

CANSO ET AL N. CAMERON HILLS E-69

WELL NAME: Campo et al N. Cameron Hills D-69
FIELD: Wildcat Area: 69 Grid: 60-10-116-45
LOCATION: Unit: 2 Section: 69 Longitude: 116-57-47.79
Latitude: 60-08-24.24
From: Established Reference Marker Shot Point 196 Line T-103
U.W.I.R. 60-24007 --- 116.96327 Rig Release Date: 17-3-69
U.W.Z. 3002696010116450 Status:
Information Release /Date:

CHANGE OF NAME:

DATE RECEIVED	INDEX
17/2/59	Application for a Drilling Authority. Well Completion Data. Well History Report.
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Drilling Authority No. 338

Date Issued Feb. 17/69

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
RESOURCE MANAGEMENT DIVISION

REVISED

WELL COMPLETION DATA

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

Well name and number: **Canso et al N. Cameron Hills E-69**
Permit No. **4587** Lease No. _____
Canadian Superior Oil Ltd. Exploratory Licence No. **1206**
(Permitter, Licensee, Lessee)
United Canso Oil & Gas Ltd. Exploratory Licence No. **1196**
(Operator)
Location: Unit **E** Section **69** Grid **60-10 116-45**
Latitude **60° 08' 24.24" N** Longitude **116° 57' 47.79" W.**
From Established Reference Marker: **Shot Point 196, Line T103**
Universal Well Location Reference: **60.14007° N. Lat. 116.96327° W. Long.**

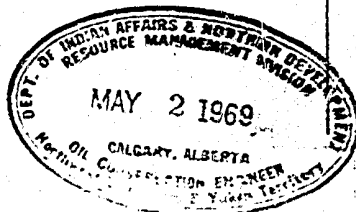
	DATE	DEPTH	Pool(s)
	Feb. 25/69		Interval(s) open to production
Spudded			
Suspended			
Resumed Operations			
Finished Drilling	Mar. 14/69	2995'	
Deepened			Elevation: Gr. 1020' K.B. 1034'
Complete (Gas/oil)			Rig No. 12
Abandoned	Mar. 17/69		Drilling Contractor General Petroleum Drilling
Rig released	Mar. 17/69		Contractor's Business Licence No. A2590

CASING RECORD

Casing Size (Inches)	Grade	Weight	Amount	Set at -	Sacks of Cement and Additives
1. 9-5/8"	H-40	32.34	7 lbs.	306'	200 sk. + 3% CaCl₂
2.					
3. Conductor Pipe - Oil Barrels			20'	4'	40 sacks cement. Pulled
4.					
5.					
6.					

GEOLOGICAL TOPS	ELEVATION		CORE RECORD					
	Depth	Sub-Sea	From	To	Rec.	From	To	Rec.
(Samples) Cretaceous	30'	+1004'	2900'	2924'	100%			
(Samples) Tathlina	190'	+ 844'						
Fort Simpson	1117'	- 83'						
Beaverhill Lake	2247'	-1213'						
Slave Point	2313'	-1279'						
Fort Vermilion	2418'	-1384'						
Watt Mountain	2490'	-1456'						

			LOG RECORD			
			Run No.	Type of Log	From	To
Sulfur Point	2511'	-1477'	1	Induction E-log	305'	2992'
Muskeg	2580'	-1548'	1	Sonic Gamma Caliper	305'	2991'
Keg River	2862'	-1828'	1	Formation Density	2250'	2992'
Red Beds	Absent					
Precambrian	2978'	-1944'				





File No. _____
Drilling Authority No. 358

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
RESOURCE MANAGEMENT DIVISION

Application to Abandon a Well or Suspend Drilling

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

Name and number of well Canso Oil & Gas N. Cameron Hills E-69
Location: Unit E Section 69 Grid 60-10, 116-45
Latitude 60° 08' 24.24" N Longitude 116° 57' 47.79" W
From Established Reference Marker Shot Point 196, Line T103
Universal Well Location Reference 60.14007° N. Lat.; 116.96327° W. Long.
Permit No. 4587 Lease No. _____

Canadian Superior Oil Ltd.
(Operator, Lessee, Landlord)

Date of commencement of proposed program March 16, 1969

OIL, GAS, AND WATER ENCOUNTERED
(Depths)

Oil at _____
Gas at _____
Water at _____
Total Depth 2995' Date of last operations Mar. 17/69
Present condition of well Abandoned

CASING RECORD

Casing Size O.D. Inches	Weight	Amount	Set At—	Sacks of Cement and Additives	Amount Filled
1. <u>9-5/8"</u>	<u>32.3#</u>	<u>7 jts.</u>	<u>306'</u>	<u>200 + 3% CaCl₂</u>	<u>None</u>
2. <u>Conductor Pipe</u>	<u>Oil barrels</u>	<u>20'</u>	<u>34'</u>	<u>40 sacks cement</u>	<u>100%</u>
3. _____	_____	_____	_____	_____	_____
4. _____	_____	_____	_____	_____	_____
5. _____	_____	_____	_____	_____	_____

PROPOSED ABANDONMENT PROGRAM

No.	Plug	Geological Formation	Number of Sacks of Cement	Remarks
	Position			
1	<u>2995' - 2250'</u>	<u>Keg River</u>	<u>275</u>	<u>+ 2% CaCl₂</u>
2	<u>350' - 250'</u>		<u>50</u>	<u>+ 3% CaCl₂</u>
	<u>5-sack cement plug in top of casing and steel plate welded on.</u>			

The following logs have been run Deal Ind. Lat.; S-G-E w/Caliper; Formation Density w/Caliper
Other operations proposed None

Operations to be carried out by General Pet. Drilling Contractor Licence No. A2590
Address Calgary, Alberta Address Calgary, Alberta
Responsible Agent in field J. O. Telfer

Dated at Calgary this 20th Day of March 19 69
Signed by [Signature] Company United Canso Oil & Gas Ltd.
Title General Operations Supt. Operator's Exploratory Licence No. 1196

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

(For RESOURCE MANAGEMENT DIVISION use only)

APPROVAL

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

Confirming oral approval given by Mr. B.H.J. Thomas
on the 16th March 1969.

Dated 27th March 19 69

[Signature]
Oil Conservation Engineer

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

Drilling Authority No. 358

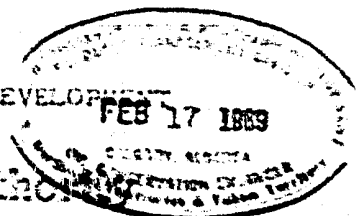
Project No.

File No.



DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
 MINERAL DEVELOPMENT DIVISION
 OIL AND MINERAL

Application for a Drilling Authority



This notice of intention to begin drilling operations, in triplicate, and where required a plan of survey approved by the Surveyor General showing the target area or the site of the well must be submitted and approved before commencing operations.

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

Name and number of well Canso et al N. Cameron Hills E-69
 Location: Unit E Section 69 Grid 60-10, 116-45
 Latitude 60° 08' 24.24" N Longitude 116° 57' 47.79" W
 From Established Reference Marker Shot Point 196, Line 1103
 Universal Well Location Reference 60.14007° N. Lat. 116.96127° W. Long
 Elevation: Ground 1020' K.B. 1034' (est.) feet above sea-level.
 Well is expected to produce from Keg River formation at a depth
 of about 3000' feet. Expected total final depth 3250'
 Area assigned to well

(For Oil Conservation Engineer's use only)

Permit No. 4587 Lease No. 63,854
 Permittee, licensee, or lessee Canadian Superior Oil Ltd.
 Exploratory Licence No. 1206
 Surface owned by Crown or Crown (If licensed, submit name and address of owner and occupant.)
 Petroleum and natural-gas rights owned by Crown

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

Casing Size O.D. (Inches)	Weight (Lb./Ft.)	Grade	New or Used	Estimated Depth	Ends of Cement
1. 9 5/8"	32#	H 40	New	350'	200
2. 5 1/2"	14#	H 40	New	3250'	As required
3.					
4.					
5.					

Expected water, gas, and oil horizons and type of control equipment
Slave Point, Sulphur Point & Keg River, Drilling Mud & B.O.P.

Well will be drilled with Rotary Rig No. 12 by General Petroleum Drilling
 (Drilling Contractor or company)
Co. Ltd.

Responsible agent of applicant:— Contractor's Business Licence No. _____
 At well J. O. Telfer At registered office W. H. Dyson (269-3151)
 Address Wellsite Address 940 - 8th Avenue, S.W. Calgary
 It is understood that if changes become necessary, notice of the change of plan will be submitted.
 Dated at Calgary, this 14th day of February 19 69
 Signed by W.H. Dyson Company United Canso Oil & Gas Ltd.
 Title General Ops, Suptd. Operator's Licence No. 1196

(For Resource Management Division use only)

APPROVED

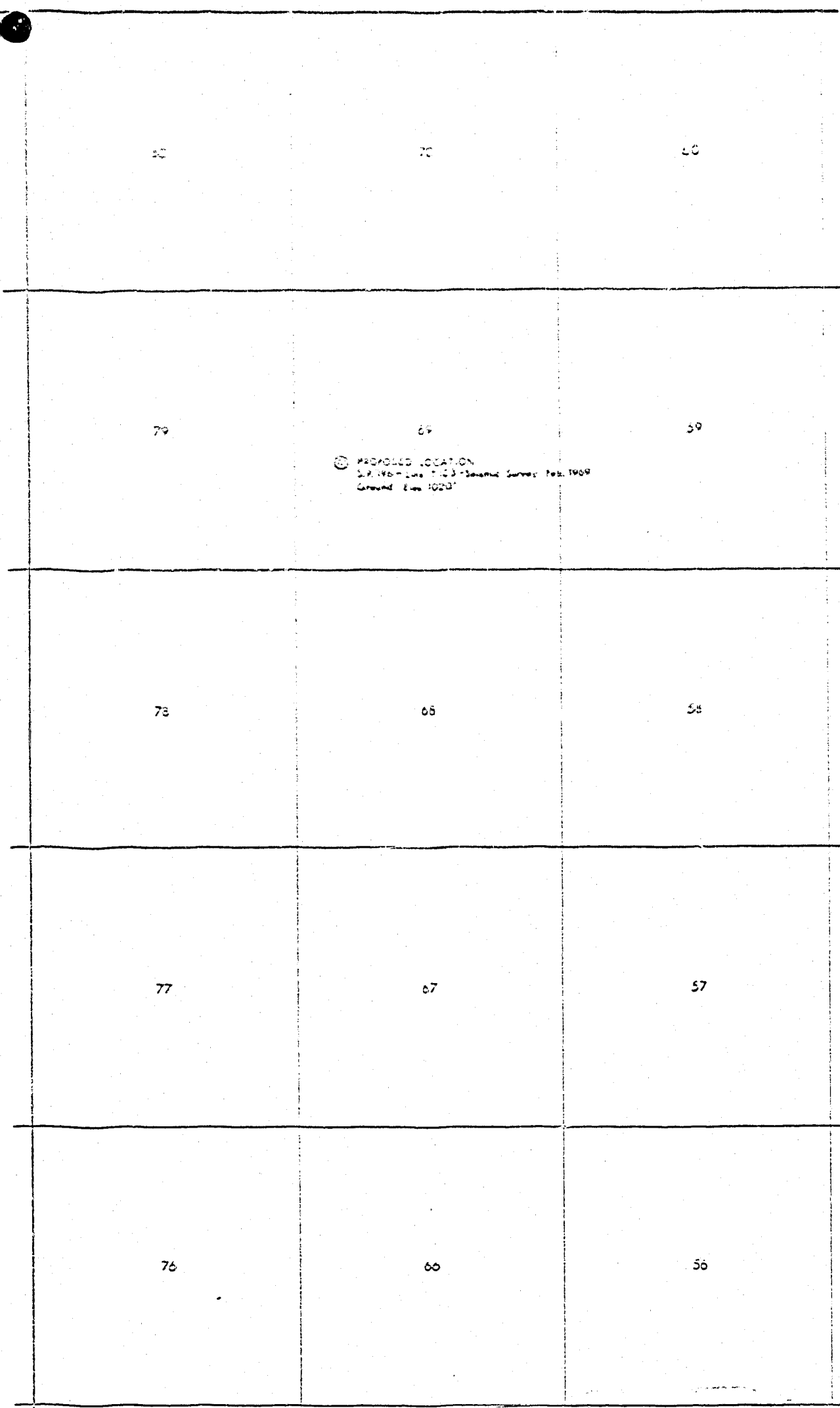
This application has been examined and approved subject to the following conditions:—

1. ~~The Company will submit to this office, on Tuesday of each week, the latest reports received by radio on the progress of the well.~~
2. ~~During well drilling and testing operations every effort shall be made to ensure that~~
 Dated 17th February 19 69 B. H. Thomas (over)
 Oil Conservation Engineer

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

IAND 52-90-1 (3-67)

UNIQUE WELL IDENTIFIER: 3002696010116450



GRID 60° 10' N. — 116° 45' W.

PLAT SHOWING LOCATION OF CANSO-et al-N. CAMERON HILLS E-69

UNIT-E SECTION-69 GRID 60° 10' N. — 116° 45' W.

LAT. 60° 08' 24.24" N

LONG. 116° 57' 47.79" W.

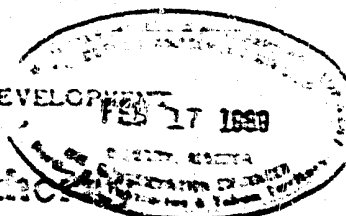
Drilling Authority No. 358

Project No.

File No.



DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
OIL AND MINERAL
Application for a Drilling Authority



This notice of intention to begin drilling operations, in triplicate, and where required a plan of survey approved by the Surveyor General showing the target area or the site of the well must be submitted and approved before commencing operations.

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

Name and number of well Canso et al N. Cameron Hills E-69

Location: Unit E Section 69 Grid 60-10, 116-45

Latitude 60° 08' 24.24" N Longitude 115° 57' 47.79" W

From Established Reference Marker Shot Point 196, 14-20-1103

Universal Well Location Reference 60.14007° N. Lat. 116.96127° W. Long

Elevation: Ground 1020' K.B. 1034' (est.) feet above sea-level

Well is expected to produce from Keg River formation at a depth

of about 3000' feet. Expected total final depth 3250'

Area assigned to well

(For Oil Conservation Engineer's use only)

Permit No. 4587 Lease No. Acreage 63,854

Permittee, licensee, or lessee Canadian Superior Oil Ltd.

Exploratory Licence No. 1206

Surface owned by Crown or Crown

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

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

Casing Size O.D. (Inches)	Weight (Lb./Ft.)	Grade	New or Used	Estimated Depth	Sections of Cement
1. 9 5/8"	32#	H 40	New	350'	200
2. 5 1/2"	14#	H 40	New	3250'	As required
3.					
4.					
5.					

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

Slave Point, Sulphur Point & Keg River, Drilling Mud & B.O.P.

Well will be drilled with Rotary Rig No. 12 by General Petroleum Drilling

(Drilling Contractor or company)

Co. Ltd.

Responsible agent of applicant: Contractor's Business Licence No.

At well J. O. Telfer At registered office W. H. Dyson (269-3151)

Address Well site Address 940 - 8th Avenue, S.W. Calgary

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

Dated at Calgary this 14th day of February 1969

Signed by W. H. Dyson Company United Canso Oil & Gas Ltd.

Title General Ops, Suptd. Operator's Licence No. 1196

(For Resource Management Division use only)

APPROVED

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

1. The Company will submit to this office, on Tuesday of each week, the latest reports received by radio on the progress of the well.
2. During well drilling and testing operations every effort shall be made to ensure that

Dated 17th February 1969 (over)

Oil Conservation Engineer

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

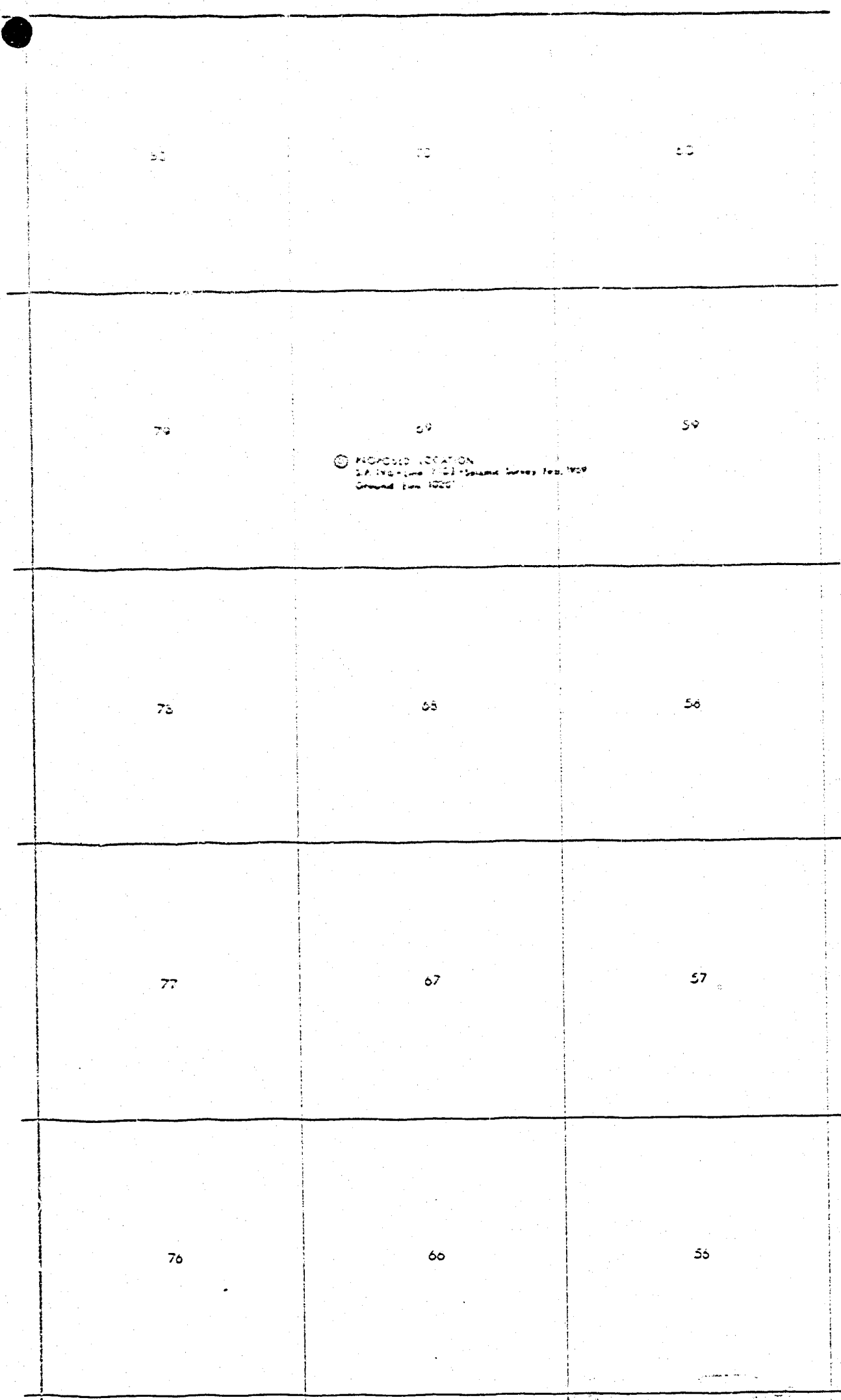
LAND 52-90-1 (3-55)

WELL IDENTIFIER: 300696010116450

drilling fluids, chemicals and wastes shall be disposed of or contained in a manner that will prevent the contamination of adjacent vegetation and surface or sub-surface waters.

3. We draw your attention to Sections 95 and 96 of the Canada Oil and Gas Land Regulations


B.H.J. Thoms
Oil Conservation Engineer



GRID 60° 10' N. — 116° 45' W.

PLAT SHOWING LOCATION OF CANSO-~~and~~-N. CAMERON HILLS E-69

UNIT-E SECTION-59 GRID 60° 10' N. — 116° 45' W.

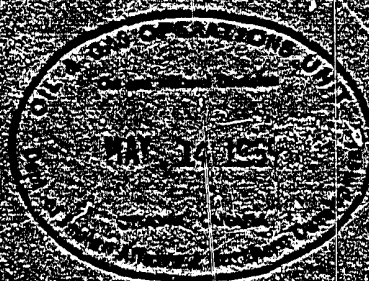
LAT. 60° 08' 24.24" N
LONG. 116° 57' 47.79" W.

312-1113

CANSO ET AL N. CAMERON HILLS E-69

COMPLETION REPORT

APRIL, 1969



April 14, 1969

This report includes all information on the
well Canso et al N. Cameron Hills Z-69, and
is for the files of the Department of Indian
Affairs and Northern Development.



UNITED CANSO OIL & GAS LTD


J. O. Telfer,
Area Superintendent

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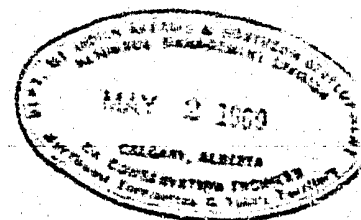
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SECTION I

SUMMARY OF WELL DATA

SUMMARY OF WELL DATA



Well: Canso et al N. Cameron Hills E-69

Permittee: Canadian Superior Oil Ltd.

Operator: United Canso Oil & Gas Ltd.

Location: Unit E, Section 59, Grid 60°10', 116°45'
Latitude 60°08' 24.24" N.; Longitude 116°57' 47.79" W.
On Shot Point #196, Line T103
Universal Well Location Ref. - 60.14007° N. Lat.
116.96327° W. Long.
Unique Well Identifier - 300E696010116450

Co-Ordinates: Not applicable

Permit No.: 4587

Drilling Contractor: General Petroleum Drilling Co. Ltd. (Rig #12)

Drilling Authority: 358 - February 17, 1969

Classification: Wildcat

Elevation: Ground - 1020'
14' Ground to K.B. Interval
K. B. - 1034'

Spudded: 5:26 p.m. February 25, 1969

Completed Drilling: 12:15 p.m. March 14, 1969

Total Depth: 2995' Driller; 2993' Schlumberger

Rig Released: 12:00 Midnight, March 17, 1969

Well Status: Plugged and abandoned

Hole Size: 26" - Surface to 34'
12-1/4" - 34' to 308'
8-3/4" - 308' to 2995'

Casing: 1. Conductor Pipe - 20' Oil Barrels @ 34' w/40 sacks cement. Pulled
2. 7 joints (313.52') of 9-5/8", 32.3#, H-40, Range 3 casing
cemented at 306' with 200 sacks construction cement plus
3% calcium chloride.

Abandonment Plugs: #1 2250'-2995' using 275 sacks cement plus 2% gel
#2 250' - 350' using 50 sacks plus 3% calcium chloride
#3 Surface using 5 sacks cement. Welded plate on top.

S E C T I O N I I

G E O L O G I C A L S U M M A R Y

Well Summary

Cameron Hills E-69

GEOLOGIC SUMMARYFormation Tops:

<u>Marker</u>	<u>Samples</u>		<u>Logs</u>	
	<u>Depth</u>	<u>Subsea</u>	<u>Depth</u>	<u>Subsea</u>
Cretaceous	30'	+1004		
Tathlina	190	+ 844	190'	+ 844
Fort Simpson	1100	- 66	1117	- 83
Beaverhill Lake			2247	-1213
Slave Point	2300	-1266	2313	-1279
Fort Vermilion	2415	-1381	2418	-1384
Watt Mountain	2505	-1471	2490	-1456
Sulfur Point	2515	-1481	2511	-1477
Muskeg	2580	-1546	2580	-1546
Keg River			2862	-1828
Chinchaga ??	2960	-1926		
Red Beds	Absent			
Precambrian	2980	-1946	2978	-1944
Total Depth - Driller			2995	-1961
- Schlumberger			2993	-1959

Cores:

Core #1 (2900-2924') Recovered 24' (100%)
 - Not analyzed -

GEOLOGIC SUMMARYSample Description:

By: R.E. Hay

K.B. 1034'

Surface to 30' Mud silt & sh, occ sdy in pt.

- 30- 60' SHALE: 80%, lt-dk gy & blk, micronic, occ silty;
SANDSTONE: 20%, unconsol f-med gr occ crs gr,
ang to subrded qtz grs, ang lt pk-red feldspar
frags, occ ls frag.
- 60- 70 SHALE: 95%, SANDSTONE: 5%, as above.
- 70- 100 SHALE: dk gy-blk, blocky to platy, occ silty;
some qtz grs, ls frags.
- 100- 130 SHALE: as above, grdng to lignite in pt (poor
grade of coal); tr qtz grs, feld, ls frags.
- 130- 170 SHALE: 80%, as above; SANDSTONE: 20%, lt gy, f
gr, glauc, some wh clay (kaol) cement, some qtz
grs & ls frags.
- 170- 190 SANDSTONE: 60%, wh-lt gy, v f gr, silty in pt,
fri in pt; SHALE: 40%, as above.

TATHLINA 190' (+844)

- 190- 200 LIMESTONE: 95%, lt bf, crypto to f xln, pyr &
sl arg in pt; SHALE: 5%, as above.
- 200- 290 LIMESTONE: as above, occ lt gysh grn, arg ptgs;
tr sh, foss frags.
- 290- 300 LIMESTONE: 90%, as above; SHALE: 10%, lt gysh
grn, dol to calc, grdng in pt to arg ls.
- 300- 350 LIMESTONE: lt bf, crypto to f xln, sl arg, tr
gysh grn shaly ptgs.

Well Summary

Cameron Hills E-69

Sample Description ... cont'd

- 350- 390' LIMESTONE: 90%, as above; SHALE: 10%, lt gy-gysh grn, dol to calc, grdg to arg ls.
- 390- 480 LIMESTONE: lt gysh bf-bf, crypto-microxln, arg in pt, minor gysh grn shaly ptgs.
- 480- 530 LIMESTONE: 80%, as above; SHALE: 20%, lt gy-gysh grn, calc, grdg to arg ls; tr foss frags.
- 530- 580 LIMESTONE: 90%, gysh bf-bf, crypto to f xln, dol in pt, arg in pt; SHALE: 10%, as above.
- 580- 600 LIMESTONE: 80%, as above; SHALE: 20%, lt gy & gysh grn, dol to calc, grdg to arg ls.
- 600- 620 LIMESTONE: 90%, as above; SHALE: 10%, as above.
- 620- 700 LIMESTONE: bf, occ lt gy-gysh bf, crypto-f xln, arg in pt; tr shaly ptgs.
- 700- 710 LIMESTONE: 90%, as above, arg to silty in pt; SHALE: 10%, lt gy-gysh grn, calc, silty in pt.
- 710- 750 LIMESTONE: bf-lt brn, crypto-microxln, sl arg to silty in pt; tr sh, foss frags.
- 750- 770 LIMESTONE: 70%, gysh bf-bf, crypto-microxln, arg in pt; SHALE: 30%, lt gy-gysh grn, calc in pt.
- 770- 780 LIMESTONE: 80%, lt gy-gysh bf & bf, crypto-microxln, v arg in pt; SHALE: 20%, as above.
- 780- 810 LIMESTONE: 60%, SHALE: 40%, as above.
- 810- 830 LIMESTONE: 80%, SHALE: 20%, as above.
- 830- 850 LIMESTONE: 95%, as above, pyr in pt; SHALE: 5%, as above.

Sample Description ... cont'd

850- 950	LIMESTONE: 95%, lt-med gy, crypto-microxln, arg to silty; SHALE: 5%, as above, tr foss frags.
950- 980	LIMESTONE: 80%, as above, v arg; SHALE: 20%, lt to med gy, calc.
980-1000	LIMESTONE: 90%, lt-med gy, some lt bf ls, crypto to microxln, arg in pt; SHALE: 10%, as above.
1000-1030	LIMESTONE: 90%, crm to bf & lt brn, gysh bf in pt, crypto to f xln, sl arg, foss; SHALE: 10%, lt-med gy, blocky, calc, tr gysh grn sh.
1030-1090	LIMESTONE: 90%, crm-bf & lt brn, occ lt gy-gysh bf, crypto-f xln, arg in pt, foss; SHALE: 10%, lt gy-gysh grn & lt grn, calc.
1090-1100	LIMESTONE: 80%, SHALE: 20%, as above.

PORT SIMPSON 1100' (- 66)

1100-1120	LIMESTONE: 50%, as above; SHALE: 40%, lt gysh grn to lt grn, platy to splintery, calc in pt, occ silty.
1120-1150	LIMESTONE: 80%, gysh bf to brn, crypto-f xln, arg; SHALE: 20%, gy-gysh grn, calc.
1150-1160	LIMESTONE: 70%, SHALE: 30%, as above.
1160-1190	LIMESTONE: 50%, as above, v arg; SHALE: 50%, as above.
1190-1200	LIMESTONE: 70%, SHALE: 30%, as above.
1200-1210	SHALE: 80%, lt gy & gysh grn, blocky to platy, calc to dol in pt, occ silty; LIMESTONE: 20%, as above.

Sample Description ... cont'd

- 1210-1230' SHALE: 90%, as above; LIMESTONE: 10%, gysh bf-med gy, occ bf-brn, cryptoxln, arg.
- 1230-1240 SHALE: 80%, LIMESTONE: 20%, as above.
- 1240-1260 SHALE: 70%, LIMESTONE: 30%, as above.
- 1260-1310 LIMESTONE: 60%, as above; SHALE: 40%, as above; tr foss frags.
- 1310-1360 SHALE: 60%, lt-dk gy, gysh grn-grn, blocky to platy, calc, occ silty, grdg in pt to arg ls; LIMESTONE: 40%, gysh bf, lt gy & bf to brn, cryptoxln, arg, foss.
- 1360-1420 LIMESTONE: 60%, SHALE: 40%, as above.
- 1420-1440 SHALE: 50%, lt-dk gy, gysh grn-grn, blocky to platy, calc in pt, occ silty; LIMESTONE: 50%, gy-gysh bf, bf-brn, cryptoxln, arg, foss.
- 1440-1480 SHALE: 80%, LIMESTONE: 20%, as above; tr foss frags.
- 1480-1490 SHALE: 70%, LIMESTONE: 30%, as above.
- 1490-1500 LIMESTONE: 60%, SHALE: 40%, as above.
- 1500-1530 SHALE: 60%, lt-dk gy, lt gysh grn-grn, blocky to platy, calc, occ silty, grdg in pt to arg ls; LIMESTONE: 40%, lt-med gy & gysh bf, occ bf-brn, crypto-microxln, arg in pt.
- 1530-1570 SHALE: 90%, LIMESTONE: 10%, as above.
- 1570-1620 SHALE: 95%, LIMESTONE: 5%, as above.
- 1620-1640 SHALE: 80%, as above; LIMESTONE: 20%, lt-med gy, occ gysh bf, cryptoxln, arg.

Sample Description ... cont'd

- 1640-1700' SHALE: 90%, LIMESTONE: 10%, as above.
- 1700-2000 SHALE: 95%, LIMESTONE: 5%, as above.
- 2000-2040 SHALE: lt-med gysh grn & grn, blocky to platy, occ splintery, micromic, occ silty; tr pyr, arg ls.
- 2040-2050 SHALE: as above, minor dk gy to blk blocky sh; tr pyr, arg ls, sltst.
- 2050-2070 SHALE: lt-med gysh grn & grn, blocky to platy, occ splintery, micromic, occ silty; tr arg ls, pyr, calcite.
- 2070-2090 SHALE: 90%, as above, minor dk gy-blk sh; LIMESTONE: 10%, crm-lt gy & gysh grn, crypto-f xln, arg.
- 2090-2100 SHALE: 80%, as above; LIMESTONE: 20%, as above; tr pyr, calcite.
- 2100-2120 SHALE: 90%, LIMESTONE: 10%, as above; tr pyr.
- 2120-2210 SHALE: 95%, LIMESTONE: 5%, as above.
- 2210-2235 SHALE: 90%, as above; LIMESTONE: 10%, crm-lt gy & gysh grn, crypto-f xln, arg, ti; tr pyr, calcite.
- 2235-2250 SHALE: 95%, as above, some dk brn to blk bit sh; LIMESTONE: 5%, as above; tr pyr, calcite.
- 2250-2265 SHALE: 95%, as above, abund dk brn to blk bit sh, limy in pt; LIMESTONE: 5%, as above; tr pyr.
- 2265-2280 SHALE: 80%, lt-med gy & grn, some dk brn-blk sh; LIMESTONE: 20%, crm-gy & occ dk brn, crypto-f xln, arg, pyr in pt, ti.
- 2280-2285 SHALE: 70%, LIMESTONE: 30%, as above; ti, tr foss frags.

Sample Description ... cont'd

2285-2295' SHALE: 80%, LIMESTONE: 20%, as above.

2295-2300 SHALE: 70%, LIMESTONE: 30%, as above.

SLAVE POINT 2300' (-1266)

2300-2310 LIMESTONE: crm-lt gy, gysh bf-lt brn, crypto to microxln, arg in pt, sl pyr, foss, ti; SHALE: 40%, as above.

2310-2315 LIMESTONE: 80%, gysh bf, occ crm-lt brn, crypto to f xln, chalky in pt, foss, ti; SHALE: 20%, as above; tr pyr.

2315-2325 LIMESTONE: 90%, crm-gysh bf & brn, crypto-f xln, chalky in pt, sl dol in pt, pyr, ti, no fluor; SHALE: 10%, as above.

2325-2340 LIMESTONE: 90%, crm-bf & lt brn, occ gysh bf, crypto to f xln, chalky in pt, foss, pyr in pt, ti, no fluor; SHALE: 10%, as above.

2340-2355 LIMESTONE: 90%, crm-brn, also dk brn-blk in pt, crypto-f xln, occ wh-brn xl growth sugg poss vuggy por, otherwise ls looks ti, no fluor; SHALE: 10%, cvgs.

2355-2360 LIMESTONE: 95%, crm-lt & dk brn, crypto-f xln, dol in pt, chalky in pt, tr foss frags, minor interxln por, no fluor; SHALE: 5%, lt gy-gysh grn & lt grn.

2360-2365 LIMESTONE: 95%, as above, poor to fair interxln & some p.p. por, no fluor; SHALE: 5%, cvgs.

2365-2375 LIMESTONE: 95%, crm-bf & brn, crypto-f xln, poor interxln por w/ minor p.p. por, no fluor; SHALE: 5%, cvgs.

Well Summary

Cameron Hills E-69

Sample Description ... cont'd

- 2375-2385' LIMESTONE: 95%, crm-lt & dk brn, crypto-microxln, occ f xln, chalky in pt, minor interxln por, sl dol in pt, no fluor, tr pyr; SHALE: 5%, cvgs: tr foss frags.
- 2385-2400 LIMESTONE: 90%, as above, some dk brn-blk bit ptes; SHALE: 10%, as above.
- 2400-2415 LIMESTONE: 90%, crm, lt & dk brn & blk, crypto-microxln, occ wh-brn xl growth sugg poss vuggy por, tr p.p. por, tr foss frags, pyr; SHALE: 10%, lt-dk gy & grn, platy to splintery, occ silty.

FORT VERMILION 2415' (-1381)

- 2415-2420 LIMESTONE: 90%, as above, anhy in pt, ti; SHALE: 10%, as above.
- 2420-2425 LIMESTONE: 80%, crm-gy & gysh bf, lt-dk brn, crypto-microxln, anhy, ti; ANHYDRITE: 10%, whtsh bf-lt brn, occ gysh bf; SHALE: 10%.
- 2425-2430 LIMESTONE: 60%, as above; ANHYDRITE: 20%, as above; SHALE: 20%, lt-med & dk gy, occ gysh grn, silty in pt.
- 2430-2440 LIMESTONE: 90%, crm-lt & dk brn, crypto-med xln, anhy, ti; SHALE: 10%, as above.
- 2440-2445 LIMESTONE: 30%, as above, anhy; DOLOMITE: 50%, lt bf-gysh bf, v f sucrosic, sl arg; SHALE: 20%, as above.
- 2445-2450 LIMESTONE: 70%, bf-lt & dk brn, micro-v f xln, anhy & dol in pt; DOLOMITE: 25%, bf-lt brn, f sucrosic, calcitic in pt, silty in pt.

Well Summary

Cameron Hills E-69

Sample Description ... cont'd

- 2450-2460' DOLOMITE: 80%, bf-lt brn, v f sucrosic, calcitic in pt, sl arg & silty; LIMESTONE: 15%, bf-brn, crypto-f xln, dol; SHALE: 5%; tr anhy, pyr.
- 2460-2465 DOLOMITE: 65%, as above, anhy; ANHYDRITE: 20%, whtsh bf-lt brn; LIMESTONE: 10%, as above; SHALE: 5%, lt-dk gy & gysh grn; tr pyr.
- 2465-2470 LIMESTONE: 60%, crm-lt & dk brn, crypto-microxln, anhy, chalky in pt, dol in pt, tr pyr; ANHYDRITE: 25%, whtsh bf-lt brn; DOLOMITE: 10%, as above; SHALE: 5%, as above.
- 2470-2475 LIMESTONE: 80%, ANHYDRITE: 20%, as above.
- 2475-2480 LIMESTONE: 95%, bf-lt & dk brn, minor gysh bf ls, crypto-med xln, occ crsly xln, anhy in pt, sl arg, dol in pt.
- 2480-2485 LIMESTONE: 80%, as above; ANHYDRITE: 15%, whtsh bf-lt brn; SHALE: 5%, lt-med gy, some bright grn blocky waxy sh; tr pyr.
- 2485-2495 LIMESTONE: 70%, as above; ANHYDRITE: 10%, as above; SHALE: 20%, lt-dk gy & gysh grn, tr bright grn waxy sh; tr pyr.
- 2495-2500 LIMESTONE: 60%, crm-lt & dk brn, crypto-microxln, anhy, arg in pt, pyr; SHALE: 40%, lt-med gy & gysh grn, tr lt-bright grn waxy sh.
- 2500-2505 LIMESTONE: 50%, crm-bf & brn, crypto-microxln, chalky in pt, sl arg; SHALE: 50%, lt-med gy & gysh grn.

WATT MOUNTAIN 2505' (-1471)

Well Summary

Cameron Hills E-69

Sample Description ... cont'd

2505-2515' SHALE: 95%, lt-dk gy & gysh grn, some lt grn waxy sh; LIMESTONE: 5%, as above; tr pyr.

SULFUR POINT 2515' (-1481)

2515-2520 LIMESTONE: 90%, crm-lt brn, crypto-f xln, chalky in pt, dol, scat p.p. por, minor interxln por, abun pale yel fluor, v lt cut when treated w/ chlorothene; SHALE: 10%, lt-dk gy, occ silty.

2520-2530 LIMESTONE: 95%, crm-brn, crypto-microxln, chalky in pt, tr p.p. por, foss, scat pale yel fluor; SHALE: 5%, as above; tr pyr.

2530-2550 LIMESTONE: 40%, as above; DOLOMITE: 40%, lt-dk brn, micro-med xln, f sucrosic in pt, scat pale yel fluor, poor por; SHALE: 20%, as above.

2550-2555 DOLOMITE: 40%, crm-lt & dk brn, microxln to f sucrosic, grdg in pt to dol ls, occ clear to wh & brn xl growth sugg poss vuggy por, minor p.p. por, scat pale yel fluor, sl cut when treated w/ chlorothene; SHALE: 60%, cvgs.

2555-2580 DOLOMITE: 20%, SHALE: 80%, cvgs.

MUSKEG 2580' (-1546)

2580-2585 DOLOMITE: 20%, as above, tr wh to whtsh brn anhy; SHALE: 80%, cvgs.

2585-2595 DOLOMITE: 15%, bf-lt & dk brn, crypto-f xln, anhy in pt; SHALE: 85%, cvgs.

2595-2600 DOLOMITE: 25%, as above; ANHYDRITE: 5%, wh-lt brn; SHALE: 70%.

Sample Description ... cont'd

- 2600-2605' ANHYDRITE: 25%, wh-lt brn, dol in pt; DOLOMITE: 15%, bf-brn, crypto-f xln, anhy in pt, ti; SHALE: 60%, cvgs.
- 2605-2610 DOLOMITE: 60%, bf-brn, micro-f xln, occ med-crsly xln, anhy in pt, tr pyr; ANHYDRITE: 20%, wh-brn, dol in pt; SHALE: 20%, cvgs.
- 2610-2615 DOLOMITE: 30%, as above; ANHYDRITE: 20%, as above; SHALE: 50%, cvgs.
- 2615-2640 DOLOMITE: 20%, ANHYDRITE: 10%, as above; SHALE: 70%, cvgs.
- 2640-2645 ANHYDRITE: 30%, wh, lt & dk brn, dol in pt; DOLOMITE: 20%, bf-brn, micro-f xln, occ med-crsly xln, anhy in pt, ti; SHALE: 50%, cvgs.
- 2645-2650 DOLOMITE: 60%, as above; ANHYDRITE: 20%, as above; SHALE: 20%, cvgs.
- 2650-2655 DOLOMITE: 50%, ANHYDRITE: 10%, as above; SHALE: 40%, cvgs.
- 2655-2670 DOLOMITE: 50%, ANHYDRITE: 20%, as above; SHALE: 30%, cvgs.
- 2670-2680 ANHYDRITE: 30%, DOLOMITE: 10%, as above; SHALE: 50%, cvgs.
- 2680-2700 ANHYDRITE: 20%, DOLOMITE: 10%, as above; SHALE: 70%, cvgs.
- 2700-2705 DOLOMITE: 30%, bf-lt & dk brn, micro-f xln, anhy in pt; ANHYDRITE: 20%, wh-lt brn, dol in pt; SHALE: 50%, cvgs.
- 2705-2710 DOLOMITE: 80%, bf-lt & dk brn, micro-med xln, occ crsly xln, anhy in pt; ANHYDRITE: 10%, wh-lt brn, dol in pt; SHALE: 10%, cvgs.

Well Summary

Cameron Hills E-69

Sample Description ... cont'd

- 2710-2720' DOLOMITE: 40%, ANHYDRITE: 40%, as above; SHALE: 20%, cvgs.
- 2720-2725 ANHYDRITE: 60%, DOLOMITE: 30%, as above; SHALE: 10%, cvgs.
- 2725-2735 ANHYDRITE: 70%, as above; DOLOMITE: 20%, as above; SHALE: 10%, cvgs.
- 2735-2740 DOLOMITE: 60%, ANHYDRITE: 30%, as above; SHALE: 10%, cvgs.
- 2740-2755 ANHYDRITE: 60%, wh-lt & dk brn, dol in pt; DOLOMITE: 35%, bf-lt & dk brn, micro-f xln, occ med xln, anhy in pt, ti; SHALE: 5%, cvgs.
- 2755-2765 ANHYDRITE: 75%, as above; DOLOMITE: 20%, as above; SHALE: 5%, cvgs.
- 2765-2775 ANHYDRITE: 50%, DOLOMITE: 40%, as above; SHALE: 10%, cvgs.
- 2775-2780 DOLOMITE: 60%, bf-lt & dk brn, micro-f xln, anhy in pt, tr clear to wh xl growth; ANHYDRITE: 30%, wh-lt & dk brn, dol in pt; SHALE: 10%, cvgs; tr Pyr.
- 2780-2785 DOLOMITE: 10%, as above; ANHYDRITE: 5%, as above; SHALE: 85%, cvgs.
- 2785-2790 ANHYDRITE: 20%, DOLOMITE: 10%, as above; SHALE: 70%, cvgs.
- 2790-2795 DOLOMITE: 50%, ANHYDRITE: 40%, as above; SHALE: 10%, cvgs.
- 2795-2800 ANHYDRITE: 45%, DOLOMITE: 35%, as above; SHALE: 20%, cvgs.

Well Summary

Cameron Hills E-69

Sample Description ... cont'd

- 2800-2805' DOLOMITE: 60%, ANHYDRITE: 30%, as above; SHALE: 10%, cvgs.
- 2805-2810 DOLOMITE: 70%, bf-lt & dk brn, occ blk, micro-med xln, occ crsly xln, anhy in pt; ANHYDRITE: 25%, wh-brn, dol in pt.
- 2810-2815 ANHYDRITE: 60%, DOLOMITE: 35%, as above; SHALE: 5%, cvgs.
- 2815-2850 ANHYDRITE: 70%, DOLOMITE: 25%, as above; SHALE: 5%, cvgs.
- 2850-2855 DOLOMITE: 50%, bf-lt & dk brn, micro-f xln, occ med xln, anhy in pt; ANHYDRITE: 40%, wh-brn, dol in pt; SHALE: 10%, cvgs.
- 2855-2860 DOLOMITE: 30%, ANHYDRITE: 20%, as above; SHALE: 50%, cvgs.
- 2860-2870 DOLOMITE: 70%, ANHYDRITE: 20%, as above; SHALE: 10%, cvgs.
- 2870-2875 DOLOMITE: 85%, bf-lt & dk brn, micro-f xln, occ med-crsly xln, sl anhy; ANHYDRITE: 10%, wh-lt brn, dol inpt; SHALE: 5%, cvgs.
- 2875-2880 DOLOMITE: 90%, as above, tr occ lt brn oil? st, minor v pale yel fluor, no cut when treated w/ chlorothene; ANHYDRITE: 10%, as above.
- 2880-2900 DOLOMITE: 90%, as above, scat lt brn oil? st, scat v pale yel fluor, no cut; ANHYDRITE: 10%, as above.

Well Summary

Cameron Hills E-69

Core Description:

Core #1 (2900-2924') Recovered 24' (100%)

Coring Times: 35, 39, 36, 34, 31, 30, 30, 29, 29, 28, 27,
26, 32, 33, 32, 35, 33, 30, 30, 30, 31, 31,
32, 31. (Core size 4-3/8").

Box #1 (2900.0-2903.1')

3.1' DOLOMITE: lt-dk brn, mottled in pt, micro-f xln, occ med xln, anhy, scat lenses, knots & pockets of wh-whtsh gy anhy, hd, ti, no por or perm.

Box #2 (2903.1-2906.8')

3.7' DOLOMITE: as above, hd, ti, no por or perm.

Box #3 (2906.8-2910.2')

3.4' DOLOMITE: as above, v anhy in pt, two horiz bands anhy up to 4" thick, hd, ti.

Box #4 (2910.2-2913.5')

3.3' DOLOMITE: as above, v anhy, hd, ti.

Box #5 (2913.5-2917.2')

3.7' DOLOMITE: as above, styl in pt, hd, ti.

Box #6 (2917.2-2920.5')

3.3' DOLOMITE: as above, v anhy, also few incls & pockets gysh grn dol sh in bottom half of interval (brecc?), hd, ti.

Box #7 (2920.5-2924.0')

3.5' DOLOMITE: as above, v anhy, styl in pt, scat pockets & incls of gysh grn dol sh in top half of interval, hd, ti.

Sample Description ... cont'd

2924-2930' DOLOMITE: 60%, bf-dk brn & blk, crypto-microxln, occ f xln, anhy in pt; ANHYDRITE: 10%, wh-brn, dol in pt; SHALE: 30%, cvgs.

Well Summary

Cameron Hills E-69

Sample Description ... cont'd

- 2930-2940' DOLOMITE: 90%, crm-bf & lt brn, occ dk brn to blk, micro-med xln, occ crsly xln, tr clear to wh selenite xls; ANHYDRITE: 10%, wh-brn.
- 2940-2945 DOLOMITE: crm-bf, minor lt-dk brn, dol, micro to med xln, occ crsly xln, sl anhy in pt, tr clear to wh xls.
- 2945-2960 DOLOMITE: crm-lt & dk brn, otherwise as above, scat lt brn oil? st, v minor pale yel fluor, no cut, tr clear to brn xl growth sugg poss vuggy por.

CHINCHAGA??? 2960' (-1926)

- 2960-2965 DOLOMITE: crm-lt & dk brn, also lt-med gy & gysh bf, crypto-f xln, gy dol is arg in pt, also siliceous in pt, tr floating qtz grs, occ dk brn-blk & minor gysh grn shaly ptgs.
- 2965-2975 DOLOMITE: as above; anhy in pt.
- 2975-2980 DOLOMITE: 90%, crm-bf, occ lt-dk gy, crypto-microxln, anhy, lt-dk gy dol siliceous in pt, also w/ occ floating qtz grs; QUARTZ: 10%, clear to wh & lt gy, pyr in pt, sl dol, also dk gy w/ blk incls (biotite?), some frags wh clay (kaol?).

PRECAMBRIAN 2980' (-1946)

- 2980-2995 QUARTZ: 90%, clear to wh, lt gy & gysh blk in pt, tr lt pk-red st, tr well rded qtz grs, some soft wh clay (kaol?); DOLOMITE: 10%, as above.

TOTAL DEPTH - 2995' (Driller)
- 2993' (Schlumberger)

REH/mk
March 27, 1969

SECTION III

ENGINEERING SUMMARY

DRILLSTEM TESTSDST #1 (2480-2600') Sulfur Point

Prewflow 5 mins.

I.S.I. 30 mins; V.O. 60 mins; F.S.I. 60 mins.

Good air blow on preflow followed by good
air blow with gas to surface in 2 mins
when valve was opened, too small to measure.

Recovery: 3' drilling mud.

Pressures: Initial Hydrostatic	- 1288 psi	Final	- 1307 psi
Flowing	53		82
Shut in	1094		981

DST #2 (2860-2995') Keg River

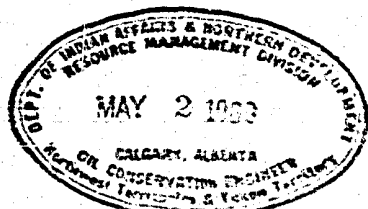
Prewflow 3 mins.

I.S.I. 30 mins; V.O. 60 mins; F.S.I. 60 mins.

Weak air blow, remained steady throughout.
No gas to surface.

Recovered: 10' drilling mud.

Pressures: Initial Hydrostatic	- 1459 psi	Final	- 1467 psi
Flowing	14		18
Shut in	595		99



DRILLING SUMMARYDrilling:

Drilled 12-1/4" hole to 308'.
 Cemented 9-5/8" casing at 306'.
 Waited on cement 16 hours and installed B.O.P's.
 Drilled 8-3/4" hole from 308' to 2900'.
 Cut 24' core from 2900' to 2924' with 8-11/16" diamond bit.
 Ran 8-3/4" bit and drilled from 2924' to 2995'.

Bit Record:

<u>Run</u>	<u>Size</u>	<u>Type</u>	<u>Serial No.</u>	<u>From</u>	<u>To</u>	<u>Hours</u>	<u>Footage</u>
1A	12-1/4"	Hughes OSC	CP094	0'	190'	11-1/4	190'
2A	"	" OSC	79748	190'	308'	17-1/2	118'
1	8-3/4"	" X-1G	9775	308'	1550'	33-1/4	1242'
2	"	" X-1G	AA568	1550'	2530'	27-1/2	908'
3	"	" OWV	111	2530'	2600'	5-3/4	70'
4	"	" XV	98381	2600'	2786'	26-1/2	186'
5	"	" ODV	9040	2786'	2900'	14-1/2	114'
1C	8-11/16"	Diamond	0871C	2900'	2924'	8-1/2	24'
6	8-3/4"	Hughes ODV	re-run	2924'	2989'	11-1/2	65'
7	"	Reed YHC	EL7204	2959'	2989'	1-3/4	(30')
				2989'	2992'	1-1/2	3'
8	"	Hughes ODV	re-run	2992'	2995'	1-3/4	3'
Drill/Core						164-1/2	2995'
Ream						1-3/4	(30')
Bit Hours						166-1/4	

Deviation Record:

<u>Run</u>	<u>Date</u>	<u>Depth</u>	<u>Deviation</u>	<u>Run</u>	<u>Date</u>	<u>Depth</u>	<u>Deviation</u>
1)	Feb. 26	73'	7/8°	11)	Mar. 6	1768'	1/4°
2)	Feb. 27	102'	7/8°	12)		1986'	1/4°
3)		132'	3/4°	13)	Mar. 8	2452'	1/2°
4)		163'	3/4°	14)		2530'	1-1/2°
5)	Mar. 1	220'	1/4°	15)	Mar. 9	2585'	3/4°
6)	Mar. 2	308'	3/4°	16)	Mar. 10	2700'	1°
7)	Mar. 4	496'	1/4°	17)	Mar. 11	2786'	1-3/4°
8)	Mar. 5	991'	1/2°	18)	Mar. 12	2900'	3/4°
9)	Mar. 6	1519'	3/4°	19)	Mar. 14	2992'	1°
10)		1565'	1/8°				

2 Cameron Hills E-49

From	To	Wt.	Vis.	W.L.	F.C.	pH	Additives
0'	34'						50# caustic; 5000# gel; 75# lime
34'	102'	8.8	38				5000# gel; 150# lime
102'	122'	8.6	43				6000# gel; 25# lime; 20 sz sawdust
122'	190'	8.7	44				
190'	210'	8.7	32				4600# gel
210'	255'	8.7	40				2600# gel
255'	305'	9.2	46				900# gel
305'	308'	9.2	46				3500# gel
308'	452'	8.2	28				100# bicarbonate
452'	709'	8.3	28				
709'	870'	8.3	28				
870'	1190'	8.6	34				5000# gel; 100# bicarbonate;
							50# caustic
1190'	1430'	9.0	31				
1430'	1550'	9.3	42				100# caustic; 300# soda ash;
							2600# gel; 1450# Peltex
1550'	1710'	9.5	38				
1710'	2090'	9.5	43				2200# gel
2090'	2205'	8.7	40				200# Peltex; 2900# gel; 100# soda
							ash; 2 cans Poly Plastic
2205'	2250'	9.7	43	9.0	2/32	9.0	100# caustic
2250'	2407'	9.9	41	9.2	2/32	10.0	1000# gel
2407'	2470'	10.2	60	9.4	2/32	10.5	200# caustic; 100# Peltex
2470'	2530'	10.0	65	13.5	2/32	11.0	100# caustic; 150# Peltex
2530'	2585'	9.8	44	9.8	2/32	11.0	1200# gel; 50# CMC; 200# caustic;
							400# Peltex
2585'	2600'	9.2	160	9.2	2/32	11.0	2000# gel; 50# CMC
2600'	2615'	9.3	51	9.9	2/32	10.5	150# caustic; 300# Peltex; 50# CMC
2615'	2682'	9.6	50	10.9	2/32	11.0	300# Peltex; 250# caustic; 100# CMC;
							1000# gel
2682'	2727'	9.6	39	7.4	2/32	11.0	3400# gel; 50# CMC
2727'	2763'	9.8	47	8.0	2/32	11.0	3 cans Defoam; 1600# gel; 100#
							Peltex
2763'	2786'	9.5	50	10.0	2/32	9.0	
2786'	2827'	9.7	40	9.5	2/32	8.5	300# caustic; 1600# gel; 350# Peltex
2827'	2892'	9.8	49	10.2	2/32	10.5	1500# gel; 100# CMC; 200# Peltex;
							200# caustic
2892'	2900'	9.8	72	9.6	2/32	10.5	50# CMC
2900'	2915'	9.7	50	7.6	2/32	11.5	1000# gel
2915'	2925'	9.8	57	8.2	2/32	11.0	1000# gel
2925'	2940'	9.7	57	9.5	2/32	11.0	
2940'	2987'	9.8	57	7.6	2/32	10.5	1000# gel; 50# caustic; 50# Peltex;
							50# CMC
2987'	2989'	9.8	67	6.8	2/32	10.5	
2989'	2992'	9.7	60	7.0	2/32	10.5	
2992'	2995'	9.8	50	7.4	2/32	10.5	50# Peltex; 1000# gel; 50# caustic
Before logging							4500# gel; 100# caustic

Mud Control Data: (cont'd)

Total Additives:	62,100# gal
	1,900# caustic
	250# lime
	200# bicarbonate
	400# soda ash
	3,650# Peltex
	<u>450# CMC</u>
	68,950#
Plus	35 sacks sawdust
	3 cans Defoam
	2 cans Poly Plastic

Casing Record:

<u>Size</u>	<u>Wt.</u>	<u>Grade</u>	<u>From</u>	<u>To</u>	<u>No. Joints</u>	
Oil Barrels			Surface	34'		
9-5/8"	32.3#	H-40	Surface	306'	7 (313.52')	w/40 sacks cement. Pulled.

Casing Cementation:Surface Casing

Ran 7 joints (313.52') of 9-5/8", 32.3#, H-40, Range 3 casing equipped with Davis Lynch guide shoe, float collar, two B&W centralizers and stablocks across float collar and guide shoe. Set guide shoe at 306'.

Cemented casing with 200 sacks construction cement plus 3% calcium chloride.

Waited on cement 16 hours, installed B.O.P's and made satisfactory test of blind rams with 1200 psi for 15 minutes.

Ran bit and made satisfactory test of pipe rams and Hydril with 1200 psi for 15 minutes.

Abandonment:

Ran Plug #1 from 2250' to 2995' using 275 sacks cement plus 2% ^{gill} calcium chloride.

Pulled out of hole and laid down drill pipe.

Ran five stands and one single.

Circulated and conditioned hole.

Ran Plug #2 from 250' to 350' using 50 sacks cement plus 3% calcium chloride.

After 8 hours felt for Plug #2 and found top of cement at 255'.

Pulled out of hole, laid down drill pipe and removed B.O.P's

Cut casing off 3' below ground level, placed 5-sack cement plug in top of casing and welded on steel plate.

Installed identification marker and released drilling rig March 17, 1969.

SECTION IV

LOGS

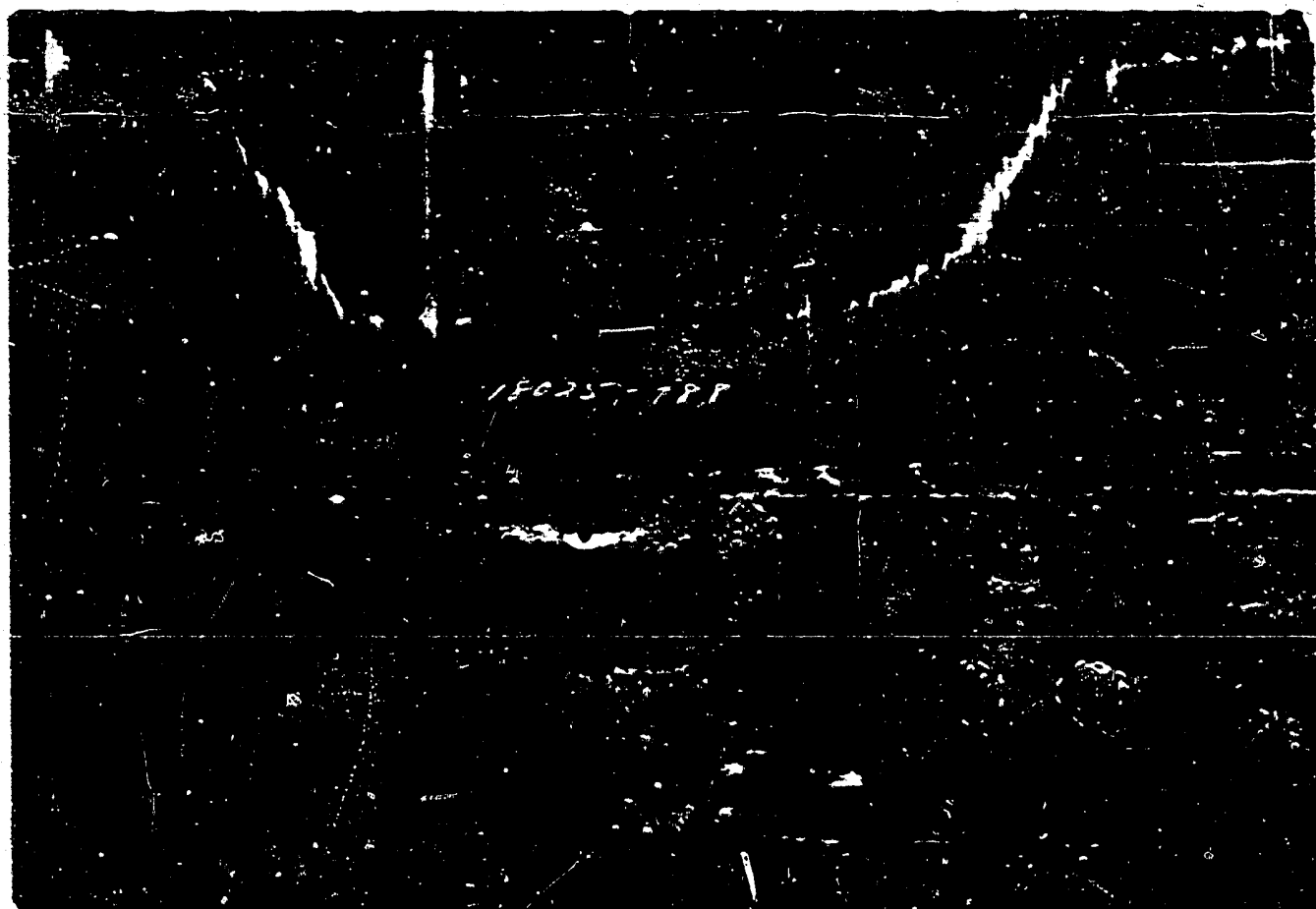
S U M M A R Y O F L O G S

<u>Date</u>	<u>Run No.</u>	<u>Interval</u>	<u>Type of Log</u>
March 15, 1969	1	305'-2992'	Induction - E-log
March 16, 1969	1	305'-2991'	Marshole Compensated Sonic Log
March 16, 1969	1	2250'-2992'	Formation Density Log

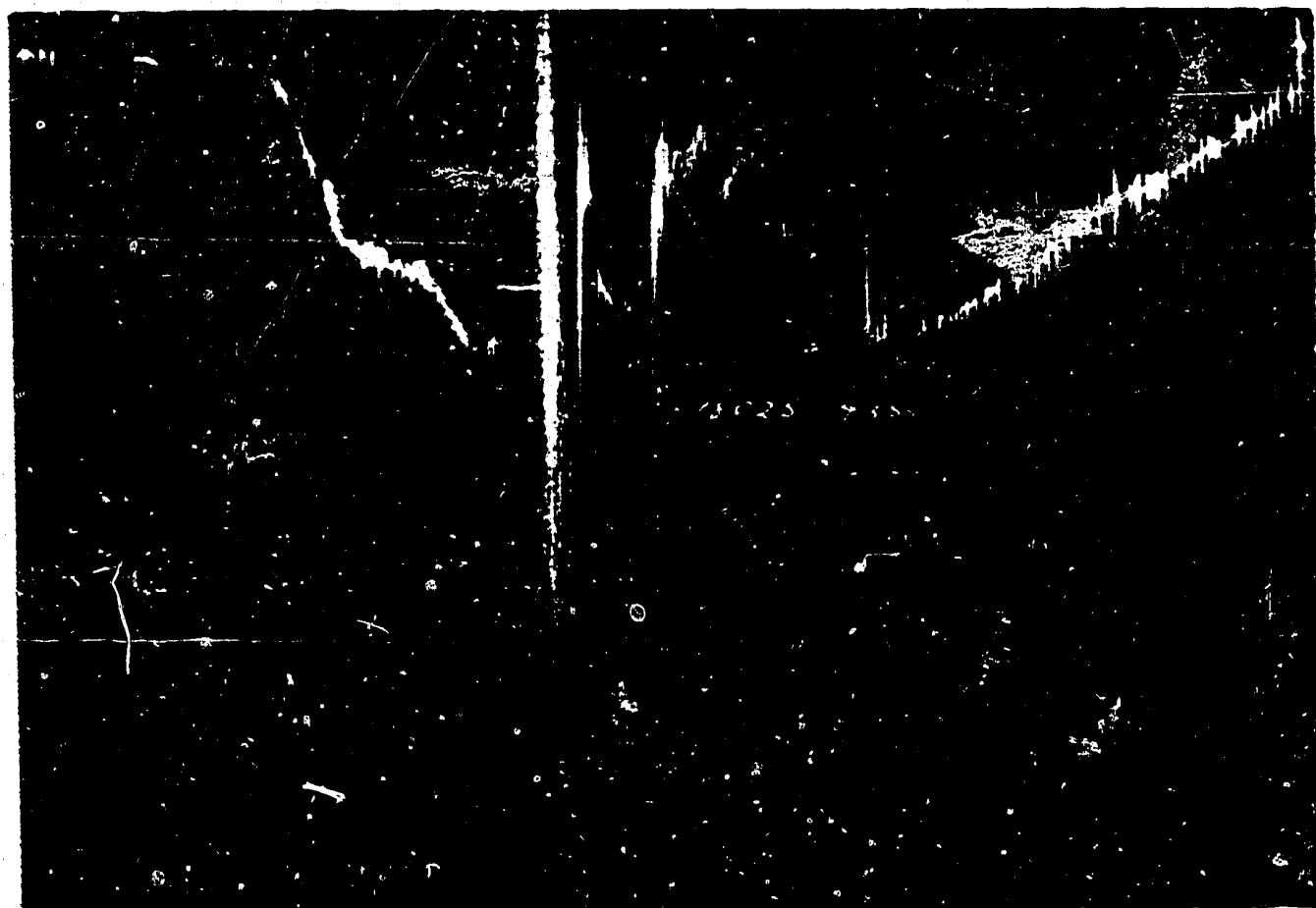
S U M M A R Y O F A N A L Y S E S

N 11

PRESSURE

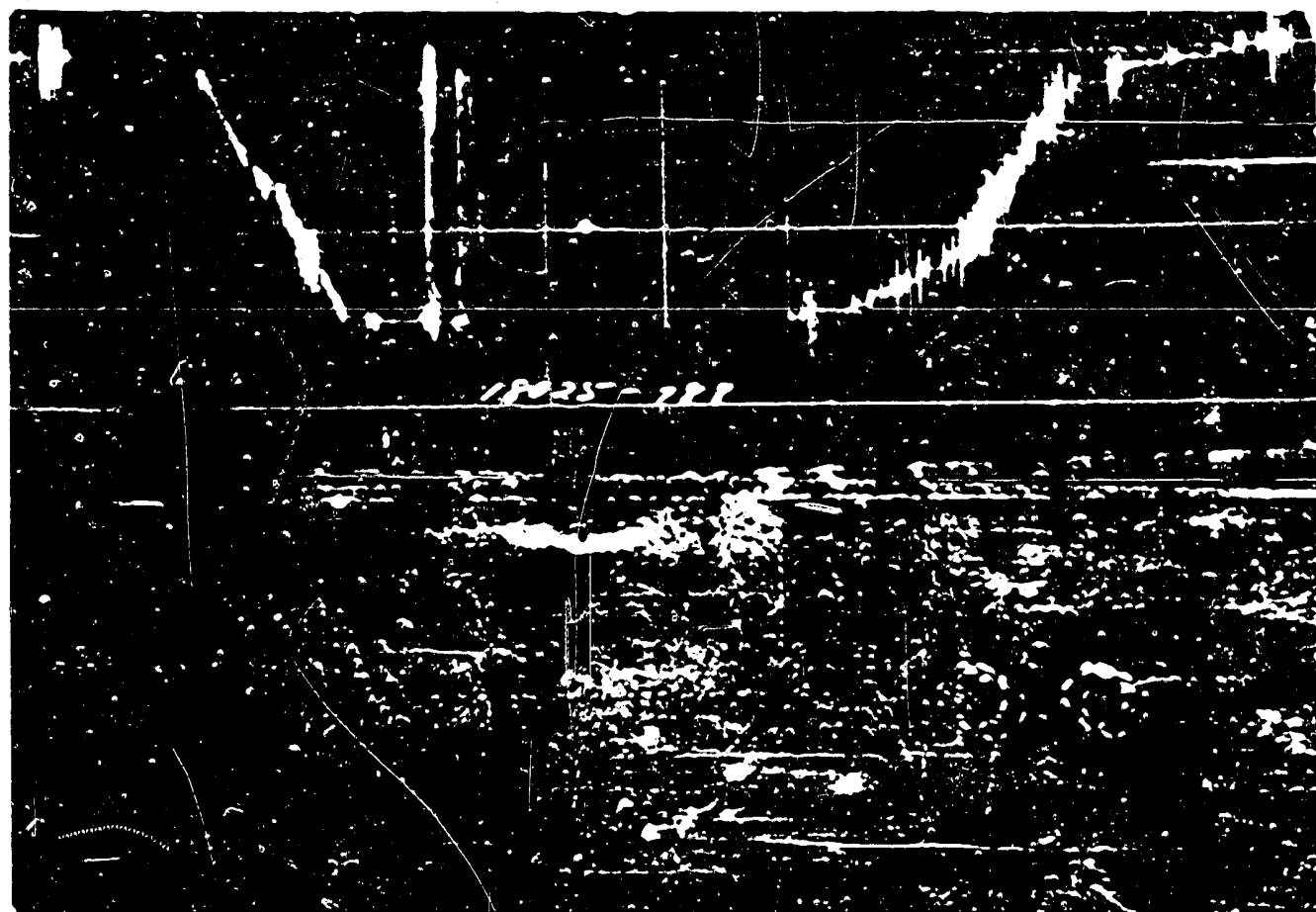


TIME

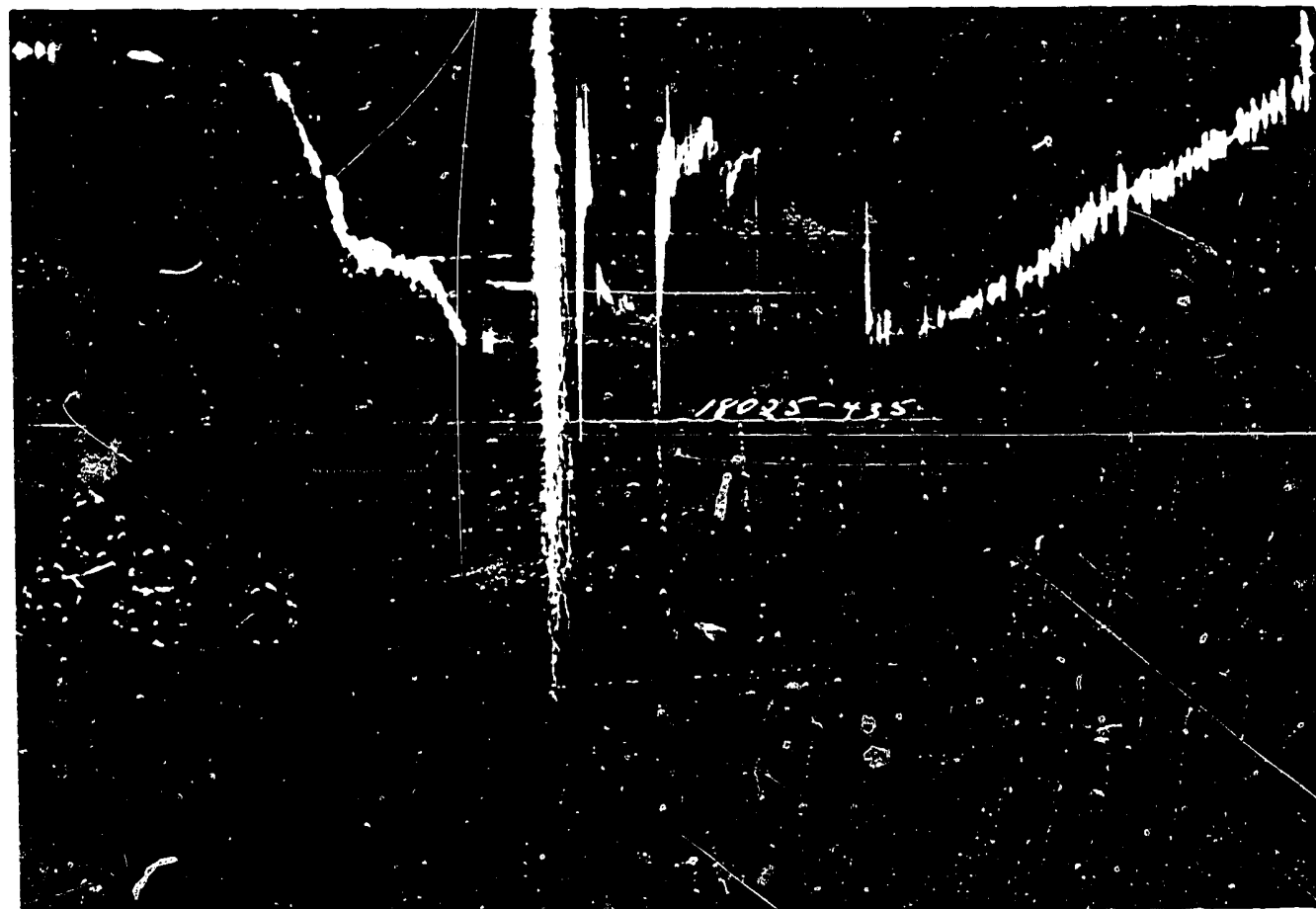


Each Horizontal Line Equal to 1000 p.s.i.

PRESSURE



TIME



Each Horizontal Line Equal to 1000 p.s.i.

TEMPERATURE RECORD

Each concentric line
equals 10°F.

Temperature increases
outwardly

Ticket No T 18025

Temperature Range °F

70 °F to 170 °F

A to B — Initial CIP

B to C — 2nd Flow

C to D — Final CIP

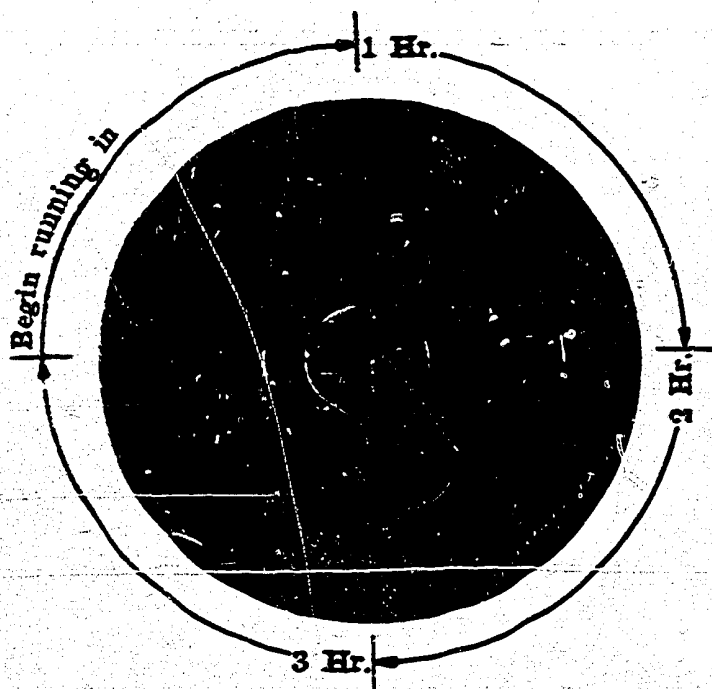
A °F

B °F

C MAX °F

D 118 °F

2844'



HOWCO 521020

TEMPERATURE RECORD

Each concentric line
equals 10 F
Temperature increases
outwardly

Ticket No. 1 - 2025

Temperature Range F

70 F to 170 F

A to B — Initial CIP

B to C — 2nd Flow

C to D — Final CIP

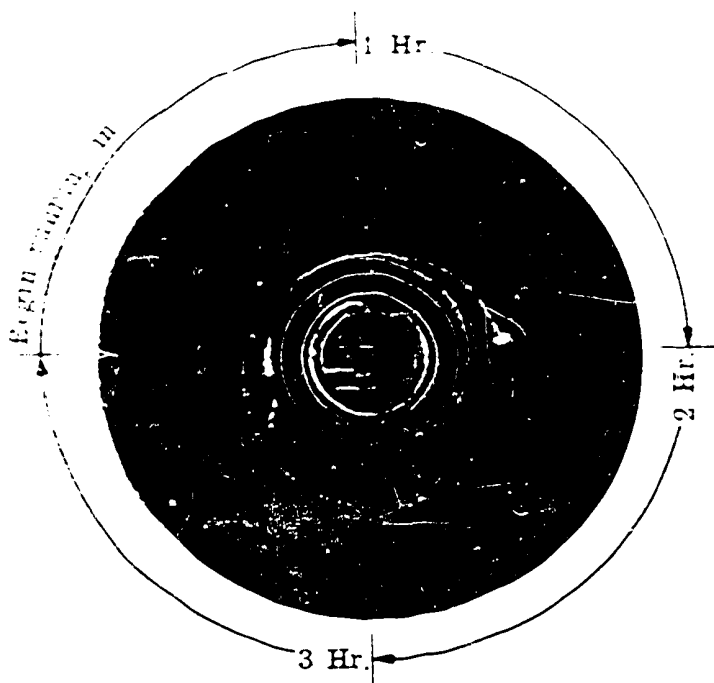
A F

B F

C MAX F

D 11.8 °F

2844'



HOWCO 521020

Depth Top Gauge	2840	Fe.	Blanked Off	No	Date	December 21, 1968	Ticket No.	TL-025
ST P.R.D. No.	788		12 Hr. Check	3322	Kind of Job	Bottom Hole	HOWCO District	High Level
Pressure Readings	Field		Office Corrected		Tester	W. Wolodko	Witness	J. Telfer
Initial Hydro Mud Pressure	1505			1529	Contractor	Vandergrift Oil & Gas Enterprises Ltd.		
Initial Closed in Pressure	1256			1264	K.B. Elevation	Top Packer Depth	2457	Bottom Packer Depth
Initial Flow Pressure	130			148	Total Depth	2960	Casing Perforations	Top Bottom
Final Flow Pressure	154			160	Interval Tested	2857-2960	Formation Tested	Keg River
Final Closed in Pressure	1016			1034	Casing or Hole Size	8 5/8	Liner or Rathole Size	6 1/4
Final Hydro Mud Pressure	1505			1529	Size Surface Choke	3/4	Size Bottom Choke	5/8
					Size and Type Well Packer	7 1/2 ES		
Depth Centre Gauge		Fe.	Blanked Off		Size Drill Pipe	4 1/2 X.H.	10 and Length Drill Collars	2 1/2 x 210
ST P.R.D. No.			No. Check		Anchor I.D. Size O.D.		Amount-Type of Cushion	
Pressure Readings	Field		Office Corrected		Casing Depth Yrns.	122	"F. mass. Mud "F. est. Weight	10.4
Initial Hydro Mud Pressure					All Depths Measured From	K.B.	No. Folders Reproduced	11
Initial Closed in Pressure					Time Periods (Minutes)			
Initial Flow Pressure					1st Flow	5	Initial CIP	30
Final Flow Pressure					2nd Flow	60	Final CIP	60
Final Closed in Pressure					Recovered	250	Feet of Gas cut mud.	
Final Hydro Mud Pressure					Recovered	25	Feet of Gas cut oil flecked mud.	
					Recovered		Feet of	
					Recovered		Feet of	
Depth Bottom Gauge	2956	Fe.	Blanked Off	Yes	Oil Recovery Degrees API		Water Recovery Specific Gravity	
ST P.R.D. No.	435		24 Hr. Check	7371	REMARKS: Skidded tool. Tool opened and lost			
Pressure Readings	Field		Office Corrected		approximately 2 bbl's mud in annulus. Pulled			
Initial Hydro Mud Pressure				1588	up - filled hole and reopened tool with weak			
Initial Closed in Pressure				1479	air blow, increasing slightly after 10 minute			
Initial Flow Pressure					Tool open for second flow with very weak blow			
Final Flow Pressure				671	increasing slightly and remaining steady			
Final Closed in Pressure				1102	throughout. Charts indicate plugging			
Final Hydro Mud Pressure				1588	perforations.			

LOCAL DESCRIPTION 1160 51' 3.4 SEC. N.

FIELD OR AREA CAMERON HILLS

PROVINCE NORTH WEST TERRITORIES

CANSO ET AL NORTH CAMERON HILLS

Well No. 1

TOOL NO. 1

DATE'S DRIFT

UNITED CANSO OIL & GAS LTD.

D.S.T. TOOL DATA

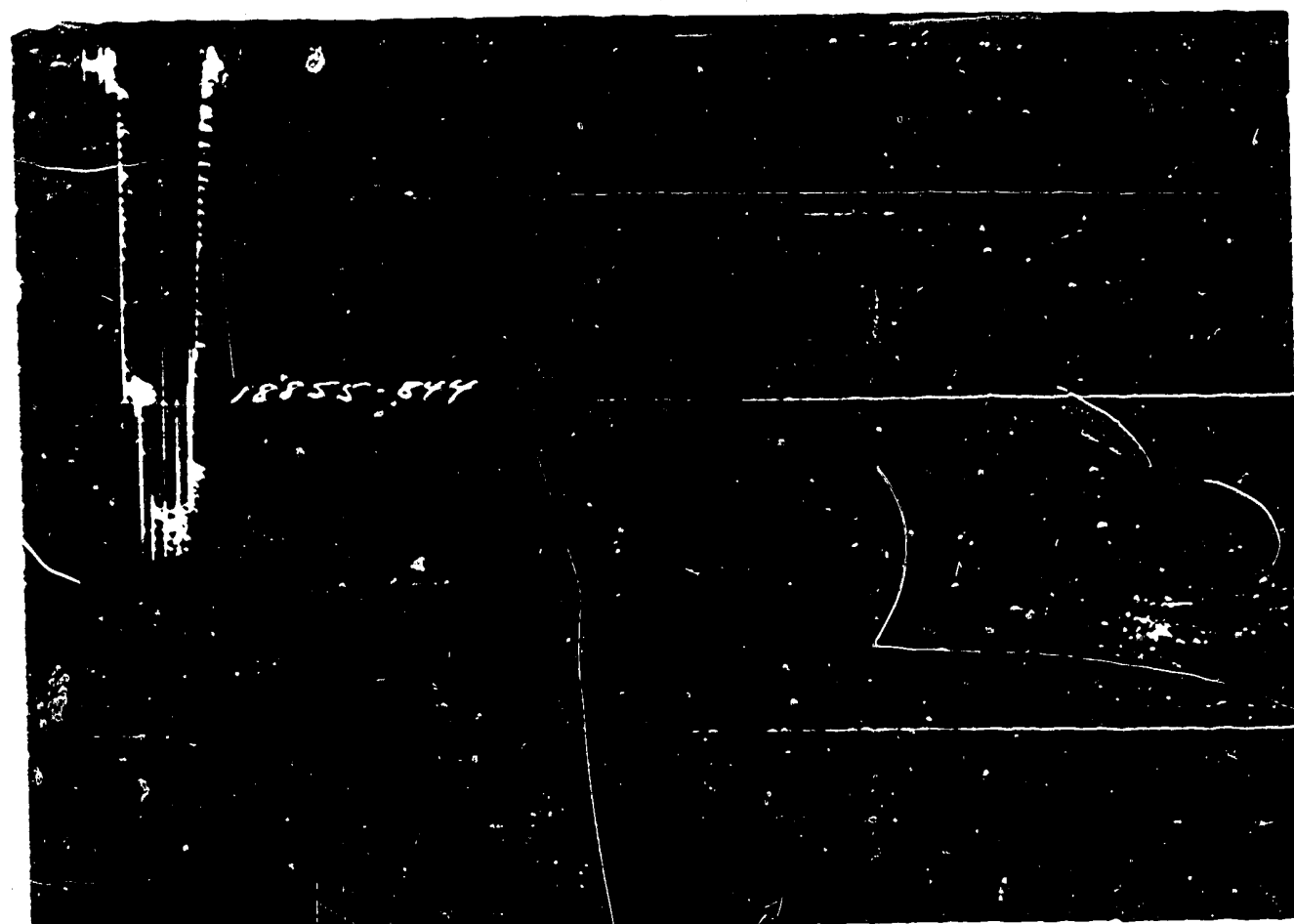
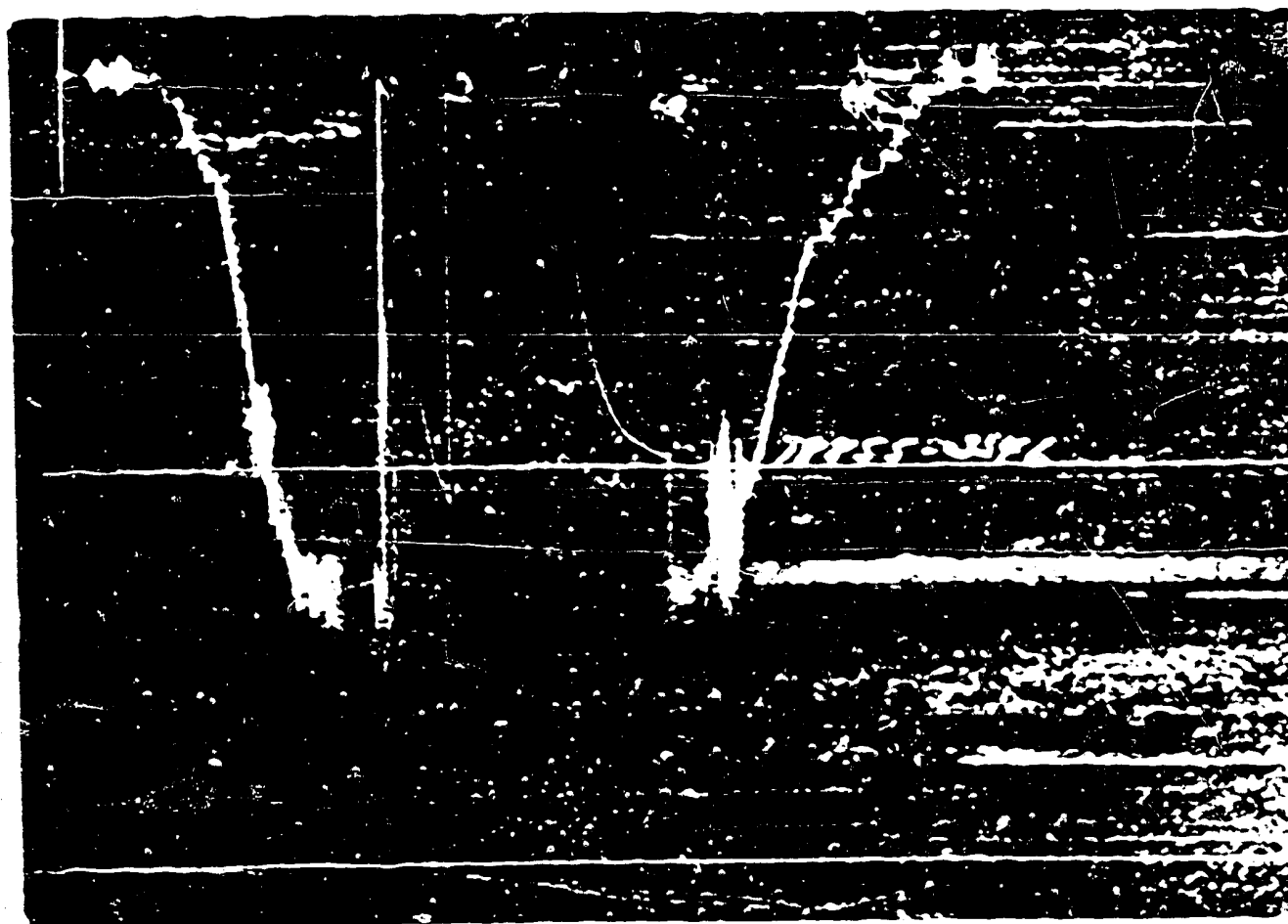
TICKET: 14025

Testing String Sequence	Length Each Component	O.D. Each Component
4 1/2 Reg x 4 1/2 F.H. double pin sub	1.00	
4 1/2 F.H. pump out sub	1.00	
4 1/2 F.H. x 3 1/2 F.H. cross over	1.00	
D.C.I.P.	6.00	
Hydrospring	5.00	
Jars	5.00	
B.T. pressure recorder	4.00	
B.T. temp recorder	1.50	
Safety joint	2.00	
Packer	4.00	
Packer	4.00	
Perforations	19.00	
3 1/2 F.H. x 4 1/2 X.H. cross over	1.00	
4 1/2 X.H. drill pipe	31.50	
4 1/2 X.H. drill pipe	30.80	
4 1/2 X.H. x 3 1/2 F.H. cross over	1.00	
Perforations	15.00	
Bottom pressure recorder	4.00	
Total interval 2857 - 2960 (103')		
Total tool - 74.20'		
Tool and drill pipe - 136.50'		

PRESSURE

TIME

Each Horizontal Line Equal to 1000 p.s.i.



Each Horizontal Line Equal to 1000 p.s.u.

LEGAL DESCRIPTION 116° 08' 24.24" N.L.
60° 57' 47.79" W.L.

FIELD OR AREA

CAHERON HILLS N.

PROVINCE NORTH WEST TERRITORIES

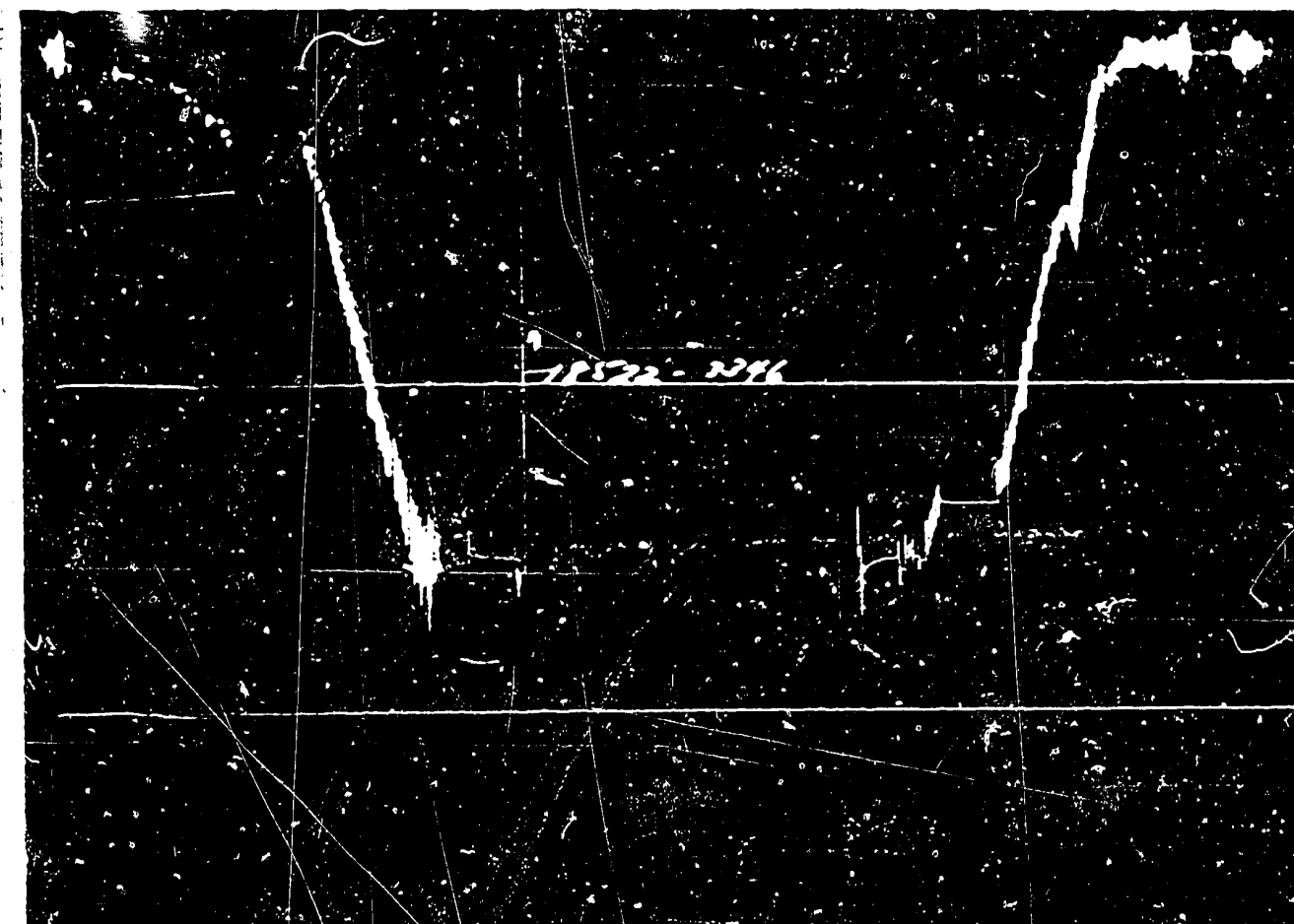
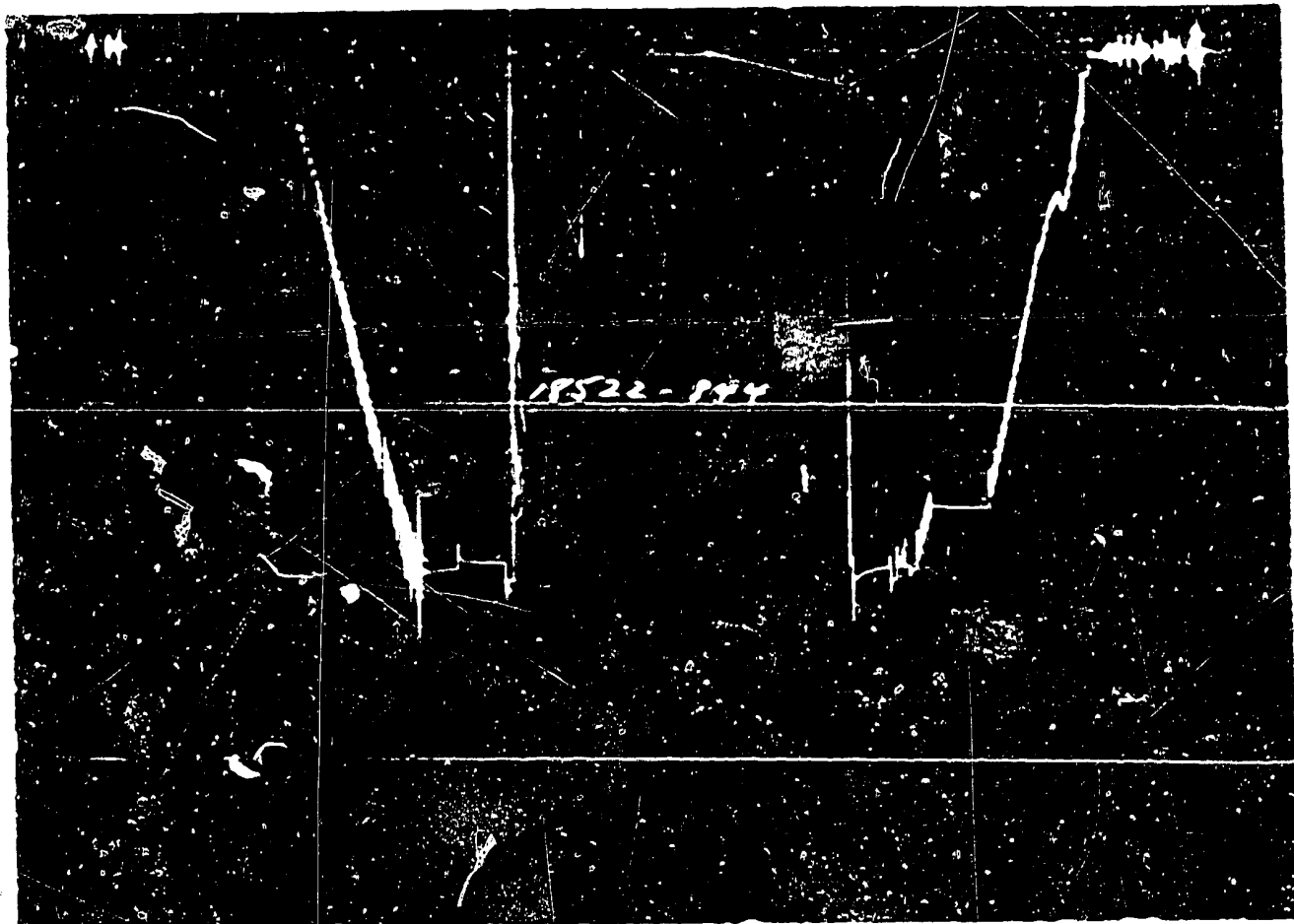
Depth Top Gauge	2464 Ft.	Blanked OFF	No	Date	March 9, 1969	Ticket No.	TL8845
BT P.R.D. No.	3346	Blanked OFF	12 Mr. Clock	Kind of Job	Bottom Hole	HOWCO	District High Level
Pressure Readings	Field	Office Corrected		Tester	F. Walsh	Witness	J. Telfer
Initial Hydro Mod Pressure	1272		1288	Contractor	General Petroleum Drilling Co. Ltd.		
Initial Closed in Pressure	1084		1094	K.E. Elevation	Top Packer Depth	2475	Bottom Packer Depth
Initial Flow Pressure	37		53	Total Depth	2600	Casing Perforations	Top Bottom
Final Flow Pressure	75		82	Interval Tested	2480-2600	Formation Tested	Tight Hole
Final Closed in Pressure	1028		981	Casing or Hole Size	8 3/4	Liner or Bathole Size	
Final Hydro Mod Pressure	1290		1307	Size Surface Choke	3/4	Size Bottom Choke	5/8
				Size and Type Well Packer	7 1/2"		
Depth Centre Gauge		Blanked OFF		Size Drill Pipe	4 1/2 X.H.	ID and Length Drill Collar	2 7/8" X 492.86'
BT P.R.D. No.			No. Clock	Anchor I.D. Size	O.D.	Amount-Type of Cushion	
Pressure Readings	Field	Office Corrected		Gauge Depth Tens.	"F. max. Mod "F. ext. Weight	Mod V. quality	160
Initial Hydro Mod Pressure				All Depths Measured From	K.B.	No. Folders Reproduced	11
Initial Closed in Pressure				Time Periods (Minutes)			
Initial Flow Pressure				1st Flow	5	Initial CIP	30
Final Flow Pressure				2nd Flow	60	Final CIP	60
Final Closed in Pressure				Recovered	3	Feet of Mud.	
Final Hydro Mod Pressure				Recovered		Feet of	
				Recovered		Feet of	
				Recovered		Feet of	
Depth Bottom Gauge	2596 Ft.	Blanked OFF	Yes	Oil Recovery Degrees API		Water Recovery Specific Gravity	
BT P.R.D. No.	844		3360 12 Mr. Clock	REMARKS: Open tool at 11.05 with good air			
Pressure Readings	Field	Office Corrected		blow. Close tool at 11.10. Open tool at			
Initial Hydro Mod Pressure				11.40 with good air blow to gas in 2 minutes.			
Initial Closed in Pressure				Close tool at 12.40.. Pulled loose at 1.40.			
Initial Flow Pressure	Clock		stopped.				
Final Flow Pressure							
Final Closed in Pressure							
Final Hydro Mod Pressure							

← PRESSURE →

← TIME →

18522 - 2746

Each Horizontal Line Equal to 1000 p.s.i.



Each Horizontal Line Equal to 1000 p.s.i.

TEMPERATURE RECORD

Each concentric line
equals 10 F
Temperature increases
outwardly

Ticket No. T 185-2

Temperature Range F

70 F to 170 F

A to B — Initial CIP

B to C — 2nd Flow

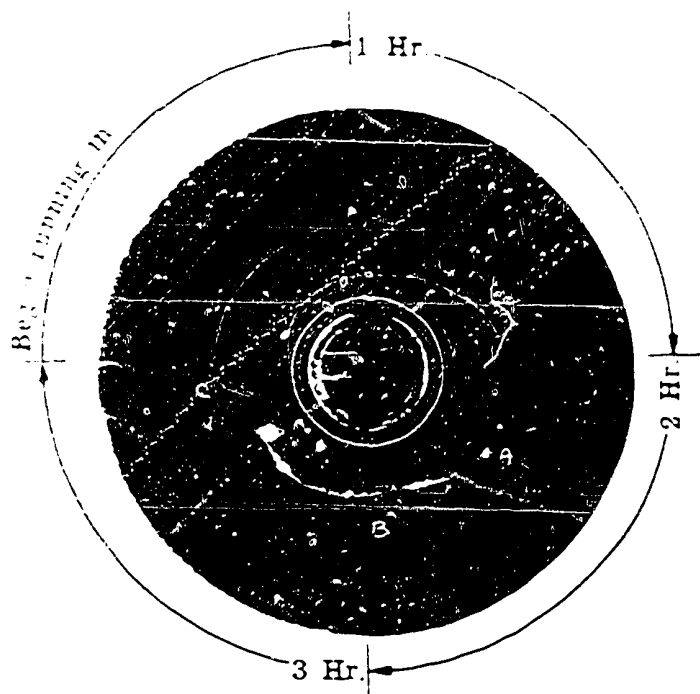
C to D — Final CIP

A 110 F

B 113 F

C 114 F

D 115 F



TEMPERATURE RECORD

Each concentric line
equals 10°F.

Temperature increases
outwardly

Ticket No T. 18522

Temperature Range °F

70 °F to 170 °F

A to B — Initial CIP

B to C — 2nd Flow

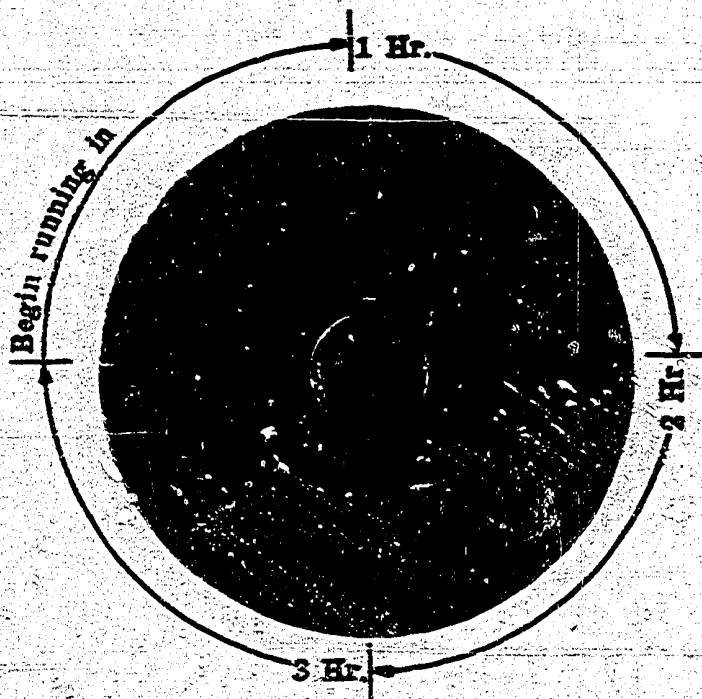
C to D — Final CIP

A 110 °F

B 113 °F

C 114 °F

D 115 °F



HOWCO 521020

Depth Top Gauge	2547 Ft.	Blanked Off	No	Date	March 16, 1969	Ticket No.	TL8522
ST P.R.D. No.	844	12 Hr. Clock	5322	Kind of Job	Bottom Hole	HOWCO District	High Level
Pressure Readings	Field	Office Corrected		Tester	W. Wolodko B. Bauer	Witness	J. Telfer
Initial Hydro Mud Pressure	1467	1459		Contractor	General Petroleum Drilling Co. Ltd.		
Initial Closed in Pressure	595	595		N.B. Elevation	1134	Top Packer Depth	2860 Bottom Packer Depth
Initial Flow Pressure	9	14		Test Depth	2995	Casing Perforations	Top Bottom
Final Flow Pressure	17	18		Interval Tested	2860-2995	Formation Tested	Keg River
Final Closed in Pressure	103	99		Casing or Hole Size	8 3/4"	Liner or Rathole Size	
Final Hydro Mud Pressure	1467	1467		Size Surface Choke	3/4"	Size Bottom Choke	5/8"
				Size and Type Well Packer	7 3/4 ES		
Depth Centre Gauge	Ft.	Blanked Off		Size Drill Pipe	4 1/2 X.H.	ID and Length Drill Collars	2 7/8" x 300'
ST P.R.D. No.		No. Clock		Anchor I.D. Size O.D.		Amount-Type of Cushion	
Pressure Readings	Field	Office Corrected		Gauge	115	*F. max. Mud *F. out. Weight	9.8
Initial Hydro Mud Pressure				All Depths Measured From	K.B.	No. Folders Reproduced	11
Initial Closed in Pressure				Time Periods (Minutes)			
Initial Flow Pressure				1st Flow	3	Initial CIP	30
Final Flow Pressure				2nd Flow	60	Final CIP	60
Final Closed in Pressure				Recovered	10	Feet of Drilling mud.	
Final Hydro Mud Pressure				Recovered		Feet of	
				Recovered		Feet of	
				Recovered		Feet of	
Depth Bottom Gauge	2991 Ft.	Blanked Off	Yes	Oil Recovery Degrees API		Water Recovery Specific Gravity	
ST P.R.D. No.	3346	12 Hr. Clock	7915	REMARKS: Tool open at 2.12 with weak air blow.			
Pressure Readings	Field	Office Corrected		Tool open for second flow with weak blow			
Initial Hydro Mud Pressure	1545	1538		remaining steady throughout.			
Initial Closed in Pressure	664	667					
Initial Flow Pressure	75	85					
Final Flow Pressure	94	90					
Final Closed in Pressure	178	173					
Final Hydro Mud Pressure	1535	1541					

CANSO ET AL N. CANYON HILLS E 69
 60° 08' 24.24" N.L.
 116° 57' 47.79" W.L.
 FIELD OR AREA CANYON HILLS N.
 CALGARY
 2
 UNITED CANSO OIL & GAS LTD.
 PROVINCE NORTH WEST TERRITORIES

DAILY DRILLING LOG
DIRECTIONS TO RT 4
WELL 150 RT 4

RIG NO. 12 LOCATION CANSO ET-AL CAMERON HILLS LSD. E69 SEC. _____ TWP. _____ RGE. _____ W. _____ DATE MARCH 17 1968
OF BORDER MAILING POINT INDIAN CABINS SHIPPING POINT INDIAN CABINS MILES MOVED 512 ROAD CONDITIONS GOOD

LOG																		REMARKS										TIME						
From		Footage		To		Hrs. on Bottom		Wt. Drill Pipe (1000 lbs.)		Stands		Singles		DRILL COLLARS		No.		O.D.		I.D.		Length		Air Wt.		Sub. Wt.		C.B. Ft.		Ft. up on Kelly		START	STOP	INTVL.
																		Rig SERVICE										1200	1215	1/4				
																		UNLOADED CEMENT										1215	100	3/4				
																		RUN IN HOLE OPEN END										100	215	1/4				
																		BLOW KELLY BREAK CIRC										215	230	1/4				
																		CIRC.										230	400	1 1/2				
																		RUN CEMENT Plug #1										400	600	2				
																		LAD DOWN D/PIPE										600	800	2				
																		RAN PLUG #1- 2250-2375- 2750 Wt. 45 1/2 GEL.																
																		IN TWO STAGES																
																		FIRES N/A																
																		FINNISH LANDING DOWN PIPE										800	830	1/2				
																		RUN IN 550 1.5 GEL										830	845	1/4				
																		BLOW KELLY AND CIRC										845	1000	1 1/2				
																		RUN CEMENT Plug #2										1000	1030	1/2				
																		LAD DOWN D/PIPE										1030	1130	1				
																		W.O.C.										1130	4100	4 1/2				
																		PLUG #2- 250 TO 350 - 50 BAGS CEMENT + 2 1/2 GEL																
																		PLUG DOWN @ 1030 AM.																
																		FIRES																
																		V.O.C.										4100	615					
																		Run in at FEEL plug										615	630					
																		Lay down Pipe										630	700					
																		Lay down B.A.P.										700	830					
																		Tear out										830	1200					
																		FELT Plug #2 @ 255' @ 630 PM.																
																		FIRES Rig released @ 1200 PM - 17 APR 17/69																
																		EQUIPMENT CHANGES																
																		TRANSFER #																
																		CASING REPORT																
																		TO 3055 KB. USED 200 SAX CEMENT																
																		PLUS 3 % CC PLUG DOWN 415 P.M.																
																		CEMENT RETURNS - (YES/NO) YES																
																		GENERAL																
																		APPROVED BY OPERATOR'S REPRESENTATIVE																
																		APPROVED BY TOOPUSHER																

CONSERVATION BOARD COPY

GP-87527

RIG NO. 12 LOCATION CANSO FT-AL CAMERON HILLS LSD E69 SEC. _____ TWP. _____ RGE. _____ W. _____ DATE MARCH 16 1967
 EAST OF BORDER MAILING POINT INDIAN CABINS SHIPPING POINT INDIAN CABINS MILES MOVED 512 ROAD CONDITIONS GOOD

DAILY DRILLING LOG
DIRECTIONS TO WELL 4 N

[illegible]

M U D				P U M P				P U M P				M O T O R H O U R S		N e x t O i l C h a n g e
12 m n.	2 a.m.	4 a.m.	6 a.m.	12 m n.	2 a.m.	4 a.m.	6 a.m.	12 m n.	2 a.m.	4 a.m.	6 a.m.			
W E I G H T				N o. 1 P R E S - S U R E				N o. 2 P R E S - S U R E				6306		6898
V I S C O S I T				M O D E L S. P. W.				M O D E L S. P. W.				7036		7094
G E L				L I N E R S I Z E				L I N E R S I Z E				6150		6830
W. L.				D E S I L T E R: H o u r s O p:				U. F l o w:				O. F l o w:		
F. C.				p. R.								S U R V E Y S		
A D D I T I V E S.				G E N E R A L								A t F e e t		D e g r e e s
												2992		2973
												6182		6400
												W e a t h e r S W U W Y		W a t e r
												T e m p. 00		200
														B b i s.

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Feet or		At Miles	Date		Next Slip	Ft. Left on Spool
								Slip	Cut		Slip or Cut			
		WRIGHT	56313	8			2600	40	40	3324	3-11-69	3843	1929	

TOUR	From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stand-	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly
									6	6 3/4	2 7/8	160.7				
					42				8	6 1/2	2 7/8	249.2		30		

[illegible]

A M T O	MUD	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP				PUMP				MOTOR HOURS	Next Oil Change			
	WEIGHT				No. 1	PRES-SURE					No. 2	PRES-SURE						
VISCOSITY	125				MODEL	S.P.M.	Yes				MODEL	S.P.M.						

4 P M	GEL										LINER SIZE		LINER SIZE		3	6250	6250									
	W.L.		F.C.		pH.		DESILTE: Hours Op:		U. Flow:		O. Flow:		SURVEYS													
													At Feet	Degrees	47.8	47.7										
	ADDITIVES										GENERAL										2492	1"	8240	8260		
																							Weather	62.5	Water	0

										Temp. +10		150	
Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1	WRIGHT	36313	8	1	62	3636	40	40	3324	3-11-49	3843	1929

TOUR	From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Fr. vp 21 Kelly
									6	6 3/4	2 7/8	150.0		30		
									8	6 1/4	2 7/8	249.6				
	No.	Size	Type	Jobs W.C.	Serial No.	Wt.	Drill or Corod	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table		

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	5
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M	MA UD	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.	TOTAL HOURS	Change
	WEIGHT					No. 1	PRES-SURE					No. 2	PRES-SURE			6832	6896
	VISCOSITY		Test			MODEL	S.P.M.		Test			MODEL	S.P.M.			7052	7094
	GFI						LINER SIZE						LINER SIZE			6766	6860

W.L.		F.C.		pH.	DESILTER: Hours Op:	U. Flow:	O. Flow:	SURVEYS	
								At foot	Degrees
ADDITIVES:				GENERAL:				298	21°
Anti-Freeze				wood in all Motor				56772	29
								56798	28
								Weather	Clear

T	To 60 Below										Temp	10	8b	
	Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Dr. Well on Scale
		1	WILCOX	56313	8			3626	40	40	3324	5-11-69	3842	129
		Elapsed	Pres-	Packing & Seal	Crown-a-matic	Fuel on Hand 12.01 gal	1441	gals.	CASING REPORT					

B.O.P.	tested	Time	sure	Inspected Date	Chk'd.	Fuel on Hand 12:00 a.m.	gals.	RAIN
Hydriil	O.K.	15:00	1200		Rig Savers	Fuel Rec'd. Today (add)	gals.	
Pipe Rams.	O.K.	15:00	1200		Chk'd.			
Blind Rams.	O.K.	15:00	1200		Kelly Coch	TOTAL	gals.	
					Chk'd.	Fuel on Hand 11:59 a.m. (deduct)	gals.	

TO 305.5 KB. USED 200

PLUS 3 % CC PLUG DOWN

TOTCO RING ON BIT #	Boiler Operated: 24 Hrs.	Fire Equip. Chkd. ☒	FUEL USED 220 gals.	CEMENT RETURNS - (YES / NO)
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CONSERVATION BOARD COPY

REMARKS	TIME		
	START	STOP	INTVL
Logging.	12 ⁰⁰	7 ³⁰	7 1/2
Rig OUT SCHLUMBERGER	7 ³⁰	8 ⁰⁰	1/2

INDIRECT/ E-LOG - FROM T.D TO 305'
SONIC-CAMPA RAY - FROM T.D TO 305'
DENSITY-CAMPA W/OILING - FROM T.D TO 2250'

FIRES	NIL	<i>E. Olson</i>
		DRILLER'S SIGNATURE

WAIT ON ORDERS	80	10002
----------------	----	-------

Rig UP PAKER	10 ⁰⁰	11:13	1 1/4
RUN IN D.S.T #2 (SLOW)	11:15	1:15	2

Head up and Blow Flare line 1/15	2'15	1
7. + RT#2 2760E 2995	2'15	400 13

TEST - 1131	2 - 2000 TO 2115	2115	1100	1100
SINGLE PACKED-BOTTOM HOLE TEST				
PRELIM- 3' - F.S.I. - 30' F.P. 60' F.S.I. - 60'				

WEAK AIR BLOW STEADY THROUGH - N.C.T.S.
FIRES ~~RECEIVED~~ ¹⁰ DRILLER'S SIGNATURE *H. W. Smith*

	I.H.P. - 141.7	F.H.P. - 142.7			
Test	E.S.I.P. 59s	P.S.I.P. 103"	4:00	5:30	1
	E.P. 2K	E.P. 17"			

	L.F.V. 9	R.F.V. 11			
Hoist test			6:30	8:30	2

WAIT ON GROSS	8:30	8:30	1
TEAR DOWN PACKER	8 ³⁰	9 ³⁰	1

Clean suction tank and Rig			
up to lay down collars	9:30	10:00	1/2

Lay down collars		10:00	12:00	3
FIRES				
95%	EQUIPMENT CHANGES			TRANSFER #

JTS 1/8	CSG			
SAX CONT.	CEM			
4:15 P.M.				
DAYS FROM SPUD:		STAT TOTAL		TOTAL CONTRACTOR'S

GENERAL —	DATE	TIME	HR
	Approved by		
	Operator's		
	Representative		

Approved by *M. Donald*
Teclpusher

GR 87626

GENERAL PETROLEUMS DRILLING LTD.

DAILY DRILLING LOG

DIRECTIONS TO WELL NORTH 10 NORTH WEST OF BORDER

RIG NO. 12

LOCATION

CANDS ET AL CAMERON HILLS

E69

SEC

TWP.

RGE.

W.

DATE

MARCH 15 1969

MAILING POINT

INDIAN CABINS

SHIPPING POINT

INDIAN CABINS

MILES MOVED

512

ROAD CONDITIONS

Good

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly
2991				64	41			8	6 3/4	2 7/8	180 25		30		27
PUMP 12 m. 2 a.m. 4 a.m. 6 a.m. PUMP 12 m. 2 a.m. 4 a.m. 6 a.m. MOTOR HOURS															
WEIGHT 9.8 9.8 9.8 9.8 No. 1 PRE-SURE 250 250 250 250 No. 2 PRE-SURE															
VISCOSITY 65 65 65 65 MODEL S.P.M. 60 60 60 60 MODEL S.P.M.															
GEL 250 LINER SIZE 5 1/2 X 15 LINER SIZE															
W.L. 7.2 F.C. 3/32 pH. 10.5 DESILTER: Hours Op: U. Flow: O. Flow: SURVEYS															
ADDITIVES: GEL 1000 GENERAL: 2992 1° Weather: CLEAR Water 150 Temp. 10° Bbls.															
Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool			
2995	1	WRIGHT	36313	8	1	60	5224	40	40	3-24-69	3843	1929			
PUMP 8 a.m. 10 a.m. 12 noon 2 p.m. PUMP 8 a.m. 10 a.m. 12 noon 2 p.m. MOTOR HOURS															
WEIGHT 9.8 9.8 9.8 9.8 No. 1 PRE-SURE 250 250 250 250 No. 2 PRE-SURE															
VISCOSITY 65 65 65 65 MODEL S.P.M. 60 60 60 60 MODEL S.P.M.															
GEL 250 LINER SIZE 5 1/2 X 15 LINER SIZE															
W.L. 7.2 F.C. 3/32 pH. 10.5 DESILTER: Hours Op: U. Flow: O. Flow: SURVEYS															
ADDITIVES: GEL 1000 GENERAL: 2992 1° Weather: CLEAR Water 150 Temp. 10° Bbls.															
Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool			
2995	1	WRIGHT	36313	8	1	60	5224	40	40	3-24-69	3843	1929			
PUMP 4 p.m. 6 p.m. 8 p.m. 10 p.m. PUMP 4 p.m. 6 p.m. 8 p.m. 10 p.m. MOTOR HOURS															
WEIGHT 9.8 9.8 9.8 9.8 No. 1 PRE-SURE 250 250 250 250 No. 2 PRE-SURE															
VISCOSITY 65 65 65 65 MODEL S.P.M. 60 60 60 60 MODEL S.P.M.															
GEL 250 LINER SIZE 5 1/2 X 15 LINER SIZE															
W.L. 7.2 F.C. 3/32 pH. 10.5 DESILTER: Hours Op: U. Flow: O. Flow: SURVEYS															
ADDITIVES: GEL 1000 GENERAL: 2992 1° Weather: CLEAR Water 150 Temp. 10° Bbls.															
Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool			
2995	1	WRIGHT	36313	8	1	60	5224	40	40	3-24-69	3843	1929			
PUMP 4 p.m. 6 p.m. 8 p.m. 10 p.m. PUMP 4 p.m. 6 p.m. 8 p.m. 10 p.m. MOTOR HOURS															
WEIGHT 9.8 9.8 9.8 9.8 No. 1 PRE-SURE 250 250 250 250 No. 2 PRE-SURE															
VISCOSITY 65 65 65 65 MODEL S.P.M. 60 60 60 60 MODEL S.P.M.															
GEL 250 LINER SIZE 5 1/2 X 15 LINER SIZE															
W.L. 7.2 F.C. 3/32 pH. 10.5 DESILTER: Hours Op: U. Flow: O. Flow: SURVEYS															
ADDITIVES: GEL 1000 GENERAL: 2992 1° Weather: CLEAR Water 150 Temp. 10° Bbls.															
B.O.P. Tested Elapsed Time Pressure Packing & Seal Inspected Date Crown-o-matic Chk'd. Fuel on Hand 12.01 a.m. 1875 gals. CASING REPORT RAN 7 ITS 9379 CSG															
Hydril OK 15:00 12:00 Rig Severs Chk'd. Fuel Rec'd Today (add) gals. TO 305.5 KB. USED 200 S.C.P.T. CEM															
Pipe Rams OK 15:00 12:00 Kelly Cock Chk'd. Fuel on Hand 11.59 p.m. (deduct) 1441 gals. PLUS 3 CC PLUG DOWN 415 A.M. P.M.															
Blind Rams OK 15:00 12:00 Fire Equip. Chk'd. FUEL USED 634 gals. CEMENT RETURNS (YES/NO) GENERAL															
TOTCO RING ON BIT = Boiler Operated: 24 Hrs.															

REMARKS

START	STOP	INTVL.
1200	130	1 1/2
130	430	3
430	800	3 1/2

CURE WAIT ON LOG TRUCK
O TRIP CHANGE BIT
CURE WAIT ON LOG TRUCK

FIRES Nil
CURE WAIT ON LOG TRUCK
DRILLER'S SIGNATURE: J. Olson

FIRES Nil
DRILLER'S SIGNATURE: J. Olson

Cure. Wait on log truck 4:00 8:00 4

Hoist pipe to log 8:00 9:30 1 1/2

Rig up logging unit 9:30 10:00 1/2

Logging 10:00 12:00 2

FIRES Nil
DRILLER'S SIGNATURE: J. Olson

EQUIPMENT CHANGES
TRANSFER #

DAYS FROM SPUD: TOTAL COMPANY TIME HRS. TOTAL CONTRACTOR'S TIME HRS.

Approved by Operator's Representative: J. Olson

Approved by Toolpusher: J. Olson

DAILY DRILLING LOG
DIRECTIONS TO
WELL *# 1007*

RIG NO. 12 LOCATION CALSO FT-AL CANYON HILLS LSD. 2-69 SEC. _____ TWP. _____ RGE. _____ W. _____ DATE MARCH 14 1969
of Border MAILING POINT INDIAN CANYON SHIPPING POINT INDIAN CANYON MILES MOVED 512 ROAD CONDITIONS Good

CONSERVATION BOARD COPY

GP-87674

DAILY DRILLING LOG
DIRECTIONS TO
WELL 4 North

RIG NO. 12

LOCATION

CANSONET-AL Cameron hills SD. ELY SEC.

TWP

RGE

W.

DATE March 13 1967

ROAD CONDITIONS

Good

[illegible]

CONSERVATION BOARD COPY.

GP-87673

DAILY DRILLING LOG
DIRECTIONS TO 4th Well

RIG NO. 12

LOCATION CHINGO ET AL CAMP ON HILLS

LSN. _____ SEC. E-67 T _____

... RGE_____ W.

DATE MARCH 12

1969

MAILING POINT INDIAN CHAIN

SHIPPING POINT Indian Creek

MILES MOVED 512

ROAD CONDITIONS Good

GP. 87672

DAILY DRILLING LOG
DIRECTIONS TO H/12/0
WELL

RIG NO. 12 LOCATION CANISO E.T. ALCAMERON HILLS TSD. E-69 SEC. 1 TWP. 1 RGE. 1 W. 1 DATE March 11 1969
 1 of Boulder INDIAN CROWN SHIPPING POINT INDIAN CROWN MILES MOVED 512 ROAD CONDITIONS Good

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft	Ft. up on Kelly		
2763	23	2786	3 1/4	70	33	1		16	6 3/4	2 7/8	1800		411		8		
No.	Size	Type	Len./W.C.	Serial No.	Wt.	R.P.M.	Drilled Pipe	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	r.	b.	c.
4	2 1/4	2V	3 1/2	922	160	260					1	1500	60		6	3	1
5	2 1/4	2V	3 1/2	923	160	260											
MUD	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.	MOTOR HOURS	Next Oil Change	
WEIGHT	9.6	4.6	9.5		No. 1	1200	1000			No. 2	1200	1000			6576	6898	
VISCOSITY	48	50	50		No. 1	60	60			No. 2	60	60			6916	7091	
					No. 1	15	15			No. 2	15	15			6631	6850	

W-2		10-0	F.C.	32	pH.	9.0	DESILTER: Hours Op:	U. Flow:	O. Flow:	SURVEYS		6760	6798
											At Feet	Degrees	
ADDITION:							GENERAL: P. Kar Tank sn 8	2786	134			6662	6500
											Weather	Clear	Water
											Temp.	20	15
													Sbls

Drilling Line Record	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip or Cut	At Miles	Date Slip or Cut	Next Slip	Pl. Lost or Spoil
1	Ward	56313	8	72	26	3324	25 : 25	3041	3-6-64	3343	1964

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	Sub. H.	Kelly
181	41	2827	5 1/2	70	34	—		6	6 3/4	27	180.14				
								16	6 1/4	19	492.86		44		Down

[illegible][illegible]

W. L. 134	F.C. 432	D.H. 8.5	DESILTER: Hours Op.	U. Flow	O. Flow	At Feet	Deposits
GENERAL	GENERAL	GENERAL	GENERAL	GENERAL	GENERAL	2186	1 1/2
Weather: SUNNY	Water	200					
Temp. 43.5	8b						
Date	Next	Ft. Lef.					

Dilling Line Record	Site	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip or Cut	At Miles	Slip or Cut	Ship on Spot		
	1	WRIGHT	56315	8	12	26	3350	40	40	3324	3-11-64	3843	1929

40	1	35	70	7 1/4	2892	65	2827	CRILL		44	28
								COLLARS	16		
16 2 1/4 2 1/4 49 2 1/2											

MU	PUMP				PUMP	PUMP				PUMP	PUMP				MOTOR HOURS	Next Oil Change
	2 p.m.	6 p.m.	8 p.m.	10 p.m.		4 p.m.	6 p.m.	8 p.m.	10 p.m.		4 p.m.	6 p.m.	8 p.m.	10 p.m.		
WEIGHT	7.8	7.8	9.8	9.6	No. 1	PRESS. SUPE	1000	1000	1000	No. 2	PRESS. SUPE	1000	1000	1000	1000	1000

[illegible]

Drilling Line	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Feet		At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
								or	Cut				
							3356	70	140	3024	5-11-64	3840	172

Record	7	Wk.	6	Sgs	3					
B.O.P.	Tested	Eloped Time	Pressure	Packing & Seal Inspected Date	Crown-a-matic Chk'd.	Fuel on Hand 12.01 a.m.	2388 gals.	CASING REPORT		RAN 7
Hyd-Fil	OK	15	12 ⁰⁰			Fuel Rec'd Today (add)	gals.			
Pipe Rams.	OK	15	12 ⁰⁰		Rig Savers Chk'd. ✓	TOTAL	gals.	TO 305.5 KB. USED		200
Blind Rams.	OK	15	12 ⁰⁰		Kelly Cock Chk'd. ✓	Fuel on Hand 11.59 p.m. (deduct)	1920 gals.	PLUS 3 % CC		PLUG DOWN

TOTCO RING ON BIT = 5	Boiler Operated: 24 Hrs.	Fire Equip. Chk'd. ☒	FUEL USED 46.8 gals.	CEMENT RETURNS - (YES/NO)
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REMARKS	TIME		
	START	STOP	INTVL
Drilling	12 ⁰⁰	12 ⁴⁵	3/4
CHANGE CAP GASKET ON PUMP	12 ⁴⁵	1 ⁰⁰	1/4
Drilling	1 ⁰⁰	1 ⁴⁵	3/4
WORKED PUMP NEW VALVE CAP GASKET	1 ⁴⁵	2 ⁰⁰	1/4
Drilling	2 ⁰⁰	3 ⁴⁵	1 3/4
SURVEY	3 ⁴⁵	4	1/4
PULLING OUT WORKING TIGHTHOLE	4	5 ¹⁵	1 1/4
PULLING OUT	5 ¹⁵	7	1 3/4
CHECK B.O.P. VALVES, RUNNING IN HOLE	7	8	1
FIRE	8		

DRILLER'S SIGNATURE		8'00"	8'15"	1'1/4"
FINNISH RUNING IN D.C.		8'00"	8'15"	1'1/4"
RIG SERVICE, SLIP & CUT LINE		8'15"	9'00"	3'1/4"
RUN IN 1/2 BIT. 4'5"		9'00"	10'15"	1'1/4"
BREAK CIRC AND READ TO		10'15"		
BOTTOM.			10'30"	1'1/4"
DRILLING 8 3/4" HOLE		10'30"	4'00"	5'1/2"

RAW JUNK SUB. Before Corrosion				
FIRES	012	J. Olson.		
		DRILLER'S SIGNATURE		
Big SERV.			4:00	4:15 1/4
Drill 5 7/8" Hole			4:15	12 0 7 1/2

[illegible]

JTS 7-78 CSG		EQUIPMENT CHANGES DUNK SUB. O.D. ON TOP 5 3/8		TRANSFER #	
SA GONT CEM		SKIRT 7" BOT TOM 5 1/16			
A.M. P.M.		Length. 2.14			
DAYS FROM SPUD:		TOTAL COMPANY TIME		TOTAL CONTRACTOR'S TIME	
GENERAL		HRS.		HRS.	
		Approved by Operator's Representative		J. O. C. Fer	
		Approved by Toolpusher		J. M. A. Fer	

CONSERVATION BOARD COPY

GP-87671

GENERAL PETROLEUMS DRILLING LTD.

DAILY DRILLING LOG
DIRECTIONS TO WELL

RIG NO. 12

LOCATION

CANISO ET AL CAMERON HILLS LSD.

SEC. E67

TWP.

RGE.

W.

DATE MARCH 9

1969

DIRECTIONS TO WELL

4 NORTH 10 NORTHWEST OF BORDEN

POINT

INDIAN CABINS

SHIPPING POINT

INDIAN CABINS

MILES MOVED

512

ROAD CONDITIONS

Good

From		Footage		To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly	REMARKS			TIME																				
																		START	STOP	INTVL.																					
2585	15	2100	1 1/2	62	30	1			6	6 3/4	2 7/8	120.75	44					Drilling	1200	1230	1/2																				
REPAIRS START RECORDER P.L.N.E.																						1230																			
Rig SERVICE																							1245	1/4																	
Drilling																						1245	145	1																	
BURC SAMPLE																						145	215	1/2																	
DUNNITY TRIP CLEAN 3' TBM																						215	400	1 3/4																	
CHAC B.F. 0.2 PULLING OUT TO TEST																						400	530	1/2																	
SURVEY @ 2595 3/4" BLOW LINES																						530	645	1/4																	
Hoist																						545	800	2 1/4																	
FIRES NIL																																									
Rig SERVICE																						800	815	1/4																	
PICK UP TESTING TOOL AND																						815	900	3/4																	
MAKE UP.																																									
RUN IN W/TEST 1" (SLOW)																						900	1100	2																	
TESTING.																						1100	145	2 3/4																	
PULL LOSE PAKER AND																						145																			
BRACK OF CHICKSAND																						200		1/4																	
HOIST D.S.T. 1"																						200	400	2																	
FIRES NIL																																									
Rig SERVICE																						400	415	1/4																	
Hoist Drill collars																						415	430	1/4																	
Break down Test Tool and																						430																			
Load out Test Tool																						600		1 1/2																	
Run Bit #4 in hole																						9		3																	
Clean 90 Feet of hole																						9	9:30	2 1/2																	
Work on pump Clean screen																						9:30	10:00	1/2																	
FIRES, 11 9/16 hole																						10:00	12:00	2																	
EQUIPMENT CHANGES																																									
TRANSFER #																																									
B.O.P. Tested Elapsed Time Pressure Packing & Seal Inspected Date																																									
Hydril OK 15 1200																																									
Pipe Rams OK 15 1200																																									
Blind Rams OK 15 1200																																									
TOTCO RING ON BIT = 3																																									
Boiler Operated: 24 Hrs.																																									
Crown-o-matic Chk'd.																																									
Rig Sevens Chk'd.																																									
Kelly Lock Chk'd.																																									
Fire Equip. Chk'd.																																									
FUEL ON HAND 12:01 a.m.																																									
FUEL REC'D TODAY (add)																																									
TOTAL																																									
FUEL ON HAND 11:59 p.m. (deduct)																																									
FUEL USED																																									
CASING REPORT																																									
RAN 7 ITS 9 7/8 CSG																																									
TO 305.5 KB. USED 200 SAX CONT. CEM																																									
PLUS 3. % CC PLUG DOWN 4.15 A.M. P.M.																																									
CEMENT RETURNS - (YES/NO)																																									
GENERAL																																									
DAYS FROM SPUD:																																									
TOTAL COMPANY TIME																																									
TOTAL CONTRACTOR'S TIME																																									
Approved by Operator's Representative																																									
Approved by Toolpusher																																									

CONSERVATION BOARD COPY

GP-87669

DAILY DRILLING LOG
DIRECTIONS TO
WELL 4 North

DAILY DRILLING LOG
DIRECTIONS TO WELL 4 North 10 North West of Border MAILING POINT Indain Cubins SHIPPING POINT Inbain Cubins MILES MOVED 512 ROAD CONDITIONS Good

CONSERVATION BOARD COPY

GP-87668

DAILY DRILLING LOG
DIRECTIONS TO
WELL 4 North

RIG NO. 12 LOCATION CansETAL Camennon Hills DSD. SEC E-69 TWP. --- RGE. --- W. --- DATE March 7 1969
 st of Road MAILING POINT Indain Cabins SHIPPING POINT Indain Cabins MILES MOVED 512 ROAD CONDITIONS Good

[illegible]

GENERAL PETROLEUMS DRILLING LTD.

DAILY DRILLING LOG

DIRECTIONS TO WELL

RIG NO. 12

LOCATION

Cans ~~and~~ Cemenen Hills

LSD. 29 SEC.

TWP.

RGE.

W.

DATE

7th Aug 6

1956

MAILING POINT

Indian Casing

SHIPPING POINT

Indian Casing

MILES MOVED

512

ROAD CONDITIONS

Good

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly	
1430	120	1550	5 1/4	6A	13	1		16	6 3/4	2 1/2	529.22				0	
No.	Size	Type	Serial No.	Wt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T	B	C
1	6 3/4	X16	9773	15 1/2	100		5 1/4			1	1200	57		14	2	1
M.U.D.	12 m.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 m.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 m.	2 a.m.	4 a.m.	6 a.m.	MOTOR HOURS	Next Oil Change
WEIGHT	9.1	9.1	9.3	9.3	No. 1	PRES-SURE	1100	1100	1100	1200	No. 2	PRES-SURE				
VISCOSITY	31	33	36	42	MODEL	S.P.M.	57	57	57	57	MODEL	S.P.M.				
GEL					LINER SIZE						LINER SIZE					
W.L.	F.C.	pH.	DESILTER: Hours Op.	U. Flow:	O. Flow:	SURVEYS	At Feet	Degrees								
ADDITIVES	G.R.S. 2000	80	GENERAL	Soda Ash	300	46	1519	1/4	56.5	30	65.00					
	PELTEX 1450	46														
	CAUSTIC 5-2	200	46													
Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool			
1	WRIGHT	56313	8	1	28	3069	25	1/2	3073	27-2-69	3343	1974				
From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly	
1550	160	1710	3 1/4	57	16	1		16	6 3/4	2 1/2	492.86				27.83	
No.	Size	Type	Serial No.	Wt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T	B	C
2	6 3/4	X16	9773	15 1/2	100		3 1/4			1	1200	57		14	2	1
M.U.D.	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.	MOTOR HOURS	Next Oil Change
WEIGHT	9.1	9.1	9.3	9.3	No. 1	PRES-SURE	1100	1100	1100	1200	No. 2	PRES-SURE				
VISCOSITY	31	33	36	42	MODEL	S.P.M.	57	57	57	57	MODEL	S.P.M.				
GEL					LINER SIZE						LINER SIZE					
W.L.	F.C.	pH.	DESILTER: Hours Op.	U. Flow:	O. Flow:	SURVEYS	At Feet	Degrees								
ADDITIVES	G.R.S. 2000	80	GENERAL	Soda Ash	300	46	1565	1/4	56.5	30	65.00					
	PELTEX 1450	46														
	CAUSTIC 5-2	200	46													
Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool			
1	WRIGHT	56313	8	1	28	3069	25	1/2	3073	27-2-69	3343	1974				
From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly	
1710	380	2090	7	60	22	1		16	6 3/4	2 1/2	492.86				21.82	
No.	Size	Type	Serial No.	Wt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T	B	C
2	6 3/4	X16	9773	15 1/2	100		7			1	1200	57		14	2	1
M.U.D.	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.	MOTOR HOURS	Next Oil Change
WEIGHT	9.1	9.1	9.3	9.3	No. 1	PRES-SURE	1100	1100	1100	1200	No. 2	PRES-SURE				
VISCOSITY	38	43	40	43	MODEL	S.P.M.	55	54	55	56	MODEL	S.P.M.				
GEL					LINER SIZE						LINER SIZE					
W.L.	F.C.	pH.	DESILTER: Hours Op.	U. Flow:	O. Flow:	SURVEYS	At Feet	Degrees								
ADDITIVES	G.R.S. 2000	80	GENERAL	Soda Ash	300	46	1768	1/4	56.5	30	65.00					
	PELTEX 1450	46														
	CAUSTIC 5-2	200	46													
Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool			
1	WRIGHT	56313	8	1	28	3069	25	1/2	3073	27-2-69	3343	1974				
B.O.P.	Tested	Elapsed Time	Pres-sure	Packing & Seal Inspected Date	Crown-a-matic Chk'd.	Fuel on Hand 12.01 a.m.	2674 gals.	CASING REPORT	RAN	7	JTS	9 3/4	CSG	EQUIPMENT CHANGES	TRANSFER #	
Hydril	OK	10	12		Rig Savers Chk'd.	Fuel Rec'd Today (add)	gals.	TO	305.5	KB. USED	200	SAX	200	CEM		
Pipe Rams.	OK	11	12		Kelly Cock Chk'd.	TOTAL	gals.	PLUS	0	% CC.	PLUG DOWN	7:15	P.M.	DAYS FROM SPUD:	TOTAL COMPANY TIME	TOTAL CONTRACTOR'S TIME
Blind Rams.	OK	11	12		Fire Equip. Chk'd.	Fuel on Hand 11.59 p.m. (deduct)	4950 gals.	CEMENT RETURNS - (YES/NO)	1	YES	NO	1	YES	NO	HRS.	HRS.
TOTCO RING ON BIT	2	Boiler Operated:	24	Hrs.		FUEL USED	gals.	GENERAL								
APPROVED BY OPERATOR'S REPRESENTATIVE																
APPROVED BY TOOLPUSHER																

Rig Serv.	REMARKS	START	STOP	INTVL.
Drill		12:00	12:15	1/4
Drill		12:15	2:45	2 1/2
Surveys		2:45	3:00	1/4
Drill		3:00	4:45	1 1/2
Work on pump		4:45	5:30	3/4
Drill		5:30	7:15	1 1/4
Surveys		7:15	7:30	1/4
Hoist Bit		7:30	8:00	1/2
FIRE				8
DRILLER'S SIGNATURE				
Hoist Bit NOT MEASURED		8:00	9:50	1 1/2
Rig SERVICE OPERATE BOP & VALVES		9:50	10:00	1/2
MEASURE IN D/COLLARS		10:00	10:45	3/4
SLIP D/LINE		10:45	11:15	1/2
RUN IN BIT #2		11:15	12:00	3/4
Drilling		12:00	12:30	1/2
WORK ON PUMP SURVEY @ 1565		12:30	1:15	3/4
Drilling		1:15	4:00	2 3/4
FIRE				
DRILLER'S SIGNATURE				
DRILLING 8 3/4" HOLE		4:00	5:00	1
Rig SERVICE CHECK BRAKE PINS.		5:00	5:15	1/4
B.O.P. SURVEY @ 1768				
DRILLING 8 3/4" HOLE		5:15	8:15	3
WORK ON PUMP		8:15	8:45	1/2
DRILLING 8 3/4" HOLE		8:45	9:45	1
SURVEY @ 1986		9:45	10:00	1/4
DRILLING 8 3/4" HOLE		10:00	12:00	2
FIRE				
DRILLER'S SIGNATURE				
CASING REPORT				
TO 305.5 KB. USED				
PLUS 0 % CC.				
CEMENT RETURNS - (YES/NO)				
GENERAL				
APPROVED BY OPERATOR'S REPRESENTATIVE				
APPROVED BY TOOLPUSHER				

CONSERVATION BOARD COPY

GP-87656

DAILY DRILLING LOG
DIRECTIONS TO
WELL # North

MAILING POINT Indain Cables SHIPPING POINT Indain Cables

MILES MOVED 512 ROAD CONDITIONS Good

CONSERVATION BOARD COPY

$R_2 = 2674$

GP-87665

DAILY DRILLING LOG

DIRECTIONS TO WELL NORTH

RIG NO. 12

LOCATION

Vanstedt Cameron Hills

LSD. 11 SEC

TYP.

RGE

W.

DATE _____

196

DIRECTIONS TO WELL - NORTH

10 North west of London

MAILING
POINT 2

John, the house

SHIPPING
POINT

ndia Cabin

MILES
MOVED

512

ROAD CONDITIONS

Chlor

GP-87664

GENERAL PETROLEUMS DRILLING LTD.

DAILY DRILLING LOG

DIRECTIONS TO

WELL

RIG NO. 12

LOCATION

CANSTOCK CAMERON HILLS

SEC.

TWP.

RGE.

W.

DATE

MARCH 3

1961

MAILING

POINT

SHIPPING

POINT

MILES

MOVED

ROAD

CONDITIONS

GOOD

From		Footage		To		Hrs. on Bottom		Wt. Drill Pipe (1000 lbs.)		Stands		Singles		DRILL COLLARS		No.		O.D.		I.D.		Length		Air Wt.		Sub. Wt.		C.B. Ft.		Ft. up on Kelly		REMARKS		TIME	
305		10 1/4		3-42		5696																													
MUD		12 m.		2 a.m.		4 a.m.		6 a.m.		PUMP		12 m.		2 a.m.		4 a.m.		6 a.m.		PUMP		12 m.		2 a.m.		4 a.m.		6 a.m.		MOTOR HOURS		Next Oil Change			
WEIGHT										No. 1		PRES-SURE								No. 2		PRES-SURE													
VISCOSITY										MODEL		S.P.M.								MODEL		S.P.M.													
GEL										LINER SIZE										LINER SIZE															
W.L.		F.C.		pH.		DESILTER: Hours Op:		U. Flow:		O. Flow:		SURVEYS		At Feet		Degrees																			
ADDITIONS																																			
Drilling Line Record		Size		Make		Serial No.		No. Lines		Trips		Ton Miles		Total Miles		Slip		Feet or Cut		At Miles		Date Slip or Cut		Next Slip		Ft. Left on Spool									
309		10 1/4		WHT		56313		8				2963		45		45		2943		24-2-69		3343		1994											
From		Footage		To		Hrs. on Bottom		Wt. Drill Pipe (1000 lbs.)		Stands		Singles		DRILL COLLARS		No.		O.D.		I.D.		Length		Air Wt.		Sub. Wt.		C.B. Ft.		Ft. up on Kelly					
309		10 1/4		WHT		56313		8				2963		45		45		2943		24-2-69		3343		1994											
MUD		8 a.m.		10 a.m.		12 noon		2 p.m.		PUMP		8 a.m.		10 a.m.		12 noon		2 p.m.		PUMP		8 a.m.		10 a.m.		12 noon		2 p.m.		MOTOR HOURS		Next Oil Change			
WEIGHT										No. 1		PRES-SURE								No. 2		PRES-SURE													
VISCOSITY										MODEL		S.P.M.								MODEL		S.P.M.													
GEL										LINER SIZE										LINER SIZE															
W.L.		F.C.		pH.		DESILTER: Hours Op:		U. Flow:		O. Flow:		SURVEYS		At Feet		Degrees																			
ADDITIONS																																			
Drilling Line Record		Size		Make		Serial No.		No. Lines		Trips		Ton Miles		Total Miles		Slip		Feet or Cut		At Miles		Date Slip or Cut		Next Slip		Ft. Left on Spool									
309		10 1/4		WHT		56313		8				2963		45		45		2943		27-2-69		3343		1994											
From		Footage		To		Hrs. on Bottom		Wt. Drill Pipe (1000 lbs.)		Stands		Singles		DRILL COLLARS		No.		O.D.		I.D.		Length		Air Wt.		Sub. Wt.		C.B. Ft.		Ft. up on Kelly					
309		10 1/4		WHT		56313		8				2963		45		45		2943		27-2-69		3343		1994											
MUD		4 p.m.		6 p.m.		8 p.m.		10 p.m.		PUMP		4 p.m.		6 p.m.		8 p.m.		10 p.m.		PUMP		4 p.m.		6 p.m.		8 p.m.		10 p.m.		MOTOR HOURS		Next Oil Change			
WEIGHT										No. 1		PRES-SURE								No. 2		PRES-SURE													
VISCOSITY										MODEL		S.P.M.								MODEL		S.P.M.													
GEL										LINER SIZE										LINER SIZE															
W.L.		F.C.		pH.		DESILTER: Hours Op:		U. Flow:		O. Flow:		SURVEYS		At Feet		Degrees																			
ADDITIONS																																			
Drilling Line Record		Size		Make		Serial No.		No. Lines		Trips		Ton Miles		Total Miles		Slip		Feet or Cut		At Miles		Date Slip or Cut		Next Slip		Ft. Left on Spool									
309		10 1/4		WHT		56313		8				2963		45		45		2943		24-2-69		3343		1994											
From		Footage		To		Hrs. on Bottom		Wt. Drill Pipe (1000 lbs.)		Stands		Singles		DRILL COLLARS		No.		O.D.		I.D.		Length		Air Wt.		Sub. Wt.		C.B. Ft.		Ft. up on Kelly					
309		10 1/4		WHT		56313		8				2963		45		45		2943		24-2-69		3343		1994											
MUD		4 p.m.		6 p.m.		8 p.m.		10 p.m.		PUMP		4 p.m.		6 p.m.		8 p.m.		10 p.m.		PUMP		4 p.m.		6 p.m.		8 p.m.		10 p.m.		MOTOR HOURS		Next Oil Change			
WEIGHT										No. 1		PRES-SURE								No. 2		PRES-SURE													
VISCOSITY										MODEL		S.P.M.								MODEL		S.P.M.													
GEL										LINER SIZE										LINER SIZE															
W.L.		F.C.		pH.		DESILTER: Hours Op:		U. Flow:		O. Flow:		SURVEYS		At Feet		Degrees																			
ADDITIONS																																			
Drilling Line Record		Size		Make		Serial No.		No. Lines		Trips		Ton Miles		Total Miles		Slip		Feet or Cut		At Miles		Date Slip or Cut		Next Slip		Ft. Left on Spool									
309		10 1/4		WHT		56313		8				2963		45		45		2943		24-2-69		3343		1994											
From		Footage		To		Hrs. on Bottom		Wt. Drill Pipe (1000 lbs.)		Stands		Singles		DRILL COLLARS		No.		O.D.		I.D.		Length		Air Wt.		Sub. Wt.		C.B. Ft.		Ft. up on Kelly					
309		10 1/4		WHT		56313		8				2963		45		45		2943		24-2-69		3343		1994											
MUD		4 p.m.		6 p.m.		8 p.m.		10 p.m.		PUMP		4 p.m.		6 p.m.		8 p.m.		10 p.m.		PUMP		4 p.m.		6 p.m.		8 p.m.		10 p.m.		MOTOR HOURS		Next Oil Change			
WEIGHT										No. 1		PRES-SURE								No. 2		PRES-SURE													
VISCOSITY										MODEL		S.P.M.								MODEL		S.P.M.													
GEL										LINER SIZE										LINER SIZE															
W.L.		F.C.		pH.		DESILTER: Hours Op:		U. Flow:		O. Flow:		SURVEYS		At Feet		Degrees																			
ADDITIONS																																			
Drilling Line Record		Size		Make		Serial No.		No. Lines		Trips		Ton Miles		Total Miles		Slip		Feet or Cut		At Miles		Date Slip or Cut		Next Slip		Ft. Left on Spool									
309		10 1/4		WHT		56313		8				2963		45		45		2943		24-2-69		3343		1994											
From		Footage		To		Hrs. on Bottom		Wt. Drill Pipe (1000 lbs.)		Stands		Singles		DRILL COLLARS		No.		O.D.		I.D.		Length		Air Wt.		Sub. Wt.		C.B. Ft.		Ft. up on Kelly					
309		10 1/4		WHT		56313		8				2963		45		45		2943		24-2-69		3343		1994											
MUD		4 p.m.		6 p.m.		8 p.m.		10 p.m.		PUMP		4 p.m.		6 p.m.		8 p.m.		10 p.m.		PUMP		4 p.m.		6 p.m.		8 p.m.		10 p.m.		MOTOR HOURS		Next Oil Change			
WEIGHT										No. 1		PRES-SURE								No. 2		PRES-SURE													
VISCOSITY										MODEL		S.P.M.								MODEL		S.P.M.													
GEL										LINER SIZE										LINER SIZE															
W.L.		F.C.		pH.		DESILTER: Hours Op:		U. Flow:		O. Flow:		SURVEYS		At Feet		Degrees																			
ADDITIONS																																			
Drilling Line Record		Size		Make		Serial No.		No. Lines		Trips		Ton Miles		Total Miles		Slip		Feet or Cut		At Miles		Date Slip or Cut		Next Slip		Ft. Left on Spool									
309		10 1/4		WHT		56313		8				2963		45		45		2943		24-2-69		3343		1994											
From		Footage		To		Hrs. on Bottom		Wt. Drill Pipe (1000 lbs.)		Stands		Singles		DRILL COLLARS		No.		O.D.		I.D.		Length		Air Wt.		Sub. Wt.		C.B. Ft.		Ft. up on Kelly					
309		10 1/4		WHT		56313		8				2963		45		45		2943		24-2-69		3343		1994											
MUD		4 p.m.		6 p.m.		8 p.m.		10 p.m.		PUMP		4 p.m.		6 p.m.		8 p.m.		10 p.m.		PUMP		4 p.m.		6 p.m.		8 p.m.		10 p.m.		MOTOR HOURS		Next Oil Change			
WEIGHT										No. 1		PRES-SURE								No. 2		PRES-SURE													
VISCOSITY										MODEL		S.P.M.								MODEL		S.P.M.													
GEL										LINER SIZE										LINER SIZE															
W.L.		F.C.		pH.		DESILTER: Hours Op:		U. Flow:		O. Flow:		SURVEYS		At Feet		Degrees																			
ADDITIONS																																			
Drilling Line Record		Size		Make		Serial No.		No. Lines		Trips		Ton Miles		Total Miles		Slip		Feet or Cut		At Miles		Date Slip or Cut		Next Slip		Ft. Left on Spool									
309		10 1/4		WHT		56313		8				2963		45		45		2943		24-2-69		3343		1994											
From		Footage		To		Hrs. on Bottom		Wt. Drill Pipe (1000 lbs.)		Stands		Singles		DRILL COLLARS		No.		O.D.		I.D.		Length		Air Wt.		Sub. Wt.		C.B. Ft.		Ft. up on Kelly					
309		10 1/4																																	

DAILY DRILLING LOG

DIRECTIONS TO WELL: NORTH 10 NORTH WEST 27 1/2 MILES

MAILING POINT

SHIPPING POINT INDIAN CASINS

MILES MOVED 512

ROAD CONDITIONS Good

GP-87661

DAILY DRILLING LOG
DIRECTIONS TO 4 NORTH
WELL

LOCATION CONSORT - AL CAMERON HILLS

LSD. E69

TW

RGH

W

DATE _____

MAR 56

186 5

DAILY DRILLING LOG
DIRECTIONS TO WELL 4 NORTH 10 NORTH WEST BOUNDARY

MAILING POINT INDIAN CREEK

SHIPPING POINT INDIAN ENGINE

MILES MOVED 512

ROAD
CONDITIONS

Good

[illegible]

CONSERVATION BOARD COPY

GP-87660

GENERAL PETROLEUMS DRILLING LTD.

DAILY DRILLING LOG

DIRECTIONS TO WELL NORTH 10 NORTH WEST BOUNDARY

RIG NO. 12

LOCATION CANADIAN - AL CARMERON HILLS

LSD. 169 SEC.

TWP. RGE. W.

DATE FEB 28 1969

MAILING POINT INDIAN CAINS

SHIPPING POINT INDIAN CAINS

MILES MOVED 512

ROAD CONDITIONS GOOD

From		Footage		To		Hrs. on Bottom		Wt. Drill Pipe (1000 lbs.)		Stands		Singles		DRILL COLLARS		No.		O.D.		I.D.		Length		Air Wt.		Sub. Wt.		C.B. Ft.		Ft. up on Kelly		REMARKS		TIME		
190														5		6 1/4		2 1/4		148 3/4								DOWN								
WAIT ON MAGNET. RIG SERVICE																																1250	6 15	6 14		
UNLOAD NEW YELLOW DOG AND																																6 15				
MAGNET. LOAD OUT OLD YELLOW																																				
DOG																																	6 30	1/4		
PUT MAGNET ON RUN IN																																6 30	7 15	3/4		
PUT KELLY ON BREAK CIR																																7 15				
WORK PIPE DOWN SLOW TO FISH																																8 00	1/4			
MOTOR HOURS																																				
Next Oil Change																																				
WEIGHT																																				
No. 1 PRES-SURE																																				
No. 2 PRES-SURE																																				
VISCOSITY																																				
MODEL S.P.W.																																				
GEL																																				
LINER SIZE 5 1/2 x 15"																																				
W.L.																																				
F.C.																																				
pH.																																				
DESILTER: Hours Op:																																				
U. Flow:																																				
O. Flow:																																				
SURVEYS																																				
At Feet																																163	7/4			
Degrees																																				
Weather																																CLOUD				
Temp.																																25+				
Water																																175				
Bbls.																																				
Drilling Line Record																																				
Size																																1				
Make																																WARRANT				
Serial No.																																56313				
No. Lines																																8				
Trips																																				
Ton Miles																																				
Total Miles																																2943				
Slip																																45				
Feet or Cut																																45				
At Miles																																2943				
Date Slip or Cut																																24-2-69				
Next Slip																																3343				
Ft. Left on Spool																																1994				
FIRES NIL																																				
DRILLER'S SIGNATURE																																				
HOIST MAGNET CANTON OUT																																8 00	8 30			
NO FISH ON MAGNET. RUN BACK																																8 30				
IN TO 45' BRIDGE HOIST TO																																8 45	1/4			
PICK UP COLLAR BIT TO																																8 45				
CLEAR OUT																																10 00	1/4			
WORK ON YELLOW DOG																																10 00	12 30	2 1/2		
CLEAN TO 12'																																12 30	1 30	1		
WORK ON YELLOW DOG																																1 30	2 00	1/2		
WAIT ON HALLIBURTON																																2 00	4 00	2		
MOTOR HOURS																																				
Next Oil Change																																				
WEIGHT																																				
No. 1 PRES-SURE																																				
No. 2 PRES-SURE																																				
VISCOSITY																																				
MODEL S.P.W.																																				
GEL																																				
LINER SIZE 5 1/2 x 15"																																				
W.L.																																				
F.C.																																				
pH.																																				
DESILTER: Hours Op:																																				
U. Flow:																																				
O. Flow:																																				
SURVEYS																																				
At Feet																																163	7/4			
Degrees																																				
Weather																																CLOUD				
Temp.																																25+				
Water																																200				
Bbls.																																				
Drilling Line Record																																				
Size																																1				
Make																																WARRANT				
Serial No.																																56313				
No. Lines																																8				
Trips																																				
Ton Miles																																				
Total Miles																																2943				
Slip																																45				
Feet or Cut																																45				
At Miles																																2943				
Date Slip or Cut																																24-2-69				
Next Slip																																3343				
Ft. Left on Spool																																1994				
FIRES NIL																																				
DRILLER'S SIGNATURE																																				
WAIT ON HALLIBURTON																																4 00	7 45	3 1/4		
RUN IN HOIST PICK UP TO TEST																																7 45	8 30	3/4		
CLEAR																																8 30	3/4			
CLEAN IN TO BOTTOM CHARGE																																8 30				
TRY TO WORK COW TO SIDE																																10 45	2 1/4			
BLOW PLUG LINES WAIT ON GLOBE																																10 45				
BASKET - 11" MAG.																																12 00	1 3/4			
MOTOR HOURS																																				
Next Oil Change																																				
WEIGHT																																				
No. 1 PRES-SURE																																				
No. 2 PRES-SURE																																				
VISCOSITY																																				
MODEL S.P.W.																																				
GEL																																				
LINER SIZE 5 1/2 x 15"																																				
W.L.																																				
F.C.																																				
pH.																																				
DESILTER: Hours Op:																																				
U. Flow:																																				
O. Flow:																																				
SURVEYS																																				
At Feet																																163	7/4			
Degrees																																				
Weather																																CLOUD				
Temp.																																10+				
Water																																175				
Bbls.																																				
Drilling Line Record																																				
Size																																1				
Make																																WARRANT				
Serial No.																																56313				
No. Lines																																8				
Trips																																				
Ton Miles																																				
Total Miles																																2943				
Slip																																45				
Feet or Cut																																45				
At Miles																																2943				
Date Slip or Cut																																24-2-69				
Next Slip																																3343				
Ft. Left on Spool																																1994				
FIRES																																				
DRILLER'S SIGNATURE																																				
EQUIPMENT CHANGES																																				
TRANSFER #																																				
B.O.P.																																				
Tested																																				
Elapsed Time																																				
Pressure																																				
Pr. King & Seal Inspected Date																																				
Crown-a-matic Chk'd.																																				
Fuel on Hand 12.01 a.m.																																1607	gals.			
Hydriil																																				
Rig Savers Chk'd.																																				
Pipe Rams.																																				
Blind Rams.																																				
Kelly Cock Chk'd.																																				
Fuel on Hand 11.59 p.m. (deduct)																																1233	gals.			
TOTAL																																				
FUEL USED																																372	gals.			
CASING REPORT																																				
RAN																																				
JTS																																				
CSG																																				
TO																																				
KB. USED																																				
SAX																																				
CEM																																				
PLUS																																				
PLUG DOWN																																				
A.M. P.M.																																				
CEMENT RETURNS - (YES/NO)																																				
GENERAL																																				
DAYS FROM SPUD:																																				
TOTAL COMPANY TIME																																				
HRS.																																				
TOTAL CONTRACTOR'S TIME																																				
HRS.																																				
Approved by Operator's Representative																																				
Approved by Toolpusher																																				

CONSERVATION BOARD COPY

GP-87659

GENERAL PETROLEUMS DRILLING LTD.

DAILY DRILLING LOG

DIRECTIONS TO NORTH 10 NORTH WEST BOUNDARY

WELL

RIG NO. 12 LOCATION CANO CT. AL CAMERON HILLS LSD. E69 SEC. TWP. RGE. W. DATE FEB 27 1969

MAKING POINT INDIAN CAINS

SHIPPING POINT INDIAN CAINS

MILES MOVED 512

ROAD CONDITIONS G600

GENERAL															REMARKS		TIME		
From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly	START	STOP	INTVL.	
102	30	132	2 1/2	2	1	1	4 1/2	3	6 1/4	2 1/4	152				DOWN		1200	1215	1/4
MUD															Rig SERVICE				
WEIGHT															MIX MUD				
VISCOSITY															CONN SURVEY				
GEL															STAND 9" COLLAR IN DECK		245		
PUMP															PICK UP 2 1/4 D.C.		345 1		
MOTOR HOURS															MIX MUD, RIS UP NEW YELLOW DOG		345 530 1/4		
SURVEYS															DRILLING		530 8 1/2 2 1/2		
DESILTER: Hours Op:															FIRE: NIL		DRILLER'S SIGNATURE Olson		
GENERAL															Rig SERVICE		800 815 1/4		
CONNECTION WORK PIPE															SURVEY		815 930 1/4		
DRILLING 12 1/4" HOLE															SURVEY		930 945 1/4		
DRILLING															DRILLING		1230 1245 1/4		
WORK ON YELLOW DOG															DRILLING		1245 1300 2 1/4		
SURVEYS															FIRE: NIL		DRILLER'S SIGNATURE		
DESILTER: Hours Op:															WORK ON YELLOW DOG		400 415 1/4		
GENERAL															BLW MUD LINES Pull OUT of HOLE		415 445 1/2		
ONE CONE OFF BIT WAIT ON MAGNET															Rig SERVICE PICK UP BTH. HOLE		445		
DRILLING															DRILLING		1200 7 1/4		
SURVEYS															FIRE: NIL		DRILLER'S SIGNATURE		
DESILTER: Hours Op:															EQUIPMENT CHANGES		TRANSFER		
GENERAL															Casing Report				
FUEL ON HAND 12.01 a.m.															TO		KB. USED		
FUEL REC'D TODAY (add)															PLUS		PLUG DOWN		
TOTAL															CEMENT RETURNS - (YES/NO)		GENERAL		
FUEL ON HAND 11.59 p.m. (deduct)															FUEL USED		14 1/2 gals.		
B.O.P. Tested															Crown-o-matic Chk'd.				
Hydri															Rig Savers Chk'd.				
Pipe Rams															Kelly Cock Chk'd.				
Blind Rams															Fire Equip. Chk'd.				
TOCO RING ON BIT															Boiler Operated: 24 Hrs.				
Approved by Operator's Representative															Approved by Toolpusher		GP-87658		

CONSERVATION BOARD COPY

DAILY DRILLING LOG
DIRECTIONS TO 21 NORTH 10 NORTH WEST BOUNDARY
WELL

196.9

DIRECTIONS TO 21 NORTH 10 NORTHWEST BOUNDARY
WELL

SHIPPING
POINT INDIGN C40113

ROAD CONDITIONS Good

GP-87357

GENERAL PETROLEUMS DRILLING LTD.

DAILY DRILLING LOG
DIRECTIONS TO WELLRIG NO. 12 LOCATION CANSET. #2 - CAMERON HILLS SEC. E69 TWP. W RGE. W DATE FEB 24 1969
MAILING POINT INDIAN CABINS SHIPPING POINT INDIAN CABINS MILES MOVED 512 ROAD CONDITIONS GOOD

From		Footage		To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly	REMARKS			TIME		
No.		Size		Type	Job/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cased	Hrs.	Reamed	Hrs.	Pump No.	Pressure	T.P.M.	Table Torque	T	B	G	START	STOP	INTVL.	
MUD		12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP		12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP		12 mn.	2 a.m.	4 a.m.	6 a.m.	MOTOR HOURS		Next Oil Change			
WEIGHT						No. 1	PRES-SURE			No. 2	PRES-SURE												
VISCOSITY						MODEL	S.P.N.			MODEL	S.P.N.												
GEL						LINER SIZE				LINER SIZE													
W.L.		F.C.		pH.		DESILTER: Hours Op:		U. Flow:		O. Flow:		SURVEYS		At Feet		Degrees							
ADDITIVES						GENERAL																	
Drilling Line Record		Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool										
1		WRIGHT	5613	8			2943	2943	45	45	2943	2/26/69	7043	1999									
From		Footage		To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly						
No.		Size		Type	Job/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cased	Hrs.	Reamed	Hrs.	Pump No.	Pressure	T.P.M.	Table Torque	T	B	G				
MUD		8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP		8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP		8 a.m.	10 a.m.	12 noon	2 p.m.	MOTOR HOURS		Next Oil Change			
WEIGHT						No. 1	PRES-SURE			No. 2	PRES-SURE												
VISCOSITY						MODEL	S.P.N.			MODEL	S.P.N.												
GEL						LINER SIZE				LINER SIZE													
W.L.		F.C.		pH.		DESILTER: Hours Op:		U. Flow:		O. Flow:		SURVEYS		At Feet		Degrees							
ADDITIVES						GENERAL																	
Drilling Line Record		Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool										
1		WRIGHT	5613	8			2943	2943	45	45	2943	2/26/69	5043	1999									
From		Footage		To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly						
No.		Size		Type	Job/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cased	Hrs.	Reamed	Hrs.	Pump No.	Pressure	T.P.M.	Table Torque	T	B	G				
MUD		4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP		4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP		4 p.m.	6 p.m.	8 p.m.	10 p.m.	MOTOR HOURS		Next Oil Change			
WEIGHT						No. 1	PRES-SURE			No. 2	PRES-SURE												
VISCOSITY						MODEL	S.P.N.			MODEL	S.P.N.												
GEL						LINER SIZE				LINER SIZE													
W.L.		F.C.		pH.		DESILTER: Hours Op:		U. Flow:		O. Flow:		SURVEYS		At Feet		Degrees							
ADDITIVES						GENERAL																	
Drilling Line Record		Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool										
1		WRIGHT	5613	8			2943	2943	45	45	2943	2/26/69	5043	1999									
B.O.P.		Tested	Elapsed Time	Pressure	Packing & Seal Inspected Date	Crown-o-matic Chk'd.	Fuel on Hand 12.01 a.m.	gals.	CASING REPORT		RAN	JTS	CSG										
Hydril						Rig Savers Chk'd.	Fuel Rec'd Today (add)	gals.	TO		KB. USED	SAX	CEM										
Pipe Rams.						Kelly Cock Chk'd.	TOTAL	gals.	PLUS		0%	PLUG DOWN	A.M. P.M.										
Blind Rams.						Fire Equip. Chk'd.	Fuel on Hand 11.59 p.m. (deduct)	gals.	CEMENT RETURNS - (YES/NO)		GENERAL												
TOTAL RING ON BIT =		Series Operated:		2 1/2 Hrs.		FUEL USED		gals.	CEMENT RETURNS - (YES/NO)		GENERAL												
TOTAL COMPANY TIME		HRS.		TOTAL CONTRACTOR'S TIME		HRS.		APPROVED BY OPERATOR'S REPRESENTATIVE		APPROVED BY TOOLPUSHER													
GP-87654																							

CONSERVATION BOARD COPY

GP-87654

DAILY DRILLING LOG

DAILY DRILLING LOG

DIRECTIONS TO WELL NO. 1

RIG NO.

12

LOCATION

CAN SOCT. AL. CAMERON

141245

100-569

50

TABLE

1999

33

2. 222

Fig. 23

1

DAILY DRILLING LOG
DIRECTIONS TO WELL 4 NORTH 10 NORTH WEST BOUNDARY

MAILING
POINT

INDIAN CABINE

SHIPPING

INDIAN CABINS

MILES

512

W.

DATE _____
ROAD

600

_____196_____

GP. 87053

DAILY DRILLING LOG
DIRECTIONS TO 4 NORTH
WELL

RIG NO. 12 LOCATION CANSOCT. AL. CAMERON HILLS LSD. E69 SEC. _____ TWP. _____ RGE. _____ W. _____ DATE FEB 22 199
BOUNDARY MAILING POINT INDIAN CABINS SHIPPING POINT INDIAN CABINS MILES MOVED 512 ROAD CONDITIONS GOOD

DRILLING LOG																				TIME			
																		START	STOP	INTVL.			
From		Footage		To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS		No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly	REMARKS				
B	No.	Size	Type	Jobs/W.C.	Serial No.	Wgt.	E.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	S.	C.					
MUD		12 m.m.	2 a.m.	4 a.m.	6 a.m.	PUMP		(2 m.m.)	2 a.m.	4 a.m.	6 a.m.	PUMP		(2 m.m.)	2 a.m.	4 a.m.	6 a.m.	MOTOR HOURS		Next Oil Change			
WEIGHT						No. 1	PRES-SURE					No. 2	PRES-SURE										
VISCOSITY						MODEL	S.P.M.					MODEL	S.P.M.										
GEL						LINER SIZE						LINER SIZE											
W.L.		F.C.		pH.	DESILTER: Hours Op:		U. Flow:		O. Flow:		SURVEYS		At Feet		Degrees								
ADDITIVES:		GENERAL																		Weather		Water	
																				Temp.		Bbls.	
Drilling Line Record		Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool									
From		Footage		To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS		No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly	FIRE				
No.		Size	Type	Jobs/W.C.	Serial No.	Wgt.	E.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	S.	C.	DRILLER'S SIGNATURE				
MUD		8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP		(8 a.m.)	10 a.m.	12 noon	2 p.m.	PUMP		(8 a.m.)	10 a.m.	12 noon	2 p.m.	MOTOR HOURS		Next Oil Change			
WEIGHT						No. 1	PRES-SURE					No. 2	PRES-SURE										
VISCOSITY						MODEL	S.P.M.					MODEL	S.P.M.										
GEL						LINER SIZE						LINER SIZE											
W.L.		F.C.		pH.	DESILTER: Hours Op:		U. Flow:		O. Flow:		SURVEYS		At Feet		Degrees								
ADDITIVES:		GENERAL																		Weather		Water	
																				Temp.		Bbls.	
Drilling Line Record		Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool									
From		Footage		To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS		No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly	FIRE				
No.		Size	Type	Jobs/W.C.	Serial No.	Wgt.	E.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	S.	C.	DRILLER'S SIGNATURE				
MUD		4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP		(4 p.m.)	6 p.m.	8 p.m.	10 p.m.	PUMP		(4 p.m.)	6 p.m.	8 p.m.	10 p.m.	MOTOR HOURS		Next Oil Change			
WEIGHT						No. 1	PRES-SURE					No. 2	PRES-SURE										
VISCOSITY						MODEL	S.P.M.					MODEL	S.P.M.										
CEL						LINER SIZE						LINER SIZE											
W.L.		F.C.		pH.	DESILTER: Hours Op:		U. Flow:		O. Flow:		SURVEYS		At Feet		Degrees								
ADDITIVES:		GENERAL																		Weather		Water	
																				Temp.		Bbls.	
Drilling Line Record		Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool									
B.O.P.		Tested	Elapsed Time	Pressure	Packing & Seal Inspected Date	Crown-a-matic Chk'd.	Fuel on Hand 12.01 a.m.		gals.		CASING REPORT.		RAN	JTS	CSG	EQUIPMENT CHANGES		TRANSFER #					
Hydriil						Rig Savers Chk'd.	Fuel Rec'd Today (add)		gals.		TO		KB. USED	SAX	CEM								
Pipe Rams.						Kelly Cock Chk'd.	TOTAL		gals.		PLUS		%	PLUG DOWN	A.M. P.M.	DAYS FROM SPUD:		TOTAL COMPANY TIME					
Blind Rams.						Fire Equip. Chk'd.	Fuel on Hand 11.59 p.m. (deduct)		gals.		CEMENT RETURNS - (YES/NO)		GENERAL				HRS.		TOTAL CONTRACTOR'S TIME				
TOTCO RING ON BIT #		Boiler Operated:		Hrs.		FUEL USED		gals.		Cement Returns - (Yes/No)		General				Approved by Operator's Representative		Approved by Toolpusher					

CONSERVATION BOARD COPY

GP-87552

GENERAL PETROLEUMS DRILLING LTD.

DAILY DRILLING LOG

DIRECTIONS TO WELL

RIG NO.

12

LOCATION

CANSOCTAL CAMPION HILLS

SEC.

TWP.

RGE.

W.

DATE

Feb. 21

1969

4 NORTH-10 NORTH WEST BOUNDARY Indian Cabins

SHIPPING POINT

Indian Cabins

MILES MOVED

512

ROAD CONDITIONS

Good

From		Footage		To		Hrs. on Bottom		Wt. Drill Pipe (1000 lbs.)		Stands		Singles		DRILL COLLARS		No.		O.D.		I.D.		Length		Air Wt.		Sub. Wt.		C.B. Ft.		Ft. up on Kelly		REMARKS			TIME								
No.		Size		Type		Joh/W.C.		Serial No.		Wt.		R.P.M.		Drilled or Cased		Hrs.		Reamed		Hrs.		Pump No.		Pump Pressure		S.P.M.		Table Torque		G.		C.		START			STOP			INTVL.			
M.U.D.		12 m.		2 a.m.		4 a.m.		6 a.m.		PUMP		12 m.		2 a.m.		4 a.m.		6 a.m.		PUMP		12 m.		2 a.m.		4 a.m.		6 a.m.		MOTOR HOURS:		Next Oil Change											
WEIGHT										No. 1		PRES-SURE						No. 2		PRES-SURE																							
VISCOSITY										MODEL		S.P.M.						MODEL		S.P.M.																							
GEL										LINER SIZE								LINER SIZE																									
W.L.		F.C.		pH.				DESILTER: Hours Op:		U. Flow:		O. Flow:		SURVEYS																													
ADDITIVES																																											
GENERAL																																											
Weather																																											
Temp.																																											
Water																																											
Boils.																																											
Drilling Line Record		Size		Make		Serial No.		No. Lines		Trips		Ton Miles		Total Miles		Slip		Feet or Cut		At Miles		Date Slip or Cut		Next Slip		Ft. Left on Spool																	
From		Footage		To		Hrs. on Bottom		Wt. Drill Pipe (1000 lbs.)		Stands		Singles		DRILL COLLARS		No.		O.D.		I.D.		Length		Air Wt.		Sub. Wt.		C.B. Ft.		Ft. up on Kelly													
No.		Size		Type		Joh/W.C.		Serial No.		Wt.		R.P.M.		Drilled or Cased		Hrs.		Reamed		Hrs.		Pump No.		Pump Pressure		S.P.M.		Table Torque		G.		C.											
M.U.D.		8 a.m.		10 a.m.		12 noon		2 p.m.		PUMP		8 a.m.		10 a.m.		12 noon		2 p.m.		PUMP		8 a.m.		10 a.m.		12 noon		2 p.m.		MOTOR HOURS:		Next Oil Change											
WEIGHT										No. 1		PRES-SURE						No. 2		PRES-SURE																							
VISCOSITY										MODEL		S.P.M.						MODEL		S.P.M.																							
GEL										LINER SIZE								LINER SIZE																									
W.L.		F.C.		pH.				DESILTER: Hours Op:		U. Flow:		O. Flow:		SURVEYS																													
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From		Footage		To		Hrs. on Bottom		Wt. Drill Pipe (1000 lbs.)		Stands		Singles		DRILL COLLARS		No.		O.D.		I.D.		Length		Air Wt.		Sub. Wt.		C.B. Ft.		Ft. up on Kelly													
No.		Size		Type		Joh/W.C.		Serial No.		Wt.		R.P.M.		Drilled or Cased		Hrs.		Reamed		Hrs.		Pump No.		Pump Pressure		S.P.M.		Table Torque		G.		C.											
M.U.D.		4 p.m.		6 p.m.		8 p.m.		10 p.m.		PUMP		4 p.m.		6 p.m.		8 p.m.		10 p.m.		PUMP		4 p.m.		6 p.m.		8 p.m.		10 p.m.		MOTOR HOURS:		Next Oil Change											
WEIGHT										No. 1		PRES-SURE						No. 2		PRES-SURE																							
VISCOSITY										MODEL		S.P.M.						MODEL		S.P.M.																							
GEL										LINER SIZE								LINER SIZE																									
W.L.		F.C.		pH.				DESILTER: Hours Op:		U. Flow:		O. Flow:		SURVEYS																													
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From		Footage		To		Hrs. on Bottom		Wt. Drill Pipe (1000 lbs.)		Stands		Singles		DRILL COLLARS		No.		O.D.		I.D.		Length		Air Wt.		Sub. Wt.		C.B. Ft.		Ft. up on Kelly													
No.		Size		Type		Joh/W.C.		Serial No.		Wt.		R.P.M.		Drilled or Cased		Hrs.		Reamed		Hrs.		Pump No.		Pump Pressure		S.P.M.		Table Torque		G.		C.											
M.U.D.		4 p.m.		6 p.m.		8 p.m.		10 p.m.		PUMP		4 p.m.		6 p.m.		8 p.m.		10 p.m.		PUMP		4 p.m.		6 p.m.		8 p.m.		10 p.m.		MOTOR HOURS:		Next Oil Change											
WEIGHT										No. 1		PRES-SURE						No. 2		PRES-SURE																							
VISCOSITY										MODEL		S.P.M.						MODEL		S.P.M.																							
GEL										LINER SIZE								LINER SIZE																									
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From		Footage		To		Hrs. on Bottom		Wt. Drill Pipe (1000 lbs.)		Stands		Singles		DRILL COLLARS		No.		O.D.		I.D.		Length		Air Wt.		Sub. Wt.		C.B. Ft.		Ft. up on Kelly													
No.		Size		Type		Joh/W.C.		Serial No.		Wt.		R.P.M.		Drilled or Cased		Hrs.		Reamed		Hrs.		Pump No.		Pump Pressure		S.P.M.		Table Torque		G.		C.											
M.U.D.		4 p.m.		6 p.m.		8 p.m.		10 p.m.		PUMP		4 p.m.		6 p.m.		8 p.m.		10 p.m.		PUMP		4 p.m.		6 p.m.		8 p.m.		10 p.m.		MOTOR HOURS:		Next Oil Change											
WEIGHT										No. 1		PRES-SURE						No. 2		PRES-SURE																							
VISCOSITY										MODEL		S.P.M.						MODEL		S.P.M.																							
GEL										LINER SIZE								LINER SIZE																									
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DAILY DRILLING LOG
DIRECTIONS TO
WELL

RIG NO. 12 LOCATION BANDY Blue Ridge LSD. 11 SEC 35 TWP. 59 RGE 10 W. 5 DATE Feb. 19 1969

MAILING SHIPPING MILES ROAD
PRINT POINT MOVED CONDITIONS

TOUR MIDNIGHT TO 8 A.M. TOUR

8 AM TO 4 PM

T
C
U
R

 4
F
M
T
C
M
F
C

POINT																				POINT																				TIME	
From		Footage		To		Hrs. on Bottom		Wt. Drill Pipe (1000 lbs.)		Stands		Singles		DRILL COLLARS		No.		O.D.		I.D.		Length		Air Wt.		Sub. Wt.		C.B. Ft.		Ft. up on Kelly		REMARKS		START		STOP		INTVL.			
No.		Size		Type		Jct/W.C.		Serial No.		Wgt.		R.P.M.		Drilled or Cased		Hrs.		Reamed		Hrs.		Pump No.		Pump Pressure		S.P.M.		Table Torque		T.		B.		G.							
M.U.D.		12 mn.		2 a.m.		4 a.m.		6 a.m.		PUMP		12 mn.		2 a.m.		4 a.m.		6 a.m.		PUMP		12 mn.		2 a.m.		4 a.m.		6 a.m.		MOTOR HOURS		Next Oil Change									
WEIGHT								No. 1		PRES-SURE								No. 2		PRES-SURE																					
VISCOSITY								MODEL		S.P.M.								MODEL		S.P.M.																					
GEL								LINER SIZE										LINER SIZE																							
W.L.		F.C.		pH.		DESILTER: Hours Op:		U. Flow:		O. Flow:		SURVEYS		At Feet		Degrees																									
ADDITIVES								GENERAL																																	
Drilling Line Record		Size		Make		Serial No.		No. Lines		Trips		Ton Miles		Total Miles		Slip		Feet or Cut		At Miles		Date Slip or Cut		Next Slip		Ft. Left on Spool															
From		Footage		To		Hrs. on Bottom		Wt. Drill Pipe (1000 lbs.)		Stands		Singles		DRILL COLLARS		No.		O.D.		I.D.		Length		Air Wt.		Sub. Wt.		C.B. Ft.		Ft. up on Kelly											
No.		Size		Type		Jct/W.C.		Serial No.		Wgt.		R.P.M.		Drilled or Cased		Hrs.		Reamed		Hrs.		Pump No.		Pump Pressure		S.P.M.		Table Torque		T.		B.		G.							
M.U.D.		8 a.m.		10 a.m.		12 noon		2 p.m.		PUMP		8 a.m.		10 a.m.		12 noon		2 p.m.		PUMP		8 a.m.		10 a.m.		12 noon		2 p.m.		MOTOR HOURS		Next Oil Change									
WEIGHT								No. 1		PRES-SURE								No. 2		PRES-SURE																					
VISCOSITY								MODEL		S.P.M.								MODEL		S.P.M.																					
GEL								LINER SIZE										LINER SIZE																							
W.L.		F.C.		pH.		DESILTER: Hours Op:		U. Flow:		O. Flow:		SURVEYS		At Feet		Degrees																									
ADDITIVES								GENERAL																																	
Drilling Line Record		Size		Make		Serial No.		No. Lines		Trips		Ton Miles		Total Miles		Slip		Feet or Cut		At Miles		Date Slip or Cut		Next Slip		Ft. Left on Spool															
From		Footage		To		Hrs. on Bottom		Wt. Drill Pipe (1000 lbs.)		Stands		Singles		DRILL COLLARS		No.		O.D.		I.D.		Length		Air Wt.		Sub. Wt.		C.B. Ft.		Ft. up on Kelly											
No.		Size		Type		Jct/W.C.		Serial No.		Wgt.		R.P.M.		Drilled or Cased		Hrs.		Reamed		Hrs.		Pump No.		Pump Pressure		S.P.M.		Table Torque		T.		B.		G.							
M.U.D.		4 p.m.		6 p.m.		8 p.m.		10 p.m.		PUMP		4 p.m.		6 p.m.		8 p.m.		10 p.m.		PUMP		4 p.m.		6 p.m.		8 p.m.		10 p.m.		MOTOR HOURS		Next Oil Change									
WEIGHT								No. 1		PRES-SURE								No. 2		PRES-SURE																					
VISCOSITY								MODEL		S.P.M.																															