Hours Worked							NO.	O.D.	I.D.	WGT.	GALS.	HRS.	SIZE
DRILLER	<u>Earl Grant</u>	6992	45	7037	<u>6</u>		22	6 1/2	2 1/2			8	5"
DERRICK	<u>Earl Grant</u>												
MOTOR	<u>Earl Grant</u>												
FLOOR	<u>Earl Grant</u>												
FLOOR	<u>Earl Grant</u>												
FIREMAN													
EXTRA													
INJURIES													
FIRES													
Tour - 4 p.m. - Midnight		FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS			FUEL	BOILER	DRILL PIPE	STANDS
Specify Actual Hours Worked							NO.	O.D.	I.D.	WGT.	GALS.	HRS.	SIZE
DRILLER	<u>Earl Grant</u>	7037	55	7095	<u>6</u>		22	6 1/2	2 1/2			8	5"
DERRICK	<u>Earl Grant</u>												
MOTOR	<u>Earl Grant</u>												
FLOOR	<u>Earl Grant</u>												
FLOOR	<u>Earl Grant</u>												
FIREMAN													
EXTRA													
INJURIES													
FIRES													

REMARKS	TIME		
	START	STOP	INTERVAL
Drilling w/5m	12.00	1.00	1
Circ & Survey	1.00	2.00	1
Survey Rig & Kelly Cock			
Drilling	2.00	6.15	4 1/4
Circ & Survey	6.15	7.15	1
Drilling w/5m	7.15	8	3/4
Drilling w/5m	1.00	12.00	4
Circ & Survey - Survey Rig	12.00		
Survey Rig & Kelly Cock			
Drilling w/5m	1.00	1.30	1/2
Survey	1.30	2.30	1
Drilling w/5m	2.30	4.00	1 1/2
Drilling w/8-10m	4.00	5.45	1 3/4
Survey - Survey Rig - Kelly Cock	5.45		
Drilling	6.45	9.30	2 3/4
Survey	9.30	10.30	1
Drilling	10.30	11.00	1 1/4



Totco Ring on Bit No. _____ D.P. Calipered Date _____ Results _____ From Pipe Rack _____ TOTAL CONTRACTOR TIME _____ HRS. TOOLPUSHER Earl Grant

B.O.P. Test-Operated _____ Time _____ Results _____ TOTAL COMPANY TIME _____ HRS. APPROVED BY Earl Grant

Company Limited

CONSERVATION BOARD

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

THIS IS 23 DAY ON THIS WELL

RIG No. 2116 COMPANY GOBBLES OIL & GAS LOCATION GOBBLES FALCCHIBENT K DATE JAN 94 19 71

APPROVED BY

George Washington
J. M. K. 32

ROLLING
Company Limited

THIS IS 22 DAY ON THIS WELL

DAY WORK RECORD

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

RIG No. 21-E COMPANY CORPUS OIL & GAS LOCATION CORPUS ETAL. C. B. BATAK-O DATE JUN 27 19 71

Tour - Midnight - 8 a.m.		FROM		FOOTAGE		TO		HRS. ON BOTTOM		WT. DRILL STRING (1000 LBS.)		DRILL COLLARS				FUEL		BOILER		DRILL PIPE		STANDS	
Specify Actual Hours Worked		HRS.		6041		94		6135		4 ³ / ₄		106000		22		6 ³ / ₄		2 ¹ / ₂				59	
																						SINGLES	
DRILLER		Frank Schmitt		4																		2	
DERRICK		Wayne Crowe		4																		22-6200	
MOTOR		L. M. Ramsey		4																		OTHER FT.	
FLOOR		2nd Deck		4																		C.B. FT.	
FLOOR		3rd Deck		4																		SUBS. FT.	
FLOOR		4th Deck		4																		FT. UP ON KELLY	
FIREMAN																						TOTAL	
EXTRA																						6135	
INJURIES:																						NEXT SLIP	
FIRES:																							

[illegible][illegible]

REMARKS	TIME		
	START	STOP	INTERVAL
Pipe cleaning TO RTM	1200		
A's Service - K BOPS	200	202	2
Drill w/ 12000 WT	215	515	3
SURVEY	515	615	1
Drill w/ 17000 WT	615	8 ⁰⁰	1 ⁴⁵ / ₄
Drilling	8.00	8.45	3/4
Survey	8.45	9.30	3/4
Serv. Rig v. Knott & Kelly Cook.	F		
Drilling	9.30	1.15	3 ³ / ₄
SURVEY	1.15	2.10	3/4
Drilling w/ 20 m	2.10	4.00	2
Dinner	4.00	5.45	1 ⁴⁵ / ₄
Survey - Brown Lee R.G.	5.45		
v. Knott & Kelly Cook.		6.20	3/4
Dinner	6.20	10.00	3 ⁴⁰ / ₄
Cover Survey	10.00	10.45	3/4
Brown Survey Point	10.45		
Hole To Bottom - TIGHT-		11.20	3/4
2 SDCS - 11.15 - 11.40	11.20	12.00	1/2

Totco Ring on Bit No. _____ D.P. Calipered Date _____ Results _____ From Pipe Rack _____ TOTAL CONTRACTOR TIME _____ HRS. TOOLPUSHER *James J. [Signature]*

B.O.P. Test-Operated _____ Time _____ Results _____ TOTAL COMPANY TIME _____ HRS. APPROVED BY *P. JACK [Signature]*

CASCADE DRILLING

Company Limited

DAILY DRILLING REPORT

CONSERVATION BOARD

DAY WORK RECORD

THIS IS 21 DAY ON THIS WELL

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

RIG No. 21-E COMPANY CORLOS OIL & GAS LOCATION CALIFORNIA BUAH-01 DATE JAN 12 1971

Tour - Midnight - 8 a.m.		FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS			FUEL	BOILER	DRILL PIPE	STANDS
Specify Actual Hours Worked	HRS.						NO.	O.D.	I.D.	WGT.	GALS.	HRS.	SIZE
DRILLER <u>Frank Schmidt</u>	<u>4</u>	<u>5917</u>	<u>42</u>	<u>1000</u>	<u>6 1/4</u>	<u>107</u>	<u>22</u>	<u>6 1/2</u>	<u>2 7/8</u>				<u>51</u>
DERRICK <u>W. H. Groulx</u>	<u>8</u>												<u>2</u>
MOTOR <u>W. H. Groulx</u>	<u>11</u>												<u>22.620102</u>
FLOOR <u>2049 Groulx</u>	<u>8</u>												<u>2</u>
FLOOR <u>2049 Groulx</u>	<u>4</u>												<u>2</u>
FIREMAN													<u>2</u>
EXTRA													<u>2</u>
INJURIES:													<u>2</u>
FIRES:													<u>2</u>
Tour - 8 a.m. - 4 p.m.		FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS			FUEL	BOILER	DRILL PIPE	STANDS
Specify Actual Hours Worked	HRS.						NO.	O.D.	I.D.	WGT.	GALS.	HRS.	SIZE
DRILLER <u>Earl Groulx</u>	<u>8</u>	<u>6000</u>	<u>41</u>	<u>6041</u>	<u>2 1/4</u>	<u>105</u>	<u>22</u>	<u>6 1/2</u>	<u>2 7/8</u>				<u>58</u>
DERRICK <u>Don H. Groulx</u>	<u>8</u>												<u>2</u>
MOTOR <u>Max Taylor</u>	<u>8</u>												<u>22.13802</u>
FLOOR <u>Vince Spitski</u>	<u>8</u>												<u>2</u>
FLOOR <u>Paul Novak</u>	<u>8</u>												<u>2</u>
FIREMAN													<u>2</u>
EXTRA													<u>2</u>
INJURIES:													<u>2</u>
FIRES:													<u>2</u>
Tour - 4 p.m. - Midnight		FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS			FUEL	BOILER	DRILL PIPE	STANDS
Specify Actual Hours Worked	HRS.						NO.	O.D.	I.D.	WGT.	GALS.	HRS.	SIZE
DRILLER <u>Earl Groulx</u>	<u>4</u>	<u>6041</u>	<u>41</u>	<u>6041</u>	<u>2 1/4</u>	<u>105</u>	<u>22</u>	<u>6 1/2</u>	<u>2 7/8</u>				<u>57</u>
DERRICK <u>Earl Groulx</u>	<u>4</u>												<u>2</u>
MOTOR <u>Earl Groulx</u>	<u>4</u>												<u>22.620102</u>
FLOOR <u>Earl Groulx</u>	<u>4</u>												<u>2</u>
FLOOR <u>Earl Groulx</u>	<u>4</u>												<u>2</u>
FIREMAN													<u>2</u>
EXTRA													<u>2</u>
INJURIES:													<u>2</u>
FIRES:													<u>2</u>

REMARKS	START	STOP	INTERVAL
R. G. Groulx C.K. S.P.S.	1200		
7 Kelly C.K.	1215	1215	1/4
Drill 15000 ft.	1215	230	2 1/4
Survey	230	315	3/4
Drill 15000 ft.	315	530	2 1/4
Survey	530	615	3/4
Drill	615	800	1 1/4
Drill	800	845	3/4
Survey High Mud Thick	845	905	1
R. G. Groulx & Kelly C.K.	905	945	2
Drill	945	1105	2
Deep Survey (taken on bottom)	1105	1215	1 1/2
Hoist for bit	1215	245	2 1/4
CHECK COLLARS FOR CRACKS	245	400	1 1/4
Hoist for bit checking	400	630	2 1/2
Collars	630	730	1
Recover Survey & R. G. Groulx	730	930	2
CHANGE RIG - ANN IN 1ST	930	1100	2 1/2
Dr. Groulx R. G. Groulx			
Hydraulic for trip in			
Run in to 5640.			
CLEANING TO 5640.			

Totco Ring on Bit No. _____ D.P. Calipered Date _____ Results _____ From Pipe Rack _____ TOTAL CONTRACTOR TIME _____ HRS. TOOLPUSHER Earl Groulx

B.O.P. Test-Operated _____ Time _____ Results _____ TOTAL COMPANY TIME _____ HRS. APPROVED BY Earl Groulx

ROLLING
Company Limited

THIS IS 20 DAY ON THIS WELL

DAY WORK RECORD

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

RIG No. 21-E COMPANY GORDON OIL & GAS LOCATION GORDON ETAL. CL. BTA H-01 DATE Jan 25 19 71

Tour - Midnight - 8 a.m.		FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS				FUEL	BOILER	DRILL PIPE	STANDS
Specify Actual Hours Worked	HRS.	NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION	SINGLES
DRILLER	Frank Schmidt	8	8 1/2	AIG	3/16	29452	100	120	12-1	5656	13 1/2			1
DERRICK	Wm. C. Cooney													22, 630.0
MOTOR	Wm. C. Cooney													OTHER FT.
FLOOR	Wm. C. Cooney													C.B. FT.
FLOOR	Wm. C. Cooney													SUBS. FT.
FLOOR	Wm. C. Cooney													9.95
FIREMAN														FT. UP ON KELLY
EXTRA														1956
INJURIES:														TOTAL
FIRES:														5777
														NEXT SLIP
		W.L. 15.7 F.C. 2.2 PH. 4												
Tour - 8 a.m. - 4 p.m.		FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS				FUEL	BOILER	DRILL PIPE	STANDS
Specify Actual Hours Worked	HRS.	NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION	SINGLES
DRILLER	Earl Cant	8	8 1/2	AIG	3/16	29452	100	120	191	5656	19			1
DERRICK	Don Hambrick													22, 630.0
MOTOR	Max Taylor													OTHER FT.
FLOOR	Wm. C. Cooney													C.B. FT.
FLOOR	Paul Novak													SUBS. FT.
FLOOR														9.3
FIREMAN														FT. UP ON KELLY
EXTRA														30'
INJURIES:														TOTAL
FIRES:														5827
														NEXT SLIP
		W.L. 12.6 F.C. 1 1/2 PH. 4												
Tour - 4 p.m. - Midnight		FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS				FUEL	BOILER	DRILL PIPE	STANDS
Specify Actual Hours Worked	HRS.	NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION	SINGLES
DRILLER	Wm. C. Cooney	8	8 1/2	AIG	3/16	29452	100	120	262	5656	4 1/2			1
DERRICK	Wm. C. Cooney													22, 630.0
MOTOR	Wm. C. Cooney													OTHER FT.
FLOOR	Wm. C. Cooney													C.B. FT.
FLOOR	Wm. C. Cooney													SUBS. FT.
FLOOR	Wm. C. Cooney													9.3
FIREMAN														FT. UP ON KELLY
EXTRA														2000
INJURIES:														TOTAL
FIRES:														5918
														NEXT SLIP
		W.L. 12.6 F.C. 1 1/2 PH. 4												

[illegible]

Totco Ring on Bit No. _____ D.P. Calipered Date _____ Results _____ From Pipe Rack _____ TOTAL CONTRACTOR TIME _____ HRS. TOOLPUSHER *George J. [Signature]*

B.O.P. Test-Operated _____ Time _____ Results _____ TOTAL COMPANY TIME _____ HRS. APPROVED BY _____

B.O.P. Test-Operated _____ Time _____ Results _____ TOTAL COMPANY TIME _____ HRS. APPROVED BY _____

CASCADE DRILLING

Company Limited

DAILY DRILLING REPORT

CONSERVATION BOARD

DAY WORK RECORD

THIS IS 19 DAY ON THIS WELL

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

RIG No. 21, E COMPANY Cables Oil & Gas LOCATION C-8165 FAULT/RETAIL DATE Jan 24 1971

Tour - Midnight - 8 a.m.		Specify Actual Hours Worked		HRS.
DRILLER	Frank Schmidt	9		
DERRICK	Waggle Crane	4		
MOTOR	Happy D. Motor	4		
FLOOR	Long Crane	4		
FLOOR	Long Crane	4		
FIREMAN				
EXTRA				
INJURIES				
FIRES				

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS	FUEL	BOILER	DRILL PIPE	STANDS
5634	22	5656	3 1/4	93000	22 6 1/2 2 3/4				54
NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.
7	4 3/4	20V	2 1/4	97102	1 1/2	90	601	5055	32 3/4
MUD									
WEIGHT									
VISCOSITY									
GEL									
PUMPS									
W.L. 12.2 F.C. 2.2 PH. 7.2									

REMARKS	START	STOP	INTERVAL
Drill 110.000 ft.	1200	100	1
548000 MISS PAUL	100		
1100000 500000 MAD			
1100000 300			
Drill 110.000 ft.	300	500	2 1/4
HOIST SURFACE AT 5455	515	800	2 3/4

Tour - 8 a.m. - 4 p.m.		Specify Actual Hours Worked		HRS.
DRILLER	Earl Grant	8		
DERRICK	Don Hankewich	4		
MOTOR	MAX Taylor	4		
FLOOR	U. RICE Sp. Knoski	4		
FLOOR	HAIR NOVAH	8		
FIREMAN				
EXTRA				
INJURIES				
FIRES				

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS	FUEL	BOILER	DRILL PIPE	STANDS
5656	6	5662	1	103M	22 6 1/2 2 3/4				54
NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.
8	8 3/4	X16	3-14	29452	5 1/2	100	6	5656	1
MUD									
WEIGHT									
VISCOSITY									
GEL									
PUMPS									
W.L. F.C. PH.									

REMARKS	START	STOP	INTERVAL
Finnish Hoisting	8.00	8.30	
Ship Line Clean Tanks.	8.30		
Change Bits & Blanks.	9.00		
Service Rig	9.00	9.15	
Removal Hole Bridge	9.15		
Removal 450 FT TO BOTTOM.		3.00	
Drilling	3.00	4.00	

Tour - 4 p.m. - Midnight		Specify Actual Hours Worked		HRS.
DRILLER	Earl Grant	4		
DERRICK	Don Hankewich	4		
MOTOR	MAX Taylor	4		
FLOOR	U. RICE Sp. Knoski	4		
FLOOR	HAIR NOVAH	8		
FIREMAN				
EXTRA				
INJURIES				
FIRES				

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS	FUEL	BOILER	DRILL PIPE	STANDS
5662	49	5711	1	106M	22 6 1/2 2 3/4				54
NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.
9	8 3/4	X16	3-14	29452	5 1/2	100	6	5656	1
MUD									
WEIGHT									
VISCOSITY									
GEL									
PUMPS									
W.L. F.C. PH.									

REMARKS	START	STOP	INTERVAL
Drill 110.000 ft.	1200	100	1
548000 MISS PAUL	100		
1100000 500000 MAD			
1100000 300			
Drill 110.000 ft.	300	500	2 1/4
HOIST SURFACE AT 5455	515	800	2 3/4

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 _____

Company Limited

CONSERVATION BOARD

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

THIS IS 17 DAY ON THIS WELL

RIG No. 21E COMPANY GODFREY OIL & GAS LOCATION GODFREY ITAL. CUBETA NO. 1 DATE Jan 23 19 71

Tour - 4 p.m. - Midnight		FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS				FUEL	BOILER	DRILL PIPE	STANDS			
Specify Actual Hours Worked	HRS.	5574	56	5634	6	93	NO.	O.D.	I.D.	WGT.	GALS.	HRS.	SIZE	54 SINGLES			
DRILLER	Cal Campbell	BITS	NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION	11. COLLARS		
DERRICK	Lyle Huff		7	3 3/4	X DU	3 1/4	27102	35	70	514	5055	2 3/4			12 - 630		
MOTOR	DRUM CORRIERE							10	90							OTHER FT.	
FLOOR	GARRY BUTT															C.B. FT.	
FLOOR	GERALD FREEDMAN	MUD	WEIGHT	4 P.M.	6 P.M.	8 P.M.	10 P.M.	ADDITIVES				AT SURVEYS DEGREE		MOTOR HOURS		NEXT OIL CHANGE	SUBS. FT. 3 1/2 9.3
FLOOR			VISCOSITY	70	55	76	77	GEL - 5000				5544 5		1	40	290	
FLOOR			GEL									5577 6 1/2		2	72	1	
FIREMAN												5610 6 1/2		3	104	170	
EXTRA		PUMPS	NO. 1	PRES-SURE	1250											TOTAL 5634	
INJURIES:			MODEL	S.P.M.													
			LINER SIZE														
			NO. 2	PRES-SURE													
FIRES:		MODEL	S.P.M.														
		LINER SIZE															
		GENERAL															
W.L. 11 F.C. 55 PH. 71																	

[illegible]

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 W. E. J. [Signature]

TOTAL COMPANY TIME _____ HRS. APPROVED BY _____

CASCADE DRILLING

Company Limited

DAILY DRILLING REPORT

CONSERVATION BOARD

DAY WORK RECORD

THIS IS 16 DAY ON THIS WELL

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

RIG No. 21E-39 COMPANY Gobles Oil & Gas LTD. LOCATION Gobles et al Pelibeto K-01 DATE JAN. 21 1971

Tour - Midnight - 8 a.m.

Specify Actual Hours Worked HRS.

DRILLER *Ch. Conroy*

DERRICK *Ch. Conroy*

MOTOR *Ch. Conroy*

FLOOR *Ch. Conroy*

FLOOR *Ch. Conroy*

FLOOR *Ch. Conroy*

FIREMAN

EXTRA

INJURIES

FIRES

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS				FUEL	BOILER	DRILL PIPE	STANDS																																																																																																
4657	22	4680	1 1/2	11600	NO.	O.D.	I.D.	WGT.	GALS.	HRS.	SIZE	44																																																																																																
<table border="1"> <tr> <td>NO.</td><td>SIZE</td><td>TYPE</td><td>SIZE JETS</td><td>SERIAL NO.</td><td>WEIGHT</td><td>R.P.M.</td><td>FT. DRLD.</td><td>DEPTH IN</td><td>HRS.</td><td>DEPTH OUT</td><td>CONDITION</td></tr> <tr> <td>5</td><td>8 3/4</td><td>X10-J</td><td>3-14</td><td>27478</td><td>35</td><td>70</td><td>638</td><td>4036</td><td>2 1/4</td><td>4674</td><td>5-7-1</td></tr> <tr> <td>6</td><td>8 3/4</td><td>SSI-6</td><td>3-14</td><td>780235</td><td>20</td><td>70</td><td>6</td><td>4674</td><td>1/2</td><td></td><td></td></tr> </table>													NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION	5	8 3/4	X10-J	3-14	27478	35	70	638	4036	2 1/4	4674	5-7-1	6	8 3/4	SSI-6	3-14	780235	20	70	6	4674	1/2																																																														
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W.L. F.C. pH.																																																																																																												

REMARKS	START	STOP	INTERVAL
Drill	12:00	1:00	1
Drill	1:00	1:15	1/4
Drill	1:15	1:45	1/2
Drill	1:45	4:10	2 1/2
CHANGE BITS CL. BL. RAPS	4:15	4:30	1/4
RAN IN. & SHIP LINE	4:30	6:45	2 1/4
BREAK CIRC & CLEAN T. BTM	6:45	7:30	3/4
DRILL	7:30	8:00	1/2

Tour - 8 a.m. - 4 p.m.

Specify Actual Hours Worked HRS.

DRILLER *Frank Schmitt*

DERRICK *Frank Schmitt*

MOTOR *Frank Schmitt*

FLOOR *Frank Schmitt*

FLOOR *Frank Schmitt*

FLOOR *Frank Schmitt*

FIREMAN

EXTRA

INJURIES

FIRES

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS				FUEL	BOILER	DRILL PIPE	STANDS																																																																																																				
4680	120	4800	7 3/4	95000	NO.	O.D.	I.D.	WGT.	GALS.	HRS.	SIZE	45																																																																																																				
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REMARKS	START	STOP	INTERVAL
Drill 2 3/4 hole	8:00	9:00	1
Rig service CL. BOPS	9:00		
Well coat		9:15	1/4
Drill	9:15	4:00	6 3/4

Tour - 4 p.m. - Midnight

Specify Actual Hours Worked HRS.

DRILLER *Earl Gaunt*

DERRICK *Earl Gaunt*

MOTOR *Earl Gaunt*

FLOOR *Earl Gaunt*

FLOOR *Earl Gaunt*

FLOOR *Earl Gaunt*

FIREMAN

EXTRA

INJURIES

FIRES

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS				FUEL	BOILER	DRILL PIPE	STANDS																																																																																																				
4800	104	4904	6 3/4	964	NO.	O.D.	I.D.	WGT.	GALS.	HRS.	SIZE	46																																																																																																				
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REMARKS	START	STOP	INTERVAL
Drilling	4:00	5:15	1 1/4
Seal. fig. & B. O. P. - Kelly G. C.	5:15	5:30	1/4
Drilling	5:30	8:00	2 1/2
Survey (Miskun)	8:00	8:30	1/2
Drill	8:30	10:00	2
Survey	10:30	11:00	1/2
Drilling	11:00	12:00	1

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

CASCADE DRILLING

Company Limited

DAILY DRILLING REPORT

CONSERVATION BOARD

DAY WORK RECORD

THIS IS 1 DAY ON THIS WELL

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

RIG-NO. <u>218</u> COMPANY <u>Cascade Drilling Co. Ltd.</u> LOCATION <u>1000 ft. - 1000 ft.</u> DATE <u>10/1/54</u>		REMARKS		TIME		
		START	STOP	INTERVAL		
Tour - Midnight - 8 a.m. Specify Actual Hours Worked _____ HRS.						
DRILLER	<u>Frank Sabatini</u>					
DERRICK	<u>1000 ft.</u>					
MOTOR	<u>1000 ft.</u>					
FLOOR	<u>1000 ft.</u>					
FLOOR	<u>1000 ft.</u>					
FIREMAN						
EXTRA						
INJURIES:						
FIRES:						
FROM <u>3917</u> FOOTAGE <u>125</u> TO <u>3917</u> HRS. ON BOTTOM <u>1</u> WT. DRILL STRING (1000 LBS.) <u>1200</u> DRILL COLLARS NO. <u>1</u> O.D. <u>1 1/2</u> I.D. <u>1 1/4</u> WGT. <u>14</u> FUEL GALS. <u>1</u> BOILER HRS. <u>1</u> DRILL PIPE SIZE <u>5</u> STANDS <u>15</u> SINGLES						
BITS NO. <u>4</u> SIZE <u>7 1/2</u> TYPE <u>1 1/2</u> SIZE JETS <u>1 1/4</u> SERIAL NO. <u>29142</u> WEIGHT <u>30</u> R.P.M. <u>75</u> FT. DRLD. <u>1 1/2</u> DEPTH IN <u>1 1/2</u> HRS. <u>1</u> DEPTH OUT <u>1 1/2</u> CONDITION <u>1 1/2</u> D. COLLARS <u>1 1/2</u> OTHER FT. <u>1 1/2</u> C.B. FT. <u>1 1/2</u> SUBS. FT. <u>1 1/2</u> FT. UP ON KELLY <u>1 1/2</u> TOTAL <u>1 1/2</u>						
MUD 12 M. <u>12</u> 2 A.M. <u>12</u> 4 A.M. <u>12</u> 6 A.M. <u>12</u> ADDITIVES <u>12</u> AT SURVEYS DEGREE <u>12</u> MOTOR HOURS <u>12</u> NEXT OIL CHANGE <u>12</u>						
WEIGHT <u>12</u> VISCOSITY <u>12</u> GEL <u>12</u>						
PUMPS NO. 1 PRES-SURE <u>12</u> MODEL <u>12</u> S.P.M. <u>12</u> LINDER SIZE <u>12</u> NO. 2 PRES-SURE <u>12</u> MODEL <u>12</u> S.P.M. <u>12</u> LINDER SIZE <u>12</u>						
GENERAL W.L. <u>12</u> F.C. <u>12</u> PH. <u>12</u>						
Tour - 8 a.m. - 4 p.m. Specify Actual Hours Worked _____ HRS.						
DRILLER	<u>Frank Sabatini</u>					
DERRICK	<u>1000 ft.</u>					
MOTOR	<u>1000 ft.</u>					
FLOOR	<u>1000 ft.</u>					
FLOOR	<u>1000 ft.</u>					
FIREMAN						
EXTRA						
INJURIES:						
FIRES:						
FROM <u>3917</u> FOOTAGE <u>119</u> TO <u>4036</u> HRS. ON BOTTOM <u>1 1/4</u> WT. DRILL STRING (1000 LBS.) <u>83.000</u> DRILL COLLARS NO. <u>22</u> O.D. <u>6 1/2</u> I.D. <u>2 1/4</u> WGT. <u>2 1/4</u> FUEL GALS. <u>2 1/4</u> BOILER HRS. <u>2 1/4</u> DRILL PIPE SIZE <u>2 1/4</u> STANDS <u>37</u> SINGLES						
BITS NO. <u>4</u> SIZE <u>8 1/2</u> TYPE <u>1 1/2</u> SIZE JETS <u>3 1/4</u> SERIAL NO. <u>29142</u> WEIGHT <u>30</u> R.P.M. <u>75</u> FT. DRLD. <u>1 1/2</u> DEPTH IN <u>1 1/2</u> HRS. <u>1 1/2</u> DEPTH OUT <u>1 1/2</u> CONDITION <u>1 1/2</u> D. COLLARS <u>1 1/2</u> OTHER FT. <u>1 1/2</u> C.B. FT. <u>1 1/2</u> SUBS. FT. <u>1 1/2</u> FT. UP ON KELLY <u>1 1/2</u> TOTAL <u>1 1/2</u>						
MUD 8 A.M. <u>12</u> 10 A.M. <u>12</u> 12 NOON <u>12</u> 2 P.M. <u>12</u> ADDITIVES <u>12</u> AT SURVEYS DEGREE <u>12</u> MOTOR HOURS <u>12</u> NEXT OIL CHANGE <u>12</u>						
WEIGHT <u>12</u> VISCOSITY <u>12</u> GEL <u>12</u>						
PUMPS NO. 1 PRES-SURE <u>1000</u> MODEL <u>1000</u> S.P.M. <u>1000</u> LINDER SIZE <u>1000</u> NO. 2 PRES-SURE <u>1000</u> MODEL <u>1000</u> S.P.M. <u>1000</u> LINDER SIZE <u>1000</u>						
GENERAL W.L. <u>10.8</u> F.C. <u>10.8</u> PH. <u>10.8</u>						
Tour - 4 p.m. - Midnight Specify Actual Hours Worked _____ HRS.						
DRILLER	<u>Frank Sabatini</u>					
DERRICK	<u>1000 ft.</u>					
MOTOR	<u>1000 ft.</u>					
FLOOR	<u>1000 ft.</u>					
FLOOR	<u>1000 ft.</u>					
FIREMAN						
EXTRA						
INJURIES:						
FIRES:						
FROM <u>4036</u> FOOTAGE <u>46</u> TO <u>4082</u> HRS. ON BOTTOM <u>2</u> WT. DRILL STRING (1000 LBS.) <u>900</u> DRILL COLLARS NO. <u>22</u> O.D. <u>6 1/2</u> I.D. <u>2 1/4</u> WGT. <u>2 1/4</u> FUEL GALS. <u>2</u> BOILER HRS. <u>2</u> DRILL PIPE SIZE <u>5</u> STANDS <u>37</u> SINGLES						
BITS NO. <u>5</u> SIZE <u>8 1/2</u> TYPE <u>1 1/2</u> SIZE JETS <u>3 1/4</u> SERIAL NO. <u>28478</u> WEIGHT <u>16</u> R.P.M. <u>70</u> FT. DRLD. <u>1 1/2</u> DEPTH IN <u>1 1/2</u> HRS. <u>2</u> DEPTH OUT <u>1 1/2</u> CONDITION <u>1 1/2</u> D. COLLARS <u>1 1/2</u> OTHER FT. <u>1 1/2</u> C.B. FT. <u>1 1/2</u> SUBS. FT. <u>1 1/2</u> FT. UP ON KELLY <u>1 1/2</u> TOTAL <u>1 1/2</u>						
MUD 4 P.M. <u>12</u> 6 P.M. <u>12</u> 8 P.M. <u>12</u> 10 P.M. <u>12</u> ADDITIVES <u>12</u> AT SURVEYS DEGREE <u>12</u> MOTOR HOURS <u>12</u> NEXT OIL CHANGE <u>12</u>						
WEIGHT <u>12</u> VISCOSITY <u>12</u> GEL <u>12</u>						
PUMPS NO. 1 PRES-SURE <u>1000</u> MODEL <u>1000</u> S.P.M. <u>1000</u> LINDER SIZE <u>1000</u> NO. 2 PRES-SURE <u>1000</u> MODEL <u>1000</u> S.P.M. <u>1000</u> LINDER SIZE <u>1000</u>						
GENERAL W.L. <u>10.8</u> F.C. <u>10.8</u> PH. <u>10.8</u>						

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 _____

CASCADE DRILLING

Company Limited

DAILY DRILLING REPORT

CONSERVATION BOARD

DAY WORK RECORD

THIS IS 12 DAY ON THIS WELL

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

RIG No. 412 COMPANY Cascade Drilling Co. Ltd. LOCATION Chase Lake, Ont. DATE Feb 19 1971

Tour - Midnight - 8 a.m.
Specify Actual Hours Worked HRS.

DRILLER Carl P. ...
DERRICK 1st Floor
MOTOR ...
FLOOR ...
FLOOR ...
FLOOR ...
FIREMAN
EXTRA
INJURIES:
FIRES:

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS	FUEL	BOILER	DRILL PIPE	STANDS					
3397	182	3570	7	10M 22 6 1/2 2 1/4	NO. O.D. I.D. WGT.	1.47 GAL.	1 HRS.	5" SIZE	33					
NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION			
4	8 3/4 X 16	3-14	29142	29	100	147	3392	3362	7		OK			
MUD	12 M.	2 A.M.	4 A.M.	6 A.M.	ADDITIVES	AT SURVEYS DEGREE	MOTOR HOURS	NEXT OIL CHANGE						
WEIGHT	14	14	14	14	...	3473	4	160						
VISCOSITY	21	10	20	25	...	3564	4	16						
GEL					...									
PUMPS	NO. 1	PRES-SURE	NO. 2	PRES-SURE	GENERAL									
MODEL	1000	1000	1000	1000	...									
S.P.M.	58	58	58	58	...									
LINE SIZE	1 1/2	1 1/2	1 1/2	1 1/2	...									
NO. 2	1000	1000	1000	1000	...									
S.P.M.	58	58	58	58	...									
LINE SIZE	1 1/2	1 1/2	1 1/2	1 1/2	...									

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS	FUEL	BOILER	DRILL PIPE	STANDS					
3580	91	3671	4 3/4	80M 22 6 1/2 2 1/4	NO. O.D. I.D. WGT.				33					
NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION			
4	8 3/4 X 16	3-14	29142	20	100	208	3373	3373	4 3/4		OK			
MUD	8 A.M.	10 A.M.	12 NOON	2 P.M.	ADDITIVES	AT SURVEYS DEGREE	MOTOR HOURS	NEXT OIL CHANGE						
WEIGHT	14	14	14	14	...		1	160						
VISCOSITY	21	10	20	25	...		2	16						
GEL					...		3	16						
PUMPS	NO. 1	PRES-SURE	NO. 2	PRES-SURE	GENERAL									
MODEL	1000	1000	1000	1000	...									
S.P.M.	58	58	58	58	...									
LINE SIZE	1 1/2	1 1/2	1 1/2	1 1/2	...									
NO. 2	1000	1000	1000	1000	...									
S.P.M.	58	58	58	58	...									
LINE SIZE	1 1/2	1 1/2	1 1/2	1 1/2	...									

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS	FUEL	BOILER	DRILL PIPE	STANDS					
3771	121	3792	7	82M	NO. O.D. I.D. WGT.				34					
NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION			
4	8 3/4 X 16	3-14	29142	20	100	147	3382	3382	7		OK			
MUD	4 P.M.	6 P.M.	8 P.M.	10 P.M.	ADDITIVES	AT SURVEYS DEGREE	MOTOR HOURS	NEXT OIL CHANGE						
WEIGHT	14	14	14	14	...	3680	1 1/2	176						
VISCOSITY	21	10	20	25	...		2	16						
GEL					...		3	16						
PUMPS	NO. 1	PRES-SURE	NO. 2	PRES-SURE	GENERAL									
MODEL	1000	1000	1000	1000	...									
S.P.M.	58	58	58	58	...									
LINE SIZE	1 1/2	1 1/2	1 1/2	1 1/2	...									
NO. 2	1000	1000	1000	1000	...									
S.P.M.	58	58	58	58	...									
LINE SIZE	1 1/2	1 1/2	1 1/2	1 1/2	...									

REMARKS	START	STOP	INTERVAL
Drill 2 1/2 hole	800	845	45
Rig service OK ROPS	845		
Happy little	900		
Drill	900	100	100
Shift for mud rig	100	300	200
Make ROPS off AT	300		
3300 clearing to RTIA	400		
Rig service OK ROPS	4.05	4.15	10
Ron in clean to bottom	4.45	4.55	10
Drilling - 100 ft.	4.05	6.09	2.04
Served	6.00	6.15	15
Drilling 100 ft	6.15	12.00	5.45

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 ...

CASCADE DRILLING

Company Limited

DAILY DRILLING REPORT

CONSERVATION BOARD

DAY WORK RECORD

RIG No. 216 COMPANY Cascade Drilling Co. LOCATION Wash. Co. Alaska DATE 7-11-71 19 71

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

Tour - Midnight - 8 a.m.
Specify Actual Hours Worked HRS.

DRILLER Carl Petersen
DERRICK Hyd. H-100
MOTOR General Motors
FLOOR General Motors
FLOOR General Motors
FIREMAN
EXTRA
INJURIES
FIRES

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO. O.D. I.D. WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE	STANDS SINGLES				
2465	17	2552	2	70000	2 1 1/2			5"	20				
B	NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION	D. COLLARS
I	3	3 3/4	X 16	2-14	29123	15	80	17	2405	2		RNG	6-00-02
T													OTHER FT.
S													C.B. FT.
MUD													
WEIGHT													
VISCOSITY													
GEL													
PUMPS													
NO. 1 PRES-SURE													
MODEL S.P.M.													
LINER SIZE													
NO. 2 PRES-SURE													
MODEL S.P.M.													
LINER SIZE													
GENERAL													
W.L. F.C. pH.													

REMARKS	START	STOP	INTERVAL
5' 1" Dr. & 1" 1/2" Dr.	12:00	12:00	1/2
1" 1/2" Dr. & 1" 1/2" Dr.	12:00	1:00	1
1" 1/2" Dr. & 1" 1/2" Dr.	1:00	2:00	1
1" 1/2" Dr. & 1" 1/2" Dr.	2:00	3:00	1
1" 1/2" Dr. & 1" 1/2" Dr.	3:00	4:00	1
1" 1/2" Dr. & 1" 1/2" Dr.	4:00	5:00	1
1" 1/2" Dr. & 1" 1/2" Dr.	5:00	6:00	1
1" 1/2" Dr. & 1" 1/2" Dr.	6:00	7:00	1
1" 1/2" Dr. & 1" 1/2" Dr.	7:00	8:00	1
1" 1/2" Dr. & 1" 1/2" Dr.	8:00	9:00	1
1" 1/2" Dr. & 1" 1/2" Dr.	9:00	10:00	1
1" 1/2" Dr. & 1" 1/2" Dr.	10:00	11:00	1
1" 1/2" Dr. & 1" 1/2" Dr.	11:00	12:00	1

Tour - 8 a.m. - 4 p.m.
Specify Actual Hours Worked HRS.

DRILLER Frank Schmidt
DERRICK Hyd. H-100
MOTOR General Motors
FLOOR General Motors
FLOOR General Motors
FIREMAN
EXTRA
INJURIES
FIRES

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO. O.D. I.D. WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE	STANDS SINGLES				
2552	248	2800	7	12000	2 1/2 2 1/4			5"	23				
B	NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION	D. COLLARS
I	3	3 3/4	X 16	3-14	29123	15	86	335	2465	9			22-620-02
T													OTHER FT.
S													C.B. FT.
MUD													
WEIGHT													
VISCOSITY													
GEL													
PUMPS													
NO. 1 PRES-SURE													
MODEL S.P.M.													
LINER SIZE													
NO. 2 PRES-SURE													
MODEL S.P.M.													
LINER SIZE													
GENERAL													
W.L. F.C. pH.													

Drill	8:00	8:15	1/4
Drill	8:15	9:00	3/4
Drill	9:00	9:15	1/4
Drill	9:15	11:00	1 3/4
Drill	11:00	12:45	1 3/4
Drill	12:45	3:15	3 3/4
Drill	3:15	3:30	1/4
Drill	3:30	4:00	1/2

Tour - 4 p.m. - Midnight
Specify Actual Hours Worked HRS.

DRILLER Earl Christ
DERRICK Hyd. H-100
MOTOR General Motors
FLOOR General Motors
FLOOR General Motors
FIREMAN
EXTRA
INJURIES
FIRES

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO. O.D. I.D. WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE	STANDS SINGLES				
2800	230	3030	1 1/2	14000	2 1/2 2 1/4			5"	16				
B	NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION	D. COLLARS
I	3	3 3/4	X 16	3-14	29123	15	90	335	2465	1 1/2			22-620-02
T													OTHER FT.
S													C.B. FT.
MUD													
WEIGHT													
VISCOSITY													
GEL													
PUMPS													
NO. 1 PRES-SURE													
MODEL S.P.M.													
LINER SIZE													
NO. 2 PRES-SURE													
MODEL S.P.M.													
LINER SIZE													
GENERAL													
W.L. F.C. pH.													

Drill	4:00	5:15	1 1/4
Drill	5:15	5:30	1/4
Drill	5:30	7:30	2

Totco Ring on Bit No. _____ D.P. Calipered Date _____ Results _____ From Pipe Rack _____
B.O.P. Test-Operated _____ Time _____ Results _____
TOTAL CONTRACTOR TIME _____ HRS. TOOLPUSHER W. Stahmeyer
TOTAL COMPANY TIME _____ HRS. APPROVED BY D. MICK

CASCADE DRILLING

Company Limited

DAILY DRILLING REPORT

CONSERVATION BOARD

DAY WORK RECORD

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

RIG-NO. 215-39 COMPANY BOONIES OIL FIELD LOCATION BOONIES OIL FIELD DATE 15 JAN 1971

Tour - Midnight - 8 a.m.		FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS			FUEL	BOILER	DRILL PIPE	STANDS
Specify Actual Hours Worked	HRS.						NO.	O.D.	I.D.	WGT.	GALS.	HRS.	SIZE
DRILLER <u>Earl Gault</u>	4	2070	120	2190	7 1/2	67 M	22	6 1/2	2 3/8			8	5
DERRICK <u>Don Handwerker</u>	8												
MOTOR <u>Max Taylor</u>	8												
FLOOR <u>Vince Sutkowski</u>	8												
FLOOR <u>Karl Mount</u>	8												
FIREMAN													
EXTRA													
INJURIES:													
FIRES:													
Tour - 8 a.m. - 4 p.m.		FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS			FUEL	BOILER	DRILL PIPE	STANDS
Specify Actual Hours Worked	HRS.						NO.	O.D.	I.D.	WGT.	GALS.	HRS.	SIZE
DRILLER <u>Earl Gault</u>	1	2190	110	2300	7 1/4	69 M	22	6 1/2	2 3/8			7	5
DERRICK <u>Max Handwerker</u>	8												
MOTOR <u>Max Taylor</u>	8												
FLOOR <u>Max Taylor</u>	8												
FLOOR <u>Max Taylor</u>	8												
FIREMAN													
EXTRA													
INJURIES:													
FIRES:													
Tour - 4 p.m. - Midnight		FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS			FUEL	BOILER	DRILL PIPE	STANDS
Specify Actual Hours Worked	HRS.						NO.	O.D.	I.D.	WGT.	GALS.	HRS.	SIZE
DRILLER <u>Frank Schmidt</u>	4	2350	115	2465	5	10,000	22	6 1/2	2 3/8			8	5
DERRICK <u>Max Handwerker</u>	8												
MOTOR <u>Max Taylor</u>	8												
FLOOR <u>Max Taylor</u>	8												
FLOOR <u>Max Taylor</u>	8												
FIREMAN													
EXTRA													
INJURIES:													
FIRES:													

REMARKS	START	STOP	INTERVAL
Drilling w/ 15 M bit.	12.00	3.00	3
SURVEY	3.00	3.15	1/4
Drilling w/ 20-20 M	3.15	7.15	4
SURVEY	7.15	7.30	1/4
DRILL	7.30	8.15	1/2
Drill w/ 14-20 M	8.15	11.15	3 1/4
SURVEY	11.15	11.45	1/2
Drill w/ 20-20 M	11.45	3.15	3 1/2
SURVEY	3.15	3.30	1/4
Drill w/ 20-20 M	3.30	4.00	1/2
Big Surveys CR, BOPS 400 MTS			
Drill 2 3/4 hole	4.15	8.00	3 3/4
SURVEY	8.00	8.15	1/4
Drill	8.15	9.30	1 1/4
SURVEY	9.30	9.45	1/4
HOIST AND CLEAN MUD RINGS	9.45		
OFF DRILL PIPE		11.45	2
CHANGE BITS	11.45	12.00	1/4

Totco Ring on Bit No. _____ D.P. Calipered Date _____ Results _____ From Pipe Rack _____ TOTAL CONTRACTOR TIME _____ HRS. TOOLPUSHER Don Handwerker

B.O.P. Test-Operated _____ Time _____ Results _____ TOTAL COMPANY TIME _____ HRS. APPROVED BY F.M.C.N.

CASCADE DRILLING

Company Limited

DAILY DRILLING REPORT

CONSERVATION BOARD

DAY WORK RECORD

THIS IS 9 DAY ON THIS WELL

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

RIG No. 21E-39 COMPANY Gables Oil - Gas Co. LOCATION Gables Oil - Gas Co. DATE 14 JAN 1971

Tour - Midnight - 8 a.m.		FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS				FUEL	BOILER	DRILL PIPE	STANDS
Specify Actual Hours Worked							NO.	O.D.	I.D.	WGT.	GALS.	HRS.	SIZE	SINGLES
DRILLER	Earl Hunt	1451	186	1837	10	64	22	6 1/2	2 3/4					11
DERRICK	Paul HANHEIM													
MOTOR	Max Taylor													
FLOOR	Vince S. HARRIS													
FLOOR	Paul Adams													
FIREMAN														
EXTRA														
INJURIES:														
FIRES:														

Tour - 8 a.m. - 4 p.m.		FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS				FUEL	BOILER	DRILL PIPE	STANDS
Specify Actual Hours Worked							NO.	O.D.	I.D.	WGT.	GALS.	HRS.	SIZE	SINGLES
DRILLER	Earl Hunt	1637	223	1860	7	66	22	6 1/2	2 3/4					13
DERRICK	Paul HANHEIM													
MOTOR	Max Taylor													
FLOOR	Vince S. HARRIS													
FLOOR	Paul Adams													
FIREMAN														
EXTRA														
INJURIES:														
FIRES:														

Tour - 4 p.m. - Midnight		FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS				FUEL	BOILER	DRILL PIPE	STANDS
Specify Actual Hours Worked							NO.	O.D.	I.D.	WGT.	GALS.	HRS.	SIZE	SINGLES
DRILLER	Frank Schmidt	1860	210	2070	7	66	22	6 1/2	2 3/4					15
DERRICK	Vince S. HARRIS													
MOTOR	Max Taylor													
FLOOR	Vince S. HARRIS													
FLOOR	Paul Adams													
FIREMAN														
EXTRA														
INJURIES:														
FIRES:														

REMARKS	TIME		
	START	STOP	INTERVAL
CHECK RIG - 11:00 AM	12:00	12:05	1/4
Drilling - 12:00 PM	12:05	2:15	2
SURVEY	2:15	2:30	1/4
Drilling - 2:30 PM	2:30	3:30	1
SURVEY	3:30		
ON HOLE LINE (STAND PIPE)		4:15	3/4
Drilling	4:15	7:15	3
SURVEY	7:15	8:00	3/4
Drill 1/19 PM -	9:00	9:00	1
Check SERV RIG & BOSS &	9:00		
Check RIG		9:15	1/4
Drill	9:15	10:45	1 1/2
SURVEY	10:45	11:15	1/2
Drill 1/23 PM	11:15	12:15	1
SURVEY	12:15	12:30	1/4
Drill 128000	12:30	4:00	2 1/2
Drill 8 3/4 hole	4:00	4:45	3/4
Rig SURVEY & BOSS	4:45	5:15	1/2
Drill	5:15	8:00	2 3/4
94 RIG	8:00	8:15	1/4
Drill	8:15	11:00	2 3/4
94 RIG	11:00	11:15	1/4
Drill	11:15	12:00	3/4

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 _____

Company Limited

CONSERVATION BOARD

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

THIS IS 8 DAY ON THIS WELL

RIG No. 21F-39 COMPANY GORBE OIL & GAS LTD LOCATION GORLES ETAL CO. BETA K-11 DATE 13 JAN 1971

REMARKS	TIME		
	START	STOP	INTERVAL
R.9 SERV. ✓ Look + Kelly Cork	12.00	12.15	1/4
Drilling w/ 25 m	12.15	1.15	1
Survey	1.15	1.30	1/4
Drilling w/ 25 m	1.30	2.30	1
Survey	2.30	2.45	1/4
Drilling w/ 20 m.	2.45	8.00	5 1/4
HELD w/ AN WT ON L.T			
DUE TO DEVIATION.			
Done	8.00	7.45	3/4
Survey + Look for R.9	7.45		
+ Kelly Cork OK.		7.30	1/2
Run w/ 25 m	9.15	9.30	1/4
Done w/ 12 m	9.30	7.30	6
Survey	7.30	7.15	1/2
Done	7.15		
Drill 3 3/4 hole	400	9.00	4
Hoist change bit	800	9.30	1/4
Run in hole	9.30	10.15	3/4
clean 20 ft to BTH	10.15	10.45	1/2
Drill	10.45	12.00	1 1/4

TOTAL CONTRACTOR TIME _____ HRS TOOL PUSHER _____

TOTAL COMPANY TIME _____ HRS. APPROVED BY _____

THIS IS 7 DAY ON THIS WELL

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

RIG No. 712-39 COMPANY James H. & Sons LOCATION James H. & Sons DATE 12 Jan 1971

Tour - Midnight - 8 a.m.		FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS				FUEL	BOILER	DRILL PIPE	STANDS
Specify Actual Hours Worked							NO.	O.D.	I.D.	WGT.	GALS.	HRS.	SIZE	
DRILLER	Frank Gant	905		1220										
DERRICK	Don Hunsbarger													
MOTOR	Max Taylor													
FLOOR	Vince S. Thomsen													
FLOOR	Paul Iverson													
FIREMAN														
EXTRA														
INJURIES:														
FIRES:														

Tour - 8 a.m. - 4 p.m.		FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS				FUEL	BOILER	DRILL PIPE	STANDS
Specify Actual Hours Worked							NO.	O.D.	I.D.	WGT.	GALS.	HRS.	SIZE	
DRILLER	Carl Cooper	905												
DERRICK	Mike Huer													
MOTOR	Brian Cooper													
FLOOR	Carl Butz													
FLOOR	Bernard Erickson													
FIREMAN														
EXTRA														
INJURIES:														
FIRES:														

Tour - 4 p.m. - Midnight		FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS				FUEL	BOILER	DRILL PIPE	STANDS
Specify Actual Hours Worked							NO.	O.D.	I.D.	WGT.	GALS.	HRS.	SIZE	
DRILLER	Frank Schmidt	905	145	1050	2 1/2	55000	32	63/8	2 1/2					
DERRICK	Wayne Clouse													
MOTOR	Wayne Clouse													
FLOOR	Don Clouse													
FLOOR	Wayne Clouse													
FIREMAN														
EXTRA														
INJURIES:														
FIRES:														

REMARKS	TIME	
	START	STOP
WORK ON FLOOR LINE	12:00	
PURGE LINE MANIFOLD		
INSTALL NEW VALVE IN LINE		
HOOK UP TO PRESS. BLIND LINES		
WORK ON HYDRAULIC LINES		
INSTALL NEW HANDLES		
PURGE 1/2" BLIND LINES		
TO MAKE 1/2" F/13 MIN.	8:00	8
FINISH HEAD UP.		
Run 1st up 13 1/4" to Pen Out	10:30	2 1/2
PRESSURE TEST PIPE LINES	10:30	
TO 1.00 PSI FOR 5 MIN.		
PRESSURE TEST HEADLINE TO		
1.00 PSI FOR 15 MIN. O.K.	11:30	1
DRILLING	11:30	3 1/2
PRESSURE TEST HEADLINE TO		
TO 2.75 PSI FOR 15 MIN.	3:05	1/4
DRILLING	3:05	4:00
Check Valley creek O.K.		8
Run 2nd up 9" to 465	4:00	
Measure O.D. of Pipe		
Pick up 10 O.D. steel		
to 401/2	9:15	5 1/4
Drill 2 3/4" hole	9:15	11:15
940' run	11:15	11:30
Drill	11:30	12:00

Company Limited

THIS IS 6 DAY ON THIS WELL

DAY WORK RECORD

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

RIG No. 71E-39 COMPANY CABLES AND GAS LTD. LOCATION CABLES SET AND GELATIN K-01 DATE 11 Jan 1971

Tour - 4 p.m. - Midnight		FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS				FUEL	BOILER	DRILL PIPE	STANDS		
Specify Actual Hours Worked	HRS.						NO.	O.D.	I.D.	WGT.	GALS.	HRS.	SIZE	SINGLES		
DRILLER	FRANK SCHMIDT	BITS	NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION	D. COLLARS	
DERRICK	WYNN STONE															OTHER FT.
MOTOR	WYNN STONE															C.B. FT.
FLOOR	WYNN STONE															SUBS. FT.
FLOOR	WYNN STONE		MUD				4 P.M.	6 P.M.	8 P.M.	10 P.M.	ADDITIVES	AT SURVEYS DEGREE	MOTOR HOURS	NEXT OIL CHANGE	FT. UP ON KELLY	
FLOOR	WYNN STONE		WEIGHT										1	242 8	230	
FLOOR	WYNN STONE		VISCOSITY										2	243 0	230	
FIREMAN			GEL										3	244 0	110	
EXTRA		PUMPS	NO. 1	PRES-SURE									4	245 0	110	
INJURIES:			MODEL	S.P.M.										5	1300 24	230
FIRE:				LINER SIZE			SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP	FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP	
			NO. 2	PRES-SURE												
			MODEL	S.P.M.		GENERAL										
				LINER SIZE												
		W.L.	F.C.	p.H.												

[illegible]

TOOLPUSHER James H. Hensley
APPROVED BY R. M. H.

CASCADE DRILLING

Company Limited

DAILY DRILLING REPORT

CONSERVATION BOARD

DAY WORK RECORD

THIS IS 3 DAY ON THIS WELL

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

RIG No. 24E-39 COMPANY CARLES OIL & GAS LTD LOCATION CARLES (12) R-01 DATE 8 JAN 1971

Tour - Midnight - 8 a.m.		FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS			FUEL	BOILER	DRILL PIPE	STANDS
Specify Actual Hours Worked	HRS.						NO.	O.D.	I.D.	WGT.	GALS.	HRS.	SIZE
DRILLER	4	465	81	546	3 1/4	50	14	6 1/2	2 3/4		5	5	5"
DERRICK	8												
MOTOR	8												
FLOOR	8												
FLOOR	8												
FLOOR	8												
FIREMAN													
EXTRA													
INJURIES:													
FIRES:													

Tour - 8 a.m. - 4 p.m.		FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS			FUEL	BOILER	DRILL PIPE	STANDS
Specify Actual Hours Worked	HRS.						NO.	O.D.	I.D.	WGT.	GALS.	HRS.	SIZE
DRILLER	4	546	100	646	6	58	14	6 1/2	2 3/4		7	5	5"
DERRICK	4												
MOTOR	4												
FLOOR	4												
FLOOR	4												
FLOOR	4												
FIREMAN													
EXTRA													
INJURIES:													
FIRES:													

Tour - 4 p.m. - Midnight		FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS			FUEL	BOILER	DRILL PIPE	STANDS
Specify Actual Hours Worked	HRS.						NO.	O.D.	I.D.	WGT.	GALS.	HRS.	SIZE
DRILLER	8	646	126	772	7 1/4	58	14	6 1/2	2 3/4		7	5	5"
DERRICK	8												
MOTOR	8												
FLOOR	8												
FLOOR	8												
FLOOR	8												
FIREMAN													
EXTRA													
INJURIES:													
FIRES:													

REMARKS	START	STOP	INTERVAL
Drilling	12.00	2.00	2
SURVEY	2.00	2.30	1/2
Rig SERV.	2.30	2.50	1/2
Drill	2.50	3.00	1/2
Horst For R.T.	3.00	4.00	1
Fuel Pump / Motor on boiler	4.00		
Quit. Thru Lines + THRUUG. 5.30	5.30		
Run in Hole + Break Circ.	5.30	6.30	1 1/2
Drill	6.30	8.00	1 1/2
THRU OUT WATER LINES	8.00	9.45	3/4
Drill	9.45	10.30	1 3/4
Control SURVEY (1/2) See Rig.	10.30	11.00	1/2
Drill	11.00	11.45	3/4
CHANGE 100M Post + Initial	11.45	12.00	1/2
Drill 17 1/2 HRS w/ 14M. WTS	12.00		
Drill 17 1/2 hole	4.00	5.15	1 1/4
SURVEY Rig SERV.	5.15	5.45	1/2
Drill w/ 1400 WTS	5.45	11.00	5 1/4
SURVEY	11.00	11.15	1/4
Drill	11.15	12.00	3/4

Torco 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 _____

CASCADE DRILLING

Company Limited

DAILY DRILLING REPORT

CONSERVATION BOARD

DAY WORK RECORD

THIS IS 2 DAY ON THIS WELL

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

RIG No 21E-39 COMPANY *Boyle Oil & Gas Ltd* LOCATION *Boyle's Colibeta K-01* DATE *JAN 7* 1971

Tour - Midnight - 8 a.m.

Specify Actual Hours Worked *4 1/2* HRS.

DRILLER *Earl Gunt*

DERRICK *Don Hunkemiller*

MOTOR *Max Taylor*

FLOOR *Wade S. Hunkemiller*

FLOOR *Paul N. Hunkemiller*

FIREMAN

EXTRA

INJURIES:

FIRES:

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS	FUEL	BOILER	DRILL PIPE	STANDS
49	113	16 1/2	3 1/4	1000	12	8	9	16	SINGLES
NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.
12	17 1/2	OSC3		R.R.	12	1000	16 1/2	0	3 1/4
MUD 12 MN. 2 A.M. 4 A.M. 6 A.M. ADDITIVES <i>WAT SURVEYS DEGREE</i> MOTOR HOURS <i>1</i> NEXT OIL CHANGE									
WEIGHT <i>97</i> <i>19</i>									
VISCOSITY <i>141</i> <i>15</i>									
GEL									
PUMPS NO. 1 PRES. SURE <i>100</i> NO. 2 PRES. SURE <i>100</i>									
GENERAL <i>Flow line changed twice mud to take</i>									

Tour - 8 a.m. - 4 p.m.

Specify Actual Hours Worked *1 1/2* HRS.

DRILLER *Earl Gunt*

DERRICK *Lyle Huff*

MOTOR *Frank Gunt*

FLOOR *Gerry Butz*

FLOOR *Gerald Gunt*

FIREMAN

EXTRA

INJURIES:

FIRES:

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS	FUEL	BOILER	DRILL PIPE	STANDS
162	151	313	15:00	1000	2	8	8	16	SINGLES
NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.
1A	17 1/2	OSC3		R.R.	12	1000	313	0	1 1/2
MUD 8 A.M. 10 A.M. 12 NOON 2 P.M. ADDITIVES <i>WAT SURVEYS DEGREE</i> MOTOR HOURS <i>1</i> NEXT OIL CHANGE									
WEIGHT <i>230</i> <i>1/2</i>									
VISCOSITY <i>236</i> <i>1/2</i>									
GEL									
PUMPS NO. 1 PRES. SURE <i>100</i> NO. 2 PRES. SURE <i>100</i>									
GENERAL <i>SANDUST IN FLOW 550</i>									

Tour - 4 p.m. - Midnight

Specify Actual Hours Worked *3 1/2* HRS.

DRILLER *Frank Schmidt*

DERRICK *Walter Gunt*

MOTOR *Harry Gunt*

FLOOR *Doug Gunt*

FLOOR *Greg Gunt*

FIREMAN

EXTRA

INJURIES:

FIRES:

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS	FUEL	BOILER	DRILL PIPE	STANDS
313	152	465	7 1/2	1000	12	8	8	16	SINGLES
NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.
1A	17 1/2	OSC3		R.R.	12	1000	465	18	3 1/2
MUD 4 P.M. 6 P.M. 8 P.M. 10 P.M. ADDITIVES <i>WAT SURVEYS DEGREE</i> MOTOR HOURS <i>1</i> NEXT OIL CHANGE									
WEIGHT <i>240</i> <i>3/4</i>									
VISCOSITY <i>245</i> <i>1/2</i>									
GEL									
PUMPS NO. 1 PRES. SURE <i>100</i> NO. 2 PRES. SURE <i>100</i>									
GENERAL									

REMARKS	START	STOP	INTERVAL
Drill	12:00	12:30	1/2
Work on air lines	12:30	2:30	2
Drill	2:30	3:00	1/2
Survey	3:00	3:20	1/2
Drill	3:20	4:00	1/2
Clear Flowline & Survey	4:00	6:15	2 1/4
Drill	6:15	7:15	1
SURVEY	7:15	7:45	1/2
Drill	7:45	8:00	1/4
Drill	9:00	9:00	1
Clear Flowline	9:00	9:20	1/2
Drill	9:30	11:30	2
SURVEY	11:30	11:45	1/4
SERV. RIG	11:45	12:00	1/4
Drill	12:00	2:45	2 3/4
SURVEY	2:45	3:00	1/4
Drill	3:00	4:00	1
Drill 17 1/2 hole	4:00	5:15	1 1/4
SURVEY	5:15	5:30	1/2
Drill 7000 W.T.	5:30	9:00	3 1/2
SURVEY	9:00	9:15	1/4
Drill	9:15	12:00	3 3/4

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

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

TOTAL CONTRACTOR TIME _____ HRS. TOOLPUSHER *W. Hunkemiller*

TOTAL COMPANY TIME _____ HRS. APPROVED BY *W. Hunkemiller*

THIS IS 1 DAY ON THIS WELL

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

RIG No. 212-39 COMPANY GOREL OIL & GAS LTD. LOCATION GOREL CALIPERED K-01 DATE 6 Jan 19 71

Tour - Midnight - 8 a.m.
Specify Actual Hours Worked HRS.

DRILLER Paul Gault 8
DERRICK Dan. Hunsberrich 8
MOTOR May Taylor 8
FLOOR Walter S. Kelly 8
FLOOR Paul N. Vark 8
FIREMAN
EXTRA
INJURIES
FIRES

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS				FUEL	BOILER	DRILL PIPE	STANDS																																																						
					NO.	O.D.	I.D.	WGT.	GALS.	HRS.	SIZE																																																							
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REMARKS
FINNISH PISTONS
UNLOADED GEL - CHEMICALS.
Hook up Flow Line
Rig up Pump
Rig up Flood
PH

Tour - 8 a.m. - 4 p.m.
Specify Actual Hours Worked HRS.

DRILLER Paul Gault 1
DERRICK W. H. H. H. 1
MOTOR Paul Gault 7
FLOOR Walter S. Kelly 7
FLOOR Paul N. Vark 7
FIREMAN
EXTRA
INJURIES
FIRES

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS				FUEL	BOILER	DRILL PIPE	STANDS																																																						
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REMARKS
Finished Rig up Pumps
Rig to Sand
PH

Tour - 4 p.m. - Midnight
Specify Actual Hours Worked HRS.

DRILLER Frank Schmidt 8
DERRICK Walter S. Kelly 8
MOTOR May Taylor 8
FLOOR Walter S. Kelly 8
FLOOR Paul N. Vark 8
FIREMAN
EXTRA
INJURIES
FIRES

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS				FUEL	BOILER	DRILL PIPE	STANDS																																																						
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REMARKS
Finish Rigging up 400/1000
Drill 17 1/2 hole 1100/1200
PH

