DOME PROVO PAN AM

CSP ALMX

TROUT LAKE H-45

60-50-121-15

Indian and Northern Affairs Canada Affaires indiennes et du Nord Canada

OIL & GAS SECTION
P.O. BOX 1500
YELLOWKNIFE, N.W.T.
X1A 2R3

CONFIDENTIAL

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ATTENTION: DON SEWIN
Director, Offshore & Arctic Region
Resource Evaluation Group
C.O.G.I.A.
355 River Road
Ottawa, Ontario
K1A 0E4

CONFIDENTIAL

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Dome Petroleum Limited

DOME PROVO PAN AM CSP ALMX TROUT LK H-45

Helton Engineering Ltd.
Calgary, Alberta

PHONE 263-089-

Helton Engineering Ltd.

CONSULTING PETROLEUM ENGINEERS AND GEOLOGISTS

1380 GUINNESS HOUSE

CALGARY, ALBERTA

March 14, 1967.

Dome Petroleum Limited,
706 Seventh Avenue S.W.,
CALGARY, Alberta.

Re: DOME PROVO PAN AM CSP ALMX TROUT LK H-45
Unit H, Section 45, Grid 60° 50', 121° 15"

Dear Sirs:

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

The well was spudded at 9:00 A.M., February 16, 1967 and was drilled primarily as a test of the Slave Point and Keg River formations. There were two porosity zones developed in the Slave Point, however electrical logs indicated both zones to be water laden. The Keg River contained one porous streak, which yielded 240 feet of salt water on drill stem test.

The well was plugged and abandoned and the rig was released at 4:00 P.M., March 6, 1967.

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

We thank you for the opportunity of serving your company.

Yours very truly,

HELTON ENGINEERING LTD.

K.F. Sanderson, P. Geol.

DLF:mjw

Enc.

HELTON ENGINEERING LTD.

WELL DATA SUMMARY

Well Name: Dome - Pacific - Pan Am - CSP - Alma Trout Lake 4-45

Location: Unit H, Section 45, Grid 60°50', 121°15"

Operator: Dome Petroleum Ltd

Drilling Licence No.: #259 issued 8-2-67 - Permit No. 1176

Elevation: K.B. 1698 Est Ground 1680 (From Seismic Survey)

Co-ordinates: Lat. 60° 44' 20" N Long 121° 22' 44" W

Total Depth: DRILLER - 5582 ELOG - 5585

Status: PLUGGED AND ABANDONED

Spud Date: FEB 16, 1967 @ 9:00 AM.

Rig Released: MARCH 6, 1967 @ 4:PM

Hole Size: 13 3/4" to 918 ft.; 8 3/4" to 5582 ft.; ____" to ____ ft.

Surface Casing: Ran 29 joints of 9 5/8", 36 #, J-55 STC. (Total of ____'). Landed at 918.82 K.B., cemented with 550 SKS sacks Construction cement + 3% Cacl, Displaced with 48 BBLS water Plug Down @ 4:45 AM. Good Returns

Production Casing: Ran ____ joints of ____", ____#, ____. (Total of ____'). Landed at ____ K.B., cemented with ____ sacks ____

Cores: None

Core #__ ____ (Interval) Recovered ____ ft. ____ (Formation)

Core #__ ____ (Interval) Recovered ____ ft. ____ (Formation)

Core #__ ____ (Interval) Recovered ____ ft. ____ (Formation)

Core #__ ____ (Interval) Recovered ____ ft. ____ (Formation)

Tests:

Drill Stem Test # 1 5425-5582 (Interval) M. Devonian (Formation)

Recovered 300' Mud, 240' Sw

Drill Stem Test #___ _____ (Interval) _____ (Formation)

Recovered _____

Drill Stem Test #___ _____ (Interval) _____ (Formation)

Drill Stem Test #___ _____ (Interval) _____ (Formation)

Recovered _____

Logs:

Schlumberger

Dual Induction-Laterolog

2", Surf to 5583 ft.; 5", 1250 to 5583 ft.

Compensated Formation Density Log

~~5~~ 5" 1250 to 5583 ft.; 25", 5100 to 5583 ft.

Borehole Compensated Sonic Log

2", Surf to 5583 ft.; 5", Surf to 5583 ft.

Abandonment Plugs:

Plug # 1 5582-5400 (Interval) with 60 sacks of Oilwell Cement cement. Felt at _____ ft. after _____ hours.

Plug # 2 5100-4830 (Interval) with 28 sacks of Oilwell Cement cement. Felt at _____ ft. after 8 hours.

Plug # 3 967-867 (Interval) with 50 sacks of Oilwell Cement cement. Felt at 837 ft. after 8 hours.

Plug # 4 2'-Surf with 5 sacks of
(Interval)
Ok Neat cement. Felt
at _____ ft. after _____ hours.

Plug # ___ _____ with _____ sacks of
(Interval)
_____ cement. Felt
at _____ ft. after _____ hours.

Drilling Contractor: Can-Tex Drlg Co Rig No. 6

Jim Mickios, Toolpusher

Wellsite Geologist: Donald L Foote

Additional Information:

Drilling Authority No. 259

Date Issued: February 8, 1967

Permittee: Dome Petroleum Limited, Canada Southern Limited, Pan American Petroleum Corp.

Drilling Contractor: Can-Tex Drilling & Exploration Ltd.

Contractor's Licence No. 16119

Operator: Dome Petroleum Limited

Exploratory Licence No. 1014

Completed - oil test
Completed drilling June 18 1967.

Analyses
Water - RBM-2-1262 DST #1 (Bottom of Rainy) 3425'-3532'

HELTON ENGINEERING LTD.

Well Name: Dome-Bow-Pan-CGP-Amo Trout Lake

Location: Unit H, Section 65, Grid 60°50', 121°15" NWT

ELECTRIC LOG TOPS

K.B. Elevation 1604 est

Formation	Depth	Subsea
Ershad	1300	+304
Kotaho	1323	+301
Terrace	2157	-453
Trout River		
Ramparts	2637	-933
Jean Marie	3176	-1482
Fort Simpson	3233	- 1539
Nahanni	4837	-3173
Slave Point	4904	-3200
Muskeg	5181	-3487
Keg River Platform	5504	-3810
Chinchaga	5526	-3832
T.D	5582	-3888

Form S-46

HELTON ENGINEERING LTD.
WELLSITE SAMPLE DESCRIPTION

WELL NAME Dome-Rovo-Pan Am CSP Hunk TROUT LAKE
LOCATION H-45, 60°50', 121°15" NWT

SHEET NO. 1
DATE MAR 3/67

LITHOLOGY	DEPTH	SCAN READ	SCAN STAIN	SAMPLE DESCRIPTION
	10			Gly gns, lge, frosted, cor, sep, w/granite wash, pink, red, black w/lt. gy.
	20			AA w/foam stains w/green tint
	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			AA
	300			AA
	10			AA
	20			AA
	30			AA
	40			AA w/tr. ss, med gry, wh, clear, porous
	350			AA w/ss, gry, slty w/sh, gry
	60			AA
	70			AA
	80			AA
	90			AA
	400			Gly gns, w/granite wash, w/tr. sh, gry, w/pyrite
	10			AA
	20			AA
	30			AA
	40			Sh, dk. gry, sl sdy w/gy gns, & granite wash AA
	450			granite wash, w/tr. sh, AA

GEOLOGIST Donald L Hall

HELTON ENGINEERING LTD
WELLSITE SAMPLE DESCRIPTION

WELL NAME Dome-Pan-Bel-Ara-GPR Max Trout Lake
LOCATION H-45 60°56' 121°15" NWT

SHEET NO. 2
DATE Mar 3/67

LITHOLOGY	DEPTH	SHOW MAX	SAMPLE DESCRIPTION
	60.		Sh, dk gry
	70.		AA
	80.		AA
	90.		AA
	500		AA
	10.		AA
	20.		AA
	30.		AA
	40.		Sh, dk gry, shaly
	550		AA
	60.		AA
	70.		AA
	80.		AA
	90.		AA
	600		AA
	10.		AA
	20.		AA
	30		AA
	40.		AA
	650.		AA w/ lt ss, tr mica, sh, lt
	60		AA
	70.		AA
	80.		AA
	90.		AA
	700.		AA
	10		AA
	20		AA
	30.		Sh, dk gry, platy
	40.		AA
	750.		AA
	60.		AA
	70.		AA
	80.		AA
	90.		AA
	800.		AA
	10.		AA
	20.		AA
	30.		AA
	40.		AA
	850.		AA
	60		AA
	70.		AA
	80.		AA
	90.		AA
	900.		AA

GEOLOGIST Donald L. Hall

HELTON ENGINEERING LTD

WELLSITE SAMPLE DESCRIPTION

WELL NAME Dome-Peoples-Pan Am. CSP Hum Trout Lake SHEET NO. 3

LOCATION H-65 60°20' 121°15" Pilot DATE Mar 3/67

LITHOLOGY		DEPTH			SAMPLE DESCRIPTION
		10			AA
		20			AA
		30			Sh gry-green-lt gry
		40			Sh lt gry w/pyrite
		50			AA
		60			AA
		70			AA
		80			AA
		90			AA
		100			AA
		10			AA w/tr. siderite
		20			AA
		30			AA
		40			AA w/tr. lt. gry pyrite
		100			Sh lt gry w/pyrite
		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			Sh dk gry
		10			AA
		20			Sh gry-blk
		30			AA
		40			AA
		1250			AA
		60			AA
		70			AA
		80			AA
		90			Sh gry w/siderite
		1300			AA
		10			AA w/pyrite w/sh dk gry w/siderite
		20			Sh dk gry w/pyrite
		30			AA
		40			AA
		1350			AA

GEOLOGIST Donald L. Stott

HELTON ENGINEERING LTD
WELLSITE SAMPLE DESCRIPTION

WELL NAME Lone Rock-Helton-Co-Flux TROUT LAKE
LOCATION H-45 60°50', 121°15" NWT

SHEET NO. 6
DATE Mar 2/67

LITHOLOGY	DEPTH	PERM	POR	SAMPLE DESCRIPTION
	60.			Sh, dk gry w/pyrite
	70.			AA
	80			AA
	90			AA
	1400			T. Korolik 1966
	10.			AA w/ carbd shale w/pyrite
	20.			AA
	30.			Ls, wh-lt bff, crypt-xln, dol
	40			AA
	1450			Lt-dk gry, crypt-xln, dol
	60.			AA
	70			AA
	80.			AA w/pyrite
	90.			AA
	1500.			AA
	10.			AA
	20.			Sh, dk gry w/pyrite
	30			AA
	40.			AA
	1550.			AA
	60			Ls, dk gry, shaded carbd, iron stained
	70			Sh, gry, wh, lt bff-pelsed carbd stain.
	80			Sh, gy-green, w/th carbd stain, iron stained
	90			AA
	1600.			Sh, gy-green
	10			AA w/ carb stain, iron stained
	20			AA
	30			AA
	40.			AA w/ carbd & bitd remains
	1650.			AA w/pyrite
	60			AA
	70			Sh, gry-gy green
	80.			AA w/ carb. stain
	90			AA w/th ls, bff, bitd, crypt-xln dol
	1700.			AA
	10			AA
	20			AA
	30			AA
	40			AA
	1750.			AA
	60			AA
	70			AA
	80			AA
	90.			AA
	1800.			Sh, gry green

GEOLOGIST

HELTON ENGINEERING LTD
WELLSITE SAMPLE DESCRIPTION

WELL NAME Dome Petro - Pan Am - CP Hunt TROUT LAKE SHEET NO. 5
LOCATION H-45 60°50', 121°5" HWT DATE MAR 23/67

LITHOLOGY	DEPTH	PERM	POR	SAMPLE DESCRIPTION
	1810			Sh, gry grnish
	20			AA
	30			AA
	40			AA
	1850			AA
	60			AA
	70			AA
	80			AA
	90			AA
	1900			AA
	10			AA
	20			AA
	30			AA
	40			AA
	1950			AA
	60			AA
	70			AA
	80			AA
	90			AA
	2000			Sh, gry grn
	10			AA
	20			AA
	30			AA
	40			AA
	2050			AA
	60			AA
	70			AA
	80			AA
	90			AA
	2100			AA
	10			AA
	20			AA
	30			AA
	40			AA
	2150	Trace		AA
	60			Sh, lt-med bn, crypto-xln, dns w/ pyrite inclusions w/ tr lt AA
	70			AA w/ tr lt, calc xln w/ tr lt AA
	80			AA
	90			AA
	2200			Sh, lt-med bn, crypto-xln, dns, w/ pyrite inclusions
	10			Sh, med bn, crypto xln w/ pyrite
	20			AA
	30			AA
	40			AA
	2250			AA w/ lt, wh, chalky

GEOLOGIST Donald R. Hunt

HELTON ENGINEERING LTD
WELLSITE SAMPLE DESCRIPTION

WELL NAME Dome-Rosebud-Bow Valley-CGR Pem Trout Lake
LOCATION W-45 60°30', 120°15" West

SHEET NO. 6
DATE Mar 3/62

LITHOLOGY	DEPTH	SAMPLE DESCRIPTION
	60	AA
	70	AA
	80	AA, clear calc chips
	90	AA
	2300	AA
	10	AA
	20	AA, dk-dk gy, carb-lgn, pyrite
	30	AA
	40	AA
	2350	AA, lt cream clean
	60	AA
	70	AA
	80	AA
	90	AA
	2400	AA
	10	AA
	20	AA
	30	AA
	40	AA
	2450	AA
	60	AA, lt-med gy, carb-chips
	70	AA
	80	AA
	90	AA, lt gy-green w/ lt AA
	2500	AA
	10	AA
	20	AA
	30	AA, lt gy, lt-med, carb-lgn, calc, w/pyrite, w/lt-dk, clay
	40	AA
	2550	AA, lt gy-green w/ med clear
	60	AA
	70	AA
	80	AA, lt gy-green
	90	AA
	2600	AA
	10	AA, lt-dk, lt gy, lt-med, carb-lgn, pyrite
	20	AA, lt gy-green, lt, sandy, gy, clay, dk-blk, lt gy
	30	AA
	40	AA, lt-med gy, med gy-brn, lt-dk, clay, w/pyrite
	2650	AA
	60	AA
	70	AA, lt gy-gn, v h, dk, lt, calc
	80	AA
	90	AA
	2700	AA

GEOLOGIST Douglas A. Lock

HELTON ENGINEERING LTD.

WELLSITE SAMPLE DESCRIPTION

WELL NAME Dome-Pooh-Pan Am-ESP-Akmr TROUT LAKE SHEET NO. 7

LOCATION H-45 60°50', 121°15" NWT DATE Mar 3/67

LITHOLOGY	DEPTH	SHOWS Bitum	SHOWS Fluor	SAMPLE DESCRIPTION
<	10			All. vcg calc
<	20			AA
<	30			AA
	40			lt-med-gry clcareous, crypto xlln, dns, w/sh, gry-green
	5050			AA
	60			Sh, gry green
	70			AA
	80			AA
	90			Sh, gry green
	2600			All w/lcr wood shows
	10			Sh, gry green
	20			All w/lt-sh, gry brn
	30			AA
	40			AA
	2850			AA
	60			AA
	70			AA
	80			AA
	90			AA
	3000			AA
	10			AA
	20			AA
	30			AA
	40			AA
	3150			AA
	60			AA
	70			AA
	80			AA
	90			AA
	3200			AA
	10			AA
	20			AA
	30			AA
	40			AA
	3250			AA
	60			AA
	70			AA
	80			AA
	90			AA
	3100			AA
	10			AA
	20			AA
	30			AA
	40			AA
	3150			AA

GEOLOGIST Donald L. Scott

HELTON ENGINEERING LTD.
WELLSITE SAMPLE DESCRIPTION

WELL NAME Dome-Rio-Pan-Pa-CSP-Rex TROUT LAKE — SHEET NO. 8
LOCATION H-45 60°30' N 121°15" W/T — DATE MAR 3/67

LITHOLOGY	DEPTH	PHOTO	STAIN	SAMPLE DESCRIPTION
	60.			AA
	70.			AA
	80.			AA — T. Jean-Mecs 3160
	90.			AA w/ tr lt, dk bro-tan, crypto-xln-sub, clay, dol
	3500			tr dk bro-tan, crypto-xln, sub-clay, dol w/ pyrite
	10			AA
	20.			AA
	30.			AA
	40.			AA — T. Fort Simeson 3236
	3250			sh, lt-dk gry
	60.			AA
	70.			AA
	80.			AA
	90.			AA
	3300.			AA
	10.			AA
	20.			AA
	30.			AA
	40.			AA
	3350.			AA
	60.			sh, dk gry - gry bro
	70.			AA
	80.			AA
	90.			AA w/ tr ss, gry-green, tr qtz, bed, lite, glauc, tr dess/pyrite
	3400.			AA
	10.			AA
	20.			AA
	30.			AA
	40.			AA
	3450.			AA
	60.			sh, gry green - gry bro
	70.			AA
	80.			AA w/ tr ss, gry green - clr, bed lite, glauc, tr dol w/ tr pyrite
	90.			AA
	3500.			AA
	10.			AA
	20.			AA
	30.			AA - bro w/ ss, green, silty
	40.			sh, gry green, gry bro w/ ss, wh-gry-tan-bro, silty, calc, bed, lite, pyrite
	3550.			AA
	60.			AA
	70.			AA
	80.			AA
	90.			AA
	3600.			AA

GEOLOGIST Alan J. Scott

HELTON ENGINEERING LTD.
WELLSITE SAMPLE DESCRIPTION

WELL NAME Dome-Pan-Pan Ar. CSP-Pan TROUT LAKE SHEET NO. 9
LOCATION H-15 60°50' 121°15' WST DATE MAR 2/67

LITHOLOGY	DEPTH	SHOWS POROS	SHOWS STAIN	SAMPLE DESCRIPTION
	10			AA w/ coarse stems
	20			AA
	30			ss, wh, med grn, wh, hrd, tite, gtz, chc, calc, poor sorted, p/f, BA
	40			AA
	3450			AA
	60			AA w/ lte ls frag, crypto-xln, dns, w/ pyrite
	70			AA
	80			AA
	90			AA w/ fine gr ss, wh, med grn, hrd, w/ pyritized plant stems
	3700			AA
	10			AA
	20			AA
	30			AA
	40			AA
	3750			AA
	60			AA
	70			sh, gry green w/ lte ss, green, hrd, tite, gtz, chc
	80			AA
	90			AA
	3800			AA
	10			AA
	20			AA
	30			AA
	40			AA
	3850			sh, gry green w/ lte ss, green, silty, hrd, tite
	60			AA
	70			AA
	80			AA
	90			AA
	3900			AA
	10			AA
	20			AA
	30			AA
	40			AA
	3950			AA
	60			AA
	70			sh, gry
	80			AA
	90			AA
	4000			AA
	10			AA
	20			AA w/ lte ss, green, med. grn, silty, hrd, tite
	30			AA
	40			AA
	4050			AA

GEOLOGIST Donald L. Scott

HELTON ENGINEERING LTD

WELLSITE SAMPLE DESCRIPTION

WELL NAME Dome Stoda-Pinto-CSP Bear Trout Lake

LOCATION H-45 60°30' 121°15" NWT

SHEET NO. 10

DATE Mar 3/67

LITHOLOGY	DEPTH	SHOW PRESN	SHOW STAIN	SAMPLE DESCRIPTION
	60			Sh, gy
	70			AA
	80			AA
	90			AA
	4100			AA
	10			AA
	20			AA
	30			AA
	40			AA
	4150			AA
	60			AA
	70			AA
	80			AA
	90			AA
	4200			AA
	10			AA
	20			AA
	30			AA
	40			AA
	4250			AA
	60			AA
	70			AA
	80			AA w/pyrite
	90			AA
	4300			AA
	10			AA
	20			AA
	30			AA
	40			AA
	4350			AA
	60			AA
	70			AA
	80			AA
	90			AA
	4400			AA
	10			AA
	20			AA
	30			AA
	40			AA
	4450			AA
	60			AA
	70			AA
	80			AA
	90			AA
	4500			AA

GEOLOGIST Donald L. Scott

HELTON ENGINEERING LTD
WELLSITE SAMPLE DESCRIPTION

WELL NAME Dome-Pan-Pro-Ron-CP Rich Trap Cake
LOCATION H-45 60°30' 121°15" Alt

SHEET NO. 11
DATE Mar 3/67

LITHOLOGY	DEPTH	SHOW PORES	SHOW STAIN	SAMPLE DESCRIPTION
	10			Sh, gry w/ pyrite
	20			AA
	30			AA
	40			AA
	4550			AA
	60			AA
	70			AA
	80			AA
	90			AA
	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			AA
	30			AA
	40			AA
	4850			AA
	60			Ss, f-m sh, U2, blomes w/ pyrite T. Mudstone 4850
	70			Sh, U2, blomes w/ lt gry w/ pyrite
	80			AA
	90			Sh, U2, blomes w/ pyrite
	4900			AA T. Sprt Rock 4906
	10			Sh, sl sltly, dolly, w/ lt, tan, crpt, w/ pyrite, blk, w/ pyrite As Pro.
	20			Sh, dolly, w/ lt, tan-brn, crpt-clyp, dsd, blk w/ blk calc clyp w/ pyrite (No Pro)
	30			AA
	40			AA
	4950			AA

GEOLOGIST [illegible]

HELTON ENGINEERING LTD
WELLSITE SAMPLE DESCRIPTION

WELL NAME Loore-Rio-Pasko-CP Rupe TROUT LAKE
LOCATION H-45 60°50' 121°05' NWT

SHEET NO. 12
DATE APR 3/67

LITHOLOGY	DEPTH	SHOW PRES	SHOW STAIN	SAMPLE DESCRIPTION
	60			AA
	70			AA
	80			[illegible]
	90			[illegible]
	5000			[illegible]
	10			[illegible]
	20			[illegible]
	30			AA w/ [illegible]
	40			[illegible]
	5050			[illegible]
	60			AA
	70			AA
	80			[illegible]
	90			AA
	5100			[illegible]
	10			AA
	20			[illegible]
	30			[illegible]
	40			AA w/ [illegible]
	5150			[illegible]
	60			[illegible]
	70			AA
	80			AA
	90			[illegible]
	5200			[illegible] COP THICKER 5175??
	10			AA w/ [illegible]
	20			AA w/ [illegible]
	30			[illegible]
	40			[illegible]
	5250			AA
	60			AA
	70			AA
	80			[illegible]
	90			[illegible]
	5300			AA
	10			[illegible]
	20			AA
	30			[illegible]
	40			AA
	5350			AA
	60			AA
	70			[illegible]
	80			AA
	90			AA w/ [illegible]
	5400			AA

GEOLOGIST Donald L. [illegible]

HELTON ENGINEERING LTD

WELLSITE SAMPLE DESCRIPTION

WELL NAME Dome-Rio-Rio-CP Aux Trout Lake SHEET NO. 13

LOCATION H-45 60°50' 121°15" NWT DATE Mar 3/81

LITHOLOGY	DEPTH	STRIP LOG	SAMPLE DESCRIPTION
	10		[illegible]
	20 Kee River?		[illegible] T. Kee River 5420?
	30		[illegible]
	40		[illegible]
	5450		[illegible]
	60		[illegible]
	70		[illegible]
	80 P		[illegible]
	90		[illegible]
	5500		[illegible]
	10 P		[illegible]
	20		[illegible]
	30 Chinchaga		[illegible]
	40		[illegible]
	5550		[illegible] T. Chinchaga 5520
	60		[illegible]
	70 P		[illegible]
	80		[illegible]
	90		[illegible]
	5600		

Dst #1 5425-5532 min Rec 300' M. 240' SW.
[illegible] lost 35' Mud [illegible]
5" Pipe IHP 2550 IF-FF [illegible]
FHP 2510 FE 225 FH-2012 [illegible]

GEOLOGIST [illegible]

HELTON ENGINEERING LTD.

LOGGING COLORS AND SYMBOLS

Lithologic Types

CARBONATES

- DOLOMITE (with crystal & grain sizes) 928
- LIMESTONE (with crystal & grain sizes) 740½
- FRACTURES open
- FRACTURES filled with dolomite etc.
- OOLITIC [illegible] PELLETOID
- BIOCLASTIC
- LITHOGRAPHIC
- RECRYSTALLIZED (Relic structures usually visible)
- [illegible]BLASTIC

FOSSILS

- STROMATOPORA
- AMPHIPORA
- ALGAE
- GASTROPOD
- BRACHIOPOD
- OSTRACOD
- HORN CORALS
- CRINOID
- TENTACULITES
- BRYOZOA

SANDSTONE

- FINE GRAINED
- MEDIUM TO COARSE
- [illegible]
- FELDSPATHIC [illegible]
- LITHIC [illegible]
- SILTSTONE
- [illegible]

SHALE

[illegible]

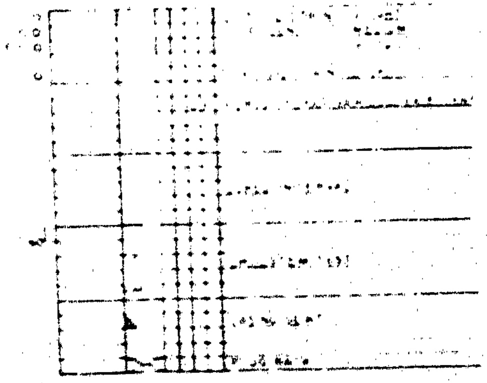
[illegible]

- [illegible]
- [illegible]
- [illegible]
- [illegible]

GENERAL

- SALT 739
- SALT CASTS
- ANHYDRITE, GYPSUM 742 / 932
- BENTONITE
- [illegible]
- [illegible] WHITE SPECKS
- [illegible]
- FISH REMAINS (fish teeth, bones, etc.)
- CHERT [illegible] opaque
- [illegible] opaque
- [illegible]
- [illegible]
- WHITE PELLETS
- [illegible] 745½
- [illegible] 739
- [illegible]
- [illegible]
- [illegible]
- [illegible] SAND GRAINS
- [illegible] 747 / 935
- [illegible] 746
- [illegible]
- [illegible]
- [illegible]
- [illegible]

MISCELLANEOUS



HELTON ENGINEERING LTD.

DRILL STEM TEST REPORT

NAME OF WELL Dome Trout Lake H-65 TEST NO. 1 DATE 3-3-67

TESTING COMPANY Eastland OPERATOR Ed Sparrow

Size of Drill Pipe 4½ FH O.D. of Packer Rubber 7¾ Type of Packer Conv.

Interval Tested 5425-5582 Estimated Feet of Effective Porosity _____ Depth of Well 5582

Formation Tested Mississippian Elevation _____ K.B. 1114 Grd. 1110 B.H. Temp. Broken

Period Open Prior To Initial Shut In 5 Min Pressure Recorder's: No. 2530 Depth 5446 No. 2553 Depth 5450

Time tester opened 7:05 AM Time tester closed 8:05 AM

Period open 1 Hour Period shut in (initial) 30 Min (final) 60 Min Choke ½" BH

I.H.P. 2590 I.F.P. Plugging (Close to final) Initial S.I.P. 2150 Field Pressures

F.H.P. 2510 F.F.P. 335 Final S.I.P. 2045

Initial puff Weak initial puff weak air blow thru out 20' fill, slidded to bottom, mud drop approx. 35' in annulus

Gas to surface _____ in _____ mins.

Fluid to surface _____ in _____ mins.

Gas Readings:

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

Pipe Recovery: 5 [illegible], [illegible] mud, [illegible]

Was test satisfactory? [illegible]

Present at test [illegible]

Samples of _____ Sent to _____ By _____

Geologist or Engineer [illegible]

Form S-30

T.G. EASTLAND — testers ltd.

R.R. No. 6, NORTH EDMONTON ALBERTA — PHONE 799-3321

TEST No. One
Date March 3, '67
Ticket No. 321

SERVICE REPORT

Well Name	Dome Et Al Trout Lake
Formation Tested	Slave Point
Interval	5583 To 5583 — Tail Pipe 158'
First Flow	5 mins. Initial Shut-in 30 mins.
Second Flow	60 mins Final Shut-in 60 mins.
Maximum Formation Temp.	°F
Fluid Cushion	540' Amount
Total Fluid Recovered	
Flow Rate	Mcf/d Pitot Tube w/Water/Merc. ins.
Side Static Press. Gauge	psig.
Fluid Description	300' Mud, 240' Salt Water
Remarks	W.I.P. 20' fill skidded to bottom, mud dropped 35', weak air blow throughout flow.
Was tool chased?	Yes
Did mud level drop?	Yes
When did mud level drop?	35'
Started in Hole	3:45am Out of Hole 11:45am
Main Hole: Depth	583 Size
Rat Hole: Depth	Size
Casing: Depth	Size Weight
Drill Pipe Size	4½"
Drill Collar: Size	6 D... I.D. Length 2 7/8"
Type of Packer(s)	Conv. No. of Packers two
Size of Packer Rubber	7¾"
Bottom Choke Size	Surface Choke Size
Drilling Fluid Type	
Viscosity	20 Weight 9.0 W.L. 4.8

Loc. 121-22'44-00" W.L.

TOOL ASSEMBLY

Components	Length
Pump out sub	1.30
Double pin sub	50
Test Tool	6.00
Equalizing Valve	2.80
Jars	6.30
Safety Joint	1.75
Packers	11.25
Stub	2.05
Bomb Carrier	9.20
Perf.	10.00
C.O.S.	8.
Rig Tail Pipe	12.40
C.O.S.	[illegible]
Perf.	2.50

DEPT. OF MINES AFFAIRS & NATURAL RESOURCES CALGARY, ALBERTA MAR 3 [illegible]

Witnesses

Co. Rep. Don Foote
Tester Ed Sparrow
Toolpusher
Drlg. Cont. [illegible] Rig No. 6

PRESSURE DATA

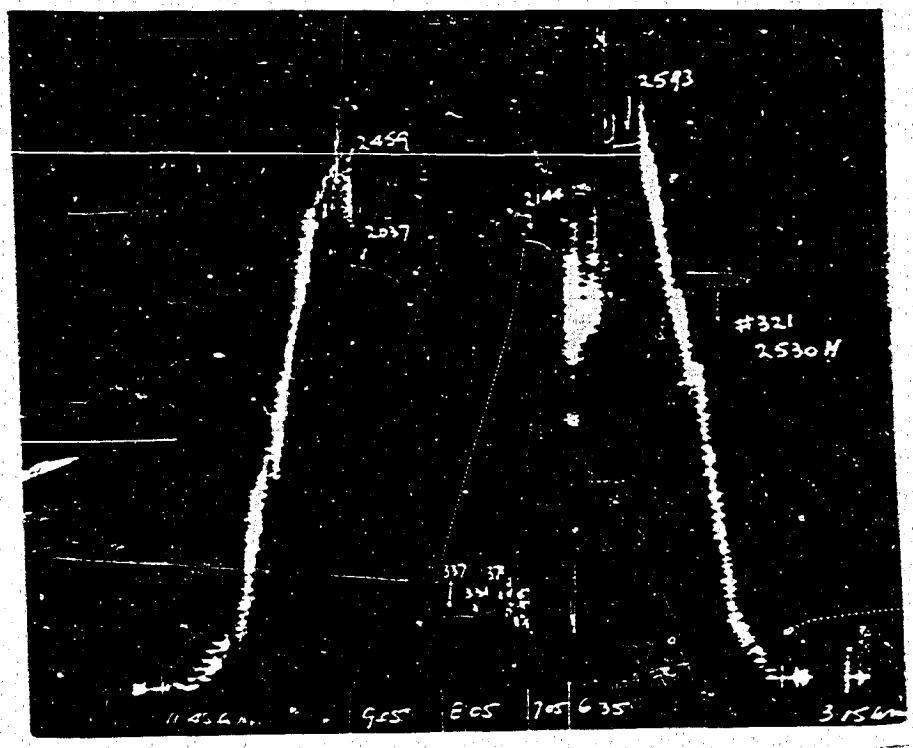
	Field Estimate		Corrected Readings	
Recorder Number		2530	2553N	
Recorder Capacity (psig)		4000	3950	
Recorder Depth		5446	5450	
Recorder Position		12	12	
Clock Capacity (hours)				
Initial Hydrostatic	2590	2593	2595	
Initial Shut-in	2.50	2144	2146	
Initial Flow		371	373	
Final Flow	335	337	339	
Final Shut-in	2045	2037	2039	
Final Hydrostatic	2510	2459	2461	

T.G. EASTLAND — testers ltd.

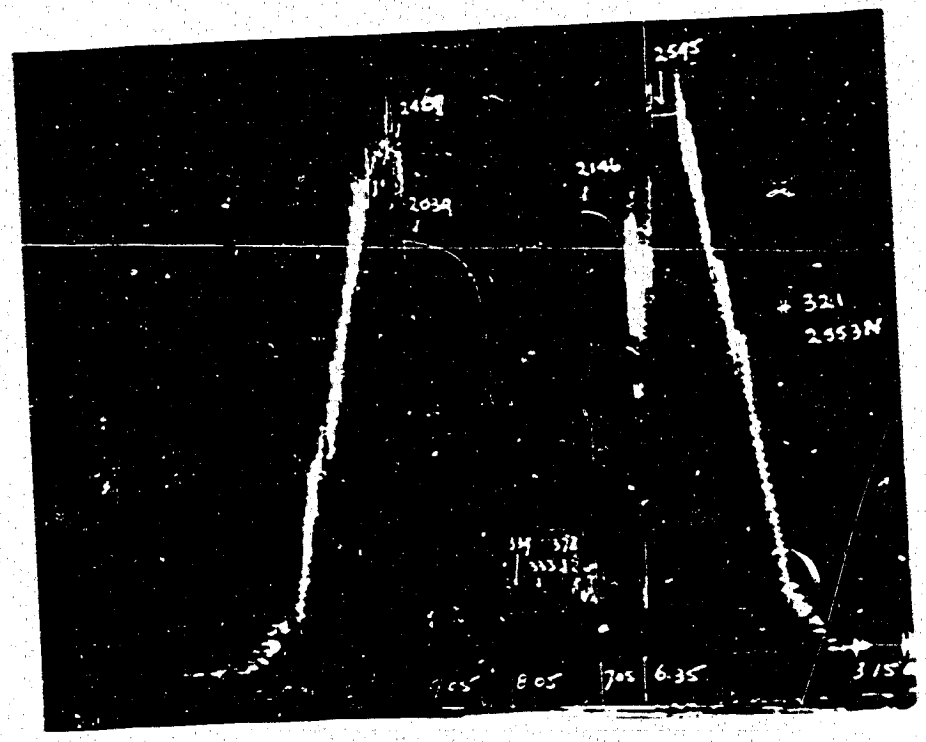
TEST No. One
Date Mar. 3/67
Ticket No. 321

WELL NAME DOME ET AL TROUT LAKE

RECORDER No. 2530 ELEMENT RANGE 4000 P.S.I. CHART SPEED 12 HRS. RECORDER DEPTH 5446



RECORDER No. 2553N ELEMENT RANGE 3950 P.S.I. CHART SPEED 12 HRS. RECORDER DEPTH 5450



HELTON ENGINEERING LTD.

Surface Casing
Intermediate Casing O.D. 9 5/8"
Production Casing
Liner

CASING SUMMARY

Well DOME TROUT LAKE Location H-45 Date

Station Local	Ft. in Local	Cig Wt	Gr	Rge	Thd	T&C	Maker	Jts Run	Depth Landed	Ft. Run in Well
30	952.74	36#	J-55	2	8 Rd.	STC	NKK	29	918	904

Shoe Make BAKER Type GUIDE 1.20 Length

Collar Make BAKER Type FLOAT 1.85 Length

Landing Joint (when used) Length CUT OFF

Overall Length of Casing String 952.74

Feet up from K.B. (Subtract) 5'

Setting Depth Log 917 Driller 918 918 Tally

Shoe Joint Overall 32.85 (Subtract)

Float Collar Landed Log Driller 885.97 Tally

K.B. to Cig. Flg 13.97 ft. Cut off 18.97 ft.

CENTRALIZERS

Make BAKER Number 3

Positions 10', 60', 90'

SCRATCHERS

Make BAKER Number 9

Positions 10, 60, 90

Number Joints Without 3

Remarks good cement returns

OPERATOR Dome Petroleum Ltd.

AGENT OF OPERATOR John Ive

Form 2 (McAra)

HELTON ENGINEERING LTD.

RUNNING and CEMENTING

Surface Casing ✓
Intermediate Casing
Production Casing
Liner

O.D. 9 5/8

GENERAL

Well: Location: Date: FEB 17/67

K.B. Elevation: K.B. Clg. Flge: 13.92 Total Depth (Driller): 918

Hole Size	13 3/4	Casing in Hole	904
Depth	918	Depth Set	918

Mud Type: GEL Wt: 9.5 Vis: 45-50 W.L.:

B.O.P.'s:

RUNNING

Power Tongs: Torque Max: N.m Min:

Time pipe started: 9:15 AM Time on Bottom: 2:45 AM Time Circulated: 1 HOUR

Fill up Points: Stm. by Clg.: 918 Ft. up from K.B.: 5'

Remarks:

CEMENTING

Cement Co.: DOWELL Operator: Time on Location: 7:AM

Type & Quantity of Cement: 550'SES OILWELL

Hole Mud Conditioned: TO SURF

Water ahead: 10 bbls. Mix Time Start: 3.45 AM finish: 4:30 AM Slurry Wt.: 15.2 +

Calc. Disp.: 37% Max. Mud Wt. Used: 68 Max. Displacement Start: 4:30 AM finish: 4:45 AM

Max. Pumping Pressure: 800# Bump Plug: 800# Bumped: Yes Times Bumped: 1

Cement Returns: Yes Float Held: YES Amt. Cement: YES, 15' Cut with Circulating Cementing

Remarks: Good

LANDING

Time Landed: 4:45 AM Date: FEB 18/67 Hook Wt. Casing Hanging: 33,156#

Wt. Landed on Slips: ON BOTTOM Type: O.C.T. Size: 4 5/8 Length: 400

Slip & Seal Assembly: NONE Remarks:

OPERATOR: DOME PETROLEUM LTD

ASSIST. OPERATOR: JOHN DYE

Form 3 (Mar/61)

HELTON ENGINEERING LTD.

BIT RECORD

Well Name [illegible] Lake [illegible]

Location [illegible] 60°00' 121°15" Prov. West

Bit No.	DEPTH From	DEPTH To	Size	MAKE AND TYPE		Footage	Hours Run	REMARKS
1A	0	375	15¾	Hw	[illegible]	375	11½	
2A	375	918	15¾	Hw	[illegible]	543	11¾	
1	918	1840	8¾	Hw	[illegible]	922	15½	
2	1840	2303	8¾	Hw	[illegible]	457	11½	
3	2303	3105	8¾	Hw	[illegible]	802	34	
4	3105	3720	8¾	Hw	[illegible]	615	27¾	
5	3720	4271	8¾	Hw	[illegible]	551	26½	
6	4271	4712	8¾	Hw	[illegible]	441	24½	
7	4712	4992	8¾	Hw	[illegible]	280	22¾	
8	4992	5287	8¾	Hw	[illegible]	295	23½	
9	5287	5506	8¾	Hw	[illegible]	219	21¾	
10	5506	5582	8¾	Sec	[illegible]	76		

DOME PROVO PAN AM CSP AMOX TROUT DK #-45

MUD SUMMARY

A gel type mud was used in this well from under the surface casing to total depth. Viscosities of 45-65, were maintained until the Devonian carbonates were encountered, after which the viscosity was raised to 125-150. Some caving of the Banff shales was encountered, but was held to a minimum. Fill, from 40 to 150 feet was encountered after tripping. A Quick-Vis plug was run just prior to tripping, and this seemed to help keep the hole from having large amounts of fill after tripping. After completion of drilling, one drill stem test was run. The tool was slid to bottom through 10 feet of fill and the test was successfully completed. After the test the hole was cleaned out and the logging tools went to bottom with no problems.

HELTON ENGINEERING LTD.

WELL NAME: Dome Trout Lake H-05

DEVIATION SURVEYS

Depth Feet	Deviation Degrees	Change Degrees	Interval Feet	Hole Size Inches
120	3/4°	+ 3/4°	120	13 3/4
185	1°	+ 1/4°	65	13 3/4
300	7/8°	- 1/8°	115	13 3/4
432	1/4°	- 5/8°	132	13 3/4
545	3/4°	+ 1/2°	113	13 3/4
675	3/4°	--	130	13 3/4
775	1/2°	- 1/4°	100	13 3/4
885	1°	+ 1/2°	110	13 3/4
1330	3/4°	- 1/4°	445	8 3/4
1730	1/2°	- 1/4°	400	8 3/4
1846	1 1/8°	5/8°	116	8 3/4
2235	1 1/2°	+ 1/3°	396	8 3/4
2538	1°	+ 3/4°	303	8 3/4
2948	1°	-	410	8 3/4
3100	1°	--	152	8 3/4
3500	2°	+ 1/2°	400	8 3/4
3648	2 1/2°	+ 1/2°	148	8 3/4

Form 1-23

HE[illegible]TON ENGINEERING LTD.

WELL NAME: Dome Trout Creek H-45

DEVIATION SURVEYS

Depth Feet	Deviation Degrees	Change Degrees	Interval Feet	Hole Size Inches
3720	2½°	-½°	72	8¾
3800	3°	+½°	80	8¾
3930	[illegible]°	+1°	130	8¾
4026	4⅛°	+⅛°	96	8¾
4118	4⅛°	--	92	8¾
4241	3½°	-⅝°	123	8¾
4270	3½°	--	29	8¾
4360	[illegible]	+1°	90	8¾
4480	3½°	-1½°	120	8¾
4602	[illegible]	--	122	8¾
[illegible]	3½°	+½°	162	8¾
4852	[illegible]°	+½°	94	8¾
4952	[illegible]°		108	8¾
[illegible]	3½°	-½°	110	8¾
[illegible]	[illegible]	+½°	185	8¾
[illegible]	[illegible]			

Form S-33

HELTON ENGINEERING LTD.

PLUG-BACK AND ABANDONMENT REPORT

Well Dome - Trout Lake H-45 Location H-45, 60°50' 121°15" NWT

Hole Size	15¾	8¾		
Depth	918	5582		

K.B. Elev. 1694

F.T.D. 5582

Casing in Hole	Size	Set at	Top of Cement
Surface Casing	9⅝	918	
Production String	-	-	

Fluid in Hole Gel Mud

Plug Back String

Service Company Halliburton

Cons. Bd. Officer B. J. Thomas

	Plug 1	Plug 2	Plug 3	Plug 4	Plug 5	Plug 6
Date						
Interval - Top	5200	4830	867			
Bottom	5582	5100	967	SURF		
Formation - Name	Sulphur	Slave	Bot. of Surf Pipe			
Depth						
Calipered Hole Size (Average)						
Type of Cement	Oil well	Oil well	Oil well			
No. of Sacks	42	98	54	5		
Additives						
Bbls. of Water Ahead						
Displacement - Bbls. H						
Bbls. Mud	76	66				
Slurry Weight						
Mixing Times - Start						
Finish						
Displacing Times - Start						
Finish						
Felt Plug Time			3 AM 8/7			
Felt Plug Depth			897			

Surface Casing Cut _____ ft. Below Grd. Surface Plug 5 Sacks.

Plate Welded Yes/No

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

Remarks _____

Operator Dome Petroleum Ltd

Agent of Operator John Dye

R.L. Moore

Form S-34

HELTON ENGINEERING LTD.

DAILY DRILLING REPORT

As of 8:00 a.m.

Well Name & No. [illegible] Trout [illegible] 1-65

Date Feb 17/67 Depth 713 ft. Progress 713 ft. Day No. 1

Operation [illegible]

Contract hrs. ____ Day Work hrs. ____ Rotating hrs. 19 Trip hrs. 1½

Other [illegible]

MUD		SURVEYS	
Properties	Additives		
Wt. 9.5		100 ft.	[illegible] deg.
Visc. 27		185 ft.	1 deg.
WL		300 ft.	7/8 deg.
FC		432 ft.	1/2 deg.
pH		565 ft.	3/4 deg.
Other		675 ft.	3/4 deg.
		ft.	deg.
		ft.	deg.
		ft.	deg.

TRIP - PULLED

Bit No. 1A [illegible] 585 ft. Fill ____ ft.

Bit No. ____ ft. Fill ____ ft.

PIPE STRAPS

Tally ____ ft. Board ____ ft. Correction Yes ____ No ____

Tally ____ ft. Board ____ ft. Correction Yes ____ No ____

Operations [illegible] hrs. [illegible] Drawer [illegible] 910 Feb 16, 1967

[illegible] 1 [illegible] 1 [illegible]

HELTON ENGINEERING LTD.

DAILY DRILLING REPORT

As of 8:00 a.m.

Well Name & No. [illegible] West Coast H-45

Date [illegible] Depth 448 ft. Progress 265 ft. Day No. 2

Operation [illegible]

Contract hrs. ____ Day Work hrs. ____ Rotating hrs. 6½ Trip hrs. 4

Other [illegible]

MUD		SURVEYS	
Properties	Additives		
Wt. 9.5		775 ft.	½ deg.
Visc. 50		885 ft.	1 deg.
WL		ft.	deg.
FC		ft.	deg.
pH		ft.	deg.
Other		ft.	deg.
		ft.	deg.
		ft.	deg.

TRIPS - FULLED

Bit No. [illegible] 9.5 ft. Fill ____ ft.

Bit No. ____ ft. Fill ____ ft.

PIPE STRAPS

Tally ____ ft. Board ____ ft. Correction Yes ___ No ___

Tally ____ ft. Board ____ ft. Correction Yes ___ No ___

Operations past 24 hrs. [illegible]

HELTON ENGINEERING LTD.

DAILY DRILLING REPORT

As of 8:00 a.m.

Well Name & No. Dome Trout Lake H-25

Date Feb 19/82 Depth 918 ft. Progress — ft. Day No. 3

Operation Trip

Contract hrs. ____ Day Work hrs. ____ Rotating hrs. ____ Trip hrs. ____

Other [illegible]

MUD		SURVEYS	
Properties	Additives	ft.	deg.
Wt.		ft.	deg.
Visc.		ft.	deg.
WL		ft.	deg.
FC		ft.	deg.
pH		ft.	deg.
Other		ft.	deg.
		ft.	deg.
		ft.	deg.

TRIPS - PULLED

Bit No. ____ ft. Fill ____ ft.

Bit No. ____ ft. Fill ____ ft.

PIPE STRAPS

Tally ____ ft. Board ____ ft. Correction Yes ___ No ___

Tally ____ ft. Board ____ ft. Correction Yes ___ No ___

Operations last 24 hrs. [illegible]

HELTON ENGINEERING LTD.

DAILY DRILLING REPORT

As of 8:00 a.m.

Well Name & No. Dome Trout Lake H-13

Date Feb 20/67 Depth 1846 ft. Progress 928 ft. Day No. 4

Operation Tripping

Contract hrs. ____ Day Work hrs. ____ Rotating hrs. 13½ Trip hrs. 5½

Other Rig Serv ½, Wash 1½, Lay down 2, Circ & Cond Tons - Inside Hole 1½
Survey 1

MUD		SURVEYS	
Properties	Additives		
Wt. 8.9		1330 ft.	¾ deg.
Visc. 30		1730 ft.	½ deg.
WL 18		1846 ft.	½ deg.
FC		ft.	deg.
pH		ft.	deg.
Other		ft.	deg.
		ft.	deg.
		ft.	deg.

TRIPS - PULLED

Bit No. 1 @ 1846 ft. Fill ____ ft.

Bit No. ____ @ ____ ft. Fill ____ ft.

PIPE STRAPS

Tally ____ ft. Board ____ ft. Correction Yes ___ No ___

Tally ____ ft. Board ____ ft. Correction Yes ___ No ___

Operations past 24 hrs. Circ & Condition, Lay down, Start out
[illegible]

HELTON ENGINEERING LTD.

DAILY DRILLING REPORT

As of 8:00 a.m.

Well Name & No. Dome Texas Core N-45

Date Feb 21/67 Depth 2463 ft. Progress 617 ft. Day No. 5

Operation Drilling

Contract hrs. ____ Day Work hrs. ____ Rotating hrs. 19 Trip hrs. 3½

Other Rig Ser ¾, Survey ½, Circ to Run ¾

MUD		SURVEYS	
Properties	Additives	2242 ft.	½ deg.
Wt. 8.9		ft.	deg.
Visc. 32		ft.	deg.
WL 12		ft.	deg.
FC 2/32		ft.	deg.
pH 7		ft.	deg.
Other		ft.	deg.
		ft.	deg.
		ft.	deg.

TRIPS - PULLED

Bit No. 2 ____ ft. Fill ____ ft.

Bit No. ____ ft. Fill ____ ft.

PIPE STRAPS

Tally ____ ft. Board ____ ft. Correction Yes ___ No ___

Tally ____ ft. Board ____ ft. Correction Yes ___ No ___

Operations past 24 hrs. Drlg 8¾" hole, no Problems, Trip for bit

HELTON ENGINEERING LTD.

DAILY DRILLING REPORT

As of 8:00 a.m.

Well Name & No. Sonc Trout Lake H-45

Date Feb 17/80 Depth 3011 ft. Progress 528 ft. Day No. 6

Operation Drilling

Contract hrs. ____ Day Work hrs. ____ Rotating hrs. 23 Trip hrs. ____

Other Rig Serv 1½, Survey ½

MUD		SURVEYS	
Properties	Additives		
Wt. 89		2550 ft.	1 deg.
Visc. 35		2860 ft.	1 deg.
WL 10		ft.	deg.
FC 2/32		ft.	deg.
pH 8		ft.	deg.
Other		ft.	deg.
		ft.	deg.
		ft.	deg.

TRIPS - PULLED

Bit No. ____ @ ____ ft. Fill ____ ft.

Bit No. ____ @ ____ ft. Fill ____ ft.

PIPE STRAPS

Tally ____ ft. Board ____ ft. Correction Yes ___ No ___

Tally ____ ft. Board ____ ft. Correction Yes ___ No ___

Operations past 24 hrs. [illegible]

HELTON ENGINEERING LTD.

DAILY DRILLING REPORT

As of 8:00 a.m.

Well Name & No. Dome Trout Lake H-65

Date Feb 23/67 Depth 3485 ft. Progress 474 ft. Day No. 7

Operation Drilling

Contract hrs. ____ Day Work hrs. ____ Rotating hrs. 19 Trip hrs. 5½

Other Rig Ser ½ Survey ½ Circ ½ Sup. cut drlg line ½ Circ 50' to bottom ½

MUD		SURVEYS	
Properties	Additives	3100 ft.	1 deg.
Wt. 9.0		ft.	deg.
Visc. 55		ft.	deg.
WL 9.2		ft.	deg.
FC Tr		ft.	deg.
pH 8.0		ft.	deg.
Other		ft.	deg.
		ft.	deg.
		ft.	deg.

TRIPS - PULLED

Bit No. [illegible] ft. Fill 50 ft.

Bit No. [illegible] ft. Fill ____ ft.

PIPE STRAPS

Tally ____ ft. Board ____ ft. Correction Yes ___ No ___

Tally ____ ft. Board ____ ft. Correction Yes ___ No ___

Operations past 24 hrs. Drlg ahead. Halliburton TD for [illegible] [illegible] [illegible] [illegible]

HELTON ENGINEERING LTD.

DAILY DRILLING REPORT

As of 8:00 a.m.

Well Name & No. [illegible]

Date [illegible] Depth [illegible] ft. Progress [illegible] ft. Day No. [illegible]

Operation [illegible]

Contract hrs. ____ Day Work hrs. ____ Rotating hrs. [illegible] Trip hrs. [illegible]

Other [illegible]

MUD		SURVEYS	
Properties	Additives		
Wt. 9.0		[illegible] ft. [illegible] deg.	
Visc. 34		[illegible] ft. [illegible] deg.	
WL 9.8		[illegible] ft. [illegible] deg.	
FC [illegible]		____ ft. ____ deg.	
pH 8.0		____ ft. ____ deg.	
Other ____		____ ft. ____ deg.	
		____ ft. ____ deg.	
		____ ft. ____ deg.	

TRIPS - PULLED

Bit No. [illegible] ft. Fill [illegible] ft.

Bit No. ____ ft. Fill ____ ft.

PIPE STRAPS

Tally ____ ft. Board ____ ft. Correction Yes ___ No ___

Tally ____ ft. Board ____ ft. Correction Yes ___ No ___

Operations past 24 hrs. [illegible]

HELTON ENGINEERING L.D.

DAILY DRILLING REPORT

As of 8:00 a.m.

Well Name & No. [illegible]

Date [illegible] Depth [illegible] ft. Progress [illegible] ft. Day No. 9

Operation [illegible]

Contract hrs. ____ Day Work hrs. ____ Rotating hrs. 22 Trip hrs. ____

Other [illegible]

MUD		SURVEYS	
Properties	Additives		
Wt. [illegible]		[illegible] ft.	¼ deg.
Visc. [illegible]		[illegible] ft.	[illegible] deg.
WL [illegible]		[illegible] ft.	[illegible] deg.
FC [illegible]		____ ft.	____ deg.
pH [illegible]		____ ft.	____ deg.
Other ____		____ ft.	____ deg.
		____ ft.	____ deg.
		____ ft.	____ deg.

TRIPS - PULLED

Bit No. ____ ____ ft. Fill ____ ft.

Bit No. ____ ____ ft. Fill ____ ft.

PIPE STRAPS

Tally ____ ft. Board ____ ft. Correction Yes ____ No ____

Tally ____ ft. Board ____ ft. Correction Yes ____ No ____

Operations past 24 hrs. [illegible]

HELTON ENGINEERING LTD.

DAILY DRILLING REPORT

As of 8:00 a.m.

Well Name & No. Home [illegible] 11-35

Date FEB 26 67 Depth 4556 ft. Progress 294 ft. Day No. 10

Operation Drilling

Contract hrs. ____ Day Work hrs. ____ Rotating hrs. 15 1/2 Trip hrs. 3 1/2

Other [illegible]

MUD		SURVEYS	
Properties	Additives		
Wt. 9.0		4070 ft.	3 1/2 deg.
Visc. 62		4340 ft.	4 1/2 deg.
WL 12		4480 ft.	3 1/2 deg.
FC 2/32		ft.	deg.
pH 8.0		ft.	deg.
Other		ft.	deg.
		ft.	deg.
		ft.	deg.

TRIPS - FILLUP

Bit No. [illegible] ft. Fill 180 ft.

Bit No. [illegible] ft. Fill ____ ft.

PIPE STRAPS

Tally ____ ft. Board ____ ft. Correction Yes ___ No ___

Tally ____ ft. Board ____ ft. Correction Yes ___ No ___

Operations past 24 hrs. [illegible]

HELTON ENGINEERING LTD.

DAILY DRILLING REPORT

As of 8:00 a.m.

Well Name & No. Dome Trout Lake H-45

Date Feb 27/67 Depth 4611 ft. Progress [illegible] ft. Day No. 11

Operation Drilling

Contract hrs. ____ Day Work hrs. ____ Rotating hrs. 15 3/4 Trip hrs. 5 1/2

Other Pick Up Sub, Install Kelly, Circulate to Bottom 140' 3/4

MUD		SURVEYS	
Properties	Additives	4608 ft.	3 1/2 deg.
Wt. 91		4790 ft.	3 3/4 deg.
Visc. 60		ft.	deg.
WL 6.8		ft.	deg.
FC 2/32		ft.	deg.
pH 8.0		ft.	deg.
Other		ft.	deg.
		ft.	deg.
		ft.	deg.

TRIPS - PULLED

Bit No. 6 4112 ft. Fill 140 ft.

Bit No. ____ ft. Fill ____ ft.

PIPE STRING

Tally 4729.93 ft. Board 4730.09 ft. Correction Yes ___ No X

Tally ____ ft. Board ____ ft. Correction Yes ___ No ___

Operations past 24 hrs. Pick Up #6 Drill Pipe 140 Fill Stand Pipe, Circ. Off Water to Condition

HELTON ENGINEERING LTD.

DAILY DRILLING REPORT

As of 8:00 a.m.

Well Name & No. Dome Trout Lake H-45

Date FEB 28/67 Depth 5030 ft. Progress 223 ft. Day No. 12

Operation Drilling

Contract hrs. ____ Day Work hrs. ____ Rotating hrs. 18½ Trip hrs. 5½

Other Rig Serv ½, Survey ¾, Circ 1, Clean to Bottom 4½

MUD		SURVEYS	
Properties	Additives	4884 ft.	4 deg.
Wt. 9.0		4992 ft.	4 deg.
Visc. 118		ft.	deg.
WL 5.6		ft.	deg.
FC 2/32		ft.	deg.
pH 7.6		ft.	deg.
Other		ft.	deg.
		ft.	deg.
		ft.	deg.

TRIPS - PULL'D

Bit No. 7 ft. Fill 40 ft.

Bit No. ____ ft. Fill ____ ft.

PIPE STRAPS

Tally ____ ft. Board ____ ft. Correction Yes ___ No ___

Tally ____ ft. Board ____ ft. Correction Yes ___ No ___

Operations past 24 hrs. Drill ahead, No problems, found only 40' of cavings, pick up tubing for bit #8

HELTON ENGINEERING LTD.

DAILY DRILLING REPORT

As of 8:00 a.m.

Well Name & No. Dome Trout Lake H-45

Date Mar 1/67 Depth 5287 ft. Progress 1 ft. Day No. 13

Operation Tripping

Contract hrs. ____ Day Work hrs. ____ Rotating hrs. 21½ Trip hrs. 1½

Other Pipe Scr ½, Sidewalk ½

MUD		SURVEYS	
Properties	Additives		
Wt. 9.0		5102 ft.	3½ deg.
Visc. 132		5287 ft.	3½ deg.
WL 5.6		ft.	deg.
FC 2/32		ft.	deg.
pH 7.6		ft.	deg.
Other		ft.	deg.
		ft.	deg.
		ft.	deg.

TRIPS - PULLED

Bit No. 5½ [illegible] ft. Fill ____ ft.

Bit No. 9 ____ ft. Fill ____ ft.

PIPE STRING

Tally ____ ft. Board ____ ft. Correction Yes ___ No ___

Tally ____ ft. Board ____ ft. Correction Yes ___ No ___

Operations past 24 hrs. Drilling while still going smoothly

No problems

HELTON ENGINEERING LTD.

DAILY DRILLING REPORT

As of 8:00 a.m.

Well Name & No. Dome Trout Lake H-45

Date Mar 2/67 Depth 5498 ft. Progress 211 ft. Day No. 14

Operation Drilling

Contract hrs. ____ Day Work hrs. ____ Rotating hrs. 20½ Trip hrs. 1½

Other Rig Serv. Clean to Bottom ½ Slip-Cut Drill Line ½

MUD		SURVEYS	
Properties	Additives	5287 ft.	3¾ deg.
Wt. 9.0		ft.	deg.
Visc. 135		ft.	deg.
WL 4.6		ft.	deg.
FC 5/32		ft.	deg.
pH 7.6		ft.	deg.
Other		ft.	deg.
		ft.	deg.
		ft.	deg.

TRIPS - PULLED

Bit No. ____ @ ____ ft. Fill ____ ft.

Bit No. ____ @ ____ ft. Fill ____ ft.

PIPE STRAPS

Tally ____ ft. Board ____ ft. Correction Yes ___ No ___

Tally ____ ft. Board ____ ft. Correction Yes ___ No ___

Operations past 24 hrs. No Deviation

HELTON ENGINEERING LTD.

DAILY DRILLING REPORT

As of 8:00 a.m.

Well Name & No. Dome Trout Lake H-45

Date Mar 3/67 Depth 5582 ft. Progress 84 ft. Day No. 15

Operation Testing

Contract hrs. ____ Day Work hrs. ____ Rotating hrs. 9 Trip hrs. 7½

Other Rig Ser - ¾ Survey ¼, Clean to bottom 15 - ¼ hr, Circ to tst 1½
Make up test tool ½

MUD		SURVEYS	
Properties	Additives	5506 ft.	3 deg.
Wt. 9.1		ft.	deg.
Visc. 120		ft.	deg.
WL 4.2		ft.	deg.
FC 2/32		ft.	deg.
pH 7.4		ft.	deg.
Other		ft.	deg.
		ft.	deg.
		ft.	deg.

TRIPS - PULLED

Bit No. 14 @ [illegible] ft. Fill ____ ft.

Bit No. 14 @ [illegible] ft. Fill ____ ft.

PIPE STRAPS

Tally ____ ft. Board ____ ft. Correction Yes ____ No ____

Tally ____ ft. Board ____ ft. Correction Yes ____ No ____

Operations past 24 hrs. Drill to T.D. of 5582. Circulate and condition hole for tst #1 5025-5582. Come out of hole and make up test tool. Run tool in hole. Fill tool. Go to bottom. Lost approximately 35' mud down drill pipe.

HELTON ENGINEERING LTD.

DAILY DRILLING REPORT

As of 8:00 a.m.

Well Name & No. Dome Trout Lake H-45

Date Mar 2/67 Depth 5582 ft. Progress --- ft. Day No. 16

Operation Logging

Contract hrs. ____ Day Work hrs. ____ Rotating hrs. ____ Trip hrs. 5 3/4

Other Tool open 1/4 shut in 1, clean to bottom 1/2, lay down packer 1 3/4, pipe to log 2 1/2, logging 12 3/4

MUD		SURVEYS	
Properties	Additives	ft.	deg.
Wt.		ft.	deg.
Visc.		ft.	deg.
WL		ft.	deg.
FC		ft.	deg.
pH		ft.	deg.
Other		ft.	deg.
		ft.	deg.
		ft.	deg.

TRIPS - PULLED

Bit No. ____ @ ____ ft. Fill ____ ft.

Bit No. ____ @ ____ ft. Fill ____ ft.

PIPE STRAPS

Tally ____ ft. Board ____ ft. Correction Yes ___ No ___

Tally ____ ft. Board ____ ft. Correction Yes ___ No ___

Operations past 24 hrs. Completed DST #1 5523-5582 Tool open 1 hour 1 min. Good blow 20" Sec. IHP 2590 FHP 2590, IFP [illegible] FFP [illegible] ISI 2150 [illegible] FSI [illegible] Went back in hole continued hole. Commenced logging with Schlumberger.

HELTON ENGINEERING LTD.

DAILY DRILLING REPORT

As of 8:00 a.m.

Well Name & No. Dome TROUT LAKE H-45

Date [illegible] Depth 5582 ft. Progress — ft. Day No. 17

Operation WAITING ON CEMENTERS

Contract hrs. ____ Day Work hrs. ____ Rotating hrs. ____ Trip hrs. ____

Other LAY ON ORDERS 17 LOW IN OPER. RUNNING PIPE 2, WAIT ON CEMENT TRUCK 5

MUD		SURVEYS	
Properties	Additives	ft.	deg.
Wt.		ft.	deg.
Visc.		ft.	deg.
WL		ft.	deg.
FC		ft.	deg.
pH		ft.	deg.
Other		ft.	deg.
		ft.	deg.
		ft.	deg.

TRIPS - PULLED

Bit No. ____ @ ____ ft. Fill ____ ft.

Bit No. ____ @ ____ ft. Fill ____ ft.

PIPE STRAPS

Tally ____ ft. Board ____ ft. Correction Yes ____ No ____

Tally ____ ft. Board ____ ft. Correction Yes ____ No ____

Operations past 24 hrs. LAY ON ORDERS REQUIRED TO PROCEED WITH RUNNING OF WELL. CALL CEMENT TRUCK. GOING WITH PIPE OPEN ENDED.

HELTON ENGINEERING LTD.

DAILY DRILLING REPORT

As of 8:00 a.m.

Well Name & No. [illegible]

Date [illegible] Depth _____ ft. Progress _____ ft. Day No. 18

Operation [illegible]

Contract hrs. _____ Day Work hrs. _____ Rotating hrs. _____ Trip hrs. _____

Other _____

MUD		SURVEYS	
Properties	Additives	ft.	deg.
Wt.		ft.	deg.
Visc.		ft.	deg.
WL		ft.	deg.
FC		ft.	deg.
pH		ft.	deg.
Other		ft.	deg.
		ft.	deg.
		ft.	deg.

TRIPS - PULLED

Bit No. _____ @ _____ ft. Fill _____ ft.

Bit No. _____ @ _____ ft. Fill _____ ft.

PIPE STRAPS

Tally _____ ft. Board _____ ft. Correction Yes ___ No ___

Tally _____ ft. Board _____ ft. Correction Yes ___ No ___

Operations past 24 hrs. [illegible] March 6 1967 [illegible]

CORE LABORATORIES-CANADA LTD.

PETROLEUM RESERVOIR ENGINEERING

EDMONTON CALGARY REGINA

WATER ANALYSIS

File CBH-2-1262

Company Dome Petroleum Limited

Well Name Dome Provc Pan Am CSP Almx Trout Lk H-45 Sample No.

Formation Slave Point Depth 5425' - 5582'

Location 60° 44' 20.00" NL / 121° 22' 44.00" WL Field Celibeta Lake Area Province Northwest Territories

Date Sampled Date Analyzed Mar. 13/67 Analyst V.C. & J.K.

Sampled From DST #1 (Bottom of Recovery) By

Recovery Elevation 1680'

Constituents:

1. Total Solids 71,513 mg/liter 2. pH 6.40 3. Sp.Gr. 1.0516 @60°F.

4. Resistivity 0.095 Ohm-meters @ 73 °F 5. H_2S Absent

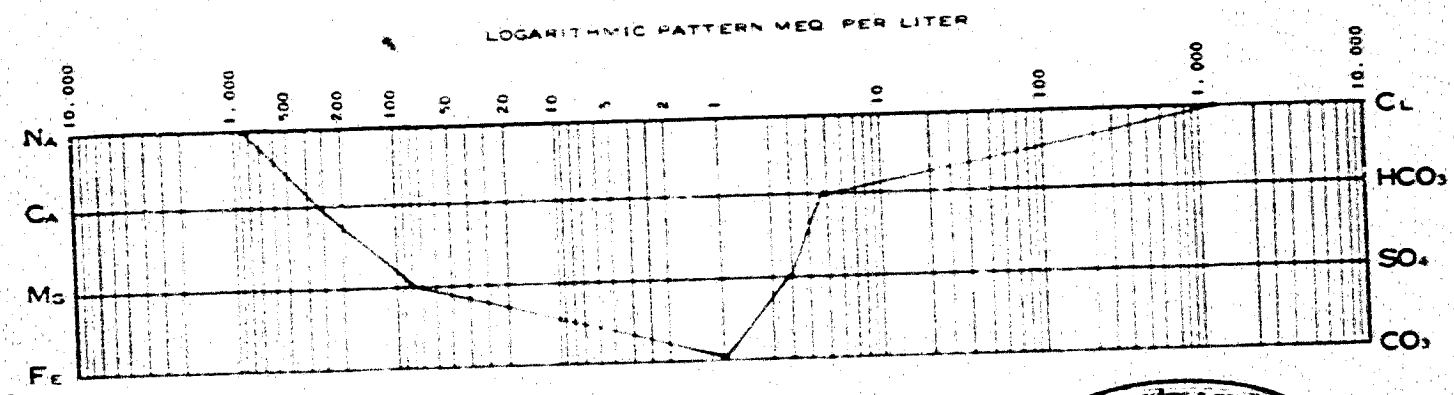
MILLIGRAMS PER LITER

Na & K	Ca	Mg	Fe	Ba		Cl	HCO_3	SO_4	CO_3	OH	
19,663	6,317	990	Pres.	Abs.		44,099	298	146	-	-	

MEQ PER LITER

854.9	315.2	81.4	-	-		1243.6	4.9	3.0	-	-	

LOGARITHMIC PATTERN MEQ PER LITER



DOME PROVO PAN
AM CSP ALMX

TROUT LK. H-45

60-50-121-15

FILE:

DA 259

CAN-TEX DRILLING & EXPLORATION LTD.

DAILY DRILLING REPORT

Date Mar 6 1967

Rig# 6 Location Dome Pres Pan Am Trust Lake H-45 Job# 357

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS No.	O.D.	I.D.	Wgt.	FORMATION	OIL / FUEL / WATER
5582 TD.										

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

MUD	12 Mn.	2 a.m.	4 a.m.	6 a.m.
WEIGHT				
VISCOSITY				
GEL				

Additives: FEET PLUG # 3 @ 857.

At Surveys Degree

MOTOR HOURS 1 2 3 4 5

Next Oil Change

PUMPS: No. 1 Pressure / Model S.P.M. / Liner Size; No. 2 Pressure / Model S.P.M. / Liner Size

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

General

W.L. F.C. pH.

Stands / Singles / D. Collars / Other Ft. / C.B. Ft. / Subs. Ft. / Ft. Up On Kelly / TOTAL

REMARKS	Time Start	Stop	Interval
WOC	12:00	3:00	3
FEET PLUG # 3	3:00	3:30	1/2
LAY DOWN PIPE.	3:30	4:30	1
CLEAN UP BOP.S +	4:30		
TEAR OUT SAME		8:00	3 1/2
Company Time 8	Cont'r Time		
Tearing Out Rig for Move.	8:00	4:00	8
Rig Released @ 4:00 P.M.			
Company Time 8	Cont'r Time		
Tearing Out Rig for Move	8:00	4:00	
Company Time	Cont'r Time		

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS No.	O.D.	I.D.	Wgt.	FORMATION	OIL / FUEL / WATER

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

MUD	8 a.m.	10 a.m.	12 Noon	2 p.m.
WEIGHT				
VISCOSITY				
GEL				

Additives

At Surveys Degree

MOTOR HOURS 1 2 3 4 5

Next Oil Change

PUMPS: No. 1 Pressure / Model S.P.M. / Liner Size; No. 2 Pressure / Model S.P.M. / Liner Size

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

General

W.L. F.C. pH.

Stands / Singles / D. Collars / Other Ft. / C.B. Ft. / Subs. Ft. / Ft. Up On Kelly / TOTAL

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS No.	O.D.	I.D.	Wgt.	FORMATION	OIL / FUEL / WATER

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

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.
WEIGHT				
VISCOSITY				
GEL				

Additives

At Surveys Degree

MOTOR HOURS 1 2 3 4 5

Next Oil Change

PUMPS: No. 1 Pressure / Model S.P.M. / Liner Size; No. 2 Pressure / Model S.P.M. / Liner Size

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

General

W.L. F.C. pH.

Stands / Singles / D. Collars / Other Ft. / C.B. Ft. / Subs. Ft. / Ft. Up On Kelly / TOTAL

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

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

CAN-TEX DRILLING & EXPLORATION LTD.

DAILY DRILLING REPORT

Date March 5 1967

Rig# 6 Location Dome Provo Pan Am Trout Lake H45' Job# 357

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS No.	O.D.	I.D.	Wgt.	FORMATION	OIL	FUEL	WATER
5582	TD									25	28	12

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

MUD	12 Mn.	2 a.m.	4 a.m.	6 a.m.
WEIGHT				
VISCOSITY				
GEL				

Additives

At Surveys Degree

MOTOR HOURS		Next Oil Change
1	6450	6420
2	6090	6000
3		
4		
5		

PUMPS		
No. 1	Pressure	
Model	S.P.M.	
	Liner Size	
No. 2	Pressure	
Model	S.P.M.	
	Liner Size	

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or	Cut	Feet Left on Spool	Next Slip
1 1/8	75'	6	63	8222	—		—	3358	8679

General

W.L. F.C. pH.

Stands / Singles / D. Collars / Other Ft. / C.B. Ft. / Subs. Ft. / Ft. Up On Kelly / TOTAL

REMARKS	Time Start	Stop	Interval
W.O.O.	12 00	1 00	1
Run in To Run Plugs + Pick	1 00		
up 15 singles 4 1/2 pipe		3 00	2
Circulate Wait for Dowell	3 00	8 00	5

Company Time 8 Cont'r Time

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS No.	O.D.	I.D.	Wgt.	FORMATION	OIL	FUEL	WATER
5582	TD									22	26	12

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

MUD	8 a.m.	10 a.m.	12 Noon	2 p.m.
WEIGHT				
VISCOSITY				
GEL				

Additives: Plug #1 - 5582-5400-182' 64 Sks Cement Displaced with 76 Bbls Mud. Plug Down @ - 11 55 AM.

At Surveys Degree

MOTOR HOURS		Next Oil Change
1	6453	
2	6093	
3		
4		
5		

PUMPS		
No. 1	Pressure	
Model	S.P.M.	
	Liner Size	
No. 2	Pressure	
Model	S.P.M.	
	Liner Size	

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or	Cut	Feet Left on Spool	Next Slip
1 1/8	75'	6	63	8222				3358	8679

General

W.L. F.C. pH.

Stands / Singles / D. Collars / Other Ft. / C.B. Ft. / Subs. Ft. / Ft. Up On Kelly / TOTAL

REMARKS	Time Start	Stop	Interval
Wait on Cementers	8 00		
& Circulating		10 30	2 1/2
Run Plug #3	10 30	11 00	1/2
Pull 5 std 2 singles	11 00	11 30	1/2
Run Plug #2	11 30	12 45	1 1/4
Lay Down Drill Pipe	12 45	4 00	3 1/4

Company Time 8 Cont'r Time

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS No.	O.D.	I.D.	Wgt.	FORMATION	OIL	FUEL	WATER
5582	TD.											

BITS No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
		Plug #2		5100-4830			270'				
		98 Sks Cement									
		Displaced		with 68 Bbls Mud							

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.
WEIGHT				
VISCOSITY				
GEL				

Additives: Plug Down @ 12 45 PM. Plug #3 - 967-867-100 54 Sks Cement Displaced w/ 41 Bbls water. Plug Down @ 7 00 PM.

At Surveys Degree

MOTOR HOURS		Next Oil Change
1		
2		
3		
4		
5		

PUMPS		
No. 1	Pressure	
Model	S.P.M.	
	Liner Size	
No. 2	Pressure	
Model	S.P.M.	
	Liner Size	

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

General

W.L. F.C. pH.

Stands / Singles / D. Collars / Other Ft. / C.B. Ft. / Subs. Ft. / Ft. Up On Kelly / TOTAL

REMARKS	Time Start	Stop	Interval
Lay Down Drill Pipe	4 00	6 00	2
Circulate Hole.	6 00	6 30	1/2
Run plug #3	6 30	7 00	1/2
WOC	7 00	12 00	5

Company Time 8 Cont'r Time

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

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

CAN-TEX DRILLING & EXPLORATION LTD.

DAILY DRILLING REPORT

Date March 4 19 67

Rig# 6 Location Dome Rose Pen Ar Lost Lake Alta Job# 357

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS No.	O.D.	I.D.	Wgt.	FORMATION		
5582	T.D.				16	6½	2 7/8	44			

OIL	32
FUEL	30
WATER	3/4

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

MUD	12 Mn.	2 a.m.	4 a.m.	6 a.m.
WEIGHT				
VISCOSITY				
GEL				

Additives

At Surveys Degree

MOTOR HOURS		Next Oil Change
1	6438	6420
2	6079	6000
3		
4		
5		

PUMPS												
No. 1	Pressure											
Model	S.P.M.											
	Liner Size											
No. 2	Pressure				Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip Feet or	Cut	Feet Left on Spool	Next Slip
Model	S.P.M.				1 1/8	74½	6		8159	–	–	3408	8179
	Liner Size				General								

W.L. F.C. pH.

Stands 5579.45
Singles 20.23
D. Collars 448.69
Other Ft.
C.B. Ft.
Subs. Ft.
Ft. Up On Kelly 17.50
TOTAL 5582

REMARKS	Time Start	Stop	Interval
Schlumberger Logging	12⁰⁰	8⁰⁰	8

Company Time Cont'r Time

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS No.	O.D.	I.D.	Wgt.	FORMATION		
5582											

OIL	30
FUEL	30
WATER	FULL

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

MUD	8 a.m.	10 a.m.	12 Noon	2 p.m.
WEIGHT				
VISCOSITY				
GEL				

Additives

At Surveys Degree

MOTOR HOURS		Next Oil Change
1	6441	6420
2	6082	6000
3		
4		
5		

PUMPS												
No. 1	Pressure											
Model	S.P.M.											
	Liner Size											
No. 2	Pressure				Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip Feet or	Cut	Feet Left on Spool	Next Slip
Model	S.P.M.				1 1/8	74½	6		8159	50'	50'	3358	8679
	Liner Size				General								

W.L. F.C. pH. 26

Stands
Singles
D. Collars
Other Ft.
C.B. Ft.
Subs. Ft.
Ft. Up On Kelly
TOTAL

REMARKS	Time Start	Stop	Interval
W.O.O.	5⁰⁰	4⁰⁰	8

Company Time 8 Cont'r Time

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS No.	O.D.	I.D.	Wgt.	FORMATION		
5582											

OIL	
FUEL	29
WATER	3/4 full

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

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.
WEIGHT				
VISCOSITY				
GEL				

Additives

At Surveys Degree

MOTOR HOURS		Next Oil Change
1	6445	6420
2	6086	6000
3		
4		
5		

PUMPS												
No. 1	Pressure											
Model	S.P.M.											
	Liner Size											
No. 2	Pressure				Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip Feet or	Cut	Feet Left on Spool	Next Slip
Model	S.P.M.				1 1/8	74½	6		8159			3358	8679
	Liner Size				General								

W.L. F.C. pH.

Stands
Singles
D. Collars
Other Ft.
C.B. Ft.
Subs. Ft.
Ft. Up On Kelly
TOTAL

REMARKS	Time Start	Stop	Interval
Lay Down Drill Collars	4⁰⁰		
4⁰⁰		12⁰⁰	

Company Time 8 Cont'r Time

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 _____

CAN-TEX DRILLING & EXPLORATION LTD.

DAILY DRILLING REPORT

Date March 3 1967

Rig# 6 Location Dome Petroleum Can Great Lake H45 Job# 357

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS No.	O.D.	I.D.	Wgt.	FORMATION		OIL	39	FUEL	32	WATER	3/4
5582				118	16	6 3/4	2 7/8	44								

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

MUD	12 Mn.	2 a.m.	4 a.m.	6 a.m.	Additives	At Surveys Degree	MOTOR HOURS		Next Oil Change
WEIGHT		DST #1 - 5425-5582 - 157					1	6426	6420
VISCOSITY		Initial Shut in 30 Min					2	6067	6000
GEL		Valve open 60 Min					3		
		Final Shut in 60 Min					4		
		Recovered 300' Mud 240' Saltwater.					5		

PUMPS													
No. 1	Pressure				Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip Feet or Cut		Feet Left on Spool	Next Slip
Model	S.P.M.				1 1/8	73	6	127	7970	—	—	3408	8197
	Liner Size				General								
No. 2	Pressure												
Model	S.P.M.												
	Liner Size												

W.L. F.C. pH.

Stands 50 9 5/8" Singles 3023 D. Collars 442.68 Other Ft. C.B. Ft. Subs. Ft. Ft. Up On Kelly 17.00 TOTAL 5582

REMARKS	Time Start	Stop	Interval
Rig Service	12 00	12 15	1/4
Hoist	12 15	2 15	2
Make up Packer	2 15	4 15	2
Run in w/ Packer	4 15	6 15	2
Head up Packer	6 15	6 30	1/4
Initial Shut in	6 30	7 00	1/2
Tool Open	7 00	8 00	1
Company Time 8 Cont'r Time			

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS No.	O.D.	I.D.	Wgt.	FORMATION		OIL	36	FUEL	31	WATER	3/4
5582					16	6 3/4	2 7/8	44								

BITS No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
AR 9	8 3/4	XCJ	2-1/16 1-15	79527	C/P						

MUD	8 a.m.	10 a.m.	12 Noon	2 p.m.	Additives	At Surveys Degree	MOTOR HOURS		Next Oil Change
WEIGHT			350'		Rec Drill Mud	350'	1	6420	6420
VISCOSITY					Salt Water	200'	2	6067	6000
GEL							3		
							4		
							5		

PUMPS													
No. 1	Pressure				Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip Feet or Cut		Feet Left on Spool	Next Slip
Model	S.P.M.				1 1/8	74	6	129	8097	—	—	3408	8197
	Liner Size				General								
No. 2	Pressure												
Model	S.P.M.												
	Liner Size												

W.L. F.C. pH.

Stands 55 Singles 1 5108.68 D. Collars 442.68 Other Ft. C.B. Ft. Subs. Ft. Ft. Up On Kelly 17 TOTAL 5582

REMARKS	Time Start	Stop	Interval
Tool open	8 00	8 15	1/4
Shut in	8 15	9 00	1
Break Head & Pull hose	9 00	9 15	1/4
Pull out	9 15	11 30	2 1/4
Break down & load out			
Test Tools	11 30	1 15	1 3/4
Run in Break Cir			
@ 2600' Run-in	1 15	2 45	1 1/2
Clean To Bottom 20'	2 45	3 15	1/2
Cir To Log	3 15	4 00	3/4
Company Time 8 Cont'r Time			

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS No.	O.D.	I.D.	Wgt.	FORMATION		OIL	33	FUEL	30	WATER	Full
5582				118	16	6 3/4	2 7/8	44								

BITS No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
9	8 3/4	XCJ	2-1/16 1-15	79527							

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						1	6434	6420
VISCOSITY	900						2	6076	6000
GEL							3		
							4		
							5		

PUMPS													
No. 1	Pressure				Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip Feet or Cut		Feet Left on Spool	Next Slip
Model 12-P-50	S.P.M.				1 1/8	74 1/2	6	62	8159			3408	8197
	Liner Size	6			General								
No. 2	Pressure												
Model 3142	S.P.M.												
	Liner Size	6											

W.L. F.C. pH.

Stands 55 507.945 Singles 1 3023 D. Collars Other Ft. C.B. Ft. Subs. Ft. Ft. Up On Kelly 17 TOTAL 5583

REMARKS	Time Start	Stop	Interval
Circ To Log	400	530	1 1/2
Pull To Log	530	715	1 3/4
Rig up To Log	715		
Logging		1200	4 3/4
Company Time 8 Cont'r Time			

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

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

CAN-TEX DRILLING & EXPLORATION LTD.

DAILY DRILLING REPORT

Date March 2 1967

Rig# 6 Location Dual Cross Pan Am Swift Lake H45 Job# 357

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS No.	O.D.	I.D.	Wgt.	FORMATION			
5434	64	5498	3¼	116m	16	6¾	2⅞	44		OIL	45	
										FUEL	37	
										WATER	1/2	

BITS No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
9	8¾	XCJ	2-16 1-15	79527	35	85	211	20¼			4-4-1

MUD	12 Mn.	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	9.0	GEL - 2000#	5287	3¾°	1	6408	6420
VISCOSITY	86	102	122	135	BENEX - 8#			2	6055	6000
GEL								3		
								4		
								5		

PUMPS			12 Mn.	2 a.m.	4 a.m.	6 a.m.
No. 1	Model D-550	Pressure	1050	1000	1000	1050
		S.P.M.	60	58	56	60
		Liner Size	6"			
No. 2	Model	Pressure				
		S.P.M.				
		Liner Size	6"			

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip Feet or Cut	Feet Left on Spool	Next Slip
1¼	71	6		7719		3408	8197

General

W.L. 4.6 F.C. 2/32 pH 9.6

Stands 49 Singles 31.53 D. Collars 442.67 Other Ft. C.B. Ft. Subs. Ft. Ft. Up On Kelly TOTAL

REMARKS	Time Start	Stop	Interval
Rig Service	1200	1215	¼
Drill 8¾ hole	1215	200	7¾

Company Time Cont'r Time

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS No.	O.D.	I.D.	Wgt.	FORMATION			
5498	32	5530	3¾	116	16	6¾	2⅞	44		OIL	43	
										FUEL	36	
										WATER	½	

BITS No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
9	8¾	XCJ	2-16 1-15	79527	35	85	219	24			
10	10¾	MHLGT	2-16 1-15	39842	30-35	85	2¾	24			

MUD	8 a.m.	10 a.m.	12 Noon	2 p.m.	Additives	At Surveys Degree		MOTOR HOURS		Next Oil Change
WEIGHT	9.0			8.8	GEL 500#	5506	3°	1	6413	6420
VISCOSITY	190		350	200	BENEX 12#			2	6058	6000
GEL								3		
								4		
								5		

PUMPS			8 a.m.	10 a.m.	12 Noon	2 p.m.
No. 1	Model D-550	Pressure			1000	1050
		S.P.M.			60	60
		Liner Size			6"	
No. 2	Model	Pressure				
		S.P.M.				
		Liner Size	6"			

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip Feet or Cut	Feet Left on Spool	Next Slip
1¼	72	6	124	7843	—	3408	8197

General

W.L. 4.8 F.C. 2/32 pH 9.4

Stands 54 Singles 2 5042.94 D. Collars 448.68 Other Ft. C.B. Ft. Subs. Ft. Ft. Up On Kelly 7 TOTAL 5530

REMARKS	Time Start	Stop	Interval
Rig Ser + BOPs	8 10	8 15	¼
Drill 8¾ Hole	8 15	9 15	1
Survey	9 15	9 30	¼
Trip out	9 30	11 00	1½
Run in Break Cir	11 00	1 00	2
@ 2500' Run in			
Clean 15 To Bottom	1 00	1 15	¼
Drill 8¾ Hole	1 15	4 00	2¾

Company Time Cont'r Time

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS No.	O.D.	I.D.	Wgt.	FORMATION			
5530	52	5582	6¼	118	16	6¾	2⅞	44		OIL	41	
										FUEL	33	
										WATER	½ Full	

BITS No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
10	10¾	MHLGT	2-16 1-15	39842	35	85	76	9			4-3-0

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.	Additives WATER	At Surveys Degree		MOTOR HOURS		Next Oil Change
WEIGHT	8.8	9.2	9.1	9.1	CMC 50 LBS	5506	3°	1	6419	6420
VISCOSITY	200	150	125	120				2	6064	6000
GEL								3		
								4		
								5		

PUMPS			4 p.m.	6 p.m.	8 p.m.	10 p.m.
No. 1	Model D-550	Pressure	1050	1050	1050	1050
		S.P.M.	60	60	60	60
		Liner Size	6			
No. 2	Model 214P	Pressure				
		S.P.M.				
		Liner Size	6			

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip Feet or Cut	Feet Left on Spool	Next Slip
1¼	72	6		7843		3408	8197

General

CHANGED GLAND PACKING IN D550 PUMP.

W.L. 4.2 F.C. pH 7.4

Stands 54 Singles 3023 D. Collars 448.68 Other Ft. C.B. Ft. Subs. Ft. Ft. Up On Kelly 17 TOTAL 5582

REMARKS	Time Start	Stop	Interval
Drilling	400	445	¾
Rig Service	445	500	¼
Drilling.	500	1030	5½
Circ To Test.	1030	1200	1½

Company Time 8 Cont'r Time

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

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

CAN-TEX DRILLING & EXPLORATION LTD.

DAILY DRILLING REPORT

Date MARCH 1 1967

Rig# 6 Location Dome Prove Pen A-1 Trout Lake H45 Job# 357

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS No.	O.D.	I.D.	Wgt.	FORMATION		OIL	52
5224	63	5287	6¼	112	16	6¾	2⅞	44			FUEL	43
											WATER	3/4

BITS No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
8	8¾	XCJ	7-16	77505	35	85	285	22½			
9	8¾	XCJ	7-16	79527							

MUD	12 Mn.	2 a.m.	4 a.m.	6 a.m.	Additives	At Surveys	Degree	MOTOR HOURS		Next Oil Change
WEIGHT	9.0	9.0	9.0	9.0	BENEX - 6#	5102	3½	1	6392	6420
VISCOSITY	132	148	133	132	NO-STIK - ½ gal	5277	¾	2	6033	6000
GEL								3		
								4		
								5		

PUMPS			12 Mn.	2 a.m.	4 a.m.	6 a.m.
No. 1	Model 250	Pressure	1050	1050	1050	1050
		S.P.M.	60	60	60	60
		Liner Size	6"			
No. 2	Model 214	Pressure				
		S.P.M.				
		Liner Size				

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip Feet or	Cut	Feet Left on Spool	Next Slip
1⅛	71	6	59	7660	—	—	3458	7697

General

Stands 479 x 6.2 Singles D. Collars 448.68 Other Ft. C.B. Ft. Subs. Ft. Ft. Up On Kelly DOWN TOTAL 5287

W.L. 5.0 F.C. 2/32 pH 7.6

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS No.	O.D.	I.D.	Wgt.	FORMATION		OIL	51
5287	58	5345	4¾	112	16	6¾	2⅞	44			FUEL	42
											WATER	3/4

BITS No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
9	8¾	XCJ	2-16 1-15	79527	30-35	85	58	4¾			

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	8.9	GEL 3700 #	5287	3¾	1	6399	6420
VISCOSITY		300+	85	120	BENEX 20#			2	6043	6000
GEL					NO STICK ½ gal			3		
								4		
								5		

PUMPS			8 a.m.	10 a.m.	12 Noon	2 p.m.
No. 1	Model 550	Pressure		700	1000	1050
		S.P.M.		42	60	60
		Liner Size		6		
No. 2	Model 214	Pressure				
		S.P.M.				
		Liner Size	6"			

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip Feet or	Cut	Feet Left on Spool	Next Slip
1⅛	71	6	59	7719	50	50	3408	8197

General Pack Rod No Pump F.W.S.

Stands 52 Singles 2 486.34 D. Collars 448.68 Other Ft. C.B. Ft. Subs. Ft. Ft. Up On Kelly 5 TOTAL 5345

W.L. 4.8 F.C. 2/32 pH 7.2

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS No.	O.D.	I.D.	Wgt.	FORMATION		OIL	46
5345	89	5434	7¾	114	16	6¾	2⅞	44			FUEL	39
											WATER	Full

BITS No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
9	8¾	XCJ	2-16 1-15	79527	35	85	147	12½			Bared

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.	Additives WATER	At Surveys	Degree	MOTOR HOURS		Next Oil Change
WEIGHT	9.0	9.0	9.0	9.0	GEL 3500 LBS	5287	3¾	1	6402	6420
VISCOSITY	120	120	118	125	NO STICK 1½ gal			2	6049	6000
GEL					BEN EX 20 LBS			3		
					CMC - 50#			4		
								5		

PUMPS			4 p.m.	6 p.m.	8 p.m.	10 p.m.
No. 1	Model 550	Pressure	1050	1050	1050	1050
		S.P.M.	62	62	62	62
		Liner Size	6			
No. 2	Model 2140	Pressure				
		S.P.M.				
		Liner Size	6			

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip Feet or	Cut	Feet Left on Spool	Next Slip
1¼	71	6		7719	—	—	3408	8197

General

Stands 48 Singles 2 61.62 D. Collars 448.68 Other Ft. C.B. Ft. Subs. Ft. Ft. Up On Kelly 9 TOTAL 5434

W.L. 4.8 F.C. 2/32 pH 7.

REMARKS	Time Start	Stop	Interval
Rig Service	12⁰⁰	12¹⁵	¼
Drill 8¾ hole	12¹⁵	6³⁰	6¼
Survey	6³⁰	6⁴⁵	¼
Hoist	6⁴⁵	8⁰⁰	1¼
Company Time Rig Service ~~BOP~~	8⁰⁰	8¹⁵	¼
~~Finish Trip~~ Run in Collars	8¹⁵	8⁴⁵	½
Slip & cut D.Line	8⁴⁵	9¹⁵	½
Repack Pump Rod	9¹⁵	9³⁰	¼
Run in Break Circ @ 2500' Run in	9³⁰	10⁴⁵	1¼
Clean 50' To Bottom	10⁴⁵	11¹⁵	½
Drill 8¾ Hole	11¹⁵	4⁰⁰	4¾
Company Time Cont'r Time			
Rig Service	400	415	¼
Drilling	415	1200	7¾
Company Time Cont'r Time			

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

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

CAN-TEX DRILLING & EXPLORATION LTD.

DAILY DRILLING REPORT

Date FEB 28 1967

Rig# 6 Location Dome Provo Pan Am Grant Lake H-45 Job# 357

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS No.	O.D	I.D.	Wgt.	FORMATION	OIL	FUEL	WATER
4977	53	5030	3½	112	16	6¾	2⅞	44				

BITS No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
7	9¾	XWJ	2-16 2-15	77433	35	85	280	22¾			2-3-1
8	8¾	XCJ	2-15 2-16	77505	30	85	38	2¼			dull

MUD	12 Mn.	2 a.m.	4 a.m.	6 a.m.
WEIGHT	9.2			9.0
VISCOSITY	114			118
GEL				

Additives

At Surveys Degree		MOTOR HOURS		Next Oil Change
4984	4°	1	6374	6420
4992	4°	2	6020	6000
		3		
		4		
		5		

PUMPS			12 Mn.	6 a.m.
No. 1	Model D550	Pressure	1050	1050
		S.P.M.	60	60
		Liner Size	6"	
No. 2	Model 214	Pressure		
		S.P.M.		
		Liner Size		

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip Feet or Cut	Feet Left on Spool	Next Slip
1¾	70	6	109	7601	— —	3458	7697

General

W.L. 5.8 F.C. 2/32 pH 7.6

Stands 4520.66 Singles 31.51 D. Collars 448.68 Other Ft. C.B. Ft. Subs. Ft. Ft. Up On Kelly 11.85 TOTAL 5030

REMARKS	Time Start	Stop	Interval
Rig Service	12⁰⁰	12¹⁵	¼
Drill 8¾ hole	12¹⁵	1³⁰	1¼
Circulate Hole	1³⁰	2³⁰	1
Survey	2³⁰	2⁴⁵	¼
Trip for Bit	2⁴⁵	5¹⁵	2½
Clean 40' to Btm	5¹⁵	5⁴⁵	½
Drill 8¾ hole	5⁴⁵	8⁰⁰	2¼

Company Time Cont'r Time

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS No.	O.D	I.D.	Wgt.	FORMATION	OIL	FUEL	WATER
5030	106	5136	7¼	112	16	6¾	2⅞	44		Empty	48.0	Full

BITS No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
8	8¾	XCJ	2-15 2-16	77505	35	85	144	9½			

MUD	8 a.m.	10 a.m.	12 Noon	2 p.m.
WEIGHT	8.9	8.9	8.9	8.9
VISCOSITY	110	120	115	120
GEL				

Additives: GEL - 3500 #; BENEX - 24 #; No-Stick - 1½ gal; CMC - 150 #

At Surveys Degree		MOTOR HOURS		Next Oil Change
5102	3½	1	5955	6420
		2	6025	6000
		3		
		4		
		5		

PUMPS			8 a.m.	10 a.m.	12 Noon	2 p.m.
No. 1	Model D550	Pressure	1100	1100	1100	1100
		S.P.M.	65	65	65	65
		Liner Size	6"			
No. 2	Model 214	Pressure				
		S.P.M.				
		Liner Size	6"			

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip Feet or Cut	Feet Left on Spool	Next Slip
1⅞	70	6		7601		3458	7697

General

W.L. 4.6 F.C. 2/32 pH 7.6

Stands 50 Singles 2 D. Collars 448.68 Other Ft. C.B. Ft. Subs. Ft. Ft. Up On Kelly 27 TOTAL 5136

REMARKS	Time Start	Stop	Interval
Rig Ser + Bops	8⁰⁰	8¹⁵	¼
Drill 8¾ Hole	8¹⁵	1⁰⁰	4¾
Survey	1⁰⁰	1³⁰	½
Drill	1³⁰	4⁰⁰	2½

Company Time Cont'r Time

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS No.	O.D	I.D.	Wgt.	FORMATION	OIL	FUEL	WATER
5136	88	5224	7¾	112	16	6¾	2⅞	44		56	45	Full

BITS No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
8	8¾	XCJ	2-15 2-16	77505	35	85	232	17¼			Bund

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.
WEIGHT	9.0	9.0	9.0	9.0
VISCOSITY	120	125	110	125
GEL				

Additives: WATER. GEL 1500 LBS; BEN. EX 12 LBS; NO STICK 1½ GAL

At Surveys Degree		MOTOR HOURS		Next Oil Change
5102	3½	1	5960	6420
		2	6024	6000
		3		
		4		
		5		

PUMPS			4 p.m.	6 p.m.	8 p.m.	10 p.m.
No. 1	Model D550	Pressure	1100	1100	1100	1100
		S.P.M.	65	65	65	65
		Liner Size	6			
No. 2	Model 214	Pressure				
		S.P.M.				
		Liner Size	6			

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip Feet or Cut	Feet Left on Spool	Next Slip
1⅞	70	6		7601		3458	7697

General

W.L. 4.8 F.C. 2/32 pH 7.6

Stands 51 4705.22 Singles 1 3.18 D. Collars 448.68 Other Ft. C.B. Ft. Subs. Ft. Ft. Up On Kelly 2 TOTAL 5224

REMARKS	Time Start	Stop	Interval
Drilling	400	545	1¾
Rig Service	545	600	¼
Drilling	600	1200	6

Company Time Cont'r Time

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

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

CAN-TEX DRILLING & EXPLORATION LTD.

DAILY DRILLING REPORT

Date FEB 27 1967

Rig# 6 Location Dome Pouce Pan Am Trout Lake H 45 Job# 357

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS No.	O.D.	I.D.	Wgt.	FORMATION		OIL	12	Stands 4240.33
4712	95	4807	6½	110	16	6¾	2⅞	44			FUEL	36	Singles 62.12
											WATER	FULL	D. Collars 448.68

BITS No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION	Other Ft.
7	8¾	XVJ	2-16 1-15	77433	30-35	85	95	6½			dulg	

C.B. Ft.

MUD	12 Mn.	2 a.m.	4 a.m.	6 a.m.
WEIGHT		9.2	9.2	9.1
VISCOSITY		54	58	64
GEL				

Additives: GEL - 5000 #; CMC - 200 #; BENEX - 26 #; NO-STICK 1½ GAL

At Surveys Degree: 4790 3¾°

MOTOR HOURS		Next Oil Change
1	6353	6420
2	6003	6000
3		
4		
5		

Subs. Ft.

Ft. Up On Kelly 16

TOTAL 4807

PUMPS	No. 1	No. 2
Pressure	1050	1050	1050	1050
Model	D-10	
S.P.M.	64	64	64	64
Liner Size	6"	

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip Feet or Cut	Feet Left on Spool	Next Slip
1½	69	6	101	7492	— —	3458	7697

General

W.L. 6.8 F.C. 2/32 pH 7.2

REMARKS	Time Start	Stop	Interval
Rig Service	12⁰⁰	12¹⁵	¼
Clean 140' To Btm	12¹⁵	1⁰⁰	¾
Drill 8¾ hole	1⁰⁰	6³⁰	5½
Survey	6³⁰	7⁰⁰	½
Drill 8¾ hole	7⁰⁰	8⁰⁰	1

Company Time Cont'r Time

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS No.	O.D.	I.D.	Wgt.	FORMATION		OIL	7	Stands ~~44~~ 48 ~~442680~~
4807	106	4913	7¼	110	16	6¾	2⅞	44			FUEL	58	Singles
											WATER	¾	D. Collars ~~448~~ 448.68

BITS No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION	Other Ft.
7	8¾	XVJ	2-16 1-15	77433	35	85	201	13¾				

C.B. Ft.

MUD	8 a.m.	10 a.m.	12 Noon	2 p.m.
WEIGHT	9.0	9.0	8.9	8.9
VISCOSITY	80	75	82	154
GEL				

Additives: GEL 2000 #; BENEX 14 #; NO STICK 1½; CMC 200 #; SODA ASH 100 #

At Surveys Degree: 4984 4°

MOTOR HOURS		Next Oil Change
1	6358	6420
2	6008	6000
3		
4		
5		

Subs. Ft.

Ft. Up On Kelly 3

TOTAL 4913

PUMPS	No. 1	No. 2
Pressure	1050	1050	1050	1000
Model	D-10	
S.P.M.	61	61		60
Liner Size		

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip Feet or Cut	Feet Left on Spool	Next Slip
1½	69	6		7492		3458	7697

General

W.L. 5.4 F.C. 2/32 pH 7.2

Company Time Cont'r Time

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS No.	O.D.	I.D.	Wgt.	FORMATION		OIL		Stands ~~48~~ 44 ~~442680~~
4913	64	4977	7¾	110	16	6¾	2⅞	44			FUEL		Singles 62.36
											WATER		D. Collars 448.68

BITS No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION	Other Ft.
7	8¾	XVJ	2-16 1-15	77433	35	85	265	21½				

C.B. Ft.

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.
WEIGHT	8.9	8.9	9.0	9.0
VISCOSITY	110	109	119	110
GEL				

Additives: WATER; 14 LBS BENEX; NO STICK 1½ GAL; 3500 GEL; CMC 100 LBS

At Surveys Degree: 4984 4°

MOTOR HOURS		Next Oil Change
1		6420
2		6000
3		
4		
5		

Subs. Ft.

Ft. Up On Kelly

TOTAL 4977

PUMPS	No. 1	No. 2
Pressure	1100	1100	1100	1100
Model	D-10	
S.P.M.	65	65	65	65
Liner Size	6	

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip Feet or Cut	Feet Left on Spool	Next Slip
1½	69	6		7492		3458	7697

General

W.L. 5.0 F.C. 2/32 pH 7

Company Time Cont'r Time

REMARKS	Time Start	Stop	Interval
Rig Service	100	415	¼
Drilling	415	1200	7¾

Women Thinsen Safety Boots Size 8 for last year.

Company Time Cont'r Time

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

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

CAN-TEX DRILLING & EXPLORATION LTD.

DAILY DRILLING REPORT

Date FEB 26

Rig# 6 Location Dome Provo PanAm Trout Lake A45 Job# 357

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS No.	O.D.	I.D.	Wgt.	FORMATION	OIL	FUEL	WATER
4436	120	4556	7¼	104	16	6¾	2⅞	44				

BITS No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
6	8¾	XVJ	1-16 2-15	77951	35	85	285	15¾			Drlg

MUD	12 Mn.	2 a.m.	4 a.m.	6 a.m.
WEIGHT	9.1	9.1	9.0	9.0
VISCOSITY	21	54	60	62
GEL				

Additives: GEL - 5500# ; BENEX - 28# ; W-L-100 - 100# ; No-Stick - 1 gal

At Surveys Degree: 4480 3¾°

MOTOR HOURS		Next Oil Change
1	6337	6420
2	5987	6000
3		
4		
5		

PUMPS	No. 1	No. 2
Model	250	8¼
Pressure	1050 1050 1050 1050	
S.P.M.	60 60 60 60	
Liner Size	6"	6"

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip Feet or Cut	Feet Left on Spool	Next Slip
1/8	67	6		7391	— —	3458	7697

General

W.L. 7.2 F.C. 2/32 pH 7.6

Stands 405 7.17 ; Singles 31.55 ; D. Collars 448.68 ; Other Ft. ; C.P. Ft. ; Subs. Ft. ; Ft. Up On Kelly ; TOTAL

REMARKS	Start
Rig Service	12⁰⁰
Drill 8¾ hole	12¹⁵
Survey	2⁴⁵
Drill 8¾ hole	3¹⁵

Company Time Cont'r Time

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS No.	O.D.	I.D.	Wgt.	FORMATION	OIL	FUEL	WATER
4556	119	4675	7¼	106	16	6¾	2⅞	44		18	39	Full

BITS No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
6	8¾	XVJ	1-16 2-15	77951	35	85	404	22¼			

MUD	8 a.m.	10 a.m.	12 Noon	2 p.m.
WEIGHT	9.1	9.1	9.1	9.0
VISCOSITY	60	61	65	180
GEL				

Additives: GEL - 6000# ; BENEX - 38# ; NO-STICK - 1½ gal ; W.L. 100 - ; SODA-ASH - 100#

At Surveys Degree: 4608 3¼

MOTOR HOURS		Next Oil Change
1	5955	6420
2	5992	6000
3		
4		
5		

PUMPS	No. 1	No. 2
Model	250	8¼
Pressure	1050 1050 1050 1100	
S.P.M.	60 60 60 61	
Liner Size	6"	6"

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip Feet or Cut	Feet Left on Spool	Next Slip
1/8	67	6		7391		3458	7697

General

W.L. 5.6 F.C. 2/32 pH 7.0

Stands 4.5 ; Singles 2 42 09.97 ; D. Collars 448.68 ; Other Ft. ; C.B. Ft. ; Subs. Ft. ; Ft. Up On Kelly 24 ; TOTAL 4675

REMARKS	Start	Finish
Rig Ser + Bop's	8⁰⁰	8¹⁵
Drill 8¾ Hole	8¹⁵	11⁰⁰
Survey	11⁰⁰	11³⁰
Drill	11³⁰	11⁴⁵

Company Time Cont'r Time

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS No.	O.D.	I.D.	Wgt.	FORMATION	OIL	FUEL	WATER
4675	37	4712	2	106	16	6¾	2⅞	44				

BITS No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
6	8¾	XVJ	1-16 2-15	77951	35	85	441	24½			
7	6¾	XVJ	2-16 1-15	77433							

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.
WEIGHT	9	9.0		
VISCOSITY	98	92		
GEL				

Additives: WATER.

At Surveys Degree: 4712 5°

MOTOR HOURS		Next Oil Change
1		6420
2		6000
3		
4		
5		

PUMPS	No. 1	No. 2
Model	250	8¼
Pressure	1100 1100	
S.P.M.	61 61	
Liner Size	6	6

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip Feet or Cut	Feet Left on Spool	Next Slip
1/8	68	6				3458	7697

General

W.L. F.C. pH.

Stands 4340.33 ; Singles ; D. Collars 448.68 ; Other Ft. ; C.B. Ft. ; Subs. Ft. ; Ft. Up On Kelly 18 ; TOTAL 4712

REMARKS	Start	Finish
Drilling	400	1¼
Rig Service	515	¼
Drilling	530	¾
Drop Survey	615	¼
Trip for bit. pump pipe out strap out	630	4
Run in with bit pick up Kelly 140 off bottom.	1030	1½
~~Pipe Tally~~		
Board 4730.01		
Pipe Tally 4729.93		

Company Time Cont'r Time

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 _____

CAN-TEX DRILLING & EXPLORATION LTD.

DAILY DRILLING REPORT

Date FEB 25 1967

Rig# 6 Location DOMEPOVA - PAN AM. TROUT LAKE H-45 Job# 357

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS No.	O.D.	I.D.	Wgt.	FORMATION	OIL	FUEL	WATER
4118	144	4262		101 -	16	6 1/4	2 1/4	44			48	

BITS No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
5	8 3/4	XIG J	1-16 2-15	83702	30	85	542	6			
								25			RUNN

MUD	12 Mn.	2 a.m.	4 a.m.	6 a.m.
WEIGHT	9.1	9.	9.1	9.1
VISCOSITY	47	45	47	47
GEL				

Additives: WATER; GEL 3500 LBS; BEN. EX 22 LBS; NO STICK 3 GALS; WL 100 50 LBS

At Surveys	Degree
4118	4 1/2°
4241	3 1/2°

MOTOR HOURS		Next Oil Change
1	5954	6420
2	5970	6000
3		
4		
5		

PUMPS	No. 1	No. 2
Pressure	1050	1050
Model	D550	14P
S.P.M.	60	60
Liner Size	6	6

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip Feet or Cut	Feet Left on Spool	Next Slip
1 1/4		6				3458	7697

General 7303 — —

W.L. 7.0 F.C. 2/32 pH 8

Stands (21) 3781.73; Singles; D. Collars 449.16; Other Ft.; C.B. Ft.; Subs. Ft.; Ft. Up On Kelly 9; TOTAL 4262

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS No.	O.D.	I.D.	Wgt.	FORMATION	OIL	FUEL	WATER
4262	22	4284	1 1/4	100m	16	6 3/4	2 1/8	44		29	46	3/4

BITS No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
5	8 3/4	XIGJ	1-16 2-15	83702	30	85	551	26 1/2			2-3-1
6	8 3/4	XWJ	1-16 2-15	77951	25	85	13	3/4			dlg.

MUD	8 a.m.	10 a.m.	12 Noon	2 p.m.
WEIGHT	9.1			
VISCOSITY	45			
GEL				

Additives: QUICK-VIS. 1 GAL.

At Surveys	Degree
4270	3 1/2°

MOTOR HOURS		Next Oil Change
1	6395	6420
2	5975	6000
3		
4		
5		

PUMPS	No. 1	No. 2
Pressure	1050	
Model	D550	
S.P.M.	60	
Liner Size	6"	

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip Feet or Cut	Feet Left on Spool	Next Slip
1 1/4	67	6	88	7391	—	3458	7697

General

W.L. F.C. pH.

Stands 3781.73; Singles 30.25; D. Collars 448.68; Other Ft.; C.B. Ft.; Subs. Ft.; Ft. Up On Kelly 18.14; TOTAL 4284

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS No.	O.D.	I.D.	Wgt.	FORMATION	OIL	FUEL	WATER
4284	152	4436	7 1/4	102	16	6 3/4	2 1/8	44		26	43	3/4

BITS No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
6	8 3/4	XWJ	1-16 2-15	77951	25	85	8				

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.
WEIGHT	9.1	9.0	9.0	9.0
VISCOSITY	44	52	55	56
GEL				

Additives: GEL - 4400 #; BENEX - 30 #; No Stick - 1/2 Gal.; WL 100 - 100 #

At Surveys	Degree
4362	4 1/2

MOTOR HOURS		Next Oil Change
1	6370	6420
2	5980	6000
3		
4		
5		

PUMPS	No. 1	No. 2
Pressure	1050	
Model	D-550	
S.P.M.	60	
Liner Size	6"	

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip Feet or Cut	Feet Left on Spool	Next Slip
1 1/4	67	6		7391		3458	7697

General

W.L. 7.6 F.C. 2/32 pH. 7.6

Stands 43 396345; Singles; D. Collars 448.68; Other Ft.; C.B. Ft.; Subs. Ft.; Ft. Up On Kelly 17; TOTAL 4436

REMARKS	Time Start	Stop	Interval
SERVEY	1200	1215	1/4
DRILLING	1215	630	6 1/4
SERVEY	630	645	1/4
DRILLING	645	800	1 1/4
Company Time / Cont'r Time			
Rig Service + B.O.P. check	800	815	1/4
DRILL 8 3/4 hole	815	845	1/2
Circ. Pump Down Quick Vis.	845	915	1/2
Survey	915	920	1/4
Hoist (Pump out @ Tite Spots)	930	1200	2 1/2
Lay Down 1 collar Pick up 8 3/4 Collar	1200	1230	1/2
RUN IN	1230	145	1 1/4
CLEAN 180' TO BTM	145	315	1 1/2
DRILL 8 3/4 hole	315	400	3/4
Company Time / Cont'r Time			
Rig Ser	400	415	1/4
DRILL 8 3/4 Hole	415	715	3
SURVEY	715	745	1/2
DRILL	745	1200	4 1/4
Company Time / Cont'r Time			

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

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

CAN-TEX DRILLING & EXPLORATION LTD.

DAILY DRILLING REPORT

Date FEB. 24 1967

Rig# 6 Location DOME PONO - PAN AM. TROUT LAKE H-45 Job# 357

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS No.	O.D.	I.D.	Wgt.	FORMATION	OIL	FUEL	WATER
3720	101	3821	3821	94	16	6 1/4	2 7/8	44				

BITS No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
5	8 3/4	X16J	3-16	83702	20-25	90	101	4			RUNN

MUD	12 Mn.	2 a.m.	4 a.m.	6 a.m.
WEIGHT			9.0	9.0
VISCOSITY			34	38
GEL				
PUMPS No. 1 Pressure			800	800
Model 550 S.P.M.			50	52
Liner Size	6			
No. 2 Pressure				
Model S.P.M.				
Liner Size	6			

Additives: GEL 2500 LBS; REN-EX 18 LBS; NONE STICK 8 GALS.

At Surveys Degree: 3800 3°

MOTOR HOURS: 1 6420; 2 6000; 3; 4; 5

Next Oil Change

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip Feet or	Cut	Feet Left on Spool	Next Slip
1 1/8	65	6		7303	—	—	3458	7697

General

W.L. 9.8 F.C. pH 8

Stands 33 2249; Singles 29.92; D. Collars 449.16; Other Ft.; C.B. Ft.; Subs. Ft.; Ft. Up On Kelly 21; TOTAL 3821

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS No.	O.D.	I.D.	Wgt.	FORMATION	OIL	FUEL	WATER
3821	147	3968	7 1/4	96	16	6 3/4	2 7/8	44		39	52	314

BITS No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
5	8 3/4	X16J	3-16	83702	30	85	248	11 1/4			Used

MUD	8 a.m.	10 a.m.	12 Noon	2 p.m.
WEIGHT	9.0	8.9	9.0	9.0
VISCOSITY	34	37	40	40
GEL				
PUMPS No. 1 Pressure	950	950	950	1050
Model 550 S.P.M.	58	58	58	61
Liner Size	6"			
No. 2 Pressure				
Model S.P.M.				
Liner Size	6"			

Additives: GEL - 7000#; BENEX - 34#; NO-STICK - 1 gal; W-L-100 - 50#

At Surveys Degree: 3930 4°; ~~4026 4~~

MOTOR HOURS: 1 6420; 2 6000; 3; 4; 5

Next Oil Change

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip Feet or	Cut	Feet Left on Spool	Next Slip
1 1/8	65	6		7303	-	-	3458	7697

General: Changed oil - filters in both Power Plants. Changed oil in Standby plant.

W.L. 7.4 F.C. 2/32 pH 7.6

Stands 39; Singles 2; 365877; D. Collars 449.16; Other Ft.; C.B. Ft.; Subs. Ft.; Ft. Up On Kelly 27.35; TOTAL 3968

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS No.	O.D.	I.D.	Wgt.	FORMATION	OIL	FUEL	WATER
3968	150	4118	7 1/4	100	16	6 3/4	2 7/8	44		36	49	314

BITS No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
5	8 3/4	X16J	3-16	83702	30	85	398	18 1/2			

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.
WEIGHT	9.1	9.1	9.1	9.1
VISCOSITY	48	49	49	47
GEL				
PUMPS No. 1 Pressure	1050	1050	1050	1050
Model 550 S.P.M.	61	61	61	61
Liner Size	6"			
No. 2 Pressure				
Model S.P.M.				
Liner Size	6			

Additives: GEL 2500 #; BENEX 22#; No-Stick 1 1/2 gal

At Surveys Degree: 4026 4 1/2

MOTOR HOURS: 1 5965 6420; 2 5962 6000; 3; 4; 5

Next Oil Change

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip Feet or	Cut	Feet Left on Spool	Next Slip
1 1/8		6		7303			3458	7697

General

W.L. 6.4 F.C. 5/32 pH 7.0

Stands; Singles; D. Collars; Other Ft.; C.B. Ft.; Subs. Ft.; Ft. Up On Kelly 41; TOTAL 4118

REMARKS	Time Start	Stop	Interval
FINISH OUT RUN IN COLLARS	1200	1245	3/4
CLEAN SUCTION TANK.	1245	130	3/4
RUN IN WITH BIT	130	230	1
CLEAN 70 FEET FILL.	230	300	1/2
HOLE CAVED IN NO RETURNS.	300	345	3/4
DRILLING	345	715	3 1/2
SERVEY	715	730	1/4
DRILLING	730	800	1/2
Company Time / Cont'r Time			
RIG SERVICE & B.O. PI CHECK	800	815	1/4
DRILL 8 3/4 hole	815	130	5 1/4
Survey	130	200	1/2
DRILL 8 3/4 hole	200	400	2 00
Company Time / Cont'r Time			
RIG SER	400	415	1/4
DRILL	415	645	2 1/2
SURVEY	645	715	1/2
DRILL 8 3/4 HOLE	715	1200	4 3/4
Company Time / Cont'r Time			

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

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

CAN-TEX DRILLING & EXPLORATION LTD.

DAILY DRILLING REPORT

Date FEB 23 1967

Rig# 6 Location DOME PONO - PAN AM, TROUT LAKE ~~#45~~ Job# 357

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS No.	O.D.	I.D.	Wgt.	FORMATION	OIL	FUEL	WATER
3265	280	3485	7 3/4	90	16	6 3/4	2 7/8	44			56	2

BITS No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
4	8 3/4	XVJ	3-14-15	77954	35	85	380	15 1/2			Round

MUD	12 Mn.	2 a.m.	4 a.m.	6 a.m.
WEIGHT	9	8.8	8.9	9
VISCOSITY	36	36	36	35
GEL				

Additives: WATER, 10 LBS BEN EX, 5 GAL DIESEL, 2 GAL NONE STEK, 1400 LBS GEL, 50 LBS WL 100

At Surveys Degree: 3100 10

MOTOR HOURS		Next Oil Change
1	6358	6420
2	5938	6000
3		
4		
5		

PUMPS	No. 1	No. 2
Pressure	1050	1050
S.P.M.	60	60
Liner Size	6	
Model	D550	

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or Cut	Feet Left on Spool	Next Slip
1 1/8	64	6		7227			3458	7697

General

W.L. 9 F.C. 3/32 pH. 8

Stands 29 51.91 Singles 6.235 D. Collars 449.16 Other Ft. C.B. Ft. Subs. Ft. Ft. Up On Kelly 19 TOTAL 3485

REMARKS	Time Start	Stop	Interval
DRILLING	1300	145	1 3/4
RIG SERVICE	145	200	1/4
DRILLING.	200	800	6

Company Time Cont'r Time

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS No.	O.D.	I.D.	Wgt.	FORMATION	OIL	FUEL	WATER
3485	147	3632	7 1/4	92M	16	6 3/4	2 7/8	44		43	58	3/4

BITS No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
4	8 3/4	XVJ	3-14-15	77954	35	85	527	22 3/4			dull 4

MUD	8 a.m.	10 a.m.	12 Noon	2 p.m.
WEIGHT	9.1	9.1	9.1	9.1
VISCOSITY	32	34	36	36
SUCTION				

Additives: WATER, GEL - 3000 #, BENEX - 22 #, NO-STIK - 1 1/2 gals, W.L. 100 - 50 #, FUEL

At Surveys Degree: 3500 2 1/4°

MOTOR HOURS		Next Oil Change
1		6420
2		6000
3		
4		
5		

PUMPS	No. 1	No. 2
Pressure	1100	1050
S.P.M.	58	59
Liner Size	6"	
Model	D550	

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or Cut	Feet Left on Spool	Next Slip
1 1/8	64	6		7227	-	-	3458	7697

General

W.L. 9.6 F.C. 2/32 pH. 7.6

Stands 3137.35 Singles 30.92 D. Collars 449.16 Other Ft. C.B. Ft. Subs. Ft. Ft. Up On Kelly 26.04 TOTAL 3632

REMARKS	Time Start	Stop	Interval
RIG SERVICE + B.O.P. CHECK	800	815	1/4
DRILL 8 3/4 hole	815	1000	1 3/4
SURVEY	1000	1030	1/2
DRILL 8 3/4 HOLE	1030	400	5 1/2

Company Time Cont'r Time

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS No.	O.D.	I.D.	Wgt.	FORMATION	OIL	FUEL	WATER
3632	88	3720	5	92	16	6 3/4	2 7/8	44		43	53	FULL

BITS No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
4	8 3/4	XVJ	3-14-15	77954	35	85	615	27 3/4			

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.
WEIGHT	9.1	9.1	9.1	9.1
VISCOSITY	36	36	37	36
SUCTION				

Additives: GEL 2000, BENEX 18 #, NO-STICK 1 1/2 gals, 45 gal FUEL, CMC 50

At Surveys Degree: 3648 2 3/4; 3720 2 1/2

MOTOR HOURS		Next Oil Change
1	6369	6420
2	5949	6000
3		
4		
5		

PUMPS	No. 1	No. 2
Pressure	1000	1050
S.P.M.	58	60
Liner Size	6" X 16	
Model	D550	

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or Cut	Feet Left on Spool	Next Slip
1 1/8	64 1/2	6	38	7265	-	-	3458	7697

General: CHECK ALL FOR EXTINGUISHERS ONE NEW CARTRIDGE

W.L. 9.8 F.C. 2/32 pH. 7.6

Stands 35 323.025 Singles D. Collars 449.16 Other Ft. C.B. Ft. Subs. Ft. Ft. Up On Kelly 0 TOTAL 3720

REMARKS	Time Start	Stop	Interval
RIG SER	400	415	1/4
DRILL 8 3/4 HOLE	415	530	1 1/4
SURVEY	530	600	1/2
DRILL	600	945	3 3/4
CIR FOR TRIP	945	1015	1/2
MIX QUICK VIS & PUMP SAME	1015	1030	1/4
SURVEY	1030	1045	1/4
TRIP	1045	1200	1 1/4
WORK TIGHT HOLE W/ KELLY			

Company Time Cont'r Time

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

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

CAN-TEX DRILLING & EXPLORATION LTD.

DAILY DRILLING REPORT

Date FEB 22 1967

Rig# 6 Location DOME POUD-PAN AM TROUT LAKE ~~M-127~~ H-45 Job# 357

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS No.	O.D.	I.D.	Wgt.	FORMATION	OIL	FUEL	WATER
2797	214	3011	7 3/4	76	16	6 3/4	2 7/8	44			63	

BITS No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
3	8 3/4	XV	3-14/13	77239	35	85	709	30 1/2			Bund

Stands	Singles	D. Collars	Other Ft.	C.B. Ft.	Subs. Ft.	Ft. Up On Kelly	TOTAL
2491.10	3061	449.16				0	3011

MUD	12 Mn.	2 a.m.	4 a.m.	6 a.m.	Additives	At Surveys Degree		MOTOR HOURS		Next Oil Change
WEIGHT	36	36	33	35	WATER GEL 1300 LBS	2550	1°	1	5954	6410
VISCOSITY	8.9	8.9	8.7	8.9	3 BAGS BEN-EZ			2	5922	6000
GEL					1 GAL NONE STICK			3		
					3 GALS DIESEL			4		
					WL 100 50 LBS			5		

PUMPS													
No. 1	Pressure	1050	1050	1050	1050	Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip Feet or Cut	Feet Left on Spool	Next Slip
Model D550	S.P.M.	60	60	60	60	1 1/8	63	6		7167		3559	7122
	Liner Size	6											
No. 2	Pressure												
Model 214P	S.P.M.												
	Liner Size	6											

General

W.L. 7. F.C. 3/32 pH. 8.

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS No.	O.D.	I.D.	Wgt.	FORMATION	OIL	FUEL	WATER
3011	94	3105	3 1/2	88	16	6 3/4	2 7/8	44			63	FULL

BITS No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
3	8 3/4	XVJ	3-14/13	77239	35	85	802	34			2-3-1
4	8 3/4	XVJ	3-14/13	77954							

Stands	Singles	D. Collars	Other Ft.	C.B. Ft.	Subs. Ft.	Ft. Up On Kelly	TOTAL
2583.12	31.53	449.16				DOWN	3105

MUD	8 a.m.	10 a.m.	12 Noon	2 p.m.	Additives WATER	At Surveys Degree		MOTOR HOURS		Next Oil Change
WEIGHT	9.0	9.0	9.0		GEL - 2000#	2960	1°	1	6347	6420
VISCOSITY	35	33	36		BEN-EX - 16#	3100	1°	2	5922	6000
GEL					NO-STIK - 2 quarts			3		
					WL 100 - 50#			4		
					FUEL - 4 gals			5		

PUMPS													
No. 1	Pressure	1050	1050	1050		Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip Feet or Cut	Feet Left on Spool	Next Slip
Model D550	S.P.M.	61	61	61		1 1/8	63	6	60	7227	100 100	3459	7697
	Liner Size	6"											
No. 2	Pressure												
Model D 214	S.P.M.												
	Liner Size	6"											

General

W.L. 7.2 F.C. 3/32 pH. 8

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS No.	O.D.	I.D.	Wgt.	FORMATION	OIL	FUEL	WATER
3105	160	3265	7 3/4	88	16	6 3/4	2 7/8	44			61	3/4

BITS No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
4	8 3/4	XVJ	3-14/13	77954	35	85	160	7 3/4			

Stands	Singles	D. Collars	Other Ft.	C.B. Ft.	Subs. Ft.	Ft. Up On Kelly	TOTAL
30	2.79748	449.16				22	3265

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.	Additives	At Surveys Degree		MOTOR HOURS		Next Oil Change
WEIGHT	9.2	9.2	9.1	9.1	GEL - 2500#	3100	1°	1	6357	6420
VISCOSITY	35	35	35	36	BEN-EX - 20#			2	5933	6000
GEL					NO STICK - 1 1/2 gal			3		
					SODA-ASH - 100#			4		
								5		

PUMPS													
No. 1	Pressure	1050	1050	1050	1050	Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip Feet or Cut	Feet Left on Spool	Next Slip
Model D550	S.P.M.	60	60	60	60	1 1/8	6	6		7227		3459	7697
	Liner Size	6"											
No. 2	Pressure												
Model 3-4	S.P.M.												
	Liner Size												

General

W.L. 6. F.C. 3/32 pH. 8.0

REMARKS	Time Start	Stop	Interval
RIG SERVICE	1200	1215	1/4
DRILLING	1215	800	7 3/4
Company Time / Cont'r Time			
Rig Service + B.O.P. CHECK	800	815	1/4
Survey	815	830	1/4
Drill 8 3/4 hole	830	1200	3 1/2
Circulate Hole	1200	1230	1/2
Survey	1230	1245	1/4
Trip out Circulate Tite Spots +	1245		
Runin D/collars		245	2
Slip + cut 100' D/line	245	315	1/2
Run in D/pipe	315	345	1/2
Clean 50' To Btm	345	400	1/4
Company Time / Cont'r Time			
Rig Ser	400	415	1/4
Drill 8 3/4 Hole	415	1200	7 3/4
Company Time / Cont'r Time			

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

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

CAN-TEX DRILLING & EXPLORATION LTD.

DAILY DRILLING REPORT

Date FEB 21 1967

Rig# 6 Location DOME PROVO - PAN AM. TROUT LAKE H-45 Job# 357

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS No.	O.D.	I.D.	Wgt.	FORMATION	OIL	FUEL	WATER
2303	160	2463	7½	72	16	6¾	2⅞	44			71	21

BITS No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
3	8¾	VV	2-14 1-15	77239	35	85	160	7½			Rwd

Stands 1947.12 Singles 6.78 D. Collars 16-449.16 Other Ft. C.B. Ft. Subs. Ft. Ft. Up On Kelly 26 TOTAL 2463

MUD	12 Mn.	2 a.m.	4 a.m.	6 a.m.
WEIGHT	9.0	9.0	8.9	8.9
VISCOSITY	34	34	32	32
GEL				

Additives WATER 3 BARS. BEN. EX 3 QUARTS NONE STIC 2400 LBS. GEL 4 GALS DIESEL FUEL 50 LBS WL 100

At Surveys Degree 2242 ¼

MOTOR HOURS		Next Oil Change
1	5953	6420
2	5905	6000
3		
4		
5		

PUMPS	No. 1	No. 2
Pressure	1100	1000	1000	1000
Model	650	
S.P.M.	60	60	60	60
Liner Size	6	

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip Feet or Cut	Feet Left on Spool	Next Slip
1⅛	63	6	45	7167	— —	3559	7122

General

W.L. 7.2 F.C. 2/32 pH 8

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS No.	O.D.	I.D.	Wgt.	FORMATION	OIL	FUEL	WATER
2463	177	2640	7½	73	16	6¾	2⅞	44		9		

BITS No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
3	8¾	XVJ	2-14 1-15	77239	35	85	337	15		15	drlg

Stands 2122.61 Singles 31.01 D. Collars 449.16 Other Ft. C.B. Ft. Subs. Ft. Ft. Up On Kelly TOTAL

MUD	8 a.m.	10 a.m.	12 Noon	2 p.m.
WEIGHT	9.0	9.0	8.9	8.9
VISCOSITY	31	34	34	33
GEL				

Additives WATER GEL - 3500# BENEX - 22# WL100 - 50# NO STICK - 2 quarts FUEL - 4 gals

At Surveys Degree 2550 1°

MOTOR HOURS		Next Oil Change
1		6420
2		6000
3		
4		
5		

PUMPS	No. 1	No. 2
Pressure	1050	1000	1000	1050
Model	D-10	
S.P.M.	61	59	59	61
Liner Size	6"	

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip Feet or Cut	Feet Left on Spool	Next Slip
1⅛	63	6		7167	— —	3559	7122

General

W.L. 12.4 F.C. 2/32 pH. 8.0

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS No.	O.D.	I.D.	Wgt.	FORMATION	OIL	FUEL	WATER
2640	157	2797	7¾	75	16	6¾	2⅞	44		94	67	34

BITS No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
3	8¾	XV	2-14 1-15	77239	35	85	494	22¾			

Stands 25 230774 Singles D. Collars 449.16 Other Ft. C.B. Ft. Subs. Ft. Ft. Up On Kelly 0 TOTAL 2797

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.
WEIGHT	8.9	8.9	8.9	8.9
VISCOSITY	33	36	36	36
GEL				

Additives GEL - 2000# BENNEX - 14# NO-STICK - 1 Gal. FUEL - 15 Gal. WATER

At Surveys Degree 2550 1°

MOTOR HOURS		Next Oil Change
1	5954	6420
2	5915	6000
3		
4		
5		

PUMPS	No. 1	No. 2
Pressure	1050	1050	1050	1050
Model		
S.P.M.	60	60	60	60
Liner Size	6"	

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip Feet or Cut	Feet Left on Spool	Next Slip
1⅛	63	6		7167		3559	7122

General

W.L. 9.0 F.C. 2/32 pH. 9.0

REMARKS	Time Start	Stop	Interval
RIG SERVICE	1200	1215	¼
CLEAN TO BOTTOM.	1215	1230	¼
DRILLING	1230	800	7½
Company Time / Cont'r Time			
Rig Service & B.O.P. check	800	815	¼
Drill 8¾ hole	815	1215	4
Survey	1215	1230	¼
Drill 8¾ hole	1230	400	3½
Company Time / Cont'r Time			
Rig Ser	400	415	¼
Drill	415	1200	7¾
Company Time / Cont'r Time			

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 _____

CAN-TEX DRILLING & EXPLORATION LTD.

DAILY DRILLING REPORT

Date FEB. 20 1967

Rig# 6 Location DOME PROVO PAN AM TROUT LK #H-45' Job# 357

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS No.	O.D.	I.D.	Wgt.	FORMATION	OIL	FUEL	WATER
1660	186	1846	3 3/4	62	16	6 3/4	2 7/8	44.				

BITS	No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
	1	8 3/4	OSC-3-J	2-14-15	79212	28-30	100	928	13 1/4			
	2	8 3/4	OSC-3J	2-14-15	81474							

MUD	12 Mn.	2 a.m.	4 a.m.	6 a.m.
WEIGHT	9.0	9.0	9.1	
VISCOSITY	33	33	32	
GEL				

Additives: water; 50 Lbs WL 100; 3 Bags Benex

At Surveys Degree	
1730	1/4
1846	1/8

MOTOR HOURS		Next Oil Change
1		6420
2		6000
3		
4		
5		

PUMPS						
No. 1	Pressure	1000	1000	1000		
Model	S.P.M.	64	64	64		
	Liner Size	6				
No. 2	Pressure					
Model	S.P.M.					
	Liner Size	6				

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or	Cut	Feet Left on Spool	Next Slip
1 1/8	61	6		7076				3559	7121

General

W.L. 18 F.C. pH.

Stands 1357.50 Singles D. Collars 449.16 Other Ft. C.B. Ft. Subs. Ft. Ft. Up On Kelly 1 UP TOTAL 1846.

REMARKS	Time Start	Stop	Interval
Rig Service	12 00	12 15	1/4
Drill	12 15	2 00	1 3/4
Survey Wilson	2 00	2 15	1/4
Drill	2 15	3 30	3/4
Survey	3 00	3 15	1/4
Drill	3 15	4 30	1 1/4
Drop Survey	4 30	4 45	1/4
Trip for Bit	4 45	8 00	3 1/4

Company Time Cont'r Time

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS No.	O.D.	I.D.	Wgt.	FORMATION	OIL	FUEL	WATER
1846	360	2206	6 3/4	64	16	6 3/4	2 7/8	44		35	78	1/2

BITS	No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
	2	8 3/4	OSC-3J	2-14-15	81474	30	85	360	6 3/4			

MUD	8 a.m.	10 a.m.	12 Noon	2 p.m.
WEIGHT		9.2	9.0	9.0
VISCOSITY		32	33	32
GEL				

Additives: WATER; 2500# GEL; 16# BENEX; 8 GALS NO STICK; 8 GALS DIESEL FUEL; 50# WL 100

At Surveys Degree	
1846	1/8

MOTOR HOURS		Next Oil Change
1		6420
2		6000
3		
4		
5		

PUMPS						
No. 1	Pressure	1050	1000	1000		
Model	S.P.M.	62	59	59		
	Liner Size	6				
No. 2	Pressure					
Model	S.P.M.					
	Liner Size	6				

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or	Cut	Feet Left on Spool	Next Slip
1 1/8	62	6	45	7122				3559	7121

General

W.L. 7.2 F.C. 2/32 pH 7.6

Stands 1662.71 Singles 5998 D. Collars 449.16 Other Ft. C.B. Ft. Subs. Ft. Ft. Up On Kelly 6.85 TOTAL 2206

REMARKS	Time Start	Stop	Interval
RIG SERVICE + CHECK BOPS	8 00	8 15	1/4
RUN IN HOLE.	8 15	8 45	1/2
CLEAN 90' To Bottom	8 45	9 15	1/2
DRILL 8 3/4 HOLE	9 15	4 00	6 3/4

Company Time Cont'r Time

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS No.	O.D.	I.D.	Wgt.	FORMATION	OIL	FUEL	WATER
2206	97	2303	4 3/4	68	16	6 3/4	2 7/8	44		31	23	3/4

BITS	No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
	2	8 3/4	OSC-3-J		81474	30	85	457	11 1/2			
	3	8 3/4	XJ		77239							

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.
WEIGHT	9.0	9.0	9.0	
VISCOSITY	30	34	34	
GEL				

Additives: 600# GEL; 4# BENEX; 1 GAL NO STIK; 8 GALS DIESEL FUEL

At Surveys Degree	
2242	1/4

MOTOR HOURS		Next Oil Change
1		6420
2		6000
3		
4		
5		

PUMPS						
No. 1	Pressure	1000	1000	1000		
Model	S.P.M.	58	59	60		
	Liner Size	6				
No. 2	Pressure					
Model	S.P.M.					
	Liner Size	6				

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or	Cut	Feet Left on Spool	Next Slip
1 1/8	63	6	45	7167				3559	7121

General

W.L. 7.0 F.C. 2/32 pH 7.6

Stands 19 Singles 2 D. Collars 449.16 Other Ft. C.B. Ft. Subs. Ft. Ft. Up On Kelly 0 TOTAL 2303

REMARKS	Time Start	Stop	Interval
RIG SERVICE.	4 00	4 15	1/4
DRILL 8 3/4 HOLE	4 15	5 30	1 1/4
SURVEY	5 30	5 45	1/4
DRILL	5 45	9 15	3 1/2
TRIP FOR BIT	9 15	12 00	2 3/4

Company Time Cont'r Time

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

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

CAN-TEX DRILLING & EXPLORATION LTD.

DAILY DRILLING REPORT

Date FEB 19 1967

Rig # 6 Location DOME-PROVO-PANAM-TROUT LAKE ~~PA 127~~ H-45 Job # 357

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS No.	O.D.	I.D.	Wgt.	FORMATION	OIL	FUEL	WATER
918					1	7 1/4						

BITS No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
1	8 3/4	OSC3J	2-14 1-15	79212							

MUD	12 Mn.	2 a.m.	4 a.m.	6 a.m.
WEIGHT				
VISCOSITY				
GEL				

Additives: At Surveys Degree: MOTOR HOURS 1 2 3 4 5: Next Oil Change

PUMPS				
No. 1	Pressure			
Model	S.P.M.			
	Liner Size			
No. 2	Pressure			
Model	S.P.M.			
	Liner Size			

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

General

W.L. F.C. pH.

Stands / Singles / D. Collars / Other Ft. / C.B. Ft. / Subs. Ft. / Ft Up On Kelly / TOTAL

REMARKS	Time Start	Stop	Interval
W.O.C	12 00	4 45	4 3/4
PRESSURE BLIND RAMS	4 45	5 00	1/4
DIG MOUSE HOLE	5 00	7 30	2 1/2
PICK UP SQUARE COLLAR	7 30	8 00	1/2
PRESSURE BLIND RAM 1000# HELD 15 min OK.			

Company Time Cont'r Time

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS No.	O.D.	I.D.	Wgt.	FORMATION	OIL	FUEL	WATER
918	167	1085	2	54	16		2 7/8	44				

BITS No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
1	8 3/4	OSC3J	2-14 1-15	79212	20-25	110	167				16

MUD	8 a.m.	10 a.m.	12 Noon	2 p.m.
WEIGHT				
VISCOSITY				
GEL				

Additives WATER, 12 Bags Benex, 12 Gals Diesel Fuel, 600# Gel. At Surveys Degree: MOTOR HOURS 1 2 3 4 5: Next Oil Change

PUMPS				
No. 1	Pressure			800
Model P	S.P.M.			62
	Liner Size	6		
No. 2	Pressure			
Model P	S.P.M.			
	Liner Size	6		

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

General: Pressured up 4 1/2 Ram 1000# OK. Pressured up Hydil 1000# OK. Checked Motor Shut offs. OK

W.L. F.C. pH.

Stands 614.23 / Singles / D. Collars 449.16 / Other Ft. / C.B. Ft. / Subs. Ft. / Ft. Up On Kelly 19 / TOTAL 1085

REMARKS	Time Start	Stop	Interval
pick up Collars & Run in hole	8 00	10 00	2
pressure up BOPS.	10 00	10 30	1/2
Drill out Plug Float & Shoe	10 30	12 30	2
Displace hole to water & Clean Mud Tank.	12 30	2 00	1 1/2
Drilling 8 3/4 hole	2 00	400	2
NOTE RIG Top of SQUARE Collar.			

Company Time Cont'r Time

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS No.	O.D.	I.D.	Wgt.	FORMATION	OIL	FUEL	WATER
1085	575	1660	7 1/2	60m	16	7 3/4	2 7/8	44		33	5	1/2

BITS No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
1	8 3/4	OSC3J	2-14 1-15	79212	30m	110	642	9 1/2			Dull

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.
WEIGHT	8.5	8.9	9.1	9.0
VISCOSITY	28	31	33	33
GEL				

Additives WATER, 1600# GEL, 44# BENEX, 150# WL 100. At Surveys Degree: 1330 3/4°: MOTOR HOURS 1 2 3 4 5: Next Oil Change

PUMPS					
No. 1	Pressure	900	850	700	950
Model 5SD	S.P.M.	62	61	80	63
	Liner Size	6			
No. 2	Pressure				
Model P	S.P.M.				
	Liner Size	6			

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

General

W.L. F.C. pH.

Stands 708.47 / Singles 61.85 / D. Collars 449.16 / Other Ft. / C.B. Ft. / Subs. Ft. / Ft. Up On Kelly DOWN / TOTAL

REMARKS	Time Start	Stop	Interval
Rig Service	4 00	4 15	1/4
Drill 8 3/4 hole	4 15	6 15	2
Survey	6 15	6 30	1/4
Drill 8 3/4 hole	6 30	12 00	5 1/2

Company Time Cont'r Time

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

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

CAN-TEX DRILLING & EXPLORATION LTD.

DAILY DRILLING REPORT

Date FEB 18 19 67

Rig# 6 Location Dome Prov. Park Mt Trout Lake ~~M-27~~ H-45 Job# 357

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS No.	O.D.	I.D.	Wgt.	FORMATION		
918										OIL	55
										FUEL	45
										WATER	FULL

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

MUD	12 Mn.	2 a.m.	4 a.m.	6 a.m.	Additives	At Surveys Degree	MOTOR HOURS	Next Oil Change
WEIGHT	Ran 29 jts 3½" J55-STC 9 5/8 Csg						1	
VISCOSITY	Cemented with 550 sacks Construction Cement						2	
GEL	with 3% Cal Displaced with 68 Bbls Water						3	
PUMPS No. 1 Pressure	Plug Down @ 4 45 Am.						4	
Model S.P.M.	Csg Landed @ 918' KB.						5	
Liner Size								
No. 2 Pressure	Good Cement Returns							
Model S.P.M.	Slurry Wtg 15.2							
Liner Size								

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

General

W.L. F.C. pH. 1 Ch 9 5/8 Csg left on Rack.

Stands / Singles / D. Collars / Other Ft. / C.B. Ft. / Subs. Ft. / Ft. Up On Kelly / TOTAL

REMARKS	Time Start	Stop	Interval
Run 9 5/8 Casing	12 00	2 45	2 3/4
Cir & work Casing	2 45	3 45	1
Cementing & Plug Down	3 45	4 45	1
W.O.C.	4 45	8 00	3 1/4

Company Time Cont'r Time

	Start	Stop	Interval
WOC	800	400	8

Company Time Cont'r Time

	Start	Stop	Interval
W.O.C	400	1200	8

Company Time Cont'r Time

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS No.	O.D.	I.D.	Wgt.	FORMATION		
		918									

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

MUD	8 a.m.	10 a.m.	12 Noon	2 p.m.	Additives	At Surveys Degree	MOTOR HOURS	Next Oil Change
WEIGHT							1	
VISCOSITY							2	
GEL							3	
PUMPS No. 1 Pressure							4	
Model S.P.M.							5	
Liner Size								
No. 2 Pressure								
Model S.P.M.								
Liner Size								

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

General

W.L. F.C. pH.

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS No.	O.D.	I.D.	Wgt.	FORMATION		
918										OIL	51
										FUEL	87
										WATER	3/4

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

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.	Additives	At Surveys Degree	MOTOR HOURS	Next Oil Change
WEIGHT							1	
VISCOSITY							2	
GEL							3	
PUMPS No. 1 Pressure							4	
Model S.P.M.							5	
Liner Size								
No. 2 Pressure								
Model S.P.M.								
Liner Size								

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

General

W.L. F.C. pH.

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 _____

CAN-TEX DRILLING & EXPLORATION LTD.

DAILY DRILLING REPORT

Date Feb 13 17 19.67

Rig# 6 Location Bone Provo Pan Am Trout Lake H-45 Job# 357

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS No.	O.D.	I.D.	Wgt.	FORMATION	OIL	FUEL	WATER
386	327	713	7	50	1 / 12	9 / 6 3/4	2 7/8 / 2 7/8	30		5	55	1/2

BITS No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
2A	13 3/4	OSC3	Conv	76471	20	120	337	7 1/2			

MUD	12 Mn.	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	WATER	432	1/4 0	1	
VISCOSITY	44	44	46	47		545	3/4	2	
GEL						675	3/4 0	3	
								4	
								5	

PUMPS													
No. 1	Pressure	400	400	400	500	Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip Feet or Cut	Feet Left on Spool	Next Slip
Model 50	S.P.M.	65	65	65	65								
	Liner Size	7 1/4											
No. 2	Pressure												
Model 4	S.P.M.					General							
	Liner Size												

W.L. F.C. pH. 30 Jts Csg 9 5/8 on Rack.

Stands 3 | Singles 1 | D. Collars 309.14 | Other Ft. 369.65 | C.B. Ft. | Subs. Ft. | Ft. Up On Kelly 4 | TOTAL 713

REMARKS	Time Start	Stop	Interval
Rig Ser	12 00	12 15	1/4
Drill	12 15	1 30	1 1/4
Survey	1 30	1 45	1/4
Drill 13 3/4 Hole	1 45	5 00	3 1/4
Survey	5 00	5 15	1/4
Drill	5 15	7 15	2
Survey	7 15	7 30	1/4
Drill	7 30	8 00	1/2

Company Time Cont'r Time

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS No.	O.D.	I.D.	Wgt.	FORMATION	OIL	FUEL	WATER
713	172	885	5	50	1 / 12	9 / 6 3/4	2 7/8 / 2 7/8	30		5		

BITS No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
2A	13 3/4	OSC3	CONV	76471	20	120	509	12 1/2			

MUD	8 a.m.	10 a.m.	12 Noon	2 p.m.	Additives	At Surveys	Degree	MOTOR HOURS	Next Oil Change
WEIGHT						775	1/2	1	
VISCOSITY	47	44	38			885	1	2	
GEL								3	
								4	
								5	

PUMPS													
No. 1	Pressure	500	500	500		Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip Feet or Cut	Feet Left on Spool	Next Slip
Model D 550	S.P.M.	65	65	65									
	Liner Size	7 1/4											
No. 2	Pressure												
Model 7148	S.P.M.					General							
	Liner Size	6											

W.L. F.C. pH.

Stands 460.17 | Singles 31.95 | D. Collars 396.65 | Other Ft. | C.B. Ft. | Subs. Ft. 1.40 | Ft. Up On Kelly 17 | TOTAL 885

REMARKS	Time Start	Stop	Interval
Rig Service	800	815	1/4
Drilling	815	1030	2 1/4
Run Survey	1030	1045	1/4
Drilling	1045	130	2 3/4
Run Survey	130	145	1/4
Strap out Hole	145		
Run in with Bit.		400	2 1/4

Company Time Cont'r Time

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS No.	O.D.	I.D.	Wgt.	FORMATION	OIL	FUEL	WATER
885	33	918	1 1/4	50	1 / 12	9 / 6 3/4	2 7/8 / 2 7/8	30		7	31	34

BITS No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
2A	13 3/4	OSC3	Conv	76471	20	120	542	13 3/4			Dull

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.	Additives	At Surveys	Degree	MOTOR HOURS	Next Oil Change
WEIGHT	10.2	10.2						1	
VISCOSITY	48	48						2	
GEL								3	
								4	
								5	

PUMPS													
No. 1	Pressure	750	750			Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip Feet or Cut	Feet Left on Spool	Next Slip
Model D 550	S.P.M.	62	62										
	Liner Size	7 1/4											
No. 2	Pressure												
Model	S.P.M.					General							
	Liner Size												

W.L. F.C. pH.

Stands 460.17 | Singles 61.91 | D. Collars 396.65 | Other Ft. | C.B. Ft. | Subs. Ft. 1.40 | Ft. Up On Kelly 18 | TOTAL 918

REMARKS	Time Start	Stop	Interval
Rig Service	400	415	1/4
Run in	415	445	1/2
Drill 13 3/4 hole	445	600	1 1/4
Circulate Hole	600	700	1
Trip out Lay Down 9" Collars	700	815	1 1/4
Rig to Run 9 5/8 Csg	815	915	1
Run 9 5/8 Csg	915	1200	2 3/4

Company Time Cont'r Time

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 FEB-16 1967

Rig# 6 Location Dome Pouce Pass 11 Trout Lake Alta Job# 357

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS No.	O.D.	I.D.	Wgt.	FORMATION	OIL	FUEL	WATER
					1	9"	2 7/8					2.6

BITS	No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
	1	13 3/4	OSC3		81048							3/4

Stands	Singles	D. Collars	Other Ft.	C.B. Ft.	Subs. Ft.	Ft. Up On Kelly	TOTAL
		356.8			1.38		

MUD	12 Mn.	2 a.m.	4 a.m.	6 a.m.
WEIGHT				
VISCOSITY				
GEL				

Additives: GEL 3000 #, LIME 50 #, SAWDUST 15 SKS

At Surveys Degree | MOTOR HOURS 1, 2, 3, 4, 5 | Next Oil Change

PUMPS: No. 1 Pressure, Model, S.P.M., Liner Size; No. 2 Pressure, Model, S.P.M., Liner Size

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

General: K.B. GROUND LEVEL 1392.

W.L. F.C. pH.

REMARKS	Time Start	Stop	Interval
Rig up	12 00	2 00	2
Mix Mud!	2 00	3 30	1 1/2
Pick up 9" D Collar	3 30	4 00	1/2
Thaw Kelly & Stand Pipe Repair	4 10	8 00	4
Mud Manifold			

Company Time Cont'r Time

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS No.	O.D.	I.D.	Wgt.	FORMATION	OIL	FUEL	WATER
0	161	161	6 1/4	[illegible]	3 / 1	6 3/4 / 9	2 7/8	8000				

BITS	No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
	1A	13 3/4	OSC3		81048	10	140					3/4

Stands	Singles	D. Collars	Other Ft.	C.B. Ft.	Subs. Ft.	Ft. Up On Kelly	TOTAL
		83.52	356.8			0	161

MUD	8 a.m.	10 a.m.	12 Noon	2 p.m.
WEIGHT		45	50	45
VISCOSITY	45			
GEL				

Additives: 3500.

At Surveys Degree: 120 3/4 | MOTOR HOURS 1, 2, 3, 4, 5 | Next Oil Change

PUMPS: No. 1 Pressure 200 300 300; Model D 550; S.P.M. 55 55 58; Liner Size 7 1/4; No. 2 Pressure; Model 9 1/4; S.P.M.; Liner Size 6

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

General:

W.L. F.C. pH.

REMARKS	Time Start	Stop	Interval
Rig Service	8 00	8 15	1/4
Rig up	8 15	9 00	3/4
Spud 13 3/4 Hole	9 00	2 00	5
Work Mud Ring	2 00	2 30	1/2
Survey	2 30	2 45	1/4
Drilling	2 45	4 00	1 1/4

Company Time Cont'r Time

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS No.	O.D.	I.D.	Wgt.	FORMATION	OIL	FUEL	WATER
161	225	386	5 3/4	47	12 / 1	6 1/4 / 9	2 7/8	30		19	57	3/4

BITS	No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
	1A	13 3/4	OSC3	Conv	81048	20 M	120	375	11 1/2			4-4-1
	2A	13 3/4	OSC3	Conv	76471	20	120	10	1/2			Dlg.

Stands	Singles	D. Collars	Other Ft.	C.B. Ft.	Subs. Ft.	Ft. Up On Kelly	TOTAL
		369.65			1.38	28.00	386

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.
WEIGHT	9.0	9.0	9.1	9.2
VISCOSITY	36	38	38	40
GEL				

Additives: 10 SAX GEL, WATER

At Surveys Degree: 185 1; 300 7/8 | MOTOR HOURS 1, 2, 3, 4, 5 | Next Oil Change

PUMPS: No. 1 Pressure 250 300 300 200; Model D 550; S.P.M. 55 69 69 66; Liner Size 7; No. 2 Pressure; Model D; S.P.M.; Liner Size 6

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

General:

W.L. F.C. pH.

REMARKS	Time Start	Stop	Interval
Rig Service	4 00	4 15	1/4
Drill 13 3/4 hole	4 15	4 45	1/2
Survey	4 45	5 00	1/4
Drill 13 3/4 hole	5 00	8 00	3
Survey	8 00	8 15	1/4
Drill 13 3/4 hole	8 15	10 00	1 3/4
Trip for Bit	10 00	11 30	1 1/2
Drill 13 3/4 hole	11 30	12 00	1/2

Company Time Cont'r Time

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

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