

DOME PROVO PAN AM. CSP
ALMX TROUT LK. M-73

Drilling Authority No. 239
Date Issued 9-12-66

WELL NAME Dome Provo Pan Am CSP ALMX Trout Lk N-73
FIELD Wildcat Area:
LOCATION: Unit N Section 73 Grid 60-40; 121-15
Latitude 60-32-50 Longitude 121-29-54
From Established Reference Marker

U. W. I. R. 60 54722 - 121 49833

Rig Release Date: 30-1-67

Status O-A

U. W. I. A. 300 77360 40 121150

Information Release Date

CHANGE OF NAME:

DATE RECEIVED	INDEX
9-12-66	Application for a Drilling Authority.
3-2-67	Well Completion Data.
	Well History Report.
	Application to Amend a Drilling Authority.
	Application to change a Well Name.
2-3-67	Application to Abandon a Well or Suspend Drilling.
	Application to Alter Condition of a Well.
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	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 — Victor's Method.
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	New Oil Well Report.
	New Gas Well Report.
	Well Inspection Report.
	Rig Inspection Report.
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	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. **239**

Date Issued **December 9, 1966.**

DEPARTMENT OF NORTHERN AFFAIRS AND NATIONAL RESOURCES
RESOURCES 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 **DOMS PROVO PAN AM CIP ALEX TROUT LX M-73**

Permit No. **1175**

Lease No. **N/A**

Dome Petroleum Limited, Canada Southern

Petroleum Ltd., Pan American Petroleum Corporation

1014

Dome Petroleum Limited

(Operator)

Exploratory Licence No.

1014

Location: Unit **M**

Section **73**

Grid

121°15'00"40"

Latitude **60°32'50"**

Longitude

121°29'54"

From Established Reference Marker

	DATE	DEPTH
Spudded	Jan. 5/67	
Suspended		
Resumed		
Finished Drilling	Jan. 27/67	
Deepened		
Complete (gas/oil)		
Abandoned	Jan. 29, 30	
Rig released	Jan. 31/67	T.D. 6427'

Pool (S)

Interval(s) open to production

Elevation: Gr. **1822'**

K.B. **1835'**

Drilling Contractor & Rig No. **Can Tex, Rig #6**

Contractor's Licence No. **Applied for 18119**

CASING RECORD

Casing Size (Inches)	Weight	Amount	Set at—	Sacks of Cement	Method
1. 9-5/8"	360	3-55	922'	550 + 3% Ball	
2.					
3.					
4.					
5.					
6.					

GEOLOGICAL TOPS	ELEVATION		CORE RECORD					
	Depth	Sub-Sec	From	To	Rec.	From	To	Rec.
Basff	1463'	+372'	6314	6360	45.7'			
Krashev	2200'	-365'	6360-	6398	38'			
Kotcho	2216'	-381'						
(1st Lime)	2320'	-485'						
Tetcho (2nd Lime)	3050'	-1215'						
Redknife	3690'	-1855'						
Jean Marie	4153'	-2318'						
Pt. Simpson	4218'	-2383'						
Muskwa	5720'	-3885'						
Slave Point	5772'	-3937'						
Pre-Chinchaga	6399'	-4564'						

LOG RECORD

Rm No.	Type of Log	From	To
1	Dual Induction Laterolog	922	6420'
1	Formation Density	922	6423'
1	Borehole Compensated Somic	922	6420'
1	SRS	922	6420

Department of Indian Affairs and Northern Development
Resource & Economic Development Group



RESOURCE MANAGEMENT DIVISION

Application to Abandon a Well or Suspend Drilling

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

Name and number of well **SOME PETROLEUM LTD. AS O.P. ALMA TECT. LK B-73.**
Location: Unit **B** Section **73** Grid **121° 33' 40" 40"**
Latitude **60° 22' 30"** Longitude **121° 29' 34"**
From Established Reference Marker

Permit No. **1173.** Lease No. **R/A**

SOME PETROLEUM LIMITED.
(Production, Leasehold, License)

Date of commencement of proposed program **January 29, 1967.**

OIL, GAS, AND WATER ENCOUNTERED
(Depths)

Oil at **-**
Gas at **-**
Water at **6394'**
Total Depth **6427'** Date of last operations **January 30, 1967.**
Present condition of well **Abandoned.**

CASING RECORD

Casing Size O.D. Inches	Weight	Amount	Set At—	Batch of Cement and Additives	Amount Pulled
1. 9-2/8"	362	927.20'	922' K.B.	550 + 3L CaCl₂	Nil
2.					
3.					
4.					
5.					

PROPOSED ABANDONMENT PROGRAM

No.	Flag	Geological Formation	Number of Sacks of Cement	Remarks
1.	6427' - 6394'		55	
2.	978' - 876'	50' above and below surface casing.	85	
3.	Surface		5	

The following logs have been run **Schlumberger Dual Induction Laterolog; Compensated Density log;**
Other operations proposed **- Nil.** **SRS; Borehole Compensated Sonic log.**

Operations to be carried out by **Con-Tex Drilling.** Contractor Licence No. **16119.**
Address **320 - 7 Avenue S.W., Calgary, Alberta.** Address
Responsible Agent in field **Don Yoste.**
Dated at **Calgary, Alberta**, this **27th** Day of **February**, 19**67.**
Signed by **[Signature]** Company **SOME PETROLEUM LIMITED.**
Title **Drilling Supt.** Operator's Exploratory Licence No. **1014.**

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

(For RESOURCE MANAGEMENT DIVISION use only)

APPROVAL

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

Confirming Oral Approval given by B.H.J. Thoms, on 23-1-67.

Dated **March 2,** 19 **67**

[Signature]
Oil Conservation Engineer

Forms to be submitted in triplicate to Oil Conservation Engineer, Calgary, Alberta



**DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
RESOURCE & ECONOMIC DEVELOPMENT GROUP**

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 **DOM PETRO HAS AN OIL WELL TRUST LK B-73.**
Location: Unit **B** Section **73** Grid **121° 13' 40" 40".**
Latitude **60° 22' 30"** Longitude **121° 29' 54"**
From Established Reference Marker

Elevation: Ground **1230' Est.** K.R. **1844' Est.** feet above sea-level.
Well is expected to produce from **Middle Devonian** formation at a depth
of about **7000** feet.
Area assigned to well

(See Oil Conservation Engineer's use only)

Permit No. **2175.** Lease No. **N/A.** Acreage **62,090.**
Permitter, licensee, or lessee **Dom Petroleum Limited; Pan American Petroleum Corporation;**
Exploratory Licence No. **1014.** **Canada Northern Petroleum Ltd.**
Surface owned by Crown or **Crown - No Disposition.**
(If situated within same and address of owner and occupant.)
Petroleum and natural-gas rights owned by **Crown - Canada.**

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	Brand	New or Used	Estimated Depth	Grade of Cement
1. 9-5/8"	340	J-55	Stamcor	New	900	To Surface.
2. 7"	220 & 240	J-55	Stamcor	New	7000	400 Shells.
3.						
4.						
5.						

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

Slave Point and/or Elk Point
Approx. 6000' App. at 6500'

Hydril and Shaeffer double-gated blowout preventor

Well will be drilled with (Rotary) Rig No. **6** by **Can-Tec Drilling & Exploration Ltd.**
(Cable) (Drilling Contractor or company)

Responsible agent of applicant:— Contractor's Business Licence No. **Applied for.**
At well **G. Grabher** At registered office **E.R. Towell,**
Address **Fort Nelson, B.C.** Address **706 - 7 Avenue S.W., Calgary, Alberta.**
It is understood that if changes become necessary, notice of the change of plan will be submitted.
Dated at **Calgary, Alberta**, this **9th** day of **December**, 19**66**.
Signed by **E.R. Towell** Company **Dom Petroleum Limited**
Title **Drill. Sup't.** Operator's Licence No. **1014.**

(For Resource Management Division use only)

APPROVED

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

The Company will submit to this office, on Tuesday of each week,
the latest reports received by radio on the progress of the well.

Dated **9th December** 19**66**

B. J. Thomas
Oil Conservation Engineer

Forms to be submitted to Oil Conservation Engineer, Calgary, Alberta.

WELL HISTORY REPORT

DOME PROVO PAN AM CSP ALIX TROUT
LK M-73

Dome Petroleum Limited

Dome Petroleum Limited

DOME PROVO PAN AM CSP ALMX TROUT LK M-73



Helton Engineering Ltd.
Calgary, Alberta

Helton Engineering Ltd.

CONSULTING PETROLEUM ENGINEERS AND GEOLOGISTS

1380 GUINNESS HOUSE

CALGARY, ALBERTA

February 7, 1967.

Dome Petroleum Limited,
706 - 7th Avenue S.W.,
CALGARY, Alberta.

Re: DOME PROVO PAN AM CSP ALMX TROUT LK M-73
Unit M, Section 73, Grid 50° 40', 121° 15' N.W.T.

Dear Sirs:

Enclosed herewith is a summary of the pertinent drilling and geological details for the subject well.

The well was spudded at 10:45 A.M., January 5, 1967, and was drilled primarily as a test of the Slave Point and the Keg River formations. There was no porosity development in the Slave Point. The basal Middle Devonian carbonate was tested and yielded 615 feet of brackish salt water.

The well was plugged and abandoned, and the rig released at 12 Noon, January 31, 1967.

Wellsite geological supervision was performed by Mr. Donald Foote of Helton Engineering Ltd., under the direction of Mr. Al. Bryant of Dome Petroleum Ltd. Wellsite engineering was handled by Mr. John Dye of Dome Petroleum Ltd.

We thank you for the opportunity of serving your company.

Yours very truly,

HELTON ENGINEERING LTD.

K.F. Sanderson
K.F. Sanderson, P. Geol.

KFS:mjw

DOME PROVO PAN AM CSP ALMX TROUT LK M-73

WELL DATA SUMMARY

Name: Dome Provo Pan Am Csp Almx Trout Lake M-73

Location: Unit M, Section 73, Grid 60° 40', 121° 15' N.W.T.
Lat 60° 32' 00" N Long 121° 24' 00" W

Elevation: Ground 1822 K.B. 1835

Total Depth: Driller 6427 - Schlumberger 6424

Status: Plugged and Abandoned

Spud Date: January 5, 1967 - 10:45 A.M.

Rig Release: January ³⁰ 31, 1967 - 12 Noon

Surface Casing: Ran 31 joints of 9-5/8", 36#, J-55 short thread and collar, landed at 922' K.B., cemented with 550 sacks plus 3% CaCl₂.

Cores: Core #1: 6314-6360 - Recovered 45.7' (Muskeg)

Core #2: 6360-6398 - Recovered ³⁸ 28' (Muskeg and Keg River Pre-Chincaga)

Core #3: 6398-6398.6 - No recovery (Pre-Chincaga)

Tests: Drill Stem Test #1: 6354-6427 (Keg River)
Prewell 1 minute, SI 30 minutes, VO 60 minutes, SI 60 minutes. Tool opened with weak blow and maintained weak blow throughout. Recovered 615' brackish salt water. Pressures:
IHP 3062 IFP 96 ISI 2495 } Field pressures
FHP 3062 FFP 320 FSI 2432
BHT 160°

Hole Size: 13 3/4" - 0' - 922'
8 3/4" - 922' - 6427'

Classification: Wildcat

Well Data Summary Continued

Logs:

Schlumberger - 11/1/66 422 6424
Schlumberger
Dual Induction Laterolog
2", 922 to 6424; 5", 2100 to 6424

Compensated Density Log
5", 922 to 6424; 25" - 6300 to 6400

Borehole Compensated Sonic
2", 922 to 6420; 5" - 2170 to 6420
25" 6380 - 6420

Abandonment Plugs: Plug #1 - 6427-6300 with 55 sacks construction cement, felt at 6280 after 8 hours.

Plug #2 - 970- 870 with 85 sacks of construction cement *2% C.F., 1.1 lb. C.F. 450'.*

Plug #3 - 5 sacks at the surface

Drilling Contractor:

Can-Tex Rig #6, James Micklos - tool pusher

Wellsite Geologist:

Donald L. Foote, Helton Engineering Ltd.

Permittees: Dome Petroleum Limited
Pan American Petroleum Corporation
Canada Southern Petroleum Ltd.

Operator: Dome Petroleum Limited

Permit: No. 1175

Drilling Authority: 239 *Issued December 9, 1966*

Completed Drilling: January 26, 1967

Water Analysis: C67-1298-3 DST#, 6354-6427 Bottom

HOME PROVO PAN AM CSP ALMX TROUT LK M-73

ELECTRIC LOG TOPS

K.B. Elevation 1835

<u>Formation</u>	<u>Log Top</u>	<u>Subsea</u>
Banff	1463	+ 372
Exshaw	2200	- 365
Kotcho	2216	- 381
(1st Lime)	2320	- 485
Tetcho (2nd Lime)	3050	-1215
Trout River		
Redknife	3690	-1855
Jean Marie	4153	-2318
Ft. Simpson	4218	-2363
Muskwa	5720	-3885
Slave Point	5772	-3937
Pre-Chinchaga	6399	-4564
Total Depth	6424	-4589
Driller	6427	-4592

HELTON ENGINEERING LTD
WELLSITE SAMPLE DESCRIPTION

WEL. NAME Dome - Ekove - Penn Am. CSP TREAT LAKE A-73 SHEET NO. 1
LOCATION Unit M, Sec 73, Ord 6042, 181°15' NHT. DATE JAN 31/67

LITHOLOGY	DEPTH	SHOWS		SAMPLE DESCRIPTION
		FOSSILS	STAIN	
	10			Glacial fill
	20			AA
	30			AA
	40			AA
	50			AA
	60			AA
	70			AA
	80			AA
	90			AA
	100			AA
	10			AA
	20			AA
	30			AA
	40			AA
	150			AA
	60			AA
	70			AA
	80			AA
	90			AA
	200			AA
	10			AA
	20			AA
	30			AA
	40			AA
	250			AA
	60			AA
	70			AA
	80			AA
	90			sh. dk. gray
	300			AA
	10			AA
	20			AA
	30			AA
	40			AA w/ glz
	350			AA
	60			AA
	70			AA
	80			AA
	90			AA w/ fish frags
	400			sh. dk. gray w/ glz
	10			AA
	20			AA
	30			AA
	40			sh. dk. gray
	150			AA

HELTON ENGINEERING LTD.
WELLSITE SAMPLE DESCRIPTION

WELL NAME Dome Point - Pan Am - CSP - ALAR TROUT LAKE #1-73
LOCATION Unit M, Sec 73, Grid 62°46', 121°15' NWT.

SHEET NO. 2
DATE JAN 31/67

LITHOLOGY	DEPTH	SPECIES		SAMPLE DESCRIPTION
		FOROS	STAIN	
	460			sh, dk. grey
	70			AA
	80			AA
	90			AA
	500			AA
	10			AA
	20			AA
	30			AA
	40			AA
	550			AA
	60			AA
	70			AA
	80			AA
	90			AA
	600			AA
	10			AA
	20			AA - /ss, with no green spots, for grey
	30			AA
	40			AA
	650			AA
	60			AA
	70			AA
	80			AA
	90			AA
	700			AA
	10			AA
	20			AA
	30			AA
	40			AA
	750			AA
	60			AA
	70			AA
	80			AA
	90			AA
	800			AA
	10			sh, dk. grey - /ss, for med grey angular
	20			AA
	30			AA
	40			sh, dk. grey
	850			AA
	60			AA
	70			AA
	80			AA
	90			AA
	900			AA

D. L. Foot

HELTON ENGINEERING LTD.
WELLSITE SAMPLE DESCRIPTION

WELL NAME Darwin - Fries - Parker - CSP - Almix

TEEDOT LAKE H-73

SHEET NO. 3

LOCATION _____

DATE Jan 31/67

LITHOLOGY	DEPTH	SHOWS		SAMPLE DESCRIPTION
		PODS	STAIN	
	960			sh. dk. gray
	70			AA
	80			AA
	90			AA
	1000			AA
	10			AA
	20			AA
	30			AA
	40			AA
	1050			AA
	60			AA
	70			AA
	80			AA
	90			AA
	1100			AA
	10			AA
	20			AA
	30			AA
	40			AA
	1150			AA
	60			AA
	70			AA
	80			AA
	90			AA
	1200			AA
	10			AA
	20			AA - 1.5% silty sh. dk. gray
	30			AA
	40			AA
	1250			AA
	60			sh. dk. gray w/ sh. very lt. gray
	70			AA
	80			AA
	90			AA
	1300			AA
	10			AA
	20			AA
	30			AA
	40			AA
	1350			AA
	60			AA
	70			AA
	80			AA
	90			AA
	1400			AA

HELTON ENGINEERING LTD
WELLSITE SAMPLE DESCRIPTION

WELL NAME *Doria - Pineda - San Juan - CSP. ALUX. TROUT CREEK 11-73*
LOCATION *Quil 11, Sec 73, Cora 60-40, 121° 15' NWT*

SHEET NO. *4*
DATE *JAN 31/67*

LITHOLOGY	DEPTH	S.M.O.S.		SAMPLE DESCRIPTION
		PLUGS	STARS	
	1410			sh. ll. drk. gray
	20			AA
	30			AA
	40			AA w/lt. drk. gray
	1450			AA w/lt. drk. gray, coarse s. l. sh.
	60			sh. ll. drk. gray w/lt. drk. gray, coarse s. l. sh.
	70			ss, wh. gray, brk, s. l. sh., angular, poorly sorted, sl. calc.
	80			AA
	90			AA
	1500			sh. drk. gray w/lt. drk. gray, coarse s. l. sh.
	10			AA
	20			sh. drk. gray w/lt. drk. gray, coarse s. l. sh.
	30			ss, lt. gray, coarse s. l. sh.
	40			AA
	1550			AA
	60			AA
	70			AA
	80			AA
	90			AA
	1600			AA w/lt. drk. gray
	10			ss, coarse wh. gray w/lt. drk. gray
	20			AA
	30			AA
	40			AA
	1650			AA
	60			sh. drk. gray w/lt. drk. gray, coarse s. l. sh.
	70			AA
	80			AA
	90			AA
	1700			AA w/lt. drk. gray
	10			AA
	20			AA
	30			AA
	40			AA
	1750			AA
	60			sh. drk. gray - lt. gray, sl. sh.
	70			AA
	80			AA
	90			AA
	1800			AA
	10			AA
	20			AA
	30			AA w/lt. drk. gray - wh. s. l. sh., brk, s. l. sh.
	40			ss, coarse wh. gray, brk, s. l. sh., sh. calc.
	1850			AA

HELTON ENGINEERING LTD
WELLSITE SAMPLE DESCRIPTION

WELL NAME Doris-Puma-Paulin-CST-Alar TEST CASE # 73
LOCATION Unit 73, Sec 73, Grid 60°40', 12°15' NWT

SHEET NO. 5
DATE Jan 31/67

LITHOLOGY	DEPTH	SMOKE		SAMPLE DESCRIPTION
		FORUS	STAIN	
	1860			
	70			
	80			
	90			
	1900			
	10			
	20			
	30			
	40			
	1950			
	60			
	70			
	80			
	90			
	2000			ss, wh. cry. ls. qtz, brn, bita, w/sh. dk. grey
	10			AA
	20			AA
	30			AA
	40			AA
	2050			sh. dk. grey w/sh. ss. AA w/sh. siderite
	60			AA
	70			sh. lt. grey
	80			AA
	90			sh. grey, w/sh. ss. grey, ls. qtz, brn, bita
	2100			AA
	10			AA w/pyrite
	20			sh. dk. brn, bituminous, w/sh. ls. brn, argill.
	30			AA w/pyrite
	40			AA w/sh. ls.
	2150			sh. dk. brn-black, blocky, bituminous, w/pyrite w/sh. lt. grey
	60			AA
	70			AA w/chert, brn, pyritized
	80			AA
	90			sh. lt. dk. grey w/sh. AA w/ls. brn
	2200			AA w/siderite
	10			sh. lt. dk. grey, w/sh. dk. brn
	20			sh. grey, green
	30			AA
	40			AA
	2250			AA
	60			AA w/annular stems, pyrite
	70			AA
	80			AA
	90			AA
	2300			AA

HELTON ENGINEERING LTD.
WELLSITE SAMPLE DESCRIPTION

WELL NAME Dona-Paula-Pan-Ara-CSP-Rock TRONT LAR M-73 SHEET NO. 6
LOCATION Unit M, Sec 13, Grid 60°12', 121°15' NWT DATE JAN 2/67

LITHOLOGY	DEPTH	Meters		SAMPLE DESCRIPTION
		Feet	Meters	
	2310			Sh. H. dk. grey w/ pyrite.
	20			AA w/te. cement. streaks
	30			AA w/te. ls. H. dk. grey. face
	40			ls. wh. buff. crin.
	2350			ls. H. grey-buff. corallo-dyn.
	60			AA w/te. crin.
	70			AA w/ pyrite
	80			AA
	90			AA
	2400			AA
	10			AA
	20			AA
	30			AA
	40			AA
	2450			sh. H. grey w/te. AA
	60			sh. H. grey
	70			AA
	80			AA
	90			AA
	2500			AA
	10			AA w/ crin. iron stained
	20			AA - - -
	30			AA
	40			AA
	2550			AA
	60			AA
	70			AA
	80			AA
	90			AA
	2600			AA
	10			AA
	20			AA
	30			sh. H. grey
	40			AA
	2650			AA
	60			AA
	70			AA
	80			AA
	90			AA
	2700			AA
	10			AA
	20			AA
	30			AA w/te. ls. wh. buff. corallo-dyn.
	40			AA
	2750			AA

HELTON ENGINEERING LTD.
WELLSITE SAMPLE DESCRIPTION

WELL NAME Delta - Ponda - Poulton - C.S.D. Area TROUT LAKE M-73 SHEET NO. 7
LOCATION Unit 14 - Sec 73, Twp 62°N, R 121°W DATE Jan 31/67

LITHOLOGY	DEPTH	SHOWS		SAMPLE DESCRIPTION
		FORUG	STAIN	
	2760			sh. H. grey w/lt. ls. m.b. buff, crypto-alya
	70			AA
	80			AA
	90			AA
	2800			AA
	10			AA
	20			AA
	30			AA
	40			AA w/lt. cement stains
	2850			sh. H. grey w/lt. H. grey, crypto-alya
	60			sh. H. grey w/lt. ls. H. grey, crypto-alya
	70			AA w/lt. cement stains, w/ pyrites
	80			sh. H. dk. grey
	90			AA w/lt. cement
	2900			AA
	10			AA
	20			AA
	30			AA
	40			AA
	2950			AA
	60			AA
	70			AA
	80			AA
	90			AA
	3000			AA
	10			AA
	20			AA
	30			AA
	40			AA
	3050			AA w/lt. dk. buff, argill. w/lt. cement T. TATE No 3045 (1205)
	60			ls. buff. grey-buff, crypto-alya
	70			sh. H. dk. grey w/lt. AA
	80			ls. AA
	90			ls. H. grey-buff, crypto-alya, dms
	3100			AA
	10			AA
	20			AA
	30			AA
	40			AA w/lt. grey, argill.
	3150			AA
	60			AA
	70			AA
	80			AA w/lt. cement
	90			ls. buff. H. grey, crypto-alya, ls. calcite,
	3200			AA

HELTON ENGINEERING LTD
WELLSITE SAMPLE DESCRIPTION

WELL NAME Darwin-Phosphate-Sub-Area-CSP-Area Trawl Loco 11-73
LOCATION Unim, Sec 73, GRID 65° 42', 121° 15' NWT

SHEET NO. 8
DATE Jan 3, 1977

LITHOLOGY	DEPTH	SIZES		SAMPLE DESCRIPTION
		PORES	STAIN	
	3210			ls. H. grey-buff-mb, crypto-alya. des.
	20			AA
	30			AA
	40			AA
	3250			AA
	60			ls. mb-buff, crypto-alya. des.
	70			AA
	80			AA
	90			AA
	3300			AA
	10			AA
	20			AA
	30			AA
	40			AA w/loc in sh. grey
	3350			ls. AA
	60			AA
	70			sh. dk. grey, w/ls. AA w/curved seams w/ pyrocl.
	80			AA
	90			sh. dk. grey
	3400			AA
	10			AA w/ls. ls. AA w/ls. calc.
	20			sh. dk. grey
	30			AA w/ls. ls. AA
	40			sh. AA
	3450			AA
	60			AA
	70			AA w/ls. ls. mb-buff, crypto-alya.
	80			AA
	90			AA
	3500			sh. dk. grey
	10			AA
	20			AA
	30			AA
	40			AA
	3550			AA w/curved w/ pyrocl.
	60			AA
	70			AA w/ls. mb-buff
	80			AA
	90			AA
	3600			sh. dk. grey, w/ls. mb-grey, crypto-alya. w/ls. grey-green w/ls. ss.
	10			AA
	20			AA
	30			AA
	40			ss, crypto-alya, mb-buff, calc, calc.
	3650			AA

(Pore Samples 3400-3600
mostly savings)

HELTON ENGINEERING LTD.
WELLSITE SAMPLE DESCRIPTION

WELL NAME Dune-Peak-Panda-CSP Block Trout Lake #13
LOCATION Unit 1, Sec 13, T10N 60W 12S, 12°15' NWT.

SHEET NO. 9
DATE Jan 3/67

LITHOLOGY	DEPTH	S.W. 1/4		SAMPLE DESCRIPTION
		FORUM	STAIR	
	3650			sh. dk. grey. w/ls, buff. dk. grey. crypt. + sly.
	70			AA
	80			AA
	90			AA w/ls. ls. tan. crypt. + sly.
	3700			sh. dk. grey. dk. brn
	10			AA
	20			ls. dk. grey. tan. crypt. + sly. w/ls. dk. grey. green
	30			AA
	40			AA
	3750			AA w/ls. dk. brn
	60			AA
	70			sh. dk. grey
	80			AA
	90			AA
	3800			sh. dk. brn. dk. grey. micaceous
	10			AA
	20			AA
	30			AA
	40			AA
	3850			AA
	60			AA
	70			AA
	80			AA
	90			AA
	3900			AA
	10			AA
	20			AA
	30			AA
	40			AA
	3950			AA
	60			AA
	70			AA
	80			AA
	90			AA
	4000			AA
	10			AA
	20			AA w/ls. ls. grey. crypt. + sly.
	30			sh. dk. grey. brn
	40			sh. dk. grey. w/ls. ls. grey. crypt. + sly.
	4050			sh. dk. grey
	60			AA
	70			AA
	80			AA
	90			AA
	4100			AA w/ls. dk. grey. crypt. + sly.

NOTE - SAMPLES LABELED
FROM 3850 - TO
SAMPLES ABOVE 3200
NOT LABELED

HELTON ENGINEERING LTD.
WELL SITE SAMPLE DESCRIPTION

WELL NAME *Daniel-Picard-Panther-CSP-4401 TROW LAKE AT-73*
LOCATION *Unit M, Sec 73, 62°10'30" N, 12°15' W.T.*

SHEET NO. *10*
DATE *Jan 3/67*

LITHOLOGY	DEPTH	SHOWS FORCS	START	SAMPLE DESCRIPTION
	4110			SKIP
	20			sh, dk grey
	30			AA
	40			AA
	0150			AA
	60			ls, dk brn-bell, cryptic-elya T. JEAN-MICHA 4150
	70			AA (23)
	80			ls, cream-bell-tan, cryptic-elya
	90			AA
	1200			AA
	10			AA
	20			sh, dk grey T. FORT SIMPSON 4215
	30			AA (23)
	40			AA
	1250			AA
	60			AA
	70			AA
	80			AA
	90			AA
	1300			AA
	10			AA
	20			AA
	30			AA
	40			AA
	1350			AA
	60			AA
	70			AA w/ sh, dk brn.
	80			AA
	90			AA
	1400			AA
	10			sh, dk grey
	20			AA w/ sh, dk brn.
	30			AA
	40			AA
	1450			AA
	60			AA
	70			ss, wh-grey, fr. grn, brd, tite, angular, poorly sorted, no Por, calc.
	80			AA w/ sh, dk grey
	90			AA w/ tr. ss, AA-pink color
	1500			sh, AA w/ tr. ss, grey, brd, tite, very shly
	10			AA
	20			sh, dk grey & dk brn
	30			AA
	40			AA w/ ss, grey-green-brn, brd, tite, no Por, calc.
	1550			AA

HELTON ENGINEERING LTD
WELLSITE SAMPLE DESCRIPTION

WELL NAME Dam. Ponds. Pan Am. CSP. Alvar. Trout Lake
LOCATION Unit 11, Sec 23, T12R 60W, R15N15W

SHEET NO. 11
DATE Jan 31/67

LITHOLOGY	DEPTH	SOUNDS		SAMPLE DESCRIPTION
		FOOT	STAMP	
	4550			sh, dk grey m/lt grey-green, bed, tile, cat, No. 1
	70			AA
	80			AA
	90			AA m/lt in ss, green
	4600			AA
	10			AA
	20			AA
	30			AA
	40			AA
	4650			AA
	60			AA
	70			AA
	80			AA
	90			AA
	4700			AA
	10			AA
	20			AA
	30			AA
	40			AA
	4750			AA
	60			AA
	70			AA
	80			AA
	90			AA
	4800			AA
	10			AA
	20			sh grey-green m/lt ss, AA
	30			AA
	40			AA
	4850			sh grey-green m/lt ss, dk green bed, tile, shly
	60			AA
	70			AA
	80			sh, dk grey-green
	90			AA
	4900			AA
	10			AA
	20			AA
	30			AA
	40			AA
	4950			AA
	60			AA
	70			AA
	80			AA
	90			AA
	5000			AA

HELTON ENGINEERING LTD
WELLSITE SAMPLE DESCRIPTION

WELL NAME Deane-Proctor-Pine-Ar-CSP-Alaska TROUT LAKE
LOCATION UNIT 1, SEC 73, T12N R15E
NWT

SHEET NO. 12
DATE Jan 3, 1962

LITHOLOGY	DEPTH	SNO-9		SAMPLE DESCRIPTION
		PURCS	STAIN	
	5010			Sh. dk. gray
	20			AA
	30			AA
	40			AA
	5050			AA
	60			AA
	70			AA
	80			AA
	90			AA
	5100			AA
	10			AA
	20			AA
	30			AA
	40			AA
	5150			AA mottled gray-green w/lt. br. green ss. tan, brk. bits, etc. Pz
	60			AA
	70			AA
	80			AA
	90			Sh. dk. gray - gray green
	5200			AA
	10			AA
	20			Sh. gray-green
	30			AA
	40			AA
	5250			AA
	60			AA
	70			AA
	80			AA
	90			AA
	5300			AA
	10			AA
	20			AA
	30			AA
	40			AA
	5350			AA
	60			AA
	70			AA
	80			AA
	90			AA
	5400			AA
	10			AA
	20			AA
	30			AA
	40			AA
	5450			AA

HELTON ENGINEERING LTD
WELLSITE SAMPLE DESCRIPTION

WELL NAME Demo. Point - Point - CSP. Area TRANT LAKE
LOCATION Unit M, Sec 13, GR18 60°42' 12"15' NWT

SHEET NO. 13
DATE JAN 9/67

LITHOLOGY	DEPTH	SOUND		SAMPLE DESCRIPTION
		FEET	STAIN	
	5460			sh. dk. grey green
	70			AA
	80			AA
	90			AA
	5500			AA
	10			AA
	20			AA
	30			AA
	40			AA
	5550			AA
	60			AA
	70			AA
	80			AA
	90			AA
	5600			AA
	10			AA
	20			AA
	30			AA
	40			AA
	5650			AA
	60			AA
	70			AA
	80			AA
	90			AA
	5700			AA
	10			AA
	20			AA w/ sh. dk. grey - black, carbonaceous
	30			sh. black, carbonaceous
	40			AA w/ pyrite
	5750			AA
	60			AA
	70			ls. wh. buff-brn, crypto-xylo, sl. mottled, no por
	80			ls. brn-wh, mottled, crypto-xylo w/ pyrite
	90			AA
	5800			ls. dk. brn, crypto-xylo to wh - sl. cherty, pyritic
	10			AA
	20			AA
	30			AA, w/ ls. wh. brn, w/ ls. gr. granular, sl. trace por
	40			AA, w/ ls. wh. brn, w/ ls. gr. granular, sl. trace por
	5850			ls. dk. brn - wh. brn, crypto-xylo, no por, w/ ls. w. con.
	60			AA
	70			AA
	80			AA
	90			AA
	5900			AA

T. MUSKWA 5716(-388)

T. SLAVE POINT 5765(-39)

HELTON ENGINEERING LTD
WELL SITE SAMPLE DESCRIPTION

WELL NAME DONE-PROV. FAN AREA - CIP - Near TERRY LAKE
LOCATION UNIT M. SEC 7, CR. 60.50, 12.95'
NW 1/4

SHEET NO. 16
DATE JAN 3, 1967

LITHOLOGY	DEPTH	FOSSILS	STRAT.	SAMPLE DESCRIPTION
	5910			ls. dk. brn. tan, mottled in part, crypt. elyn, hard, like also Per
	20			ls. AA to black, w/ purple
	30			AA
	40			AA w/lt. secondary calcite
	5950			AA
	60			ls. AA, less black, more tan ls. w/lt. grey ls
	70			ls. tan dk. brn. AA
	80			AA
	90			AA w/lt. ls. sub, cherty
	6000			AA
	10			AA w/lt. dk. grey brown, chert, lith. argill.
	20			ls. dk. grey brown, lith. argill. w/lt. dk. brn. sub, crypt. elyn - cherty
	30			ls. buff - lt. grey, lith. argill. w/lt. dk. brn. crypt. elyn, w/ purple
	40			AA
	6050			AA
	60			ls. sub, cherty, sh. elyn w/lt. lt. grey - tan, sh. pallid
	70			AA
	80			sh. dk. grey green, w/lt. AA
	90			AA
	6100			AA
	10			AA
	20			ls. w/lt. lt. grey, cherty to crypt. elyn, sh. Per
	30			ls. dk. brn. black, soft, argillaceous
	40			AA w/lt. dk. brn. crypt. elyn
	6150			AA
	60			AA w/lt. chert, black
	70			ls. buff - lt. grey, argill. soft, w/lt. secondary calcite, w/lt. ls. dk. brn.
	80			AA
	90			ls. blk. dk. brn. argill. w/lt. dk. brn. crypt. elyn
	6200			AA w/lt. ls. sub, cherty, soft, no per
	10			AA
	20			AA w/lt. chert, black
	30			AA
	40			ls. dk. brn. black, argill. w/lt. lt. grey, argill.
	6250			AA
	60			AA w/lt. purple
	70			ls. buff, argill. soft, w/lt. dk. brn. blk. crypt. elyn
	80			AA
	90			AA
	6300			AA
	10			AA
	20			ls. dk. brn. tan, crypt. elyn, hard, dk. sh. Per, w/lt. sec. calcite w/lt. dk. brn. sub
	30			ls. AA w/lt. tan, sh. elyn, hard, dk. sh. Per
	40			ls. dk. brn. tan, crypt. elyn, hard, dk. sh. Per, w/lt. secondary calcite, w/lt. sh. Per
	6350			AA

HELTON ENGINEERING LTD.
WELLSITE SAMPLE DESCRIPTION

WELL NAME Dune-Point-Pulley-CSP-Block Trout Lake N-73 SHEET NO. 15
LOCATION Line N-56-73, Grid 63°40' 121°15' NW DATE Jan 2/67

LITHOLOGY	DEPTH	SOUNDINGS		SAMPLE DESCRIPTION
		FOCUS	STAIN	
	6360			AA, w/b, brn tan, lithographic, dark, h.d.
	70			ls, brn-buff-tan, lithographic - ls cryptocrystalline, dark, h.d., No.
	80			AA
	90			lt brn-tan lithographic ls slgn, sl dolomite w/ls slgn, f pyritic
	6400			brn-tan cryptocrystalline - calc slgn, sl dolomite, f quartz, clear, h.d.
	10			quartzite, clear, dark h.d., massive, pyritic
	20			AA
	30			CA
	40			DEVIERS TO 6427
	6450			ELOG TO 6474
	60			
	70			
	80			
	90			
	6500			
	10			
	20			
	30			
	40			
	6550			
	60			
	70			
	80			
	90			
	6600			
	10			
	20			
	30			
	40			
	6650			
	60			
	70			
	80			
	90			
	6700			
	10			
	20			
	30			
	40			
	6750			
	60			
	70			
	80			
	90			
	6800			

DOM E PROVO PAN AM CSP ALMX TROUT LK M-73

Core #1 - 6314-60 Recovered 45.7'

6314	6325	11'	Limestone, chalky brown-tan, crypto-crystalline, hard, dense, no porosity with abundant secondary calcite, with numerous coal partings, with limestone, brecciated with sections of stromatopoides and coral exposed, with stylolites.
6325	- 6326.3	1' 3"	Limestone, tan, finely crystalline, hard, dense no porosity.
6326.3	= 6327.5	1' 2"	Limestone, dark brown-tan, crypto-crystalline, hard, dense, no porosity with abundant secondary calcite, with numerous coal partings.
6327.5	- 6329	1' 5"	Shale, dark grey with some bituminous material, with numerous lime stringers.
6329	= 6330.5	1' 5"	Limestone, brown-tan, crystalline, with numerous bituminous partings with secondary calcite.
6330.5	= 6332	1' 5"	Limestone, crystalline, clean hard, dense no porosity, with secondary calcite.
6332	= 6337	5'	Limestone, brown-tan, finely crystalline, hard, dense, no porosity with abundant secondary calcite, with abundant bituminous shale partings.
6337	= 6338.3	1' 3"	Limestone, tan, crystalline, hard, dense, clean, no porosity, with secondary calcite.
6338.3	- 6339.8	1' 5"	Limestone, dark brown to tan, crypto-crystalline, with bituminous partings, with secondary calcite.

Continued

Core #1 - Continued

6339.8 - 6343.8	4 '	Limestone, tan, crystalline, fine grained, hard, dense, (reacts slowly with acid, but dissolves completely.)
6343.8 - 6351.1.	7 ' 3"	Limestone, dark brown, crypto-crystalline, hard, dense, with bitumuous partings, with secondary calcite.
6351.1 - 6356.5	5 ' 5"	Limestone, brown-tan, lithographic, dense, hard, with trace coal and calcite crystals, interwoven.
6356.6 - 6357.1	1 ' 5"	Limestone, dark brown, crypto-crystalline, dense, hard with black shale and bitumuous shale, with secondary calcite.
6357 - 6359.7	2 ' 7"	Limestone, dark brown, dense, hard, crypto-crystalline, with secondary calcite.

DOME PROVO PAN AM CSP ALMX TROUT LK M-73

Core #2 - 6360-6398 Recovered 38'

6360 - 6362.2	2 ' 2"	Limestone, tan, crystalline, dense, hard, tite.
6362.2 - 6367.5	5 ' 3"	Limestone, tan, micro to crypto-crystalline, hard, dense, tite, with isolated coarse quartz grains.
6367.5 - 6367.7	2"	Shale, dark grey.
6367.7 - 6368.7	1 '	Limestone, dark brown, micro to crypto-crystalline, with shale partings, black.
6368.7 - 6373.1	4 ' 6"	Limestone, light brown to tan, crystalline, hard, dense, tite, no porosity.
6373.1 - 6379.1	6 '	Limestone, tan, crystalline, dense, hard with few shale laminae with trace calcite and pyrite.
6379.1 - 6381.7	2 ' 6"	Limestone, dark brown-tan, crystalline, hard, dense, tite, with abundant bitumous laminations.
6381.7 - 6387.5	5 ' 10"	Limestone, tan, crystalline, hard, dense tite with numerous coarse, quartz grain.
6387.5 - 6389.11	2 ' 6"	Limestone, light grey, crystalline, hard dense, tite, medium grained, slightly dolomitic, numerous, coarse quartz grains.
6389.11-6394	4 ' 1"	Limestone, tan, micro to crypto-crystalline, hard, with limestone, tan, crystalline, medium grained, hard, dense, tite, no porosity, with secondary calcite.

Core #2 - Continued

6394	-6396.8	2 ' 4"	Limestone, dark brown, coarse, crystalline, large 1/4" in length, EXTRA large vugs, some large enough for your thumb to fit in, lined with calcite crystals.
6396.8	-6397.10	1 ' 2"	Limestone, dark brown, finely crystalline, hard, tite, dense.
6397.10-6398		2"	Quartzite, clear, hard, tite, no porosity.

GEOLOGICAL SUMMARY

This well was drilled two miles west of Trout Lake, in the North West Territories. It was drilled on a seismic high, and was to be drilled into the Pre-Cambrian. The regionally projected total depth was to be approximately 7005 or 120 feet below the Pre-Chinchaga. The Pre-Chinchaga was expected at around 6885 regionally, and 6450 according to the shooting. The outstanding geological aspect about this well, is that the Pre-Chinchaga was encountered 52 feet higher than expected from the shooting, and 487 feet higher than the predicted regional top. Although the well was a structurally high well, no shows of oil were encountered, from top to bottom. The only porosity in the entire well, was encountered in the basal Middle Devonian carbonate, from 6394 to 6396.8, as observed in the core. This zone was later tested, and yielded 615 feet of brackish salt water. The Pre-Chinchaga in this well was too hard to penetrate, and the well was abandoned at a total depth of 6427, 29 feet into the Pre-Chinchaga quartzite.

LUDLOGIC, Inc.

Fossils

SYNOMATOPORA	
AMPHIPORA	
ALGAE	
GASTROPOD	
BRACHIOPOD	
OSTRACOD	
WORM CORALS	
CHINOID	
TENTACULITES	
BRYOZOA	

GENERAL

SALT		V 710
SALT CASTS		
ANHYDRITE GYPSUM		V 706 P 932
BENTONITE		
SECONDARY CALCITE		
LACCAEDOUS WHITE SPHALS		
FUSULIFEROUS		
FISH METAL AND SPORES, TEETH, JAWS, ETC.		
CHERT Translucent/Sem opaque		
CHERT Opaque		
SILICEOUS		
PHOSPHATE PELLETS		
SULFITE PELLETS		V 70
MASSIVE SIDERITE		V 702
GLAUCONITE		V 730
STYLOLITIC		
MICA		
PYRITE		
FLOATING SAND GRAINS		V 707 P 935
COAL, ASPHALT, GILSONITE		V 708
BITUMIN		
METAMORPHICS		
LAVA		
GRANITE		
QUARTZITE		

Shoes are aged by sanding, staining, or the burn and matching the color of the shoes when possible.

SANDY	☒
SILTY	☒
COLOMATIC	☒
CALCAREOUS / LIMY, etc	☒

MISCELLANEOUS

[illegible]

DAILY DRILLING REPORT

HELTON ENGINEERING LTD.

As of 8:00 a.m.

Well Name & No. DOME PROVO PAN AM CSP ALMX TROUT LK M-73

Date Jan. 6/67 Depth 615 ft. Progress 615 ft. Day No. 1
 Operation Drilling
 Contract hrs. Day work hrs. Rotating hrs. 18-1/4 Trip hrs. 1-1/4
 Other Rig service 1/2; Surveys 1-1/4; Rig to spud 2-3/4; K.B. to ground 13.70

MUD		SURVEYS	TRIPS — PULLED	
Properties	Additives			
		100 ft. 1 deg	Bit No. 1A @ 413 ft. Fill _____ ft.	
Wt. 9.5	45 Sacks Gel	190 ft. 7/8 deg	Bit No. _____ @ _____ ft. Fill _____ ft.	
Visc. 45	15 Sawdust	295 ft. 7/8 deg	PIPE STRAPS	
WL _____		385 ft. 3/4 deg	Tally _____ ft. Board _____ ft.	Correction Yes ☐ No ☐
FC _____		495 ft. 1/2 deg	Tally _____ ft. Board _____ ft.	Correction Yes ☐ No ☐
pH _____		_____ ft. _____ deg		
Other _____		_____ ft. _____ deg		
		_____ ft. _____ deg		

Operations past 24 hrs. Spudded at 10:45 A.M., Drilling 13-3/4" surface hole.

Date Jan. 7/67 Depth 922 ft. Progress 307 ft. Day No. 2
 Operation Waiting on cement
 Contract hrs. Day work hrs. Rotating hrs. 7-1/2 Trip hrs. 4
 Other Rig service 1/4; Surveys 3/4; Circ. 1-3/4; Rig up for casing 1-3/4; Run Casing 4; Cement and plug down 1-1/4; W.O.C. 2-3/4.

MUD		SURVEYS	TRIPS — PULLED	
Properties	Additives			
		690 ft. 1/2 deg	Bit No. 2A @ 709 ft. Fill _____ ft.	
Wt. 9.5	30 Gel	845 ft. 3/4 deg	Bit No. _____ @ _____ ft. Fill _____ ft.	
Visc. 45		920 ft. 3/4 deg	PIPE STRAPS	
WL _____		_____ ft. _____ deg	Tally _____ ft. Board _____ ft.	Correction Yes ☐ No ☐
FC _____		_____ ft. _____ deg	Tally _____ ft. Board _____ ft.	Correction Yes ☐ No ☐
pH _____		_____ ft. _____ deg		
Other _____		_____ ft. _____ deg		
		_____ ft. _____ deg		

Operations past 24 hrs. Drilled 13-3/4" surface hole to 922. Circulate and prepare to run surface casing. Rig up and run 31 joints 9-5/8" 36# J-55 short thread and collar. Cemented with 550 sacks oilwell cement plus 3% CaCl₂. Displaced with 68 barrels of water. Plug down at 5:15 A.M., Casing landed at 922 K.B. Good cement returns.

DAILY DRILLING REPORT

HELTON ENGINEERING LTD.

As of 8:00 a.m.

Well Name & No. DOMO PROVO PAN AM CSP ALMX TROUT LK M-73

Date Jan. 8/67 Depth 922 ft. Progress _____ ft. Day No. 3
 Operation Drilling out cement
 Contract hrs. _____ Day work hrs. _____ Rotating hrs. _____ Trip hrs. _____
 Other Waiting on cement 24 hours.

MUD		SURVEYS	TRIPS — PULLED	
Properties	Additives			
Wt. _____	<u>2 Bicarb</u>	_____ ft. _____ deg	Bit No. _____ @ _____ ft.	Fill _____ ft.
Visc. _____	<u>20 Benex</u>	_____ ft. _____ deg	Bit No. _____ @ _____ ft.	Fill _____ ft.
WL _____	<u>10 Gal. No Stik</u>	_____ ft. _____ deg	PIPE STRAPS	
FC _____	_____	_____ ft. _____ deg	Tally _____ ft.	Board _____ ft. Correction ft. Yes ☐ No ☐
pH _____	_____	_____ ft. _____ deg	Tally _____ ft.	Board _____ ft. Correction ft. Yes ☐ No ☐
Other _____	_____	_____ ft. _____ deg		
_____	_____	_____ ft. _____ deg		

Operations past 24 hrs. Pressure up 4-1/2; hydril 1/2; Drilling mouse hole 2;
Drill out 1-1/2.

Date Jan. 9/67 Depth 2649 ft. Progress 1727 ft. Day No. 4
 Operation Drilling
 Contract hrs. _____ Day work hrs. _____ Rotating hrs. 19-1/2 Trip hrs. 1-3/4
 Other Rig service 3/4; Surveys 3/4; Drilled out 3/4; Clean suction 1/2.

MUD		SURVEYS	TRIPS — PULLED	
Properties	Additives			
Wt. <u>8.6</u>	<u>17 Gel</u>	<u>1230</u> ft. <u>1</u> deg	Bit No. <u>1</u> @ <u>2212</u> ft.	Fill _____ ft.
Visc. <u>29</u>	<u>48# Benex</u>	<u>1704</u> ft. <u>1</u> deg	Bit No. _____ @ _____ ft.	Fill _____ ft.
WL _____	<u>4 Gal. No Stik</u>	<u>2180</u> ft. <u>3/4</u> deg	PIPE STRAPS	
FC _____	_____	_____ ft. _____ deg	Tally _____ ft.	Board _____ ft. Correction ft. Yes ☐ No ☐
pH _____	_____	_____ ft. _____ deg	Tally _____ ft.	Board _____ ft. Correction ft. Yes ☐ No ☐
Other _____	_____	_____ ft. _____ deg		
_____	_____	_____ ft. _____ deg		

Operations past 24 hrs. Drilled 8-3/4" hole. No problems, drilling like crazy.

DAILY DRILLING REPORT

HELTON ENGINEERING LTD.

As of 8:00 a.m.

Well Name & No. DOME PROVO PAN AM CSP ALMX TROUT LK M-73

Date Jan. 10/67 Depth 3260 ft. Progress 611 ft. Day No. 5
 Operation Drilling
 Contract hrs. Day work hrs. Rotating hrs. 18-3/4 Trip hrs. 2-3/4
 Other Rig service 3/4; Surveys 1; Clean 130' to bottom 3/4.

MUD		SURVEYS		TRIPS — PULLED	
Properties	Additives				
Wt. 8.8	124 Gel	2645	1-1/4 ft. deg	Bit No. 2	@ 2772 ft. Fill 130 ft.
Visc. 32	82 Benex	2770	3/4 ft. deg	Bit No.	@ ft. Fill ft.
WL 15.5	5 No Stik	3015	1 ft. deg		
FC 2/32	2 WL-100	3250	5/8 ft. deg	PIPE STRAPS	
pH 7.2			ft. deg	Tally	ft. Board Correction ft. Yes ☐ No ☐
Other			ft. deg	Tally	ft. Board Correction ft. Yes ☐ No ☐
			ft. deg		

Operations past 24 hrs. Drilled 8-3/4" hole. Tripped for Bit #3, 130' cavings whole.

Date Jan. 11/67 Depth 3590 ft. Progress 330 ft. Day No. 6
 Operation Drilling
 Contract hrs. Day work hrs. 17-3/4 Rotating hrs. 2 Trip hrs.
 Other Rig service 3/4; Work stuck pipe and mix mud 2-1/2; Survey 1/4; Clean to bottom 3/4.

MUD		SURVEYS		TRIPS — PULLED	
Properties	Additives				
Wt. 8.8	165 Gel	3443	1 ft. deg	Bit No. 3	@ 3473 ft. Fill 150 ft.
Visc. 32	70# Benex		ft. deg	Bit No.	@ ft. Fill ft.
WL 8.8	3 Gal. No Stik		ft. deg	PIPE STRAPS	
FC 2/32			ft. deg	Tally	ft. Board Correction ft. Yes ☐ No ☐
pH 7.4			ft. deg	Tally	ft. Board Correction ft. Yes ☐ No ☐
Other			ft. deg		
			ft. deg		

Operations past 24 hrs. Drilled 8-3/4" hole. Hole was tight and pipe stuck, while tripping for new bit. Found 150' cavings in hole.

DAILY DRILLING REPORT

HELTON ENGINEERING LTD.

As of 8:00 a.m.

Well Name & No. DOME PROVO PAN AM CSP ALMY TROUT LK M-73

Date Jan. 12/67 Depth 4005 ft. Progress 415 ft. Day No. 7
 Operation Drilling
 Contract hrs. Day work hrs. Rotating hrs. 22 Trip hrs.
 Other Surveys 1-1/4; Rig service 3/4.

MUD		SURVEYS		TRIPS — PULLED	
Properties	Additives				
Wt. <u>9.0</u>	<u>156</u> Gel	<u>3710</u>	ft. <u>1</u> deg	Bit No. <u> </u>	@ <u> </u> ft. Fill <u> </u> ft.
Visc. <u>45</u>	<u>66</u> Benex	<u>3960</u>	ft. <u>3</u> deg	Bit No. <u> </u>	@ <u> </u> ft. Fill <u> </u> ft.
WL <u>8.4</u>	<u>5</u> No Stik	<u>3990</u>	ft. <u>3</u> deg		
FC <u>2/32</u>	<u>11</u> WL-100		ft. <u> </u> deg	PIPE STRAPS	
pH <u>7.6</u>			ft. <u> </u> deg	Tally <u> </u>	Board <u> </u> ft. Correction <u> </u>
Other <u> </u>			ft. <u> </u> deg		Yes ☐ No ☐
			ft. <u> </u> deg	Tally <u> </u>	Board <u> </u> ft. Correction <u> </u>
			ft. <u> </u> deg		Yes ☐ No ☐

Operations past 24 hrs. Drilled 8-3/4" hole with no problems.

Date Jan. 13/67 Depth 4265 ft. Progress 260 ft. Day No. 8
 Operation Surveying
 Contract hrs. Day work hrs. Rotating hrs. 15-1/2 Trip hrs. 3-1/4
 Other Rig service and BOP's 3/4; Surveys 1-3/4; Rig service 3/4;
Circulate 1/2; Slip and cut 100' drilling line 1/2; Clean 285'
to bottom 1-3/4.

MUD		SURVEYS		TRIPS — PULLED	
Properties	Additives				
Wt. <u>9</u>	<u>115</u> Gel	<u>4050</u>	ft. <u>3</u> deg	Bit No. <u>4</u>	@ <u>4114</u> ft. Fill <u>285</u> ft.
Visc. <u>50</u>	<u>36</u> Benex	<u>4114</u>	ft. <u>3</u> deg	Bit No. <u> </u>	@ <u> </u> ft. Fill <u> </u> ft.
WL <u>8</u>	<u>5</u> No Stik	<u>4200</u>	ft. <u>3</u> deg		
FC <u>2/32</u>	<u>1</u> WL-100		ft. <u> </u> deg	PIPE STRAPS	
pH <u>8</u>			ft. <u> </u> deg	Tally <u> </u>	Board <u> </u> ft. Correction <u> </u>
Other <u> </u>			ft. <u> </u> deg		Yes ☐ No ☐
			ft. <u> </u> deg	Tally <u> </u>	Board <u> </u> ft. Correction <u> </u>
			ft. <u> </u> deg		Yes ☐ No ☐

Operations past 24 hrs. Tripped for new bit. Found 285' cavings on bottom.

DAILY DRILLING REPORT

HELTON ENGINEERING LTD.

As of 8:00 a.m.

Well Name & No. DOME PROVO PAN AM CSP ALMX TROUT LK M-73

Date Jan. 14/67 Depth 4511 ft. Progress 245 ft. Day No. 9
 Operation Ream and clean to bottom
 Contract hrs. Day work hrs. Rotating hrs. 12-1/4 Trip hrs. 4-1/4
 Other Rig service 3/4; Survey 1-1/2; Circulate 1/2; Ream from 3585
 4-3/4.

MUD		SURVEYS		TRIPS — PULLED	
Properties	Additives				
Wt. 9	97 Gel	4265	2-1/2 ft. deg	Bit No. 5	@ 4511 ft. Fill 930 ft.
Visc. 65	36 Benex	4449	3-1/2 ft. deg	Bit No. _____	@ _____ ft. Fill _____ ft.
WL 10	6 No Stik	4511	5 ft. deg		
FC 2/32	2 WL-100		ft. deg	PIPE STRAPS	
pH 8	1 Quickvis		ft. deg	Tally _____ ft.	Board _____ ft. Correction Yes ☐ No ☐
Other _____			ft. deg	Tally _____ ft.	Board _____ ft. Correction Yes ☐ No ☐
			ft. deg		

Operations past 24 hrs. Tripped for Bit #6 at 4511. Found 930' cavings on bottom. Ream and clean to bottom.

Date Jan. 15/67 Depth 4663 ft. Progress 152 ft. Day No. 10
 Operation Drilling
 Contract hrs. Day work hrs. Rotating hrs. 12-3/4 Trip hrs.
 Other Rig service 3/4; Surveys 1, Ream to bottom 9-1/2.

MUD		SURVEYS		TRIPS — PULLED	
Properties	Additives				
Wt. 9.1	65 Gel	4572	3-7/8 ft. deg	Bit No. _____	@ _____ ft. Fill _____ ft.
Visc. 135	8 Benex	4630	3 ft. deg	Bit No. _____	@ _____ ft. Fill _____ ft.
WL 5.4	2 No Stik		ft. deg	PIPE STRAPS	
FC 2/32	1 WL-100		ft. deg	Tally _____ ft.	Board _____ ft. Correction Yes ☐ No ☐
pH 8	1 Quickvis		ft. deg	Tally _____ ft.	Board _____ ft. Correction Yes ☐ No ☐
Other _____			ft. deg		
			ft. deg		

Operations past 24 hrs. Continued to ream and clean to bottom from yesterday's trip. Increase mud viscosity to try and halt the sluffing of shale sections above the present depth.

DAILY DRILLING REPORT

HELTON ENGINEERING LTD.

As of 8:00 a.m.

Well Name & No. DOMO PROVO PAN AM CSP. ALMX TROUT LK M-73

Date Jan. 16/67 Depth 4905 ft. Progress 242 ft. Day No. 11
 Operation Drilling
 Contract hrs. _____ Day work hrs. _____ Rotating hrs. 18-1/2 Trip hrs. 3-3/4
 Other Rig service 1/2; Surveys 3/4; Clean to bottom 1/2.

MUD		SURVEYS	TRIPS — PULLED	
Properties	Additives			
Wt. <u>9.1</u>	<u>65</u> Gel	<u>4723</u> ft. <u>3</u> deg	Bit No. <u>6</u>	@ <u>4723</u> ft. Fill _____ ft.
Visc. <u>120</u>	<u>4</u> Benex	<u>4815</u> ft. <u>3</u> deg	Bit No. _____	@ _____ ft. Fill _____ ft.
WL <u>5.6</u>	<u>50#</u> WL-100	_____ ft. _____ deg	PIPE STRAPS	
FC <u>2/32</u>	<u>2</u> Gal. No Stik	_____ ft. _____ deg	Tally _____ ft.	Board _____ ft. Correction Yes ☐ No ☐
pH <u>8</u>	_____	_____ ft. _____ deg	Tally _____ ft.	Board _____ ft. Correction Yes ☐ No ☐
Other _____	_____	_____ ft. _____ deg		
		_____ ft. _____ deg		

Operations past 24 hrs. Drilling 8-3/4" hole. -35 degrees last night.

Date Jan. 17/66 Depth 5150 ft. Progress 245 ft. Day No. 12
 Operation Drilling
 Contract hrs. _____ Day work hrs. _____ Rotating hrs. 16-1/2 Trip hrs. 3-1/2
 Other Work on light plant 2; Survey 1; Rig service 1/2; Clean to bottom 1/2.

MUD		SURVEYS	TRIPS — PULLED	
Properties	Additives			
Wt. <u>9.1</u>	<u>65</u> Gel	<u>4970</u> ft. <u>3</u> deg	Bit No. <u>7</u>	@ <u>5060</u> ft. Fill _____ ft.
Visc. <u>96</u>	<u>12</u> Benex	<u>5050</u> ft. <u>3</u> deg	Bit No. _____	@ _____ ft. Fill _____ ft.
WL <u>5.2</u>	<u>6</u> Gal. No Stik	_____ ft. _____ deg	PIPE STRAPS	
FC <u>2/32</u>	<u>100#</u> WL-100	_____ ft. _____ deg	Tally _____ ft.	Board _____ ft. Correction Yes ☐ No ☐
pH <u>8</u>	_____	_____ ft. _____ deg	Tally _____ ft.	Board _____ ft. Correction Yes ☐ No ☐
Other _____	_____	_____ ft. _____ deg		
		_____ ft. _____ deg		

Operations past 24 hrs. Continue drilling. Temperature between 50 and 55 degrees below zero. Light quit, and camp started freezing up. Tool pusher froze two toes and a finger getting it running again.

DAILY DRILLING REPORT

HELTON ENGINEERING LTD.

As of 8:00 a.m.

Well Name & No. DOME PROVO PAN AM CSP ALMX TROUT LAKE M-73

Date Jan. 18/67 Depth 5570 ft. Progress 420 ft. Day No. 13

Operation Drilling

Contract hrs. Day work hrs. Rotating hrs. 21-3/4 Trip hrs.

Other Rig service 3/4; Surveys 1-1/2.

MUD		SURVEYS		TRIPS — PULLED	
Properties	Additives				
Wt. <u>9.2</u>	<u>82 Gel</u>	<u>5400</u>	<u>2-1/2</u> ft. deg	Bit No. <u>8</u>	@ <u>5617</u> ft. Fill <u> </u> ft.
Visc. <u>107</u>	<u>8 Benex</u>	<u>5460</u>	<u>1-3/4</u> ft. deg	Bit No. <u> </u>	@ <u> </u> ft. Fill <u> </u> ft.
WL <u>5.6</u>	<u>4 Gal. No Stik</u>		ft. deg	PIPE STRAPS	
FC <u>2/32</u>	<u>200# WL-100</u>		ft. deg	Tally <u> </u> ft.	Board <u> </u> ft. Correction <u> </u>
pH <u>8</u>			ft. deg		Yes ☐ No ☐
Other <u> </u>			ft. deg	Tally <u> </u> ft.	Board <u> </u> ft. Correction <u> </u>
			ft. deg		Yes ☐ No ☐

Operations past 24 hrs. Drilled with no complications.

Date Jan. 19/67 Depth 5820 ft. Progress 250 ft. Day No. 14

Operation Drilling

Contract hrs. Day work hrs. Rotating hrs. 15-1/2 Trip hrs. 4-1/2

Other Rig service 3/4; Survey 1, Repair hole fuller line 1-1/2; Clean to bottom, 3/4.

MUD		SURVEYS		TRIPS — PULLED	
Properties	Additives				
Wt. <u>9.0</u>	<u>80 Gel</u>	<u>5610</u>	<u>2-1/2</u> ft. deg	Bit No. <u> </u>	@ <u> </u> ft. Fill <u> </u> ft.
Visc. <u>80</u>	<u>12 Benex</u>	<u>5800</u>	<u>3-3/4</u> ft. deg	Bit No. <u> </u>	@ <u> </u> ft. Fill <u> </u> ft.
WL <u>58</u>	<u>50# WL-100</u>		ft. deg	PIPE STRAPS	
FC <u>2/32</u>	<u>6 Gal. No Stik</u>		ft. deg	Tally <u> </u> ft.	Board <u> </u> ft. Correction <u> </u>
pH <u>8.0</u>	<u>100# CMC</u>		ft. deg		Yes ☐ No ☐
Other <u> </u>			ft. deg	Tally <u> </u> ft.	Board <u> </u> ft. Correction <u> </u>
			ft. deg		Yes ☐ No ☐

Operations past 24 hrs. Drilled ahead.

DAILY DRILLING REPORT

HELTON ENGINEERING LTD.

As of 8:00 a.m.

Well Name & No. DOMS PROVO PAN AM CSP ALMX TROUT LK M-73

Date Jan. 20/67 Depth 6000 ft. Progress 180 ft. Day No. 15
 Operation Drilling
 Contract hrs. _____ Day work hrs. _____ Rotating hrs. 15-3/4 Trip hrs. 4-1/2
 Other Rig service 3/4; Survey 1/4; Circ. Samples 1/2; Slip and cut 60'
line 1; Clean 130' to bottom 1-1/4.

MUD		SURVEYS	TRIPS — PULLED	
Properties	Additives			
		<u>5896</u> <u>4-1/8</u>	Bit No. <u>9</u> @ <u>5896</u> ft. Fill _____ ft.	
		_____ ft. _____ deg	Bit No. _____ @ _____ ft. Fill _____ ft.	
Wt. <u>9.1</u>	<u>110 Gel</u>	_____ ft. _____ deg	PIPE STRAPS	
Visc. <u>100</u>	<u>150# CMC</u>	_____ ft. _____ deg	Tally _____ ft. Board _____ ft.	Correction ft. Yes ☐ No ☐
WL <u>6.0</u>	<u>12 Benex</u>	_____ ft. _____ deg		
FC <u>2/32</u>	<u>6 Gal. No Stik</u>	_____ ft. _____ deg	Tally _____ ft. Board _____ ft.	Correction ft. Yes ☐ No ☐
pH <u>8</u>	_____	_____ ft. _____ deg		
Other _____	_____	_____ ft. _____ deg		
_____	_____	_____ ft. _____ deg		

Operations past 24 hrs. Tripping for bit and drilling ahead

Date Jan. 21/67 Depth 6192 ft. Progress 192 ft. Day No. 16
 Operation Drilling
 Contract hrs. _____ Day work hrs. _____ Rotating hrs. 18 Trip hrs. 4-1/4
 Other Rig service 1/2; Survey 1/4; Clean 65' to bottom 1.

MUD		SURVEYS	TRIPS — PULLED	
Properties	Additives			
		<u>6136</u> <u>4-1/8</u>	Bit No. <u>10</u> @ <u>6135</u> ft. Fill _____ ft.	
		_____ ft. _____ deg	Bit No. _____ @ _____ ft. Fill _____ ft.	
Wt. <u>8.8</u>	<u>75 Gel</u>	_____ ft. _____ deg	PIPE STRAPS	
Visc. <u>90</u>	<u>50# CMC</u>	_____ ft. _____ deg	Tally _____ ft. Board _____ ft.	Correction ft. Yes ☐ No ☐
WL <u>6.0</u>	<u>16 Benex</u>	_____ ft. _____ deg		
FC <u>2/32</u>	<u>50# WL-100</u>	_____ ft. _____ deg	Tally _____ ft. Board _____ ft.	Correction ft. Yes ☐ No ☐
pH <u>8.0</u>	_____	_____ ft. _____ deg		
Other _____	_____	_____ ft. _____ deg		
_____	_____	_____ ft. _____ deg		

Operations past 24 hrs. Tripping for bit and drilling ahead.

DAILY DRILLING REPORT

HELTON ENGINEERING LTD.

As of 8:00 a.m.

Well Name & No. DOME PROVO PAN AM CSP ALMX TROUT LK M-73

Date Jan. 22/67 Depth 6316 ft. Progress 124 ft. Day No. 17
 Operation Coring
 Contract hrs. Day work hrs. Rotating hrs. 14-1/4 Trip hrs. 5
 Other Circulate 2-1/4; Survey 1/4; Pick up core barrel 1-1/2; Service rig 3/4.

MUD		SURVEYS	TRIPS — PULLED	
Properties	Additives	6300 ft. 4 deg	Bit No. 11 @ 6314 ft. Fill _____ ft.	
Wt. 9		_____ ft. _____ deg	Bit No. _____ @ _____ ft. Fill _____ ft.	
Visc. 155		_____ ft. _____ deg	PIPE STRAPS	
WL 6.2		_____ ft. _____ deg	Tally 6314 ft. Board 6310	Correction ft. Yes ☒ No ☐
FC 2/32		_____ ft. _____ deg		
pH 8.0		_____ ft. _____ deg	Tally _____ ft. Board _____	Correction ft. Yes ☐ No ☐
Other _____		_____ ft. _____ deg		

Operations past 24 hrs. Drilled to 6314. Come out of hole and go in with Diamond core barrel to cut Core #1 at 6314.

Date Jan. 23/67 Depth 6360 ft. Progress 44 ft. Day No. 18
 Operation Tripping
 Contract hrs. Day work hrs. Rotating hrs. 22-3/4 Trip hrs. 1-1/4
 Other

MUD		SURVEYS	TRIPS — PULLED	
Properties	Additives	_____ ft. _____ deg	Bit No. _____ @ _____ ft. Fill _____ ft.	
Wt. 8.9	120# WL-100	_____ ft. _____ deg	Bit No. _____ @ _____ ft. Fill _____ ft.	
Visc. 120	40 Gel	_____ ft. _____ deg	PIPE STRAPS	
WL 7.6	8 Benex	_____ ft. _____ deg	Tally _____ ft. Board _____	Correction ft. Yes ☐ No ☐
FC 2/32		_____ ft. _____ deg		
pH 8.		_____ ft. _____ deg	Tally _____ ft. Board _____	Correction ft. Yes ☐ No ☐
Other _____		_____ ft. _____ deg		

Operations past 24 hrs. Cut Core #1 from 6314-60. Barrel jammed at 6360. Recovered 45.7'.

DAILY DRILLING REPORT

HELTON ENGINEERING LTD.

As of 8:00 a.m.

Well Name & No. DOME PROVO PAN AM CSP ALMX TROUT LK M-73

Date Jan. 24/67 Depth 6365 ft. Progress 5 ft. Day No. 19
 Operation Coring
 Contract hrs. _____ Day work hrs. _____ Rotating hrs. 3 Trip hrs. 8
 Other Rig service 1/2; Cutline 1, Recover core and service barrel 2;
 Circulate 2; Pick up core barrel 1/4; Ream core hole 7-1/4".

MUD		SURVEYS	TRIPS — PULLED	
Properties	Additives			
Wt. 9.0		_____ ft. _____ deg	Bit No. _____ @ _____ ft.	Fill _____ ft.
Visc. 160		_____ ft. _____ deg	Bit No. _____ @ _____ ft.	Fill _____ ft.
WL 7.2		_____ ft. _____ deg	PIPE STRAPS	
FC 2/32		_____ ft. _____ deg	Tally _____ ft.	Board _____ ft. Correction Yes ☐ No ☐
pH 8		_____ ft. _____ deg	Tally _____ ft.	Board _____ ft. Correction Yes ☐ No ☐
Other _____		_____ ft. _____ deg		
		_____ ft. _____ deg		

Operations past 24 hrs. Recovered Core #1, and prepared to cut Core #2. Service core barrel and go back in hole to ream core hole; started cutting Core #2.

Date Jan. 25/67 Depth 6398 ft. Progress 38 ft. Day No. 20
 Operation Reaming core hole
 Contract hrs. _____ Day work hrs. _____ Rotating hrs. 17 Trip hrs. 4-1/4
 Other Recover Core #2 - 2' Ream core hole 3/4.

MUD		SURVEYS	TRIPS — PULLED	
Properties	Additives			
Wt. 9	10 sacks Soda ash	_____ ft. _____ deg	Bit No. 12 @ 6398 (Reamed)	ft. Fill _____ ft.
Visc. 120	50# CMC	_____ ft. _____ deg	Bit No. _____ @ _____ ft.	Fill _____ ft.
WL 5.6		_____ ft. _____ deg	PIPE STRAPS	
FC 2/32		_____ ft. _____ deg	Tally _____ ft.	Board _____ ft. Correction Yes ☐ No ☐
pH 8		_____ ft. _____ deg	Tally _____ ft.	Board _____ ft. Correction Yes ☐ No ☐
Other _____		_____ ft. _____ deg		
		_____ ft. _____ deg		

Operations past 24 hrs. Cut Core #2. Core barrel jammed at 6398. Pull core and lay core down. Go in rat hole and ream core hole and prepare to cut Core #3.

DAILY DRILLING REPORT

HELTON ENGINEERING LTD.

As of 8:00 a.m.

Well Name & No. DOME PROVO PAN AM CSP ALMX TROUT LK M-73

Date Jan. 26/67 Depth 6419 ft Progress 21 ft Day No. 21
 Operation Tripping
 Contract hrs. Day work hrs. Rotating hrs. 4-1/2 Trip hrs. 7-3/4
 Other Service Rig 1/2; Wait on orders 1; Ream 4-1/4; Circulate 1;
 Clean to bottom (12') 1/2; Cut line 1/2; Circulate and attempt
 to core 2-1/4; Pick up core barrel 1/2; Service core barrel 1-1/4.

MUD		SURVEYS	TRIPS — PULLED	
Properties	Additives			
Wt. _____	_____	_____ ft. _____ deg	Bit No. <u>13</u> @ <u>6419</u> ft. Fill _____ ft.	
Visc. _____	_____	_____ ft. _____ deg	Bit No. _____ @ _____ ft. Fill _____ ft.	
WL _____	_____	_____ ft. _____ deg	PIPE STRAPS	
FC _____	_____	_____ ft. _____ deg	Tally _____ ft. Board _____	Correction ft. Yes ☐ No ☐
pH _____	_____	_____ ft. _____ deg	Tally _____ ft. Board _____	Correction ft. Yes ☐ No ☐
Other _____	_____	_____ ft. _____ deg		
_____	_____	_____ ft. _____ deg		

Operations past 24 hrs. Ream core hole and go in with barrel to cut Core #5.
 Attempted to core, and made 6" in approximately 2 hours. Pull core
 barrel and found diamond core head completely bald.

Date Jan. 27/67 Depth 6427 ft Progress 8 ft Day No. 22
 Operation Logging
 Contract hrs. Day work hrs. Rotating hrs. 3-3/4 Trip hrs. 6-1/2
 Other Service Rig 1/2; Survey 1/4; Log 9-1/2; Ream 2; Core to log 1-1/2.

MUD		SURVEYS	TRIPS — PULLED	
Properties	Additives			
Wt. <u>9.0</u>	<u>49 Gel</u>	<u>6415</u> ft. <u>4</u> deg	Bit No. <u>14</u> @ <u>6428</u> ft. Fill _____ ft.	
Visc. <u>110</u>	<u>4 Benex</u>	_____ ft. _____ deg	Bit No. _____ @ _____ ft. Fill _____ ft.	
WL <u>6</u>	<u>50# CMC</u>	_____ ft. _____ deg	PIPE STRAPS	
FC <u>2/32</u>	_____	_____ ft. _____ deg	Tally _____ ft. Board _____	Correction ft. Yes ☐ No ☐
pH <u>9</u>	_____	_____ ft. _____ deg	Tally _____ ft. Board _____	Correction ft. Yes ☐ No ☐
Other _____	_____	_____ ft. _____ deg		
_____	_____	_____ ft. _____ deg		

Operations past 24 hrs. Go in hole with new drill bit. Cut 21 feet, and the
 bit stopped cutting. Took 1 hour to make the last foot. Pull bit,
 and the cones were completely smooth. Go in hole with new bit and
 drill. Made 8 feet, and the bit was worn out. Circulate and
 condition hole and wait on Schlumberger.

DAILY DRILLING REPORT

HELTON ENGINEERING LTD.

As of 8:00 a.m.

Well Name & No. DOME PROVO PAN AM CSP ALMX TROUT LK M-73

Date Jan. 28/67 Depth 6427 ft. Progress 0 ft. Day No. 23
 Operation Logging

Contract hrs. _____ Day work hrs. _____ Rotating hrs. _____ Trip hrs. _____
 Other Pick up packer 2-1/2; Run in with packer 2-3/4; Run Drill Stem
Test 5-1/4; Load up packer 1; Rig to log 4; Logging 7; Start
motors light plant and circ. water.

MUD		SURVEYS	TRIPS — PULLED	
Properties	Additives			
Wt. <u>9.0</u>		_____ ft. _____ deg	Bit No. _____ @ _____ ft.	Fill _____ ft.
Visc. <u>110</u>		_____ ft. _____ deg	Bit No. _____ @ _____ ft.	Fill _____ ft.
WL <u>6</u>		_____ ft. _____ deg	PIPE STRAPS	
FC <u>2/32</u>		_____ ft. _____ deg	Tally _____ ft.	Board _____ ft. Correction Yes ☐ No ☐
pH <u>9</u>		_____ ft. _____ deg	Tally _____ ft.	Board _____ ft. Correction Yes ☐ No ☐
Other _____		_____ ft. _____ deg		
_____		_____ ft. _____ deg		

Operations past 24 hrs. Finish running electric logs and wait on Velocity survey
equipment. Decided to run Drill Stem Test #1: 6354-6427, open 1 hour.
Recovered 615 feet salty brackish water, 1 minute preflow; ISI 2495/30"
FSI 2432/60", IF 96, FFP 320, IH 3062, FH 3062.

Date Jan 29/67 Depth 6427 ft. Progress _____ ft. Day No. 24
 Operation Plugging

Contract hrs. _____ Day work hrs. _____ Rotating hrs. _____ Trip hrs. _____
 Other Wait on orders 9; lay down drill collars 2; pick up pipe 2-1/2;
Run in the hole 3; Circ. 1/2; Run plug 1-1/2; W.O.C. 7.

MUD		SURVEYS	TRIPS — PULLED	
Properties	Additives			
Wt. _____		_____ ft. _____ deg	Bit No. _____ @ _____ ft.	Fill _____ ft.
Visc. _____		_____ ft. _____ deg	Bit No. _____ @ _____ ft.	Fill _____ ft.
WL _____		_____ ft. _____ deg	PIPE STRAPS	
FC _____		_____ ft. _____ deg	Tally _____ ft.	Board _____ ft. Correction Yes ☐ No ☐
pH _____		_____ ft. _____ deg	Tally _____ ft.	Board _____ ft. Correction Yes ☐ No ☐
Other _____		_____ ft. _____ deg		
_____		_____ ft. _____ deg		

Operations past 24 hrs. Waiting on orders until 5 P.M. Began plugging at
12:30 A.M., Plug #1 from 6427 - 6300; with 55 sacks down at 1:00 A.M.,
W.O.C.

DAILY DRILLING REPORT

HELTON ENGINEERING LTD.

As of 8:00 a.m.

Well Name & No. DOME PROVO PAN AM CSP ALMX TROUT LK M-73

Date Jan. 30/67 Depth 6427 ft. Progress ft. Day No. 25
 Operation Plugging
 Contract hrs. Day work hrs. Rotating hrs. Trip hrs.
 Other W.O.C. 9: Felt Plug #1 - 1/4; Lay down pipe 3; Run Plug #2 - 1/2;
Felt Plug #2 - 1/4; Tear out BOP's 3; Tear out Rig 8.

MUD		SURVEYS	TRIPS — PULLED	
Properties	Additives			
Wt. <u> </u>	<u> </u>	<u> </u> ft. <u> </u> deg	Bit No. <u> </u> @ <u> </u> ft. Fill <u> </u> ft.	
Visc. <u> </u>	<u> </u>	<u> </u> ft. <u> </u> deg	Bit No. <u> </u> @ <u> </u> ft. Fill <u> </u> ft.	
WL <u> </u>	<u> </u>	<u> </u> ft. <u> </u> deg	PIPE STRAPS	
FC <u> </u>	<u> </u>	<u> </u> ft. <u> </u> deg	Tally <u> </u> ft. Board <u> </u> ft.	Correction Yes ☐ No ☐
pH <u> </u>	<u> </u>	<u> </u> ft. <u> </u> deg	Tally <u> </u> ft. Board <u> </u> ft.	Correction Yes ☐ No ☐
Other <u> </u>	<u> </u>	<u> </u> ft. <u> </u> deg		

Operations past 24 hrs. W.O.C. on Plug #1. Felt Plug #1 at 6280 and lay
down drill pipe to run Plug #2. Ran Plug #2 from 970-870. W.O.C.
8 hours and feel Plug #2. Finish laying down pipe and tear out
blow out preventers and tear out rig.

Date Jan. 31/67 Depth 6427 ft. Progress ft. Day No. 26
 Operation Tearing out rig
 Contract hrs. Day work hrs. Rotating hrs. Trip hrs.
 Other Tear out rig 4 hours.

MUD		SURVEYS	TRIPS — PULLED	
Properties	Additives			
Wt. <u> </u>	<u> </u>	<u> </u> ft. <u> </u> deg	Bit No. <u> </u> @ <u> </u> ft. Fill <u> </u> ft.	
Visc. <u> </u>	<u> </u>	<u> </u> ft. <u> </u> deg	Bit No. <u> </u> @ <u> </u> ft. Fill <u> </u> ft.	
WL <u> </u>	<u> </u>	<u> </u> ft. <u> </u> deg	PIPE STRAPS	
FC <u> </u>	<u> </u>	<u> </u> ft. <u> </u> deg	Tally <u> </u> ft. Board <u> </u> ft.	Correction Yes ☐ No ☐
pH <u> </u>	<u> </u>	<u> </u> ft. <u> </u> deg	Tally <u> </u> ft. Board <u> </u> ft.	Correction Yes ☐ No ☐
Other <u> </u>	<u> </u>	<u> </u> ft. <u> </u> deg		

Operations past 24 hrs. Tear out rig. Rig released at 12 Noon, January 31, 1967

HEWSON ENGINEERING LTD.

WELL NAME: Dome - Peoria - Paul Am - CSP - Almk TROUT LAKE M-73

UNIT M SEC 73
GRID 60°40', 121°15'
NWT

DEVIATION SURVEYS

Depth Feet	Deviation Degrees	Change Degrees	Interval Feet	Hole Size Inches
100	1°	+ 1°	100	13 ³ / ₄
190	7 ¹ / ₈ °	- 1 ¹ / ₈ °	90	13 ³ / ₄
295	7 ¹ / ₈ °	-	105	13 ³ / ₄
385	3 ¹ / ₄ °	- 1 ¹ / ₈ °	90	13 ³ / ₄
495	1 ¹ / ₂ °	- 1 ¹ / ₄ °	110	13 ³ / ₄
690	1 ¹ / ₂ °	-	195	13 ³ / ₄
845	3 ¹ / ₄ °	+ 1 ¹ / ₄ °	155	13 ³ / ₄
920	3 ¹ / ₄ °	-	75	13 ³ / ₄
1230	1°	+ 1 ¹ / ₄ °	310	8 ³ / ₄
1705	1°	-	474	8 ³ / ₄
2180	3 ¹ / ₄ °	- 1 ¹ / ₄ °	476	8 ³ / ₄
2645	1 ¹ / ₄ °	+ 1 ¹ / ₂ °	465	8 ³ / ₄
2770	3 ¹ / ₄ °	- 1 ¹ / ₂ °	125	8 ³ / ₄
3015	1°	+ 1 ¹ / ₄ °	245	8 ³ / ₄
3250	5 ¹ / ₈ °	- 3 ¹ / ₈ °	235	8 ³ / ₄
3443	1°	+ 3 ¹ / ₈ °	193	8 ³ / ₄
3710	1°	-	267	8 ³ / ₄

HELTON ENGINEERING LTD.

WELL NAME: Dome - Props - Pan Am - CSP. ALMx M-73 - TROUT LAKE

DEVIATION SURVEYS

Depth Feet	Deviation Degrees	Change Degrees	Interval Feet	Hole Size Inches
3960	3°	+ 2°	250	8 ³ / ₄
3990	3°	-	30	8 ³ / ₄
4050	3°	-	60	8 ³ / ₄
4114	3°	-	64	8 ³ / ₄
4200	3°	-	86	8 ³ / ₄
4265	2 ¹ / ₂ °	- 1/2°	65	8 ³ / ₄
4449	3 ¹ / ₂ °	+ 1°	184	8 ³ / ₄
4511	5°	+ 1 ¹ / ₂ °	62	8 ³ / ₄
4572	3 ⁷ / ₈ °	- 1 ¹ / ₈ °	61	8 ³ / ₄
4630	3°	- 7/8°	58	8 ³ / ₄
4723	3°	-	93	8 ³ / ₄
4815	3°	-	92	8 ³ / ₄
4970	3°	-	155	8 ³ / ₄
5050	3°	-	80	8 ³ / ₄
5400	2 ¹ / ₂ °	- 1/2°	350	8 ³ / ₄
5460	1 ³ / ₄ °	- 3/4°	60	8 ³ / ₄
5610	2 ¹ / ₂ °	+ 3/4°	150	8 ³ / ₄

BIT RECORD

 Well Name *DOMIE-PROVO- PAN AM - CSP. ALMA* *TROUT LAKE M-13*

 Location *UNIT M SEC 73, GRID 60°40', 121°15' W* Prov. *NWT*

BIT No.	DEPTH		Size	MAKE AND TYPE	Footage	Hours Run	REMARKS
	From	To					
1A	0	413	13 ³ / ₄	HW OSC-3	413	15	
2A	413	922	13 ³ / ₄	HW OSC-3	509	15	
1	922	2212	8 ³ / ₄	HW OSC-3	1290	11 ³ / ₄	
2	2212	2772	8 ³ / ₄	HW OSC-3	560	12 ¹ / ₂	
3	2772	3473	8 ³ / ₄	HW X-VJ	701	21	
4	3473	4114	8 ³ / ₄	HW XVJ	641	33 ³ / ₄	
5	4114	4511	8 ³ / ₄	SEC MANGJ	397	21	
6	4511	4723	8 ³ / ₄	HW XICJ	212	18 ¹ / ₂	
7	4723	5060	8 ³ / ₄	HW OSCJ	337	23	
8	5060	5617	8 ³ / ₄	HW XIGJ	557	29 ¹ / ₄	
9	5617	5896	8 ³ / ₄	HW OWVJ	279	19	
10	5896	6136	8 ³ / ₄	HW XC	240	22 ³ / ₄	
11	6136	6314	8 ³ / ₄	HW XV	178	17 ³ / ₄	
1B	6314	6360	6 ¹ / ₈	CHRISTIANSON DIAMOND CORE	45.7	24 ¹ / ₂	
2B	6360 6320	6398	6 ¹ / ₈	CHRISTIANSON DIAMOND CORE	38		
3B	6398	6398.5	6 ¹ / ₈	CHRISTIANSON DIAMOND CORE	6"		NO DIAMONDS LEFT BIT COMPLETELY STUCK
12	6314	6398	8 ³ / ₄	SEC MANGJ	81		REAMED CORE HOLE COMPLETELY BALD 1/2" OUT OF GAUGE
13	6398	6419	8 ³ / ₄	HW X7	21	4 ¹ / ₂	
14	6419	6427	8 ³ / ₄	HW WTRZJ	8	3 ¹ / ₂	

HOME PROVO SAN AM CSP ALMX TROUT LK M-73

MUD SUMMARY

A gel type mud was used in this well from under surface casing to total depth. The Banff shales caved badly with up to 935 feet of fill encountered after trips. At 4500 feet, the viscosity was raised from 50 to 150 and the water loss was lowered to about 5. This was done by adding Benex and WL-100. The caving problems were measurably reduced, and good samples were obtained on the remainder of the well. After completion of the drilling, the entire logging program and one drill stem test was run, with no complications. Had the water loss been reduced, and the viscosity raised sooner some of the earlier problems of getting back to bottom after tripping, could possibly have been completely eliminated.

HELTON ENGINEERING LTD.

DRILL STEM TEST REPORT

NAME OF WELL Demo Packer Test Log TEST NO. 1 DATE Jan 21/67
 TESTING COMPANY EASTMAN OPERATOR Peter Smedley
 Size of Drill Pipe 1 1/2" X H O.D. of Packer Rubber 7 3/4" Type of Packer CAUTIONARY

Interval Tested 6354 Estimated Feet of Effective Porosity 2 1/2' Depth of Well 6422

Formation KEO RHEIR K.B. 1535 B.H. 1600
 Tested RE-CHUCKER Elevation 1821 Grd. 1821 Temp. 160°

Period Open Prior To Initial Shut In 1 MIN Pressure No. 17576 Depth 6360
 Recorder's: No. 23827 Depth 6426

Time tester opened 8:40 PM Time tester closed 9:40 PM

Period open 1 HR Period shut in (initial) 30 min Choke (final) 60 min

I.H.P. 3062 I.F.P. 96 Initial S.I.P. 2495
 F.H.P. 3062 F.F.P. 320 Final S.I.P. 2432

Initial puff WEAK AIR BLOW

Gas to surface NO GAS in _____ mins.

Fluid to surface _____ in _____ mins.

Gas Readings:

Time	Fluid in Manometer	Displacement	Size of Riser I.D.	Gas Blow
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

Pipe Recovery:
 Was test satisfactory? 615' salty brackish water
 Present at test Don FOTE, JOHN DYE
 Samples of Fluid Sent to _____ By _____
 Geologist or Engineer Arnold L. Lint

T.G. EASTLAND—testers ltd.

4440 50th St. NORTH EDMONTON ALBERTA PHONE 769 3321

SERVICE REPORT

TEST No One
Date Jan. 27, 1967
Ticket No 277

Well Name	Dome Provo Pan Am Trout Lake M73				Loc.	Trout Lake M73	
Formation Tested					TOOL ASSEMBLY		
Interval	6354'	To	6427'	Tail Pipe	73'	Components	Length
First Flow	1	mins.	Initial Shut-in	30	mins.		
Second Flow	60	mins.	Final Shut-in	60	mins.		
Maximum Formation Temp.	160		°F				
Fluid Cushion	Amount						
Total Fluid Recovered	615'						
Flow Rate	Mc/d Pitot Tube w/Water/Merc.				ins.		
Side Static Press. Gauge					psig.		
Type of test:	Standard Dual						
Fluid Description	615' salty brackish water						
Remarks G.I.P. Chase packer 4' - open on 1/2"							
Weak air blow throughout test.							
Was tool chased?							
Did mud level drop?							
When did mud level drop?							
Started in Hole	5:15 pm		Out of Hole	1:05 am			
Main Hole: Depth	6427'		Size	8 3/4"			
Rat Hole: Depth			Size				
Casing: Depth	922'	Size	9 5/8"		Weight		
Drill Pipe Size	4 1/2" XH						
Drill Collar: Size	I.D. Length						
Type of Packer(s)	Conv.		No. of Packers	2			
Size of Packer Rubber	7 3/4"						
Bottom Choke Size	1/2"		Surface Choke Size				
Drilling Fluid Type							
Viscosity	120	Weight	9.2	W.L.	5.2	Witnesses	
						Co. Rep.	John Dye
						Tester	Peter Sinkewich
						Toolpusher	Jim Micklas
						Drig. Cont.	Can-Tex Rig 6

PRESSURE DATA

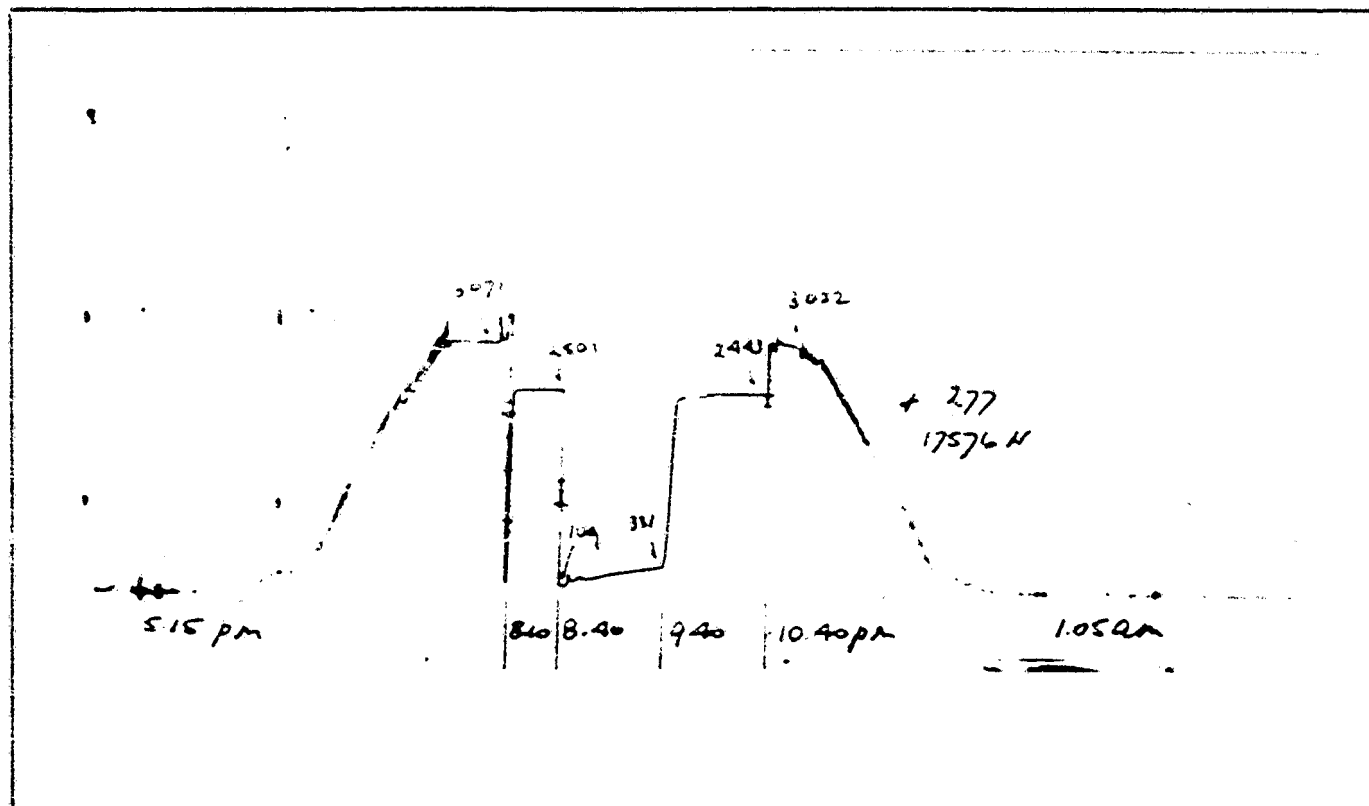
	Field Estimate	Corrected Readings		
Recorder Number		17576N	23827N	
Recorder Capacity (psig)		6000	6500	
Recorder Depth		6360	6426	
Recorder Position				
Clock Capacity (hours)		12	12	
Initial Hydrostatic	3062	3071	3104	
Initial Shut-in	2495	2501	2534	
Initial Flow	96	109	141	
Final Flow	320	331	362	
Final Shut-in	2432	2443	2475	
Final Hydrostatic	3062	3022	3054	

T.G. EASTLAND—testers ltd.

TEST No. One
Date Jan. 27, 1967
Ticket No. 277

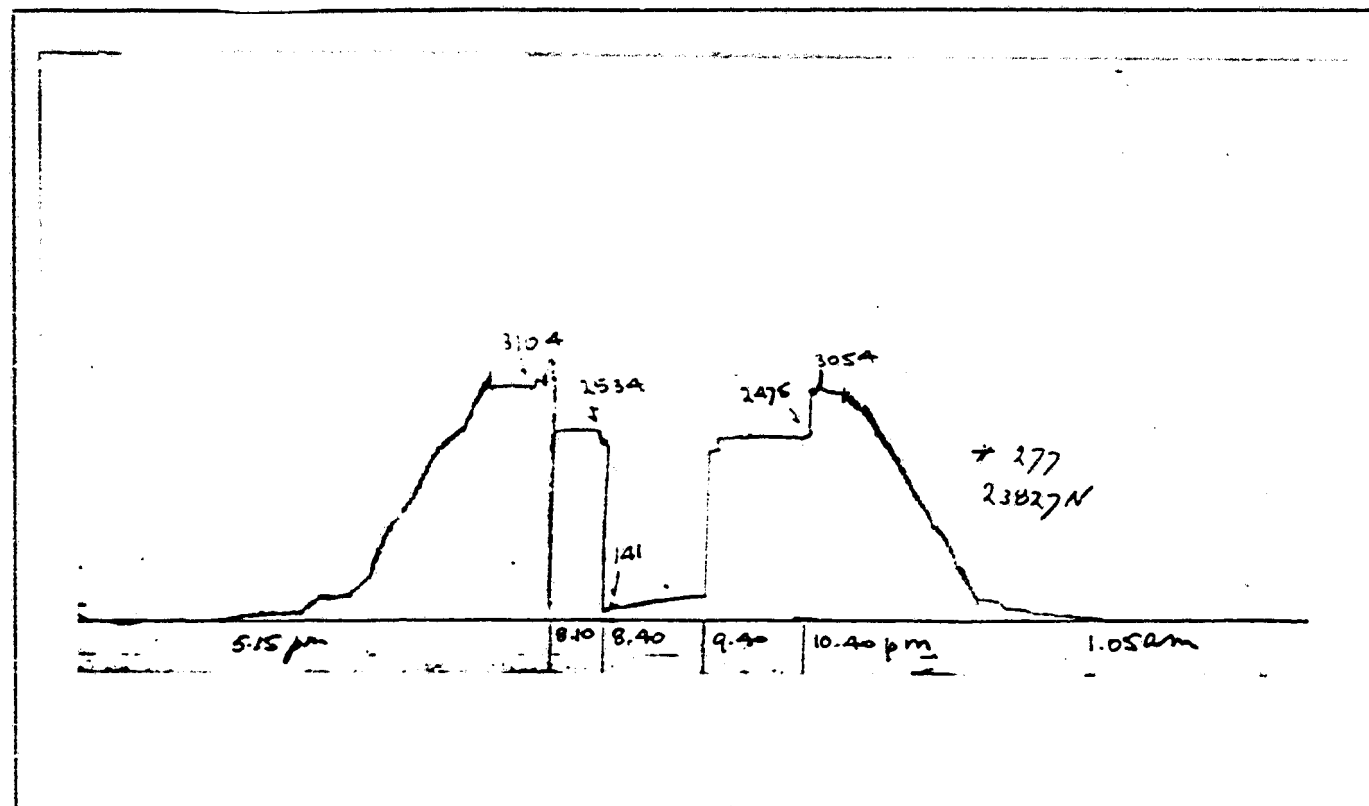
WELL NAME Dome Provo Pan Am Trout Lake M73

RECORDER No. 17576N ELEMENT RANGE 0-6000 P.S.I. CHART SPEED 12 HRS RECORDER DEPTH 6360'



TIME

RECORDER No. 23827N ELEMENT RANGE 0-6500 P.S.I. CHART SPEED 12 HRS RECORDER DEPTH 6426'



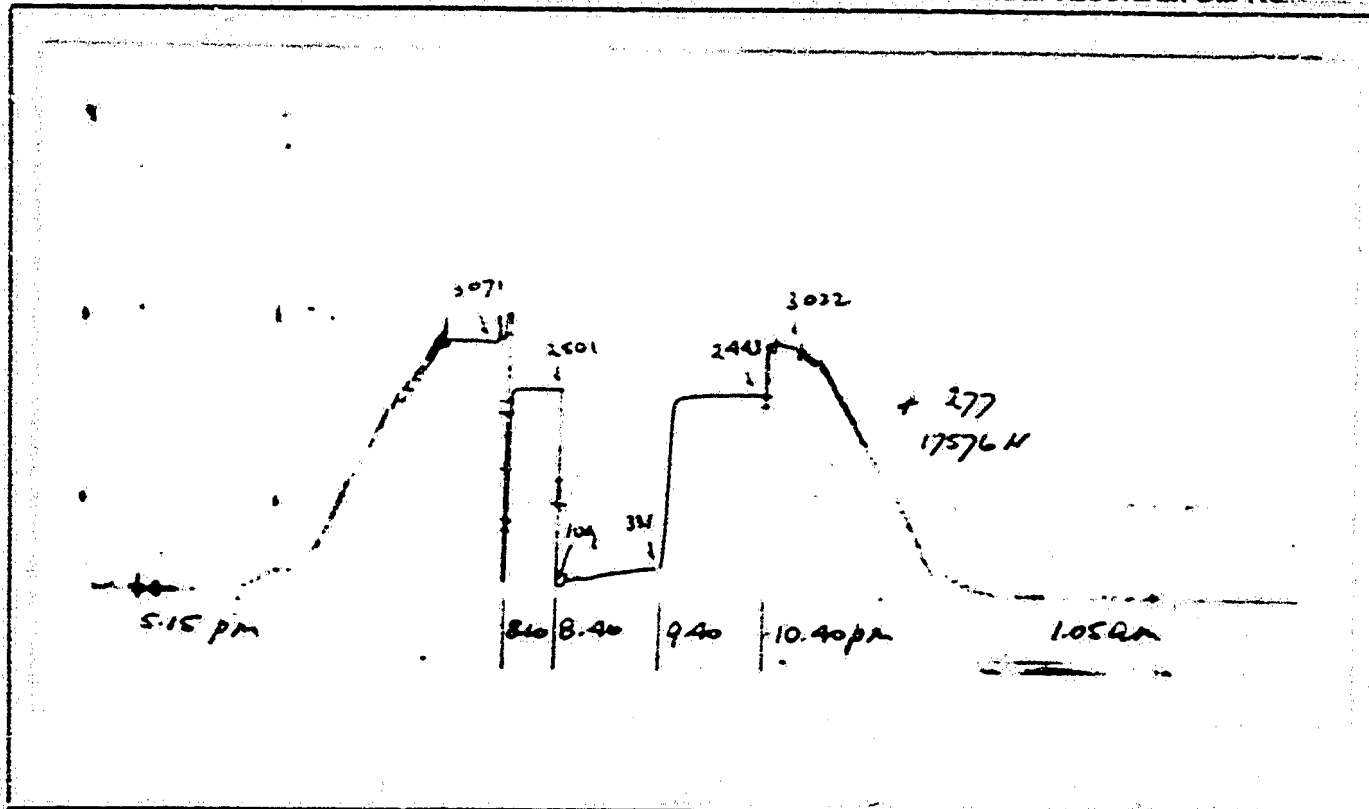
TIME

T.G. EASTLAND—testers Ltd.

TEST No. One
Date Jan. 27, 1967
Ticket No. 277

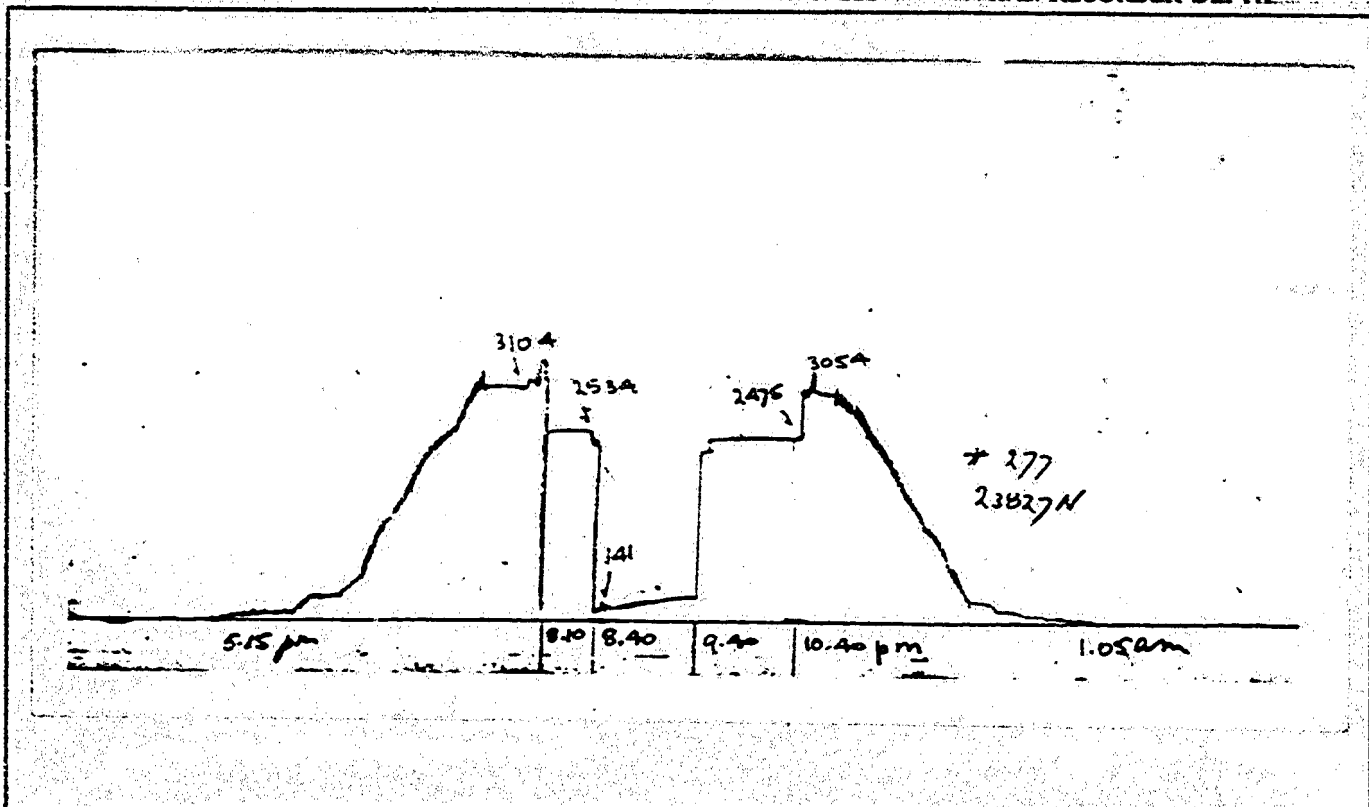
WELL NAME Dome Provo Pan Am Trout Lake M73

RECORDER No. 17576N ELEMENT RANGE 0-6000 P.S.I. CHART SPEED 12 HRS. RECORDER DEPTH 6360'



TIME

RECORDER No. 23827N ELEMENT RANGE 0-6500 P.S.I. CHART SPEED 12 HRS. RECORDER DEPTH 6426'



TIME

HELTON ENGINEERING LTD.

PLUG-BACK AND ABANDONMENT REPORT

Well DOME PROVO PAN AM CSP ALMX Location Unit M. Sec. 73, 600, 40' 121°15'
TROUT LK M-73 NWT

Hole Size	13-3/4	8-3/4		K.B. Elev.	1835
Depth	922	6427		F.T.D.	6427 Driller, 6424 ELog.

Casing in Hole	Size	Set at	Top of Cement	Fluid in Hole	Drilling Mud
Surface Casing	9-5/8	922	Surface	Plug Back String	
Production String	None			Service Company	Surface - Dowell Plugging Halliburton
				Cons. Bd. Officer	

	Plug 1	Plug 2	Plug 3	Plug 4	Plug 5	Plug 6
Date	January 28, 1967					
Interval - Top	6300	870				
Bottom	6427	970				
Formation - Name	Muskeg					
Depth	Keg River					
	Pre-Chinchaqa					
Calipered Hole Size (Average)	9"	12"				
Type of Cement	Construction					
No. of Sacks	55	85				
Additives						
Bbls. of Water Ahead	10	10				
Displacement - 2bbls. W. Mud	90	12				
Slurry Weight	14.5					
Mixing Times - Start	12:30AM	12:15 PM				
Finish	1:00AM	12:45 PM				
Displacing Times - Start						
Finish						
Felt Plug Time	9:00AM	8:45 PM				
Felt Plug Depth	6280	956				

Surface Casing Cut 3 Ft. Below Grd. Surface Plug 5 Sacks.
 Plate Welded Yes/No

CASING SALVAGE: Shot off at _____ No. of Jts. Recovered _____

Remarks _____

Operator Dome Petroleum Limited
 Agent of Operator John Dye

CHEMICAL & GEOLOGICAL LABORATORIES LTD.

WATER ANALYSIS

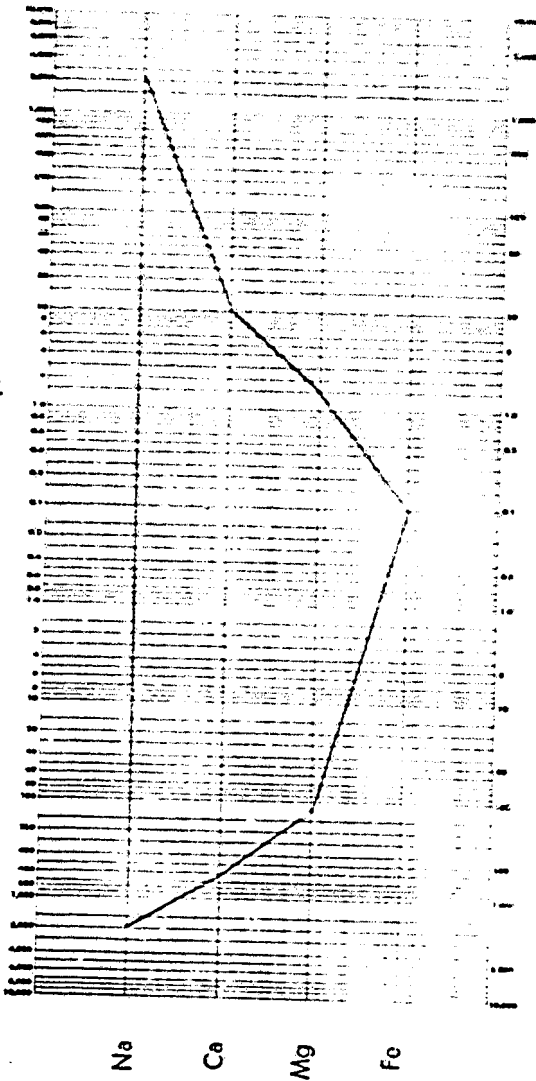
Lab No. C67-1298-3

Received: Feb. 8, 1967 Reported: Feb. 17, 1967 Well: location: Trout Lake
Operator: Dome Petroleum Limited Field or Area: N.W.T. - Yukon - Arctic
Elev.: K.B. Grd. Zone/Formation:
Method of Production: D.S.T. #1 Sampled from: Bottom Sample Interval:
OTHER PERTINENT DATA Sampled by: Date:

	(Signed)									
	Na	K	Ca	Mg	SO ₄	Cl	CO ₂	HCO ₃		
Mg./L	42,744		12,410	1552	69	92,000		650		
Meq./L	1859.37		619.50	127.57	1.44	2594.40		10.66		
wt. %	35.67		11.83	2.45	0.03	49.77		0.20		

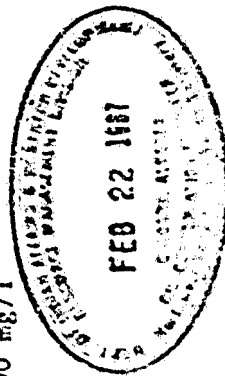
Total Solids Mg/L: By Evaporation 157,070 Fe Trace @60°F Observed pH 6.4 @ 65°F
Calculated 149,431 After Ignition 141,230 H₂S Nil @25°C Resistivity 0.062 ohm meters @ 68°F

Pattern Unit Meq./L



Remarks and Conclusions

C67-1298-1 Sampled from top
Resistivity: 0.123 ohm-meters @ 68°F
Chloride Content: 45,000 mg/l
pH: 6.8 @ 65°F
C67-1298-2 Sampled from middle
Resistivity: 0.064 ohm-meters @ 68°F
Chloride Content: 91,400 mg/l
pH: 6.5 @ 65°F



DAILY DRILLING REPORT

Date Jan 30 1967

Rig# 6 Location Home Place Dan Am Trout HK M-73 Job# 345

Rig# 6		Location		Name		Plan		Chart		T.H.		J.B.		345'		REMARKS		Time		Interval	
From		Footage		To		Hrs. on Bottom		Wt. Drill String (1000 lbs.)		DRILL COLLARS		FORMATION		OIL		Stands		Start		Stop	
6427 TD.										No. O.D. I.D. Wgt.				FUEL		Singles		1200			
														WATER		D. Collars					
No. Size Type		Size Jets		Serial No.		Weight		R.P.M.		Ft. Drilled		Hrs. Feet Reamed		Hrs. CONDITION		Other Ft.					
MUD		12 Mn.		2 a.m.		4 a.m.		6 a.m.		Additives		At Surveys Degree		MOTOR HOURS		Next Oil Change					
WEIGHT														1							
VISCOSITY														2							
GEL														3							
No. 1 Pres- sure														4							
Model S.P.M.														5							
Liner Size																					
No. 2 Pres- sure																					
Model S.P.M.																					
Liner Size																					
W.L.		F.C.		pH.																	
From		Footage		To		Hrs. on Bottom		Wt. Drill String (1000 lbs.)		DRILL COLLARS		FORMATION		OIL		Stands		Company Time		Cost'r Time	
										No. O.D. I.D. Wgt.				FUEL		Singles					
														WATER		D. Collars					
No. Size Type		Size Jets		Serial No.		Weight		R.P.M.		Ft. Drilled		Hrs. Feet Reamed		Hrs. CONDITION		Other Ft.					
MUD		8 a.m.		10 a.m.		12 Noon		2 p.m.		Additives		At Surveys Degree		MOTOR HOURS		Next Oil Change					
WEIGHT														1							
VISCOSITY														2							
GEL														3							
No. 1 Pres- sure														4							
Model S.P.M.														5							
Liner Size																					
No. 2 Pres- sure																					
Model S.P.M.																					
Liner Size																					
W.L.		F.C.		pH.																	
From		Footage		To		Hrs. on Bottom		Wt. Drill String (1000 lbs.)		DRILL COLLARS		FORMATION		OIL		Stands		Company Time		Cost'r Time	
										No. O.D. I.D. Wgt.				FUEL		Singles					
														WATER		D. Collars					
No. Size Type		Size Jets		Serial No.		Weight		R.P.M.		Ft. Drilled		Hrs. Feet Reamed		Hrs. CONDITION		Other Ft.					
MUD		4 p.m.		6 p.m.		8 p.m.		10 p.m.		Additives		At Surveys Degree		MOTOR HOURS		Next Oil Change					
WEIGHT														1							

Totco Ring on Bit No. _____ D.P. Calipered Date _____ Results _____ Boiler in Operation yes Toolpusher James Nicholas
B.O.P. Test-Operated _____ Time _____ Results _____ Approved by [Signature]

DAILY DRILLING REPORT

Date Apr 28 1967

Rig# 6 Location DOME PROVO PAN AM TROUT LK M-23 Job# 3451

[illegible]

Totco Ring on Bit No. _____ D.P. Calipered Date _____ Results _____ Boiler in Operation yes Toolpusher James H. Muller
B.O.P. Test-Operated _____ Time _____ Results _____ Approved by: _____

CAN-TEX DRILLING & EXPLORATION LTD.

DAILY DRILLING REPORT

Date Jan 22 19 62Rig# 6 Location Dame Power Plant Heat Exch. M73 Job# 345

REMARKS															Start	Time Stop	Interval							
From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FORMATION		OIL	4 1/2	Stands	64										
					No.	O.D.	I.D.	Wgt.			FUEL		Singles	2										
											WATER	3/4	6 4 1/2 93											
B	No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION	D. Collars											
I													447.36											
S													Other Ft.											
MUD															12 Mn.	2 a.m.	4 a.m.	6 a.m.	Additives	At Surveys Degree	MOTOR HOURS	Next Oil Change		
WEIGHT																					1	59.24	6171	
VISCOSITY																					2	57.99	5250	
GEL																					3			
P	No. 1	Pressure																						
U	Model	S.P.M.																						
M	Liner Size																							
P	No. 2	Pressure																						
S	Model	S.P.M.																						
W.L.															F.C.									
Checked all chains in drawworks																								
Change oil in air compressor																								
From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FORMATION		OIL		Stands											
					No.	O.D.	I.D.	Wgt.			FUEL		Singles											
											WATER		Other Ft.											
B	No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION	D. Collars											
I													447.36											
S													Other Ft.											
MUD															8 a.m.	10 a.m.	12 Noon	2 p.m.	Additives	At Surveys Degree	MOTOR HOURS	Next Oil Change		
WEIGHT																					1			
VISCOSITY																					2			
GEL																					3			
P	No. 1	Pressure																						
U	Model	S.P.M.																						
M	Liner Size																							
P	No. 2	Pressure																						
S	Model	S.P.M.																						
W.L.															F.C.									
Change oil in air compressor																								
From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FORMATION		OIL	30	Stands											
					No.	O.D.	I.D.	Wgt.			FUEL	38	Singles											
											WATER	3/4	Other Ft.											
B	No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION	D. Collars											
I													447.36											
S													Other Ft.											
MUD															4 p.m.	6 p.m.	8 p.m.	10 p.m.	Additives	At Surveys Degree	MOTOR HOURS	Next Oil Change		
WEIGHT																					1			
VISCOSITY																					2			
GEL																					3			
P	No. 1	Pressure																						
U	Model	S.P.M.																						
M	Liner Size																							
P	No. 2	Pressure																						
S	Model	S.P.M.																						
W.L.															F.C.									
MAKE UP PACKER																								
Run in all packer - Head up																								
Initial shut in																								
Packer Open																								
Final shut in																								
Run in all Hammer Head																								

Totco Ring on Bit No. _____ D.P. Calipered Date _____ Results _____ Boiler in Operation yes Toolpusher James Nichols

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

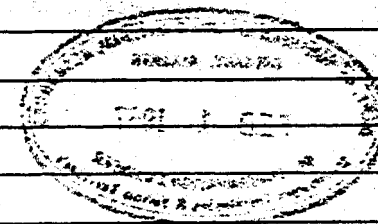
CAN-TEX DRILLING & EXPLORATION LTD.

DAILY DRILLING REPORT

Date JAN 26 1967

Rig# 6 Location DOME Pt. PAUL HILL Trout Lake 1773 Job# 345

REMARKS															Time		
															Start	Stop	Interval
From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FORMATION		OIL	STANDS					
					No.	O.D.	I.D.	Wgt.									
6398	21	6419	4 1/2	126	16	13 1/2	2 1/2	39				64					
Wait on orders															12:00	1	1
Run in w/ Bit Break															1:00		
Circ @ 4000' Run in																3:00	2
Clean to Bottom 12'															3:00	3:30	1/2
Drill 8 3/4 Hole															3:30	8:00	4 1/2
MUD																	
WEIGHT																	
VISCOSITY																	
GEL																	
MOTOR HOURS																	
Next Oil Change																	
C.B. Ft.																	
Subs. Ft.																	
Ft. Up On Kelly																	
TOTAL																	
Company Time																	
Cont'r Time																	
From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FORMATION		OIL	STANDS					
					No.	O.D.	I.D.	Wgt.									
6417	2	6419	1	126	16	13 1/2	2 1/2	39				64					
Drill															8:00	8:15	1/4
Drop Service															8:15	8:30	1/4
Trip for Bit															8:30	10:00	1 3/4
Big Service Baps Check															10:00	10:15	1/4
Run in with Bit															10:15	12:15	2
Break Circ															12:15	12:30	1/4
Run in with Bit															12:30	1:15	3/4
Perm Under Stage Hole															1:15	3:15	2
Drilling															3:15	4:00	3/4
MUD																	
WEIGHT																	
VISCOSITY																	
GEL																	
MOTOR HOURS																	
Next Oil Change																	
C.B. Ft.																	
Subs. Ft.																	
Ft. Up On Kelly																	
TOTAL																	
Company Time																	
Cont'r Time																	
From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FORMATION		OIL	STANDS					
					No.	O.D.	I.D.	Wgt.									
6421	6	6427	2 1/4	128	16	13 1/2	2 1/2	39				64					
Per Service															4:00	4:15	1/4
Drill 8 3/4 Hole															4:15	7:00	2 3/4
Circulate To Log															7:00	8:30	1 1/2
Hurt To Log															8:30	10:30	2
Per Schumberger + Log															10:30	12:00	1 1/2
MUD																	
WEIGHT																	
VISCOSITY																	
GEL																	
MOTOR HOURS																	
Next Oil Change																	
C.B. Ft.																	
Subs. Ft.																	
Ft. Up On Kelly																	
TOTAL																	
Company Time																	
Cont'r Time																	



Totco Ring on Bit No. 13

D.P. Calipered Date

Results

Boiler in Operation

Toolpusher

Approved by

B.C.P. Test-Operated

Time

Results

CAN-TEX DRILLING & EXPLORATION LTD.

DAILY DRILLING REPORT

Date JAN 25 1967Rig# 6397 Location BONE PROUD PAIN AM TROUT LAKE Job# 345

REMARKS															Start	Stop	Interval
From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FORMATION		OIL	1.5	Stands	63			
6397	1	6398	1	124	16	6 1/2	2 1/2	39			FUEL	1.5	Singles	2			
															1200	100	1
															100	300	2
															300	500	2
															500		
															700		
															800		
															900		
															1000		
															1100		
															1200		
															1300		
															1400		
															1500		
															1600		
															1700		
															1800		
															1900		
															2000		
															2100		
															2200		
															2300		
															2400		
															2500		
															2600		
															2700		
															2800		
															2900		
															3000		
															3100		
															3200		
															3300		
															3400		
															3500		
															3600		
															3700		
															3800		
															3900		
															4000		
															4100		
															4200		
															4300		
															4400		
															4500		
															4600		
															4700		
															4800		
															4900		
															5000		
															5100		
															5200		
															5300		
															5400		
															5500		
															5600		
															5700		
															5800		
															5900		
															6000		
															6100		
															6200		
															6300		
															6400		
															6500		
															6600		
															6700		
															6800		
															6900		
															7000		
															7100		
															7200		
															7300		
															7400		
															7500		
															7600		
															7700		
															7800		
															7900		
															8000		
															8100		
															8200		
															8300		
															8400		
															8500		
															8600		
															8700		
															8800		
															8900		
															9000		
															9100		
															9200		
															9300		
															9400		
															9500		
															9600		
															9700		
															9800		
															9900		
															10000		

Totco Ring on Bit No. _____ D.P. Calipered Date _____ Results _____ Boiler in Operation Yes Toolpusher James M. Mick
 B.O.P. Test-Operated _____ Time _____ Results _____ Approved by _____

CAN-TEX DRILLING & EXPLORATION LTD.

DAILY DRILLING REPORT

Date JAN 24 1967Rig# 6 Location Don't Know From Hill-Trou Lake M. 73 Job# 345

REMARKS															Time		
															Start	Stop	Interval
From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FORMATION	OIL	30	Stands	63				
6360	5	6365	3	128	No.	O.D.	I.D.	Wgt.		FUEL	50	Singles	581536				
										WATER	1/2	D. Collars	44736				
B I T S																	
No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION	Other Ft.					
1	6 3/4	0		0266	10-14	100	5	3				C.B. Ft.					
MUD																	
12 Mm.				2 a.m.	4 a.m.	6 a.m.	Additives	At Surveys Degree				MOTOR HOURS	Next Oil Change				
WEIGHT				9.0 9.0				6300 4°				1	6170				
VISCOSITY				300 160								2	5750				
GEL												3					
No. 1 Pressure				900 900								4					
Model S.P.M.				41 48								5					
Liner Size				6"								TOTAL					
No. 2 Pressure												6365					
Model S.P.M.												Subs. Ft.					
Liner Size												Ft. Up On Kelly 2					
General												TOTAL					
Size				TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or	Cut	Feet Left on Spool	Next Slip					
1 5/8				6	148	6232					31.09	6570					
W.L. <u>7.2</u> F.C. <u>342</u> pH <u>8.0</u>																	
From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FORMATION	OIL		Stands	581536				
6365	16	6381	8	128	No.	O.D.	I.D.	Wgt.		FUEL		Singles	800 400 8				
										WATER		D. Collars	44736				
B I T S																	
No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION	Other Ft.					
1	6 3/4	0		0266	10-14	100	31	11				C.B. Ft.					
MUD																	
12 Mm.				10 a.m.	12 Noon	2 p.m.	Additives	At Surveys Degree				MOTOR HOURS	Next Oil Change				
WEIGHT				9.0 9.0 9.0				6300 4°				1	6170				
VISCOSITY				300 300 300								2	5750				
GEL												3					
No. 1 Pressure				1000 1000 1000								4					
Model S.P.M.				36 36 36								5					
Liner Size				6"								TOTAL					
No. 2 Pressure												6381					
Model S.P.M.												Subs. Ft.					
Liner Size												Ft. Up On Kelly 19					
General												TOTAL					
Size				TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or	Cut	Feet Left on Spool	Next Slip					
1 5/8				6	148	6232					31.09	6570					
W.L. <u>7.2</u> F.C. <u>342</u> pH <u>8.0</u>																	
From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FORMATION	OIL	30	Stands	581536				
6381	16	6397	8	124	No.	O.D.	I.D.	Wgt.		FUEL	54	Singles	800 1200 8				
										WATER	3/4	D. Collars	44736				
B I T S																	
No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION	Other Ft.					
10	1 1/2	Blade		02-66	1200	100	37	19				C.B. Ft.					
MUD																	
4 p.m.				6 p.m.	8 p.m.	10 p.m.	Additives	At Surveys Degree				MOTOR HOURS	Next Oil Change				
WEIGHT				9.0 9.0 9.0				6300 4°				1	5124 6170				
VISCOSITY				200 200 200								2	5764 5750				
GEL				120								3					
No. 1 Pressure				1170								4					
Model S.P.M.				36								5					
Liner Size				6"								TOTAL					
No. 2 Pressure												6397					
Model S.P.M.												Subs. Ft.					
Liner Size												Ft. Up On Kelly 32.00					
General												TOTAL					
Size				TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or	Cut	Feet Left on Spool	Next Slip					
1 1/2				6	148	6232					31.09	6570					
W.L. <u>5.6</u> F.C. <u>212</u> pH <u>8.0</u>																	

Totco Ring on Bit No.

D.P. Calipered Date

Results

Boiler in Operation

Toolpusher

B.O.P. Test-Operated

Time

Results

Approved by

James Nickles

CAN-TEX DRILLING & EXPLORATION LTD.

DAILY DRILLING REPORT

Date JAN 23 1967Rig# 6 Location DOME PROUD PINE HILL TROUT LAKE Job# 345

REMARKS															Time														
															Start	Stop	Interval												
From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FORMATION	OIL	WATER	Stands																	
6347	13	6360	6 ³ / ₄	128	No.	O.D.	I.D.	Wgt.				581536																	
												Singles																	
CUTTING CORE NOT															12 ⁰⁰	6 ⁴⁵	6 ³ / ₄												
TRIP OUT JAMED BPL															6 ⁴⁵	5 ⁰⁰	1 ¹ / ₄												
B	No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION	D. Collars																
I	1	6 ³ / ₄	4		02-6612-14	107	46	242					40736																
T															Other Ft.														
S															C.B. Ft.														
MUD															12 M.	2 a.m.	4 a.m.	6 a.m.	Additives	At Surveys Degree	MOTOR HOURS	Next Oil Change							
WEIGHT															8.9	8.9	8.9				1	5924	6170						
VISCOSITY															120	110	95		W.L. 100-50		2	5729	5750						
GEL																					3								
P															No. 1	Pressure	1000	1000			4								
U															Model	S.P.M.	48	20			5								
M															Liner Size	6"	6"		Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet Cut	Feet Left on Spool	Next Slip		
P															No. 2	Pressure			18	595	6	5934		3259	6074				
S															Model	S.P.M.			General										
															Liner Size				Reamed	45" line									
W.L.															F.C.	3/4	pH.						Company Time	Cont'r Time					
From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FORMATION	OIL	WATER	Stands																	
6346	6	6320	1	128	No.	O.D.	I.D.	Wgt.				581536																	
												Singles																	
TRIP FOR CORE															8 ⁰⁰	9 ³⁰	1 ³ / ₄												
LIFT DOWN CORE SERVICE C.A.S. H.A.H.															9 ³⁰	11 ³⁰	2												
Run in Collars															11 ³⁰	12 ⁰⁰	1												
Slip 50 FEET LINE - C.T. 12 ⁰⁰															12 ⁰⁰	10 ⁰⁰	1												
R.C. SERVICE Props CHECKED															10 ⁰⁰	11 ⁴⁵	1 ⁴ / ₄												
Run in TO REAM RAT HOLE															11 ⁴⁵	2 ⁴⁵	1 ¹ / ₂												
BREAK C.P.R.															2 ⁴⁵	3 ⁰⁰	1 ¹ / ₄												
REAM RAT HOLE															3 ⁰⁰	4 ⁰⁰	1												
MUD															8 a.m.	10 a.m.	12 Noon	2 p.m.	Additives	At Surveys Degree	MOTOR HOURS	Next Oil Change							
WEIGHT																					1	5954	6170						
VISCOSITY																					2	5729	5750						
GEL																					3								
P															No. 1	Pressure	800				4								
U															Model	S.P.M.	57				5								
M															Liner Size	6"	6"		Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet Cut	Feet Left on Spool	Next Slip		
P															No. 2	Pressure			16	545	6	6093	50	50	3609	6570			
S															Model	S.P.M.			General										
															Liner Size	6"													
W.L.															F.C.		pH.						Company Time	Cont'r Time					
From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FORMATION	OIL	WATER	Stands																	
6320	Reamed	6360	6 ³ / ₄	128	No.	O.D.	I.D.	Wgt.				581536																	
												Singles																	
TRIP TO CORE															10 ¹⁵	11 ¹⁵	1												
TRIP TO CORE															11 ¹⁵	12 ⁰⁰	3 ⁴ / ₄												
B	No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION	D. Collars																
I	12	8 ³ / ₄	4-16	3-15	37403	8-10	85			46	74		44736																
T															Other Ft.														
S															C.B. Ft.														
MUD															4 p.m.	6 p.m.	8 p.m.	10 p.m.	Additives	At Surveys Degree	MOTOR HOURS	Next Oil Change							
WEIGHT																					1	5954	6170						
VISCOSITY																					2	5731	5750						
GEL																					3								
P															No. 1	Pressure	800	500	300	150		4							
U															Model	S.P.M.	57	57	57	60		5							
M															Liner Size	6"	6"	6"	6"		Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet Cut	Feet Left on Spool	Next Slip
P															No. 2	Pressure					10	545		1033		3609	6570		
S															Model	S.P.M.			General										
															Liner Size	6"													
W.L.															F.C.	2/32	pH.						Company Time	Cont'r Time					

Totco Ring on Bit No.

D.P. Caliper Date

Results

Bailer in Operation

Toolpusher

B.O.P. Test-Operated

Time

Results

Approved by

James Shields

CAN-TEX DRILLING & EXPLORATION LTD.

DAILY DRILLING REPORT

Date JAN 22 1967

Rig# 16 Location DOME PRUD. P. M. M. TROUT LAKE M.B. Job# 345

REMARKS															Start	Time	Interval														
From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FORMATION	OIL	52	Stands 62																			
6314	2	6316	1 3/4	128	No.	O.D.	I.D.	Wgt.		FUEL	52	Singles 2																			
										WATER	52	528385																			
B	No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION	D. Collars																		
I	11	3 3/4	YHT	3-15	77435	95	178	193					44736																		
T					02-66	9-10	6494	2	134				Other Ft.																		
S													C.B. Ft.																		
													6537																		
MUD															12 Mm.	2 a.m.	4 a.m.	6 a.m.	Additives	At Surveys Degree	MOTOR HOURS	Next Oil Change									
WEIGHT																				6300	4°	1	5954	6170							
VISCOSITY																						2	5926	5750							
GEL																						3									
P															No. 1	Pressure						4									
U															Model	S.P.M.						5									
M															Liner	Size															
P															No. 2	Pressure															
S															Model	S.P.M.															
															Liner	Size															
W.L.															F.C.																
From															Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FORMATION	OIL	52	Stands 62					
6317															17	6334	8	128	No.	O.D.	I.D.	Wgt.		FUEL	52	Singles 2					
B															No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION	D. Collars				
I															14	4			02-66	14	92	19	93				44736				
T																										Other Ft.					
S																										C.B. Ft.					
																										6537					
MUD															8 a.m.	10 a.m.	12 Noon	2 p.m.	Additives	At Surveys Degree	MOTOR HOURS	Next Oil Change									
WEIGHT																															
VISCOSITY																															
GEL																															
P															No. 1	Pressure															
U															Model	S.P.M.															
M															Liner	Size															
P															No. 2	Pressure															
S															Model	S.P.M.															
															Liner	Size															
W.L.															F.C.																
From															Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FORMATION	OIL	52	Stands 63					
6334															13	6347	8	128	No.	O.D.	I.D.	Wgt.		FUEL	52	Singles 2					
B															No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION	D. Collars				
I															14	0			02-66	14	140	32	173				44736				
T																										Other Ft.					
S																										C.B. Ft.					
																										6537					
MUD															4 p.m.	6 p.m.	8 p.m.	10 p.m.	Additives	At Surveys Degree	MOTOR HOURS	Next Oil Change									
WEIGHT																															
VISCOSITY																															
GEL																															
P															No. 1	Pressure															
U															Model	S.P.M.															
M															Liner	Size															
P															No. 2	Pressure															
S															Model	S.P.M.															
															Liner	Size															
W.L.															F.C.																

Totco Ring on Bit No. _____ D.P. Calipered Date _____ Results _____ Boiler in Operation 1450 _____ Toolpusher James Michels _____
 B.O.P. Test-Operated _____ Time _____ Results _____ Approved by _____

CAN-TEX DRILLING & EXPLORATION LTD.

DAILY DRILLING REPORT

Date June 21 1967Rig# 6 Location Donie Pond Pan Am Trout Lake M72 Job# 345

REMARKS															Start	Time	Interval
From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FORMATION	OIL	Stands						
1136	56	6142	5 1/4	122	No.	O.D.	I.D.	Wgt.		69	5716 9/16						
										FUEL	2 1/4						
										WATER	3/4						
Singles															12:00	12:15	1/4
R. SERVICE															12:15	1:45	1 1/2
Run in															1:45	2:30	1
Churn 65' To Btm															2:30	2:50	5 1/4
Drill 2 3/4 hole																	
D. Collars																	
447.36																	
Other Ft.																	
C.B. Ft.																	
Subs. Ft.																	
Ft. Up On Kelly																	
1232																	
TOTAL																	
6192																	
MUD																	
WEIGHT																	
195.40																	
VISCOSITY																	
1200																	
GEL																	
1200																	
Additives																	
At Surveys Degree																	
MOTOR HOURS																	
Next Oil Change																	
1																	
2																	
3																	
4																	
5																	
PUMP																	
No. 1																	
Model																	
S.P.M.																	
Liner Size																	
No. 2																	
Model																	
S.P.M.																	
Liner Size																	
General																	
W.L.																	
F.C.																	
pH																	
Company Time																	
Cost's Time																	
Rig Ser - Bops															8:00	8:15	1/4
Drill 2 3/4 Hole															8:15	8:25	1/4
D. Collars																	
447.36																	
Other Ft.																	
C.B. Ft.																	
Subs. Ft.																	
Ft. Up On Kelly																	
1232																	
TOTAL																	
6192																	
MUD																	
WEIGHT																	
113																	
VISCOSITY																	
135																	
GEL																	
135																	
Additives																	
At Surveys Degree																	
MOTOR HOURS																	
Next Oil Change																	
1																	
2																	
3																	
4																	
5																	
PUMP																	
No. 1																	
Model																	
S.P.M.																	
Liner Size																	
No. 2																	
Model																	
S.P.M.																	
Liner Size																	
General																	
W.L.																	
F.C.																	
pH																	
Company Time																	
Cost's Time																	
Drilling															4:00	7:15	3 1/4
Rig Service															7:15	7:30	1/4
Drilling															7:30	9:00	1 1/2
Circ To Core															9:00	10:30	1 1/2
Drop Service															10:30	10:45	1/4
Trip To Core															10:45	12:00	1 1/4
D. Collars																	
447.36																	
Other Ft.																	
C.B. Ft.																	
Subs. Ft.																	
Ft. Up On Kelly																	
1232																	
TOTAL																	
6192																	
MUD																	
WEIGHT																	
135																	
VISCOSITY																	
135																	
GEL																	
135																	
Additives																	
At Surveys Degree																	
MOTOR HOURS																	
Next Oil Change																	
1																	
2																	
3																	
4																	
5																	
PUMP																	
No. 1																	
Model																	
S.P.M.																	
Liner Size																	
No. 2																	
Model																	
S.P.M.																	
Liner Size																	
General																	
W.L.																	
F.C.																	
pH																	
Company Time																	
Cost's Time																	

Totco Ring on Bit No. _____ D.P. Calipered Date _____ Results _____ Boiler in Operation yes Toolpusher James Michels

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

CAN-TEX DRILLING & EXPLORATION LTD.

DAILY DRILLING REPORT

Date JAN 20 1967Rig# 6 Location Pointe Ronde Bay Min Trout Lake #193 Job# 345

REMARKS															Time					
															Start	Stop	Interval			
From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FORMATION		OIL	83	Stands							
5913	87	6550	74	122	No.	O.D.	I.D.	Wgt.			FUEL	78	Singles							
											WATER	3/4								
B	No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION	D. Collars							
I	10	3 1/4	XC	2-15	77498	35	85	104	10			100%	447.36							
T														Other Ft.						
S														C.B. Ft.						
MUD				12 Mm.	2 a.m.	4 a.m.	6 a.m.	Additives				At Surveys Degree	MOTOR HOURS	Next Oil Change						
WEIGHT				9.1	7.1	7.1	9.1	GEL - 5000				5876	48	1	215	6170				
VISCOSITY				30	65	70	100	GEL - 50						2	5101	2750				
GEL																				
PUMP				No. 1	Pressure											4				
Model				S.P.M.											5					
Liner Size				6"	Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or	Cut	Feet Left on Spool	Next Slip						
No. 2				Pressure																
Model				S.P.M.																
Liner Size				6"																
W.L. 6.0 F.C. 452 pH. 8															Company Time			Cont'r Time		
From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FORMATION		OIL	71	Stands							
6000	87	6087	74	122	No.	O.D.	I.D.	Wgt.			FUEL	68	Singles							
											WATER	3/4								
B	No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION	D. Collars							
I	10	3 1/4	XC	2-15	77498	35	85	191	10			100%	447.36							
T														Other Ft.						
S														C.B. Ft.						
MUD				8 a.m.	10 a.m.	12 Noon	2 p.m.	Additives				At Surveys Degree	MOTOR HOURS	Next Oil Change						
WEIGHT				9.1	9.0	9.0	9.0	GEL - 1500						1	5154	6170				
VISCOSITY				100	92	84	84	GEL - 8						2	5106	5750				
GEL																				
PUMP				No. 1	Pressure											4				
Model				S.P.M.											5					
Liner Size				6"	Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or	Cut	Feet Left on Spool	Next Slip						
No. 2				Pressure																
Model				S.P.M.																
Liner Size				6"																
W.L. 5.8 F.C. 131 pH. 8															Company Time			Cont'r Time		
From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FORMATION		OIL	61	Stands							
6087	49	6136	5	124	No.	O.D.	I.D.	Wgt.			FUEL		Singles							
											WATER									
B	No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION	D. Collars							
I	10	3 3/8	XC	2-18	77498	35	85	340	22			100%	447.36							
T	11	3 3/8	XU	3-15	77435															
S														Other Ft.						
MUD				4 p.m.	6 p.m.	8 p.m.	10 p.m.	Additives				At Surveys Degree	MOTOR HOURS	Next Oil Change						
WEIGHT					8.9	8.9		GEL - 4500				5896	48	1	5454	6170				
VISCOSITY					86	120		NO STICK 3 GAL.						2	5706	5750				
GEL																				
PUMP				No. 1	Pressure											4				
Model				S.P.M.											5					
Liner Size				6"	Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or	Cut	Feet Left on Spool	Next Slip						
No. 2				Pressure																
Model				S.P.M.																
Liner Size				6"																
W.L. F.C. pH.															Company Time			Cont'r Time		

Totco Ring on Bit No.

D.P. Calipered Date

Results

Boiler in Operation

Toolpusher

B.O.P. Test-Operated

Time

Results

Approved by

James Michels

DAILY DRILLING REPORT

Date JAN 19 1967

Rig# 6 Location Voms Power Plant Trout Lake #73 Job# 345

REMARKS

From		Footage		To		Hrs. on Bottom		Wt. Drill String (1000 lbs.)		DRILL COLLARS			FORMATION		OIL		FUEL		WATER		Stands		
No.		Size		Type		Size Jets		Serial No.		Weight		R.P.M.		Ft. Drilled		Hrs.		Feet Reamed		Hrs.		CONDITION	
5811		109		5820		7		124		16		6 3/4		2 1/8		39						5817 1/2	
9		3/4		DWT		2-1/4		72042		35-30		85		202		1 1/4						447.36	
MUD		12 Mn.		2 a.m.		4 a.m.		6 a.m.		Additives		At Surveys Degree		MOTOR HOURS		Next Oil Change						D. Collars	
WEIGHT		4.7		9.9		9.1		9.1		GEL - 14500		5820		3 1/4		1		5824		6170		Subs. Ft.	
VISCOSITY		58		62		45		8		BENEX - 2						2		5825		5750		Ft. Up On Kelly	
GEL										W1 100 - 50						3						Ft. Up On Kelly	
No. 1		Pressure		1200						No. 5000 - 2						4						TOTAL	
Model		S.P.M.		65												5						5820	
No. 2		Pressure								Size		TRIPS		No. Lines		TON MILES		TOTAL MILES		Slip		Feet of Cut	
Model		S.P.M.								1 1/2		500		6				5826		-		3719	
No. 2		Pressure								General												Next Slip	
Model		S.P.M.																				5825	
No. 2		Pressure																					
Model		S.P.M.																					
No. 2		Pressure																					
Model		S.P.M.																					
No. 2		Pressure																					
Model		S.P.M.																					
No. 2		Pressure																					
Model		S.P.M.																					
No. 2		Pressure																					
Model		S.P.M.																					
No. 2		Pressure																					
Model		S.P.M.																					
No. 2		Pressure																					
Model		S.P.M.																					
No. 2		Pressure																					
Model		S.P.M.																					
No. 2		Pressure																					
Model		S.P.M.																					
No. 2		Pressure																					
Model		S.P.M.																					
No. 2		Pressure																					
Model		S.P.M.																					
No. 2		Pressure																					
Model		S.P.M.																					
No. 2		Pressure																					
Model		S.P.M.																					

Totco Ring on Bit No. _____ D.P. Calipered Date _____ Results _____ Boiler in Operation Yes Toolpusher James M. Hatcher
B.O.P. Test-Operated _____ Time _____ Results _____ Approved by _____

DAILY DRILLING REPORT

Date Jan 18 1967

Rig# 6 Location HOME PROVO PAN FLOW TRWT LAKE #173 ob# 345

REMARKS

[illegible]

Totco Ring on Bit No. _____ D.P. Calipered Date _____ Results _____ Boiler in Operation yes Toolpusher James Mickle
B.O.P. Test-Operated _____ Time _____ Results _____ Approved by _____

CAN-TEX DRILLING & EXPLORATION LTD.

DAILY DRILLING REPORT

Date Jan 17 1967

Rig# 6 Location Dome Rock Point in Twp. 14 N. R. 7 E. Job# 345

REMARKS															Time															
															Start	Stop	Interval													
From	Footage	To	Mrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FORMATION		OIL	6.3	Stands	4103.83																
5060	90	5150	5'4"	114	No.	O.D.	I.D.	Wgt.			FUEL	6.5	Singles	61 68																
											WATER	42	D. Collars	44736																
											CONDITION	26.8	Other Ft.	Drill 8 3/4 hole																
MUD															12 Mn.	2 a.m.	4 a.m.	6 a.m.	Additives	At Surveys Degree	MOTOR HOURS	Next Oil Change	C.B. Ft.							
WEIGHT															9.1	9.1	9.1	9.1	GEL - 1500#	5050	3	5750	6122	Subs. Ft.						
VISCOSITY															120	96			BENEX - 8"		2	5651	5750	Pt. Up On Kelly						
GEL																			NO STICK - 2 GAL		3		3.87							
PUMPS															No. 1	Pressure	1200		ALL 100 - 70#		4		TOTAL							
Model															S.P.M.	65					5		5150							
Liner Size															6"															
No. 2															Pressure															
Model															S.P.M.															
Liner Size																														
W.L. 5.2															F.C. 3/32	PH. 9.0														
From															Footage	To	Mrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FORMATION		OIL	5	Stands	5292		
											5292	74	118	No.	O.D.	I.D.	Wgt.			FUEL	1.3	Singles	48240							
											WATER	1/2	D. Collars	44736																
											CONDITION		Other Ft.																	
MUD															8 a.m.	10 a.m.	12 Noon	2 p.m.	Additives	At Surveys Degree	MOTOR HOURS	Next Oil Change	C.B. Ft.							
WEIGHT															9.1	9.0	9.0	9.0	GEL - 3000#	5279	3 1/2	6170	Subs. Ft.							
VISCOSITY															80	96	96	70	BENEX - 8"		2	5150	5750	Pt. Up On Kelly						
GEL																			NO STICK - 2 GAL		3		3.0							
PUMPS															No. 1	Pressure	1200	1200	100 - 50#		4		TOTAL							
Model															S.P.M.	65					5		5292							
Liner Size															6"															
No. 2															Pressure															
Model															S.P.M.															
Liner Size																														
W.L. 5.4															F.C. 3/32	PH. 8.0														
From															Footage	To	Mrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FORMATION		OIL		Stands	5292		
											5292	140	5432	7 1/4	120	No.	O.D.	I.D.	Wgt.			FUEL		Singles	48240					
											WATER		D. Collars	44736																
											CONDITION		Other Ft.																	
MUD															4 p.m.	6 p.m.	8 p.m.	10 p.m.	Additives	At Surveys Degree	MOTOR HOURS	Next Oil Change	C.B. Ft.							
WEIGHT															9.0	9.1	9.1	9.1	GEL - 2000#	5450	2 1/2	6170	Subs. Ft.							
VISCOSITY															75	90	90	90	BENEX - 1"		2	5950	Pt. Up On Kelly							
GEL																			NO STICK - 2 GAL		3		1.24							
PUMPS															No. 1	Pressure	1200	1200			4		TOTAL							
Model															S.P.M.	65					5		5432							
Liner Size															6"															
No. 2															Pressure															
Model															S.P.M.															
Liner Size																														
W.L. 5.2															F.C. 3/32	PH. 8.0														

Totco Ring on Bit No.

D.P. Calipered Date

Results

Boiler in Operation

Toolpusher

3.O.P. Test-Operated

Time

Results

Approved by

CAN-TEX DRILLING & EXPLORATION LTD.

DAILY DRILLING REPORT

Date Jan 16 1967Rig# 6 Location James River River Road Test Line M-73 Job# 345

REMARKS															Time													
															Start	Stop	Interval											
From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FORMATION		OIL	76	Stands	48	Rig Service Drill 8 3/4 hole			12 ⁰⁰	12 ¹⁵	1/4								
4800	105	4905	7 1/4	112	No.	O.D.	I.D.	Wgt.			FUEL	65	Singles	1191907				12 ¹⁵	1 ¹⁵	1								
																		WATER	34									
No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Fr. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION	D. Collars		Survey Drill 8 3/4 hole			1 ¹⁵	1 ⁴⁵	1/2									
7	8 3/4	O.S.C.T	2 1/2	80757	25-30	85	182	11 3/4			447.36		Other Ft.				145	9 ⁰⁰	6 1/4									
																	C.B. Ft.											
MUD															12 Mm.	2 a.m.	4 a.m.	6 a.m.	Additives	At Surveys Degree		MOTOR HOURS		Next Oil Change				
WEIGHT															90	90	90		9056-4000*	4815 3°		1 57 16		6170				
VISCOSITY															90	100	130		100-100*			2 - 1 -		5750				
GEL																												
No. 1	Pressure														4													
Model	S.P.M.														5													
No. 2	Pressure																											
Model	S.P.M.																											
No. 3	Pressure																											
Model	S.P.M.																											
W.L.															F.C.		pH.											
From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FORMATION		OIL	74	Stands	48	Work on Light Plant Water Lines DRILL 8 3/4 Hole SURVEY DRILL			8 ⁰⁰	10 ⁰⁰	2								
4905	65	4970	5 1/4	112	No.	O.D.	I.D.	Wgt.			FUEL	65	Singles	49776				10 ⁰⁰	3 ⁰⁰	3								
																		WATER	54									
No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Fr. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION	D. Collars		SURVEY			3 ⁰⁰	3 ⁴⁵	3/4									
7	8 3/4	O.S.C.T	2 1/2	80757	30	85	246	17			447.36		Other Ft.				345	4 ⁰⁰	4/4									
																	C.B. Ft.											
MUD															10 a.m.	12 Noon	2 p.m.	Additives	At Surveys Degree		MOTOR HOURS		Next Oil Change					
WEIGHT															90	90	90		GEL 2500*	4970 3 1/4		1 59 54		6170				
VISCOSITY															62	815	915					2 63 39		5750				
GEL																												
No. 1	Pressure														4													
Model	S.P.M.														5													
No. 2	Pressure																											
Model	S.P.M.																											
No. 3	Pressure																											
Model	S.P.M.																											
W.L.															F.C.		pH.											
From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FORMATION		OIL		Stands	48	Rig Ser Drill			4 ⁰⁰	4 ¹⁵	1/4								
4970	90	5060	6	112	No.	O.D.	I.D.	Wgt.			FUEL		Singles	49759				4 ¹⁵	10 ¹⁵	6								
																		WATER										
No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Fr. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION	D. Collars		Survey Trip out			10 ¹⁵	10 ³⁰	1/4									
7	8 3/4	O.S.C.T	2 1/2	80757	30	85	337	23			447.36		Other Ft.				10 ³⁰	12 ⁰⁰	1 1/2									
																	C.B. Ft.											
MUD															4 p.m.	6 p.m.	8 p.m.	10 p.m.	Additives	At Surveys Degree		MOTOR HOURS		Next Oil Change				
WEIGHT															91	91	91			55 30 30		1 61 20		5750				
VISCOSITY															120	140	150					2						
GEL																												
No. 1	Pressure														4													
Model	S.P.M.														5													
No. 2	Pressure																											
Model	S.P.M.																											
No. 3	Pressure																											
Model	S.P.M.																											
W.L.															F.C.		pH.											

Totco Ring on Bit No.

D.P. Calipered Date

Results

Boiler in Operation

Toolpusher

James Nichols

B.O.P. Test-Operated

Time

Results

Approved by

CAN-TEX DRILLING & EXPLORATION LTD.

DAILY DRILLING REPORT

Date JAN 15 1968

Rig# 6 Location DORME PAVO PAN AM TROUT LAKE M73 Job# 345

REMARKS															Start	Time	Interval							
From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FORMATION		OIL	WATER	Stands											
4572	91	4663	7	110	No.	O.D.	I.D.	Wgt.																
MUD															12 M.	2 a.m.	4 a.m.	6 a.m.	Additives	At Surveys Degree	MOTOR HOURS	Next Oil Change		
WEIGHT															9.0	9.0	9.1	9.1	GEL - 4700	4572	3 1/2	1	5154	6170
VISCOSITY															114	110	105	134	BENEX - 12	4630	3 1/2	2	5610	5750
GEL																			No. Stick - 2 GAL					
PUMPS															No. 1	Pressure	1200							
Model															S.P.M.	68								
Liner Size															6"									
No. 2															Pressure									
Model															S.P.M.									
Liner Size															6"									
General																								
W.L. 5.4															F.C. 1/2									
From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FORMATION		OIL	WATER	Stands											
4663	60	4723	5 1/4	110	No.	O.D.	I.D.	Wgt.																
MUD															8 a.m.	10 a.m.	12 Noon	2 p.m.	Additives	At Surveys Degree	MOTOR HOURS	Next Oil Change		
WEIGHT															9.0	9.0	9.0		GEL - 3000	4723	3 1/2	1	5154	6170
VISCOSITY															140	105	145		BENEX - 8	4723	3 1/2	2	5610	5750
GEL																			No. Stick - 2 GAL					
PUMPS															No. 1	Pressure	1200							
Model															S.P.M.	68								
Liner Size															6"									
No. 2															Pressure									
Model															S.P.M.									
Liner Size															6"									
General																								
W.L. 5.4															F.C. 1/2									
From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FORMATION		OIL	WATER	Stands											
4722	78	4800	5 1/2	110	No.	O.D.	I.D.	Wgt.																
MUD															4 p.m.	6 p.m.	8 p.m.	10 p.m.	Additives	At Surveys Degree	MOTOR HOURS	Next Oil Change		
WEIGHT															9.1	9.1	9.0		GEL - 3000	4723	3 1/2	1	5154	6170
VISCOSITY															300	85	65		BENEX - 16					
GEL																			No. Stick - 2 GAL					
PUMPS															No. 1	Pressure	1300	1300						
Model															S.P.M.	68								
Liner Size															6"									
No. 2															Pressure									
Model															S.P.M.									
Liner Size															6"									
General																								
W.L.															F.C.									
P.H.																								

Totco Ring on Bit No. _____ D.P. Calipered Date _____ Results _____ Boiler in Operation yes Toolpusher James Michels

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

DAILY DRILLING REPORT

Date June 14 1968

Rig# 6 Location Deep River, North Carolina Job# 345

REMARKS

From		Footage		To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FORMATION		OIL		Stands	
							No.	O.D.	I.D.	Wgt.						
4511							16	6 3/4	2 1/2	39					3911 27	
															Singles	
															4156	
															D. Collars	
															4472	
															Other Ft.	
															C.B. Ft.	
															Subs. Ft.	
															Ft. Up On Kelly	
															TOTAL	
															4511	
															Next Slip	
															3719	
															5555	
															Company Time	
															Cont'r Time	
															3911 27	
															Singles	
															4156	
															D. Collars	
															4472	
															Other Ft.	
															C.B. Ft.	
															Subs. Ft.	
															Ft. Up On Kelly	
															TOTAL	
															4511	
															Next Slip	
															3719	
															5555	
															Company Time	
															Cont'r Time	
															3911 27	
															Singles	
															4156	
															D. Collars	
															4472	
															Other Ft.	
															C.B. Ft.	
															Subs. Ft.	
															Ft. Up On Kelly	
															TOTAL	
															4511	
															Next Slip	
															3719	
															5555	
															Company Time	
															Cont'r Time	
															3911 27	
															Singles	
															4156	
															D. Collars	
															4472	

Totco Ring on Bit No. _____ D.P. Calipered Date _____ Results _____ Boiler in Operation yes Toolpusher James Phelps
B.O.P. Test-Operated _____ Time _____ Results _____ Approved by _____

CAN-TEX DRILLING & EXPLORATION LTD.

DAILY DRILLING REPORT

Date JAN 13 1967

Rig# 6 Location Dome Point Parka Trailhead M73 Job# 345

REMARKS

Log#															Location			Start		Stop		Interval	
From		Footage		To		Hrs. on Bottom		Wt. Drill String (1000 lbs.)		DRILL COLLARS				FORMATION		OIL		Stand					
										No.		O.D.		I.D.		Wgt.							
4143		119		4265		7		104		16		6 1/4		2 1/2		39		277.37					
No.		Size		Type		Size Jets		Serial No.		Weight		R.P.M.		Ft. Drilled		Hrs.		Feet Reamed					
5		2 1/4		M4465		2-1/2		35871		20		85		151		234							
MUD		12 Ma.		2 a.m.		4 a.m.		6 a.m.		Additives		At Surveys Degree		MOTOR HOURS		Next Oil Change							
WEIGHT		91		91		91		91		B.F. - 6000		4200		3		1		5454					
VISCOSITY		40		55		55		50		No Stick 1 gal.		4760		2		2		5523					
GEL										BENEX - 24													
No. 1		Pressure		1100						W-1 - 100 - 20													
Model		S.P.M.		68																			
Liner Size		6																					
No. 2		Pressure																					
Model		S.P.M.																					
Liner Size																							
W.L.		8.0		F.C.		24/52		pH. 8.0															
Company Time																							
Cont'r Time																							
4265		150		4415		5		104		16		6 1/4		2 1/2		39		277.37					
No.		Size		Type		Size Jets		Serial No.		Weight		R.P.M.		Ft. Drilled		Hrs.		Feet Reamed					
5		2 1/4		M4465		2-1/2		35871		20		85		301		16							
MUD		8 a.m.		10 a.m.		12 Noon		2 p.m.		Additives		At Surveys Degree		MOTOR HOURS		Next Oil Change							
WEIGHT		90		90		90		90		B.F. - 4100		4260		2 1/2		1		5959					
VISCOSITY		45		50		55		59		BENEX - 20						2		5310					
GEL										No Stick 1 gal						3							
No. 1		Pressure		1100		100		1100		W-1 - 100 - 10						4							
Model		S.P.M.		68												5							
Liner Size		6																					
No. 2		Pressure																					
Model		S.P.M.																					
Liner Size																							
W.L.		16.0		F.C.		24/52		pH. 8.															
Company Time																							
Cont'r Time																							
4415		96		4511		5		110		16		6 1/4		2 1/2		39		277.37					
No.		Size		Type		Size Jets		Serial No.		Weight		R.P.M.		Ft. Drilled		Hrs.		Feet Reamed					
5																							

Totco Ring on Bit No. _____ D.P. Calipered Date _____

Results

Boiler in Operation. ME**Toolpusher**

S.O.P. Test-Operated _____ Time _____

Results

Approved by:

CAN-TEX DRILLING & EXPLORATION LTD.

DAILY DRILLING REPORT

Date June 12 1967

Rig# 6 Location Home Road Panther Trout Lake M73 Job# 345

[illegible]

Totco Ring on Bit No. _____ D.P. Calipered Date _____ Results _____ Boiler in Operation _____ Toolpusher James Mickles

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

CAN-TEX DRILLING & EXPLORATION LTD.

DAILY DRILLING REPORT

Date Jan 11 1967

Rig# 6 Location Line Canyon Road Trout Lake 1973 Job# 345

REMARKS

From		Footage		To		Hrs. on Bottom		Wt. Drill String (1000 lbs.)		DRILL COLLARS				FORMATION		OIL		FUEL		WATER		Stands		Start		Stop		Interval			
No.		Size		Type		Size Jets		Serial No.		Weight		R.P.M.		Ft. Drilled		Hrs.		Feet Reamed		Hrs.		CONDITION		D. Collars		Other Ft.		C.B. Ft.			
3472		118		3590		5		85		16		6 3/4		2 7/8		39								1250		1215		14			
4		8 3/4		XUT		7-16		74373		40		85		118		5						dry		44736		1215		215		2	
																								CLEAN 150 TO Btm		215		300		314	
																								DRILLING		300		200		5	

Totco Ring on Bit No. _____ D.P. Calipered Date _____ Results _____ Boiler in Operation yes Toolpusher James M. [unclear]
B.O.P. Test-Operated _____ Time _____ Results _____ Approved by _____

CAN-TEX DRILLING & EXPLORATION LTD.

DAILY DRILLING REPORT

Date Jan 10 19 67Rig# 6 Location DOME PROVO PANAMA TROUT LAKE M-73 Job# 345

REMARKS															Time		
															Start	Stop	Interval
From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FORMATION		OIL	Stands					
					No.	O.D.	I.D.	Wgt.			FUEL	Singles					
											WATER	Other Ft.					
3077	183	3260	7 1/2	41	16	6 3/4	2 3/4	39			82	227239					
B	No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION	D. Collars				
I	3	8 3/4	XV3	46	24272	40	80	450	14 1/4			Run	442 36				
S													Other Ft.				
MUD																	
WEIGHT																	
VISCOSITY																	
GEL																	
Additives																	
At Surveys Degree																	
MOTOR HOURS																	
Next Oil Change																	
C.B. Ft.																	
Subs. Ft.																	
Ft. Up On Kelly																	
TOTAL																	
Slip																	
Feet Left on Spool																	
Next Slip																	
PUMPS																	
No. 1 Pressure																	
Model S.P.M.																	
Liner Size																	
No. 2 Pressure																	
Model S.P.M.																	
Liner Size																	
General																	
W.L.																	
F.C.																	
pH																	
Company Time																	
Cont'r Time																	
From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FORMATION		OIL	Stands					
					No.	O.D.	I.D.	Wgt.			FUEL	Singles					
											WATER	Other Ft.					
3260	123	3383	7 1/4	84	16	6 3/4	2 3/4	99				227239					
B	No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION	D. Collars				
I	3	8 3/4	XV3	46	24272	40	85	611	22			Run	442 36				
S													Other Ft.				
MUD																	
WEIGHT																	
VISCOSITY																	
GEL																	
Additives																	
At Surveys Degree																	
MOTOR HOURS																	
Next Oil Change																	
C.B. Ft.																	
Subs. Ft.																	
Ft. Up On Kelly																	
TOTAL																	
Slip																	
Feet Left on Spool																	
Next Slip																	
PUMPS																	
No. 1 Pressure																	
Model S.P.M.																	
Liner Size																	
No. 2 Pressure																	
Model S.P.M.																	
Liner Size																	
General																	
W.L.																	
F.C.																	
pH																	
Company Time																	
Cont'r Time																	
From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FORMATION		OIL	Stands					
					No.	O.D.	I.D.	Wgt.			FUEL	Singles					
											WATER	Other Ft.					
3383	90	3473	5	84	16	6 3/4	2 3/4	39				227239					
B	No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION	D. Collars				
I	3	8 3/4	XV3	46	24272	40	85	700	27			Run	442 36				
S													Other Ft.				
MUD																	
WEIGHT																	
VISCOSITY																	
GEL																	
Additives																	
At Surveys Degree																	
MOTOR HOURS																	
Next Oil Change																	
C.B. Ft.																	
Subs. Ft.																	
Ft. Up On Kelly																	
TOTAL																	
Slip																	
Feet Left on Spool																	
Next Slip																	
PUMPS																	
No. 1 Pressure																	
Model S.P.M.																	
Liner Size																	
No. 2 Pressure																	
Model S.P.M.																	
Liner Size																	
General																	
W.L.																	
F.C.																	
pH																	
Company Time																	
Cont'r Time																	

Totco Ring on Bit No. _____ D.P. Calipered Date _____ Results _____ Boiler in Operation yes Toolpusher James S. Sticker

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

CAN-TEX DRILLING & EXPLORATION LTD.

DAILY DRILLING REPORT

Date Jan 9 1967Rig# 6 Location DOME PROVO PIN AM TROUT LAKE M-73 Job# 345

REMARKS															Time		
															Start	Stop	Interval
From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FORMATION		OIL		Stands				
					No.	O.D.	I.D.	Wgt.			FUEL						
											WATER						
2212	437	2649	7 3/4	72	16	6 3/4	2 3/4	2900						2130			
BIG SERVICE															1200	1215	1/4
DRILLING															1215	800	7 3/4
Singles																	
D. Collars																	
Other Ft.																	
C.B. Ft.																	
Subs. Ft.																	
Ft. Up On Kelly																	
TOTAL																	
2649																	
Next Slip																	
Slip																	
Ft. Left on Spool																	
Next Slip																	
W.L.																	
F.C.																	
pH.																	
From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FORMATION		OIL		Stands				
					No.	O.D.	I.D.	Wgt.			FUEL						
											WATER						
2649	123	2772	4 1/2	74	16	6 3/4	2 3/4	2900						2130			
BIG SERVICE															1200	1215	1/4
DRILLING															1215	800	7 3/4
Singles																	
D. Collars																	
Other Ft.																	
C.B. Ft.																	
Subs. Ft.																	
Ft. Up On Kelly																	
TOTAL																	
2772																	
Next Slip																	
Slip																	
Ft. Left on Spool																	
Next Slip																	
W.L.																	
F.C.																	
pH.																	
From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FORMATION		OIL		Stands				
					No.	O.D.	I.D.	Wgt.			FUEL						
											WATER						
2772	305	3077	6 3/4	80	16	6 3/4	2 3/4	39						2130			
BIG SERVICE															1200	1215	1/4
DRILLING															1215	800	7 3/4
Singles																	
D. Collars																	
Other Ft.																	
C.B. Ft.																	
Subs. Ft.																	
Ft. Up On Kelly																	
TOTAL																	
3077																	
Next Slip																	
Slip																	
Ft. Left on Spool																	
Next Slip																	
W.L.																	
F.C.																	
pH.																	
From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FORMATION		OIL		Stands				
					No.	O.D.	I.D.	Wgt.			FUEL						
											WATER						
3077	305	3077	6 3/4	80	16	6 3/4	2 3/4	39						2130			
BIG SERVICE															1200	1215	1/4
DRILLING															1215	800	7 3/4
Singles																	
D. Collars																	
Other Ft.																	
C.B. Ft.																	
Subs. Ft.																	
Ft. Up On Kelly																	
TOTAL																	
3077																	
Next Slip																	
Slip																	
Ft. Left on Spool																	
Next Slip																	
W.L.																	
F.C.																	
pH.																	

Totco Ring on Bit No. _____ U.P. Calipered Date _____ Results _____ Boiler in Operation yes Toolpusher James Smith
 B.O.P. Test-Operated _____ Time _____ Results _____ Approved by _____

CAN-TEX DRILLING & EXPLORATION LTD.

DAILY DRILLING REPORT

Date Jan 8 1968Rig# 6 Location DOME PROVO FOUNTAIN TRAIL LK 473 Job# 345

REMARKS															Time								
															Start	Stop	Interval						
From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FORMATION	OIL	Stands												
					No.	O.D.	I.D.	Wgt.		FUEL	470 AG												
										WATER	Singles												
												HEAD UP	1:00	3:00	3								
B	No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION	D. Collars										
I	1	8 1/2	OSC-3	CON	81090								14	791-49									
T																							
S																							
MUD															12 lbs.	2 a.m.	4 a.m.	6 a.m.	Additives	At Surveys Degree	MOTOR HOURS	Next Oil Change	
WEIGHT																							
VISCOSITY																							
GEL																							
P	No. 1	Pressure																					
U	Model	S.P.M.																					
M	Liner Size																						
P	No. 2	Pressure																					
S	Model	S.P.M.																					
General																							
W.L.															F.C.	pH							
From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FORMATION	OIL	Stands												
					No.	O.D.	I.D.	Wgt.		FUEL	1672												
										WATER	Singles												
												DIG MOUSE HOLE	3:00	5:00	2								
												Pressure up 4 1/2 Bars	5:00	5:15	1/4								
												Pressure up Handrail	5:15	5:30	1/4								
												Check Motor Shut off	5:30	6:30	1								
												Drill out Cement plug	6:30	8:00	1 1/4								
															8.								
MUD															8 a.m.	10 a.m.	12 Noon	2 p.m.	Additives	At Surveys Degree	MOTOR HOURS	Next Oil Change	
WEIGHT																							
VISCOSITY																							
GEL																							
P	No. 1	Pressure																					
U	Model	S.P.M.																					
M	Liner Size																						
P	No. 2	Pressure																					
S	Model	S.P.M.																					
General																							
W.L.															F.C.	pH							
From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FORMATION	OIL	Stands												
					No.	O.D.	I.D.	Wgt.		FUEL	1672												
										WATER	Singles												
												DRILL 8 1/4 HOLE	4:00	4:15	1/4								
												DRILL 8 1/4 HOLE	4:15	5:00	3/4								
												SURVEY	5:00	5:15	1/4								
												DRILL	5:15	10:00	4 3/4								
												SURVEY	10:00	10:15	1/4								
												TRIP Pick up 2 COLLARS	10:15	12:00	1 1/4								
MUD															4 p.m.	6 p.m.	8 p.m.	10 p.m.	Additives	At Surveys Degree	MOTOR HOURS	Next Oil Change	
WEIGHT																							
VISCOSITY																							
GEL																							
P	No. 1	Pressure																					
U	Model	S.P.M.																					
M	Liner Size																						
P	No. 2	Pressure																					
S	Model	S.P.M.																					
General																							
W.L.															F.C.	pH							

Totco Ring on Bit No. _____ D.P. Calipered Date _____ Results _____ Boiler in Operation yes Toolpusher James Miller
 B.O.P. Test-Operated _____ Time _____ Results _____ Approved by _____

DAILY DRILLING REPORT

Rig# 6 Location Noice Provo gas-con tract 14. 7M-73 Job# 345.

Totco Ring on Bit No. _____ D.P. Calipered Date _____ Results _____ Boiler in Operation yes Toolpusher James M. Huber
B.O.P. Test-Operated _____ Time _____ Results _____ Approved by _____

DAILY DRILLING REPORT

Rig # 6 Location Down E-P-17-0-Parkman Trout Lake-MD? Job # 345

Date Jan 6 1967

[illegible]

Totco Ring-on Bit No. _____ D.P. Calipered Date _____ Results _____
B.O.P. Test-Operated _____ Time _____ Results _____
Boiler in Operation yes Toolpusher James Nichols
Approved by _____

CAN-TEX DRILLING & EXPLORATION LTD.

DAILY DRILLING REPORT

Rig# 10 Location DOME PROVO-PAN AIRPORT LAKE #13 Job# 345Date JAN 5 1967

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FORMATION	OIL	Stands	REMARKS		
					No.	O.D.	I.D.	Wgt.				Start	Time	Interval

No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION	REMARKS		

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

W.L.	F.C.	pH.	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FORMATION	OIL	Stands	REMARKS		
				No.	O.D.	I.D.	Wgt.				Start	Time	Interval

W.L.	F.C.	pH.	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FORMATION	OIL	Stands	REMARKS		
				No.	O.D.	I.D.	Wgt.				Start	Time	Interval

W.L.	F.C.	pH.	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FORMATION	OIL	Stands	REMARKS		
				No.	O.D.	I.D.	Wgt.				Start	Time	Interval

Totco Ring on Bit No.	D.P. Calipered Date	Results	Boiler in Operation	Toolpusher	Approved by