

CANSO et al N. CAMERON HILLS - H 34.

Drilling Authority No. 331
Date Issued 29 November 1968

WELL NAME: Caruso et al N. Cameron Hills H-34
FIELD: Area: 34
LOCATION: Unit H Section 34 Grid 60-10-116-45
Latitude 60-03-17.25 Longitude 116-51-03.4
From Established Reference Marker

U.W.I.R. 60.05479 -- 116.25094
U.W.I. 300H346010116450

Rig Release Date: 11/12/68
Status: C-A
Information Release Date

CHANGE OF NAME:

DATE RECEIVED	INDEX
29-11-68	Application for a Drilling Authority. Well Completion Data. Well History Report.
	Application to Amend a Drilling Authority.
	Application to change a Well Name.
6-1-69	Application to Abandon a Well or Suspend Drilling.
	Application to Alter Condition of a Well. Well History Supplement. Well Completion Data. Work-over Report No.
	Application to Commingle Production before Measurement.
	Data for Back Pressure Test on Natural Gas Wells — Monograph 7 Method.
	Data for Back Pressure Test on Natural Gas Wells — Vitter's Method.
	A.L.F.R. — Oil — Calculations.
	New Oil Well Report.
	New Gas Well Report.
	Well Inspection Report.
	Rig Inspection Report.
	Battery Inspection Report.
	Equipment Report.
	Well Card.
	New Service Well Report.
	Monthly Water Flood Operations Report
	Monthly Water Receipts and Disposal of Fluids Report Logs. Large scale Small scale

Drilling Authority No. 131

Date Issued Nov. 29/68

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT

~~CONFIDENTIAL~~ DIVISION

OIL & MINERAL

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 Cause et al E. Cameron Hills N-34

Permit No. **4527** License No. _____

Canadian Superior Oil Ltd. **Exploratory Licence No. 1206**
(Production, Licence, Lease)

United Cases Oil & Gas Ltd. Exploratory Licence No. 1296
(Operator)

Location: Unit 2 Section 32 Grid 60-10 116-45

Latitude 60° 03' 17.25" Longitude 116° 51' 03.4"

From Established Reference Marker On Shot Point #73, Line C-5

Universal Well Location Reference 00. 12475° N. Lat. 116. 03084° E. Long.

	DATE	DEPTH
Spudded	Dec. 2/68	
Suspended	-	
Resumed Operations	-	
Finished Drilling	Dec. 26/68	3201'
Deepened	-	
Complete (gas/oil)	-	
Abandoned	Dec. 30/68	
Rig released	Dec. 31/68	

Pool(s) _____
Interval(s) open to production _____

Elevation: Gr. 963' K.B. 974'

Rig No. 1

Drilling Contractor Vanderschiff Drilling

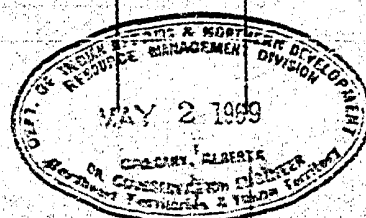
Contractor's Business Licence No. A11238

CASING RECORD

	Casing Size (Inches)	Grade	Weight	Amount	Set at -	Sacks of Cement and Additives
1.	9-5/8"	N-40	33.3#	11 lbs	327'	215 sac + 2% CaCl ₂
2.						
3.						
4.						
5.						
6.						

[illegible]

LAND 52-90(2) (3-67)





DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
RESOURCE MANAGEMENT DIVISION

Application to Abandon a Well ~~on Cameron Hills H-94~~

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 et al N. Cameron Hills H-94
Location: Unit H Section 34 Grid 60-10, 116-45
Latitude 60° 03' 17.25" Longitude 116° 51' 03.4"
From Established Reference Marker On Shot Point #75 Line C-5
Universal Well Location Reference 60.05479° N. Lat. 116.85094° W. Long.
Permit No. 4587 Lease No. _____

Canadian Superior Oil Ltd.
(Production, Leasing, Loans)

Date of commencement of proposed program December 30, 1968

OIL, GAS, AND WATER ENCOUNTERED
(Depths)

Oil at None

Gas at _____

Water at _____

Total Depth 3201'

Date of last operations Rig released 3:00 a.m. Dec. 31/68

Present condition of well Plugged and abandoned.

NOTE: Verbal approval for abandonment obtained Dec. 29/68, from Mr. B. Thoms, Dept. of Indian Affairs & Northern Development.

CASING RECORD

Casing Size (O.D. inches)	Weight	Amount	Set At	Seals of Cement and Additives	Amount Pulled
1. <u>9-5/8"</u>	<u>33.3#</u>	<u>11 lbs.</u>	<u>327'</u>	<u>215 sx + 2% CaCl₂</u>	<u>-</u>
2. _____	_____	_____	_____	_____	_____
3. _____	_____	_____	_____	_____	_____
4. _____	_____	_____	_____	_____	_____
5. _____	_____	_____	_____	_____	_____

PROPOSED ABANDONMENT PROGRAM

No.	Flag Position	Geological Formation	Number of Seals of Cement	Remarks
1	<u>2200'-3200'</u>	_____	<u>405 sx</u>	_____
2	<u>275'-375'</u>	_____	<u>50 sx</u>	<u>+ 3% CaCl₂. Felt at 280'</u>
<u>5-sack cement plug in top of casing and steel plate welded on.</u>				
<u>Identification marker installed at wellhead.</u>				

The following logs have been run Dual Ind. Lat., BHC Sonic w/caliper, BHC Density w/caliper
Other operations proposed None

Operations to be carried out by Vandergrift Gas & Oil Enterprises Ltd. Contractor Licence No. A11238
Address 940 - 8th Ave. S.W., Calgary 2, Alta Address P.O. Box 4338, Edmonton, Alta.
Responsible Agent in field J. O. Telfer
Dated at Calgary, this 3rd Day of January, 19 69
Signed by [Signature] Company United Canso Oil & Gas Ltd.
Title Gen. 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. Thoms on
the 29th of December 1968.

Dated 6th January, 19 69

[Signature]
Conservation Engineer

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

Drilling Authority No. 231

Project No.

File No.



DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
RESOURCE MANAGEMENT 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/Cameron Hills H-34
Location: Unit H Section 34 Grid 60-10, 116-45
Latitude 60° 03' 17.25" Longitude 116° 51' 03.4"
From Established Reference Marker On Shot Point #75 Line C-5
Universal Well Location Reference 69.05477° N. Lat. 126.8500° W. Long.
Elevation: Ground 961.8' K.B. 974' (est) feet above sea-level.
Well is expected to produce from Keg River formation at a depth
of about 3,000 feet. Expected total final depth 3,250 Ft.
Area assigned to well _____
(For Oil Conservation Engineer's use only)

Permit No. 4587 Lease No. _____ Acreage 63854 Ac.
Permitter, licensee, or lessee Canadian Superior Oil Ltd.
Exploratory Licence No. 1206
Surface owned by Crown or Crown
(If alienated submit name and address of owner and occupant.)
Petroleum and natural-gas rights owned by Crown

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

Casing Size O.D. (Inches)	Weight (Lb./Ft.)	Grade	New or Used	Estimated Depth	Section of Cement
1. <u>9 5/8"</u>	<u>32#</u>	<u>H40</u>	<u>New</u>	<u>350'</u>	<u>200</u>
2. <u>5 1/2" or 7"</u>	<u>As Required</u>		<u>New</u>	<u>3250'</u>	<u>As Required</u>
3.					
4.					
5.					

Expected water, gas, and oil horizons and type of control equipment Slave Point, Sulphur
Point & Keg River, Drilling Mud and Blowout
Preventers

Well will be drilled with Rotary Rig No. 1 by Vandergrift Gas & Oil Enterprises Ltd.
(Drilling Contractor or company)

Responsible agent of applicant:— Contractor's Business Licence No. A11238
At well J. O. Telfer At registered office W. H. Dyson
Address Well Site Address 940 - 8th Ave. S.W., Calgary (269-3151)
It is understood that if changes become necessary, notice of the change of plan will be submitted.
Dated at Calgary, this 19th day of November, 19 68
Signed by W. H. Dyson Company United Canso Oil & Gas Ltd.
Title Gen. Operations Supt. Operator's Licence No. 1196

(For Resource Management Division use only)

APPROVED

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

- The Company will submit to this office, on Tuesday of each week, the latest reports received by radio on the progress of the well.
 - Arrangements must be made with lessees of surface rights in Lot 2 of Group 763 for access over their lands if this is to be crossed.
- Dated 29th November, 19 68

Oil Conservation Engineer

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

LAND 52-92-1 (3-67)

UNIQUE WELL IDENTIFIER: 300H346010116450

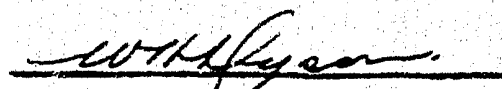
CANSO ET AL N. CAMERON HILLS H-34

WELL HISTORY

April 2, 1969

This report includes all information on the well Canco et al M. Cameron Hills M-34, and is for the files of the Department of Indian Affairs and Northern Development.

UNITED CANCO OIL & GAS LTD



W. H. Dyson,
General Operations Superintendent



TABLE OF CONTENTS

SECTION I

Summary of Well Data

SECTION II

Geological Summary

SECTION III

Engineering Summary

Drillstem Tests
Drilling
Bit Record
Deviation Record
Mud Control Record
Casing Record
Casing Cementation
Abandonment Plugs

SECTION IV

Logs

SECTION V

Analyses

SECTION I

SUMMARY OF WELL DATA

SUMMARY OF WELL DATA

Well: Canso et al N. Cameron Hills H-34

Permittee: Canadian Superior Oil Ltd.

Operator: United Canso Oil & Gas Ltd.

Location: Unit H. Section 34, Grid 60°10', 116°45'
Latitude 60°03' 17.25" N.; Longitude 116°51' 03.4" W.
On Shot Point #75, Line C-5
Universal Well Location Ref. - 60.05479° N. Lat.
116.85094° W. Long.
Unique Well Identifier - 300H340010116450

Co-Ordinates: Not applicable.

Permit No.: 4587

Drilling Contractor: Vandergrift Drilling Ltd. (Rig #1)

Drilling Authority: 331 - November 29, 1968

Classification: Wildcat

Elevation: Ground - 963'
11' Ground to K.B. interval
K.B. - 974'

Spudded: 2:00 a.m. December 2, 1968

Completed Drilling: 11:45 a.m. December 26, 1968

Total Depth: 3201' Driller; 3198' Schlumberger

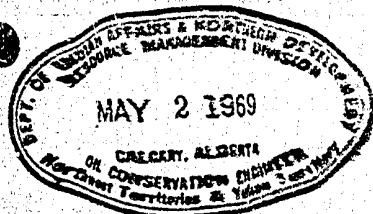
Rig Released: 3:00 a.m. December 31, 1968

Well Status: Plugged and abandoned

Hole Size: 13-3/4" - Surface to 210'
12-1/4" - 210' to 327'
8-3/4" - 327' to 1664'
8-5/8" - 1664' to 3201'

Casing: 11 joints (332.55') of 9-5/8", 33.3#, H-40, Range 2 casing cemented at 327' with 215 sacks cement plus 2% calcium chloride.

Abandonment - Plugs: #1 2200' - 3100' using 405 sacks cement.
#2 275' - 375' using 50 sacks plus 3% calcium chloride. 280'
#3 Surface using 5 sacks cement. Welded plate on top.



SECTION II

GEOLOGICAL SUMMARY

Well Summary

Cameron Hills H-34

GEOLOGIC SUMMARYFormation Tops:

K.B. 974'

<u>Marker</u>	<u>Samples</u>		<u>Logs</u>	
	<u>Depth</u>	<u>Subsea</u>	<u>Depth</u>	<u>Subsea</u>
Cretaceous	120'	+ 854		
Wabamun	150	+ 824		
Fort Simpson	1160	- 186	1006'	- 32
Beaverhill Lake	2170	-1196	2175	-1201
Slave Point	2270	-1296	2252	-1278
Fort Vermilion	2364	-1390	2355	-1381
Watt Mountain	2415	-1441	2426	-1452
Sulfur Point	2425	-1451	2432	-1458
Muskeg	2470	-1496	2467	-1493
Upper Keg River	2675	-1901	2866	-1892
Lower Keg River			3000	-2026
Chinchaga Anhy.	3125	-2151	3120	-2146
Precambrian	3178	-2204	3176	-2202
Total Depth - Driller			3200	-2226
- Schlumberger			3176	-2202

Cores:

Core #1 (2900-2960') Recovered 60' (100%)

Well Summary

Cameron Hills H-34

GEOLOGIC SUMMARY

Sample Description:

By: R.E.Hay

K.B. 974'

Note: Samples from surface to 2,000 feet
were not time lagged.

- 0- 20' SILT, SAND & GRAVEL. Most of mud was washed out of samples.
- 20- 40 As above w/ some ls frags.
- 40- 70 Silt & unconsol sd; also ls frags.
- 70- 100 SILT & SAND: v f-crs gr, tr v f clear-lt gy glauc sd, pyr.
- 100- 120 SILT & SAND: as above; SANDSTONE: lt-med gy, f gr, arg & silty, glauc.

CRETACEOUS 120' (+854)

- 120- 130 SANDSTONE: lt-med gy, f gr, glauc, arg & silty in pt; ls, cht, pyr, qtz & sh frags, subrded to ang.
- 130- 150 SAND: crm, f gr, unconsol; minor lt-dk gy ss as above; ls, cht, qtz, pyr & sh frags.

WABAMUN 150' (+824)

- 150- 160 LIMESTONE: crm-lt brn, crypto-microxln, dol in pt, ti; minor sd, pyr, etc., as above.
- 160- 190 LIMESTONE: as above; minor sd, pyr, qtz frags, etc.
- 190- 200 No sample.

Well Summary

Cameron Hills H-34

Sample Description ... cont'd

- 200- 270' LIMESTONE: bf-lt brn, crypto-microxln, dol in pt, sl arg; tr foss frags.
- 270- 310 LIMESTONE: crm-bf & gysh bf, occ dk gysh brn, crypto-microxln, arg in pt, hd, ti; tr pyr, qtz.
- 310- 340 No samples.
- 340- 400 LIMESTONE: bf-lt brn, occ gysh bf, crypto-microxln, arg in pt, hd, ti; tr pyr.
- 400- 410 LIMESTONE: as above; SHALE: lt gysh grn, micro-mic, platy, dol to calc in pt.
- 410- 450 LIMESTONE: crm-bf & gysh bf, crypto-microxln, sl arg in pt; minor sh as above.
- 450- 500 LIMESTONE: bf-gysh bf & brn, crypto-microxln, arg, hd, ti; SHALE: lt-med gy & gysh grn, platy, micromic, dol to calc in pt.
- 510- 510 No sample.
- 510- 520 LIMESTONE: crm-gysh bf, crypto-microxln, arg in pt, appears to contain dissem copper; minor dk gy-gysh grn shaly ptgs.
- 520- 550 LIMESTONE: crm-gysh bf, crypto-microxln, arg in pt; minor lt grn-dk gy & blk shaly ptgs.
- 550- 560 LIMESTONE: as above; tr dissem copper, shaly ptgs, as above.
- 560- 710 LIMESTONE: crm-gysh bf & brn, crypto-microxln, arg in pt; minor dk gy-blk & lt grn shaly ptgs; tr pyr.
- 710- 760 LIMESTONE: crm-dk gysh bf, crypto-microxln, arg; lt grn, lt-dk gy & blk shaly ptgs.
- 760- 850 LIMESTONE: lt-dk gysh bf, crypto-microxln, v arg; minor shaly ptgs, as above.

Well Summary

Cameron Hills H-34

Sample Description ... cont'd

- 850- 890' LIMESTONE: crm-gysh bf & brn, crypto-microxln, arg in pt; lt grn, gy & dk gy shaly ptgs; tr pyr, foss frags.
- 890- 910 LIMESTONE: as above; SHALE: lt-dk gysh grn, lt-dk gy, platy, micromic, dol to calc in pt.
- 910- 920 LIMESTONE: bf-lt & dk gysh brn, crypto-microxln, arg, gysh grn-dk gy & blk shaly ptgs.
- 920-1000 LIMESTONE: as above; SHALE: lt gysh grn, dk gy-blk, blocky to platy & splintery, occ silty; tr pyr, foss frags.
- 1000-1010 LIMESTONE: crm-gysh bf, crypto-microxln, arg in pt, lt grn-lt & dk gy shaly ptgs.
- 1010-1020 LIMESTONE: as above; SHALE: lt grn, gysh grn, lt-dk gy, blocky to splintery, occ silty.
- 1020-1040 LIMESTONE: 90%; SHALE: 10%, as above.
- 1040-1050 LIMESTONE: 80%; SHALE: 20%, as above.
- 1050-1080 LIMESTONE: 60%; SHALE: 40%, as above.
- 1080-1100 SHALE: 60%, lt grn, gysh grn, lt-dk gy, platy to splintery, micromic, dol to calc in pt, occ silty; LIMESTONE: lt bf-gysh bf, v arg, ti; tr pyr, foss frags.
- 1100-1110 LIMESTONE: 60%; SHALE: 40%, as above.
- 1110-1120 LIMESTONE: 50%; SHALE: 50%, as above.
- 1120-1130 SHALE: 70%, LIMESTONE: 30%, as above.
- 1130-1170 LIMESTONE: 80%, lt-dk gysh bf, v arg; SHALE: 20%, lt grn, lt gy, occ dk gy, silty in pt; tr pyr, foss frags.

Note: samples from 1170-1590' very poor quality.

Well Summary

Cameron Hills H-34

Sample Description ... cont'd

PORT SIMPSON 1160' (-186)

- 1170-1180' LIMESTONE: 60%, SHALE: 40%, as above.
- 1180-1260 SHALE: lt-med gy, occ lt grn, blocky, calc, micromic, grdg in pt to v arg ls.
- 1260-1280 No samples.
- 1280-1310 SHALE: as above; tr ls, pyr.
- 1310-1340 SHALE: as above; minor lt-dk gysh grn sh.
- 1340-1350 SHALE: 80%, as above; LIMESTONE: 20%, crm-gysh bf, cryptoxln, arg in pt, ti.
- 1350-1370 SHALE: 50%, LIMESTONE: 50%, as above.
- 1370-1390 LIMESTONE: 70%, as above, v arg; SHALE: 30%, as above; tr pyr.
- 1390-1440 SHALE: 70%, as above; LIMESTONE: 30%, as above.
- 1440-1450 SHALE: med gy, minor gysh grn, blocky, micromic, calc in pt, occ silty; tr pyr, ls.
- 1450-1500 SHALE: 80%, as above; LIMESTONE: 20%, lt bf-gysh bf, cryptoxln, arg in pt.
- 1500-1520 No samples.
- 1520-1580 SHALE: lt-dk gy & blk, minor lt grn, blocky to platy, occ splintery, micromic, occ silty; tr ls, pyr.
- 1580-1600 SHALE: as above, some lt-dk brn; tr ls, pyr.
- 1600-1640 SHALE: lt-dk gy, occ gysh grn, blocky to splintery, micromic, occ silty; tr pyr, ls.

Well Summary

Cameron Hills H-34

Sample Description ... cont'd

- 1640-1810' SHALE: lt-dk gy & gysh grn, blocky to splintery, micromic, occ silty; tr pyr, ls.
- 1810-1830 SHALE: as above, occ lt-dk brn; tr pyr, ls.
- 1830-1960 SHALE: lt-dk gy & gysh grn, blocky to splintery, micromic, occ silty; tr ls.
- 1960-2000 SHALE: as above, some dk gy-blk; tr pyr, ls.
- 2000-2020 SHALE: 90%, lt-dk gysh grn, occ lt grn, platy to splintery, micromic, occ silty; LIMESTONE: 10%, gysh bf, cryptoxln, dol, arg; tr pyr, calcite.
- 2020-2180 SHALE: as above; tr ls, pyr, calcit.

BEAVERHILL LAKE 2170' (-1196)

- 2180-2190 SHALE: as above w/ some dk gy-dk brn & blk sh; tr ls, pyr.
- 2190-2205 SHALE: as above, abund dk gy-dk brn & blk bit sh, calc in pt, occ silty.
- 2205-2210 SHALE: lt-dk gysh grn, occ lt grn, minor dk gy-blk, platy to splintery, micromic, occ silty; tr ls, pyr.
- 2210-2230 SHALE: 90%, as above; LIMESTONE: 10%, crm-gysh bf & gy, cryptoxln, arg in pt, foss, ti; tr pyr.
- 2230-2235 SHALE: 85%, as above; LIMESTONE: 15%, as above, pyr in pt.
- 2235-2240 SHALE: 95%, as above; LIMESTONE: 5%, as above.
- 2240-2250 SHALE: 90%, as above; LIMESTONE: 10%, as above.

Well Summary

Cameron Hills H-34

Sample Description ... cont'd

- 2250-2260' SHALE: 60%, as above; LIMESTONE: 40%, lt & dk brn, occ lt bf, crypto-microxln, arg in pt, sl pyr, tr foss frags, ti.
- 2260-2270 LIMESTONE: 70%, as above; SHALE: 30%, as above.

SLAVE POINT 2270' (-1296)

- 2270-2280 LIMESTONE: 80%, lt-dk brn, occ lt bf, crypto-microxln, foss, tr foss frags, sl arg, hd, ti; SHALE: 20%, as above.
- 2280-2290 LIMESTONE: 70%, as above; SHALE: 30%, as above, some dk gy-blk plty; tr pyr.
- 2290-2300 LIMESTONE: 90%, bf-lt & dk brn, crypto-microxln, sl chalky in pt, foss, ti; SHALE: 10%, lt-dk gy & gysh grn; tr pyr.
- 2300-2330 LIMESTONE: 90%, as above, scat pale yel fluor, sl cut when treated w/ chlorothene, no apparent por, ti; SHALE: 10%, as above; tr pyr.
- 2330-2340 LIMESTONE: 90%, as above, also some v dk brn-blk, scat pale yel fluor, ti.
- 2340-2360 LIMESTONE: 80%, crm-lt & dk brn, crypto-microxln, foss, sl chalky, no apparent por, ti; SHALE: 20%, lt-dk gy & blk, occ gysh grn; tr pyr.
- 2360-2365 LIMESTONE: 90%, as above, sl anhy, tr wh-lt brn anhy, ti; SHALE: 10%, lt-med gy, occ dk gy & gysh grn.

FORT VERMILION 2364' (-1390)

- 2365-2370 ANHYDRITE: 80%, wh-lt & dk brn, mass; LIMESTONE: 15%, crm-dk brn, crypto-microxln, anhy, dns, ti; SHALE: 5%, lt & dk gy & gysh grn.

Well Summary

Cameron Hills H-34

Sample Description ... cont'd

- 2370-2375' ANHYDRITE: 50%, as above; LIMESTONE: 30%, as above; SHALE: 10%, as above.
- 2375-2380 LIMESTONE: 50%, as above; ANHYDRITE: 40%, as above; SHALE: 10%, as above.
- 2380-2395 LIMESTONE: 50%, as above; ANHYDRITE: 30%, as above; SHALE: 20%, as above.
- 2395-2405 LIMESTONE: 50%, czm-lt & dk brn, crypto-microlin, occ f sucrosic, dol in pt, anhy in pt, ti; ANHYDRITE: 25%, as above; SHALE: 25%, as above.
- 2405-2415 SHALE: 60%, mostly med gy, occ lt-dk gy, minor gysh grn, platy to splintery, occ silty; LIMESTONE: 20%, as above; ANHYDRITE: 20%, as above.

WATT MOUNTAIN 2415' (-1441)

- 2415-2420 SHALE: 75%, lt-dk gy, occ gysh grn, platy to splintery, occ silty; LIMESTONE: 15%, as above, dol & f sucrosic in pt; ANHYDRITE: 10%, as above.
- 2420-2425 SHALE: 60%, as above, tr bright grn waxy sh; DOLOMITE: 20%, bf, f sucrosic, calcitic, si arg, ti; LIMESTONE & ANHYDRITE: 20%, as above.

SULFUR POINT 2425' (-1451)

- 2425-2430 SHALE: 80%, as above; DOLOMITE: 10%, as above; LIMESTONE & ANHYDRITE: 10%, as above.

Note: Samples from 2430-2520' very poor due to cavings Fort Simpson shales.

- 2430-2435 SHALE: 95%, cvgs; DOLOMITE: bf, v f sucrosic, calcitic in pt, no apparent por; tr ls & anhy.

Well Summary

Cameron Hills H-34

Sample Description ... cont'd

- 2435-2445' SHALE: 90%, as above, cvgs; LIMESTONE: 10%, crm to brn, cryptoxln, dol, ti; tr dol as above.
- 2445-2455 SHALE: 60%, as above, cvgs; LIMESTONE: 40%, crm-lt brn, crypto-microxln, occ f gran, dol, tr scat intergran & p.p. por; tr anhy.
- 2455-2460 SHALE: 80%, cvgs; LIMESTONE: 20%, crm-brn, crypto-microxln, dol in pt, no apparent por; tr dol, anhy.
- 2460-2465 SHALE: 90%, cvgs; LIMESTONE: 10%, as above; tr dol, anhy, calcite xls.
- 2465-2470 SHALE: 70%, cvgs; DOLOMITE: 30%, bf-lt & dk brn, microxln to med xln, grdg in pt to dol ls; tr dol rhombs, anhy.

MUSKEG 2470' (-1496)

- 2470-2475 SHALE: 90%, cvgs; ANHYDRITE: 10%, wh-lt brn; tr dol & ls, as above.
- 2475-2480 SHALE: 50%, cvgs; DOLOMITE: 30%, bf-dk brn, micro to f xln, anhy; ANHYDRITE: 20%, wh-lt brn, mass.
- 2480-2490 SHALE: 90%, cvgs; DOLOMITE & ANHYDRITE: 10%, as above.
- 2490-2495 DOLOMITE: 40%, bf-lt & dk brn, microxln to f xln, anhy; ANHYDRITE: 20%, wh-lt brn; SHALE: 40%, cvgs.
- 2495-2520 SHALE: 80%, cvgs; DOLOMITE & ANHYDRITE: 20%, as above.
- 2520-2530 DOLOMITE: 70%, bf-lt & dk brn, microxln to med xln, anhy; ANHYDRITE: 15%, wh-lt brn, dol in pt; SHALE: 15%, cvgs.

Well Summary

Cameron Hills H-34

Sample Description ... cont'd

- 2530-2535' DOLOMITE: 80%, as above; ANHYDRITE: 15%, as above; SHALE: 5%, cvgs.
- 2535-2550 DOLOMITE: 50%, as above; ANHYDRITE: 30%, as above; SHALE: 10%, cvgs.
- 2550-2555 ANHYDRITE: 50%, wh-lt & dk brn, dol in pt; DOLOMITE: 40%, bf-lt & dk brn, crypto-f xln, anhy, ti; SHALE: 10%, cvgs.
- 2555-2560 ANHYDRITE & DOLOMITE: 50%, as above; SHALE: 50%, cvgs.
- 2560-2565 ANHYDRITE & DOLOMITE: 70%, as above; SHALE: 30%, cvgs.
- 2565-2570 DOLOMITE: 50%, crm to lt-dk brn, crypto to f xln, anhy, ti, sl pyr in pt; ANHYDRITE: 40%, wh-lt & dk brn, dol in pt; SHALE: 10%, cvgs.
- 2570-2585 DOLOMITE & ANHYDRITE: 40%, as above; SHALE: 60%, cvgs.
- 2585-2610 DOLOMITE & ANHYDRITE: 30%, as above; SHALE: 70%, cvgs.
- 2610-2615 DOLOMITE: 40%, bf-lt & dk brn, crypto-f xln, anhy, ti; ANHYDRITE: 20%, wh-brn, dol; SHALE: 40%, cvgs; tr pyr.
- 2615-2620 DOLOMITE: 60%, as above; ANHYDRITE: 30%, as above; SHALE: 10%, cvgs.
- 2620-2635 ANHYDRITE: 30%, as above; DOLOMITE: 20%, as above; SHALE: 50%, cvgs.
- 2635-2645 ANHYDRITE & DOLOMITE: 30%, as above; SHALE: 70%, cvgs.
- 2645-2650 DOLOMITE & ANHYDRITE: 40%, as above; SHALE: 60%, cvgs.

Well Summary

Cameron Hills H-34

Sample Description ... cont'd

- 2650-2660' ANHYDRITE: 50%, wh-lt & dk brn, dol in pt;
DOLOMITE: 30%, bf-dk brn, crypto-f xln, anhy,
ti, tr pyr; SHALE: 20%, cvgs.
- 2660-2670 DOLOMITE: 60%, as above; ANHYDRITE: 30%, as
above; SHALE: 10%, cvgs; tr clear lath-like
selenite xls.
- 2670-2690 DOLOMITE: 60%, as above; ANHYDRITE: 20%, as
above; SHALE: 20%, cvgs.
- 2690-2695 DOLOMITE: 50%, as above; ANHYDRITE: 40%, as
above; SHALE: 10%, cvgs.
- 2695-2720 DOLOMITE: 40%, as above; ANHYDRITE: 30%, as
above; SHALE: 30%, cvgs.
- 2720-2725 ANHYDRITE: 50%, wh-brn, dol; DOLOMITE: 30%, bf-
dk brn, crypto-f xln, anhy in pt; SHALE: 20%,
cvgs.
- 2725-2730 ANHYDRITE & DOLOMITE: 50%, as above; SHALE:
50%, cvgs.
- 2730-2735 DOLOMITE & ANHYDRITE: 60%, as above; SHALE:
40%, cvgs.
- 2735-2740 ANHYDRITE: 40%, wh-brn, dol; DOLOMITE: 30%, bf-
dk brn, crypto-f xln, anhy; SHALE: 30%, cvgs.
- 2740-2745 ANHYDRITE: 70%, as above; DOLOMITE: 20%, as
above; SHALE: 10%, cvgs.
- 2745-2770 ANHYDRITE: 60%, as above; DOLOMITE: 20%, as
above; SHALE: 20%, cvgs.
- 2770-2805 DOLOMITE & ANHYDRITE: 50%, as above; SHALE:
50%, cvgs.
- 2805-2815 DOLOMITE: 40%, bf-lt & dk brn, crypto-f xln,
anhy in pt; ANHYDRITE: 20%, wh-brn, dol;
SHALE: 40%, cvgs.

Well Summary

Cameron Hills H-34

Sample Description ... cont'd

- 2815-2845' DOLOMITE & ANHYDRITE: 40%, as above; SHALE: 60%, cvgs.
- 2845-2855 ANHYDRITE: 50%, wh-brn, dol in pt; DOLOMITE: 30%, bf-lt & dk brn, crypto-f xln, anhy, ti; SHALE: 20%, cvgs; tr foss frags.
- 2855-2865 DOLOMITE: 60%, bf-dk brn, crypto-f xln, occ med-crsly xln, anhy, ti; ANHYDRITE: 20%, wh-brn, dol; SHALE: 20%, cvgs.
- 2865-2875 DOLOMITE: 40%, as above; ANHYDRITE: 30%, as above; SHALE: 30%, as above.

UPPER KEG RIVER 2875' (-1901)

- 2875-2900 DOLOMITE: 80%, bf-lt & dk brn, microxln to f xln, sl anhy, tr clear-wh xls (selenite?); ANHYDRITE: 10%, wh-brn, dol in pt; SHALE: 10%, cvgs.

Core Description:

Core #1 (2900-2960') Recovered 60' (100%)

Box #1 (2900.0-2904.8')

- 4.8' DOLOMITE: lt-dk brn, microxln, scat microvuggy por w/ clear-wh xl growth within vugs; no effec por or perm; top foot vert frac w/ spotty pale yel fluor along frac plane, hairline vert frac near base of interval w/ lt brn oil st & pale yel fluor, styl in pt.

Box #2 (2904.8-2909.4')

- 4.6' DOLOMITE: lt-dk brn & blk, microxln, scat pockets & patches clear-wh xln dol infilling vugs, also occ vert frac healed w/ clear-wh xln gyps; no apparent por & perm, styl in pt.

Well Summary

Cameron Hills H-34

Core Description ... cont'd

Box #3 (2909.4-2914.0')

4.6' DOLOMITE: as above, vert frac near base of interval w/ scat pale yel fluor along frac plane, also occ minor hairline frac w/ lt brn oil st & pale yel fluor, otherwise no apparent por or perm, styl in pt.

Box #4 (2914.0-2918.5')

4.5' DOLOMITE: as above, occ hairline frac w/ lt brn oil st & pale yel fluor; 3" open vert frac near center of interval w/ lt brn oil st & some pale yel fluor, also some clear-brn xln gyps along frac plane, otherwise no apparent por or perm, styl in pt.

Box #5 (2918.5-2922.9')

4.4' DOLOMITE: as above, scat pockets & inclis clear-wh gyps occ in xln form; top few inches of interval vert frac, sl petrol odor & lt brn st w/ some pale yel fluor; few scat hairline fracs w/ lt brn st & pale yel fluor, styl in pt.

Box #6 (2922.9-2927.6')

4.7' DOLOMITE: as above, scat pockets & inclis wh gyps, few vert fracs healed w/ clear-wh xln gyps (selenite?); few hairline fracs w/ lt brn oil st & pale yel fluor.

Box #7 (2927.6-2932.2')

4.6' DOLOMITE: all as above.

Box #8 (2932.2-2936.9')

4.7' DOLOMITE: as above, v gypsif, ti, no oil st.

Box #9 (2936.9-2941.5')

3.8' DOLOMITE: as above.

0.8' DOLOMITE: lt-dk brn & blk, microxln, pockets & patches clear-wh xln gyps; scat microvuggy to p.p. & f vuggy por, oil st w/ pale yel fluor, poor por & perm, styl in pt.

Box #10 (2941.5-2946.3')

4.8' DOLOMITE: as above, heavily oil st, xln gyps (selenite) destroys much of vuggy por; scat p.p. to f vuggy por w/ occ large vugs bleeding dk brn oil, vert frac in pt, scat pale-golden yel fluor, overall por & perm, poor to fair; styl & foss in pt.

Well Summary

Cameron Hills H-34

Core Description ... cont'd

Box #11 (2946.3-2950.7')

- 0.8' DOLOMITE: as above, heavily oil st, scat p.p. to vuggy por, poor por & perm.
3.6' DOLOMITE: lt-dk brn & blk, microxln, v gypsif, irreg patches, bands & pockets clear-wh gyps, vert frag near center of interval, few hairline frags bleeding dk brn oil w/ pale yel fluor, styl in pt, hd, ti.

Box #12 (2950.7-2955.4')

- 2.7' DOLOMITE: as above.
1.0' GYPSUM: wh-gysh wh, mass, dol in pt.
1.0' DOLOMITE: lt-dk brn & blk, microxln, gypsif, hd, ti; tr relict foss.

Box #13 (2955.4-2959.8')

- 4.4' DOLOMITE: as above, v gypsif, clear-wh gyps, some large xls, also some mass gysh-wh gyps, ti, some scat hair-line frags w/ dk brn oil st & pale yel fluor.

Coring Times: 7, 8, 8, 8, 7, 8, 9, 9, 7, 7, 8, 8, 8, 8, 8,
8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 9, 8, 9,
9, 8, 8, 8, 8, 8, 8, 10, 9, 8, 8, 8, 8, 8, 8,
11, 11, 11, 9, 10, 11, 10, 10, 9, 10, 10, 10,
10, 12, 14.

Sample Description ... cont'd

- 2960-2985' DOLOMITE: 80%, bf-lt & dk brn, occ blk, micro to f xln, tr clear-wh xls (selenite); tr gyps;
SHALE: 20%, cvgs.
- 2985-2995 DOLOMITE: 90%, minor bf ls, lt-dk brn & blk, micro-f xln, tr clear-wh selenite xls, tr gyps;
SHALE: 10%, cvgs.
- 2995-3010 DOLOMITE: 80%, as above; SHALE: 20%, as above.
- 3010-3045 DOLOMITE: 80%, lt-dk brn & blk, crypto-microxln, tr clear-wh selenite xls, tr gyps; SHALE: 20%, cvgs; tr foss frags.

Well Summary

Cameron Hills H-34

Sample Description ... cont'd

- 3045-3055' DOLOMITE: 90%; SHALE: 10%; all as above.
3055-3085 DOLOMITE: 80%; SHALE: 20%, all as above.
3085-3095 DOLOMITE: 90%; SHALE: 10%, all as above, tr pyr.
3095-3125 DOLOMITE: 80%, bf-lt & dk brn & blk, crypto-xln, tr clear-wh selenite; tr wh-bf gyps; SHALE: 20%, cvgs, some med gy splintery dol to calc sh.
-

CHINCHAGA 3125' (-2151)

- 3125-3130 DOLOMITE: 80%, as above, some bf-lt brn lith dol, sl anhy, tr anhy; SHALE: 20%, as above, some lt-med gy dol w/ some dk brn-blk speckles.
3130-3135 DOLOMITE: 70%, as above, anhy; SHALE: as above.
3135-3145 No samples.
3145-3150 DOLOMITE: 60%, bf-dk brn & blk, cryptoxln, anhy; ANHYDRITE: 10%, wh-brn; SHALE: 30%, as above.
3150-3160 DOLOMITE: 70%; ANHYDRITE: 10%; SHALE: 20%, all as above.
3160-3175 DOLOMITE: 60%; ANHYDRITE: 20%; SHALE: 20%, all as above.
3175-3180 DOLOMITE: 60%; ANHYDRITE: 20%; SHALE: 10%, all as above; QUARTZ: 10%, clear-wh, ang, hd, brittle; tr pyr, subrded qtz grs, soft, wh, kaol.
-

PRECAMBRIAN 3178' (-2204)

- 3180-3185 QUARTZ: 40%, as above, tr clear-frosted subrded qtz grs, soft, wh kaol & tr some qtz w/ lt pk-lt red flecks & spots (feldspar?); SHALE: 60%, as above.

Well Summary

Cameron Hills H-34

Sample Description ... cont'd

3185-3190' QUARTZ: 60%, as above; SHALE & DOLOMITE: 40%,
as above.

3190-3200 QUARTZ: 40%, as above, tr wh soft kaol & some
qtz grs w/ lt pk-lt red flecks (feldspar?);
SHALE & DOLOMITE: 60%, cvgs.

Total Depth - 3200' (Driller)

SECTION III

ENGINEERING SUMMARY

DRILLSTEM TESTS

D.S.T. #1 (2857'-2960') Upper Keg River

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

Weak air blow decreasing to slight, remained constant.

Recovered 273' fluid: 25' Gas-cut oil-flecked mud,
250' gas-cut mud

Pressures:

Initial Hydrostatic	- 1529 psi;	Final - 1529 psi
Flowing	148	160
Shut-in	1264	1034

D.S.T. #2 (2380'-2475') Sulfur Point

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

Good air blow with gas to surface in 30 mins., too small to measure. Flow remained steady.

Recovered 155' of gas-cut drilling mud.

Pressures:

Initial Hydrostatic	- 1275 psi;	Final - 1275 psi
Flowing	75 ;	101
Shut-in	757	989

D.S.T. #3 (2990'-3050') Lower Keg River

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

Weak air blow, remained steady.

Recovered 105' watery drilling mud

Pressures:

Initial Hydrostatic	- 1615 psi;	Final 1621 psi
Flowing	25	66
Shut-in	1272	1265

N. Cameron Hills H-34

Drilling:

Drilled 13-3/4" hole to 210' and 12-1/4" hole to 327'.
Cemented 9-5/8" casing at 327'.
Waited on cement 12 hours and installed B.O.P's.
Drilled 8-3/4" hole to 1664' and 8-5/8" hole from 1664' to 2900'.
Cut 60" core from 2900' to 2960' with 6-3/16" diamond bit.
Reamed cove hole and drilled 8-5/8" hole from 2960' to 3201'.

[illegible]

Drilling Summary

N. Cameron Hills H-34

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)	Dec. 2	92'	1°	10)	Dec. 9	836'	3/4°
2)		130'	3/4°	11)		1180'	3/4°
3)		147'	1/2°	12)	Dec. 10	1660'	3/4°
4)		173'	1°	13)	Dec. 11	2022'	1/2°
5)	Dec. 3	198'	1°	14)	Dec. 16	2530'	1-1/4°
6)		207'	3/4°	15)	Dec. 23	3000'	3°
7)	Dec. 4	263'	1°	16)	Dec. 24	3138'	3-3/4°
8)		286'	1/4°	17)	Dec. 26	3201'	5°
9)	Dec. 8	682'	1°				

Mud Control Data: (per 8-hour tour)

<u>From</u>	<u>To</u>	<u>Wt.</u>	<u>Vis.</u>	<u>W.L.</u>	<u>F.C.</u>	<u>pH</u>	<u>Additives</u>
0'	92'	8.5	38				
92'	132'	8.5	38				1500# gel; 50# lime
132'	173'	8.5	36				
173'	203'	9.1	34				
203'	210'	9.1	34				3000# gel; 100# lime
210'	271'	9.9	36				
271'	290'	9.8	80				
290'	310'	9.9	40				
310'	327'	9.9	40				
327'	460'	9.9	28				100# bicarbonate
460'	607'	8.4	28				
607'	744'	8.4	28				
744'	848'	8.8	29				
848'	933'	8.8	29				
933'	1180'	8.8	29				
1180'	1330'	8.8	40				3000# gel; 200# caustic; 700# Peltex
1330'	1585'	9.1	33	6.4	2/32	11.0	800# Peltex; 50# CMC; 150# caustic; 60 gals. Poly Plastic
1585'	1664'	8.4	40	6.4	2/32	11.0	1500# gel; 250# Peltex; 100# caustic
1664'	1838'	9.3	40	9.9	2/32	10.0	2000# gel
1838'	2099'	9.7	53	8.0	2/32	10.5	
2099'	2214'	9.8	47	7.6	2/32	10.5	
2214'	2255'	9.8	47	7.6	2/32	10.5	
2255'	2341'	10.3	35	8.4	2/32	12.0	3000# gel; 200# caustic; 200# Peltex
2341'	2393'	10.1	35	8.4	2/32	10.5	50# CMC; 50# Peltex
2393'	2425'	10.1	100	8.0	2/32	10.5	150# caustic; 250# Peltex
2425'	2437'	9.6	68	8.4	2/32	12.5	900# gel; 300# Peltex; 200# caustic
2437'	2485'	9.9	40	7.2	2/32	12.5	200# Peltex; 2600# gel
2485'	2537'	10.3	48	9.8	2/32	12.0	200# Peltex; 1500# gel; 200# caustic; 5 gals. Defoam
2537'	2570'	10.1	48	9.6	2/32	12.0	100# caustic; 100# Peltex
2570'	2597'	10.3	46	10.3	2/32	12.5	
2597'	2610'	10.3	46	10.3	2/32	12.5	
2610'	2634'	10.3	44	10.0	2/32	12.0	500# gel; 100# Peltex; 100# caustic
2634'	2681'	10.3	44	11.2	2/32	12.0	100# caustic; 100# Peltex; 100# CMC

Drilling Summary

N. Cameron Hills H-34

Mud Control Data: (cont'd)

<u>From</u>	<u>To</u>	<u>Wt.</u>	<u>Vis.</u>	<u>W.L.</u>	<u>F.C.</u>	<u>pH</u>	<u>Additives</u>
2681'	2719'	10.2	52	9.2	2/32	12.0	100# caustic; 100# Peltex; 50# CMC
2719'	2727'	10.3	49	9.0	2/32	12.0	
2727'	2784'	10.3	47	9.0	2/32	12.0	100# caustic; 100# Peltex; 100# CMC
2784'	2815'	10.3	48	8.0	2/32	12.0	100# Peltex; 100# caustic; 50# CMC
2815'	2843'	10.3	46	8.0	2/32	12.0	100# caustic; 100# Peltex
2843'	2882'	10.2	48	7.4	2/32	12.0	100# caustic; 900# gel; 100# Peltex
2882'	2900'	10.2	49	7.2	2/32	12.0	
2900'	2940'	10.5	42	7.6	2/32	10.2	1000# gel; 50# CMC
2940'	2960'	10.4	45	8.0	2/32	12.0	1500# gel; 50# caustic; 50# Peltex
Reaming		10.3	47	8.1	2/32	10.5	1500# gel; 50# caustic; 50# Peltex
2960'	3001'	10.0	46	7.0	2/32	12.0	50# caustic; 50# Peltex
3001'	3017'	10.2	52	6.4	2/32	10.5	50# CMC
3017'	3065'	10.3	45	6.4	2/32	10.5	2500# gel
3065'	3109'	10.2	55	6.2	2/32	10.0	100# caustic; 100# Peltex
3109'	3136'	10.3	55	6.6	2/32	10.0	
3136'	3138'	10.5	70	6.2	2/32	9.5	1600# gel; 200# caustic; 200# Peltex
3138'	3163'	10.2	55	6.8	1/32	10.5	
3163'	3193'	10.2	55	6.8	1/32	10.5	100# caustic; 1000# gel; 100# Peltex
3193'	3198'	10.3	53	6.4	2/32	10.5	
3198'	3201'	10.2	55	6.4	2/32	10.5	50# CMC

Total Additives:

29,500# gel
 150# lime
 100# bicarbonate
 550# CMC
 2,550# caustic
4,300# Peltex

37,150#

Plus 60 gallons Poly Plastic
 5 gallons Defoam

Casing Record:

<u>Size</u>	<u>Wt.</u>	<u>Grade</u>	<u>From</u>	<u>To</u>	<u>No. Joints</u>
9-5/8"	33.3#	H-40	Surface	327'	11 (332.55')

Casing CementationSurface Casing

Ran 11 joints of 9-5/8", 33.3#, H-40 casing equipped with guide shoe, float collar and two centralizers.

Set guide shoe at 327'.

Cemented casing with 215 sacks cement plus 2% calcium chloride.

Waited on cement 12 hours, installed B.O.P's and made satisfactory test of blind rams to 1500 psi for fifteen minutes.

Ran bit and made satisfactory test of 4-1/2" rams to 1200 psi for fifteen minutes.

Drilling Summary

N. Cameron Hills H-34

Abandonment:

Ran Plug #1 from 2200' to 3200' using 405 sacks cement.

Set bottom of drill pipe at 375'.

Ran Plug #2 from 275' to 375' using 50 sacks cement plus 3% calcium chloride.

Plug down at 3:00 p.m. December 30, 1968.

After 8 hours, felt for Plug #2 and found top of cement at 280'.

Placed 5-sack cement plug in top of casing and welded on steel plate.

Installed identification marker at wellhead.

Released drilling rig December 31, 1968.

/gm

Calgary

March 4, 1969.

SECTION IV

LOGS

SUMMARY OF LOGS

<u>Date</u>	<u>Run No.</u>	<u>Interval</u>	<u>Type of Log</u>
December 27, 1968	1	326'-3194'	Dual Induction-Laterolog
December 27, 1968	1	326'-3196'	Borehole Compensated Sonic Log
December 27, 1968	1	2150'-3197'	Formation Density Log

SECTION V

ANALYSIS



CORE LABORATORIES - CANADA LTD.

PETROLEUM RESERVOIR ENGINEERING

WATER ANALYSIS



File CEH-2-4099 Page 1 of 1

Company United Canso Oil & Gas Ltd.
Well Canso et al N. Cameron Hills H-34 K.B. Grd. 96'
Location 60 03'17.25"N.L. Cameron
116 51'03.40"W.L. Field Hills Area Province N.W.T.
Formation Lower Kog River Interval 2990'-3050'
Sampled from DST #3 (Top of Tool) by
Date sampled Dec. 29/68 Date analyzed Jan. 18/69 Analyst M.B.
Recovery 105% Watery Mud (Salty)

Mud type Water cushion
Resistivity 0.357 Ohm-meters @ 68 °F
Specific gravity 1.0150 @ 60 °F
pH 8.90 H₂S Absent
Refractive Index 1.338 @ 68° F
Total Solids:
Calculated 22,250 mg/liter
By evaporation @ 110°C - mg/liter
By evaporation @ 180°C - mg/liter
At ignition - mg/liter

MILLIGRAMS PER LITER

Na + K	Ca	Mg	Fe	Ba	Br	I	Cl	HCO ₃	SO ₄	CO ₃	OH
6,879	818	221	Pres.	Abs.	-	-	8,287	425	5,577	43	-

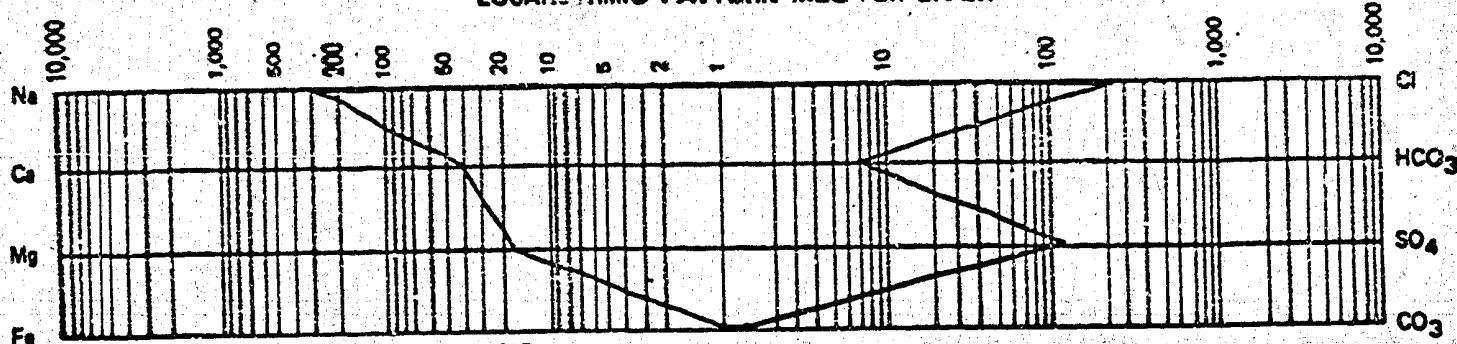
PER CENT CALCULATED SOLIDS

30.9	3.7	1.0	Pres.	Abs.	-	-	37.2	1.9	25.1	0.2	-
------	-----	-----	-------	------	---	---	------	-----	------	-----	---

MEQ PER LITER

299.1	40.8	18.2	Pres.	Abs.	-	-	233.7	7.0	116.0	1.4	-
-------	------	------	-------	------	---	---	-------	-----	-------	-----	---

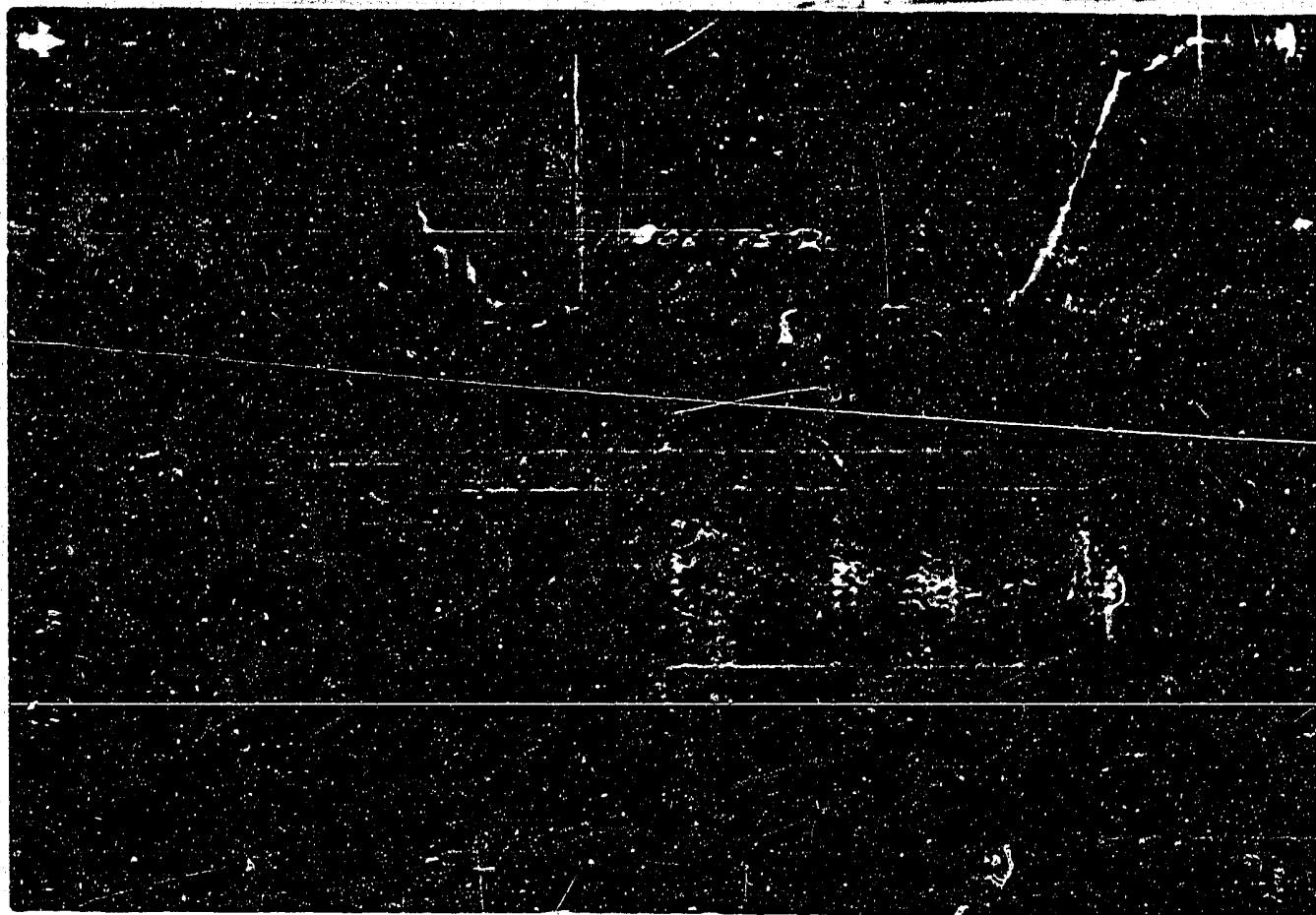
LOGARITHMIC PATTERN MEQ PER LITER



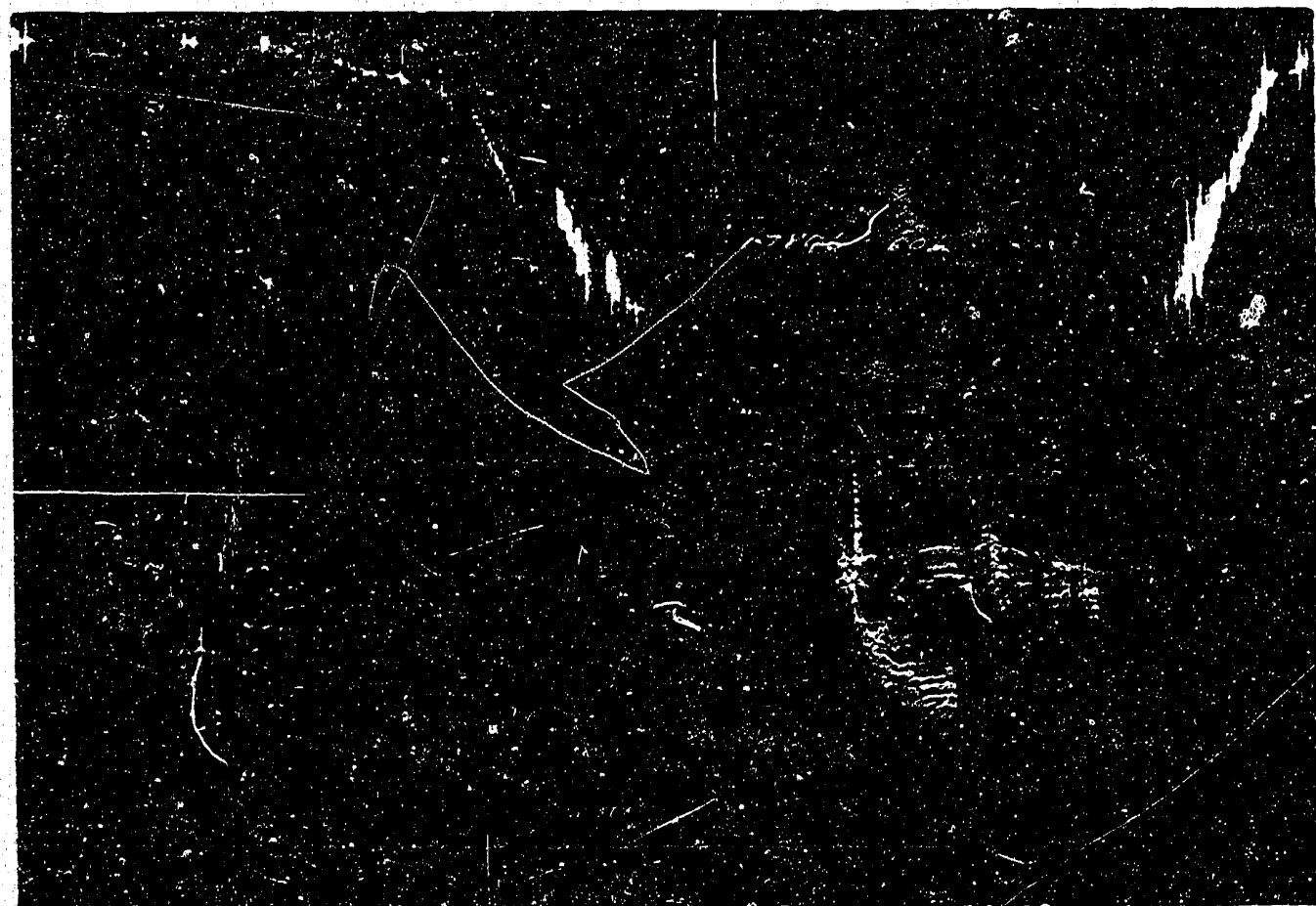
DST #3 - Centre of Recovery

Chloride = 8,184 mg/liter
Resistivity = 0.362 Ohm-meters @ 68° F

PRESSURE

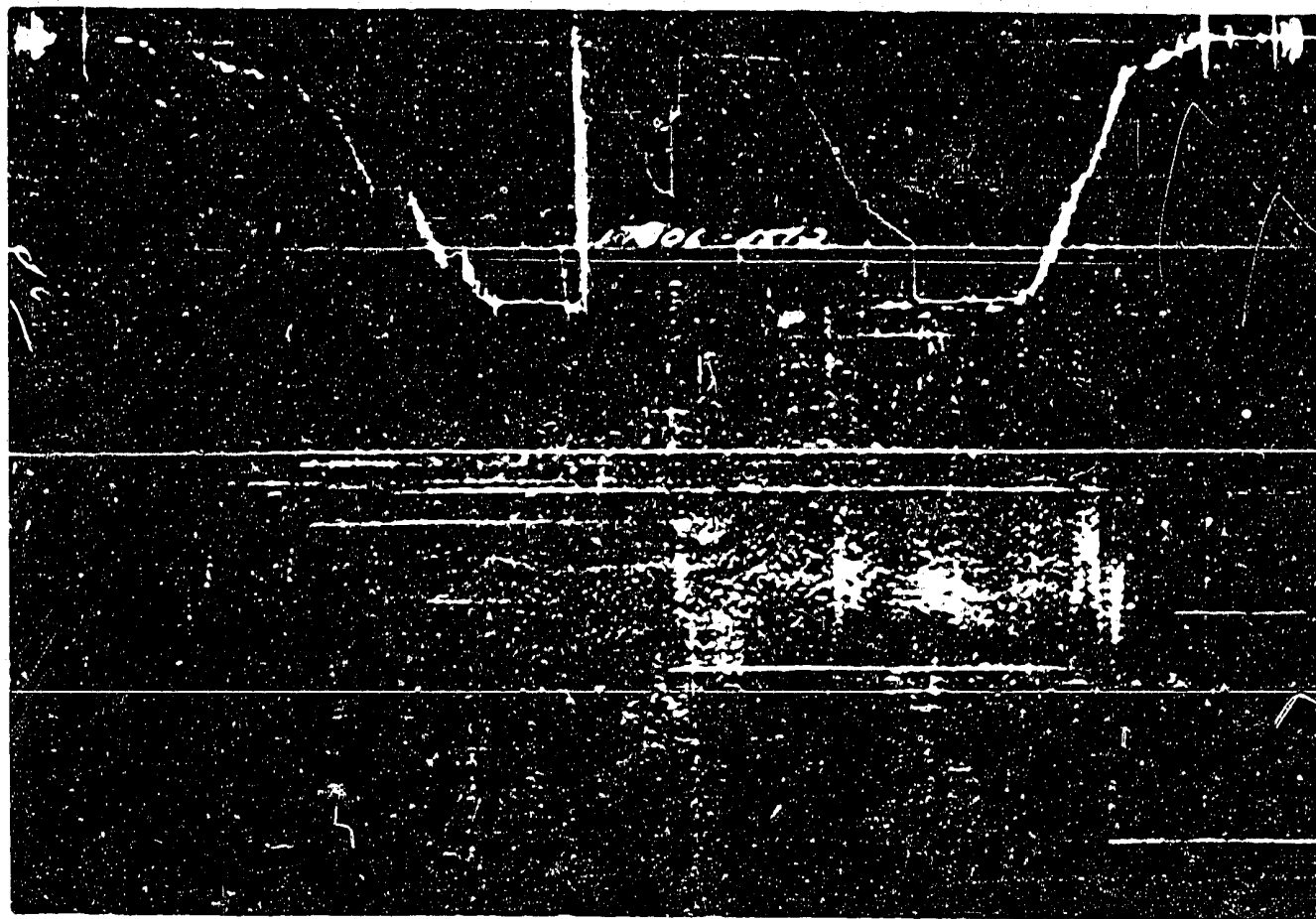


TIME

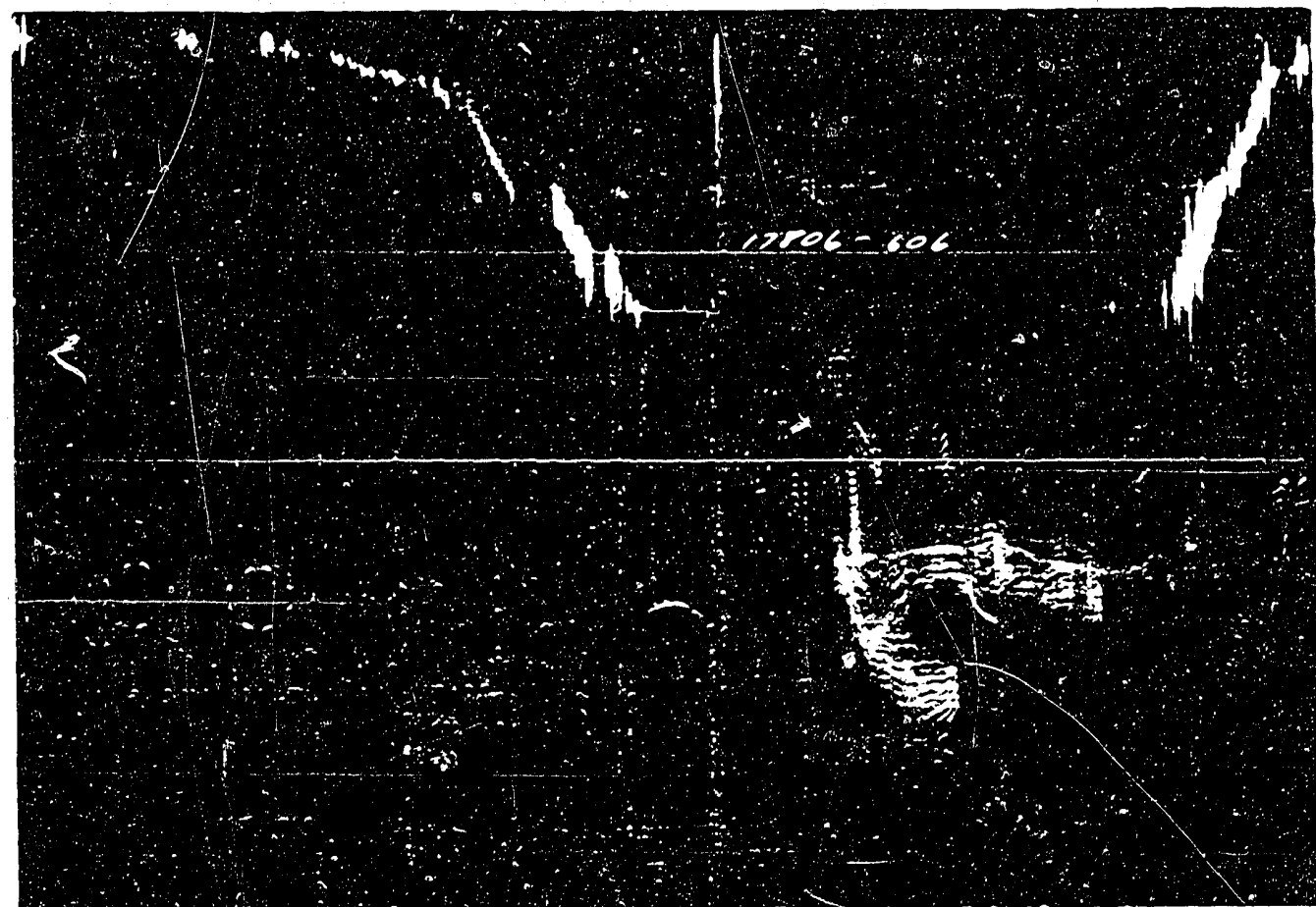


Each Horizontal Line Equal to 1000 p.s.i.

PRESSURE

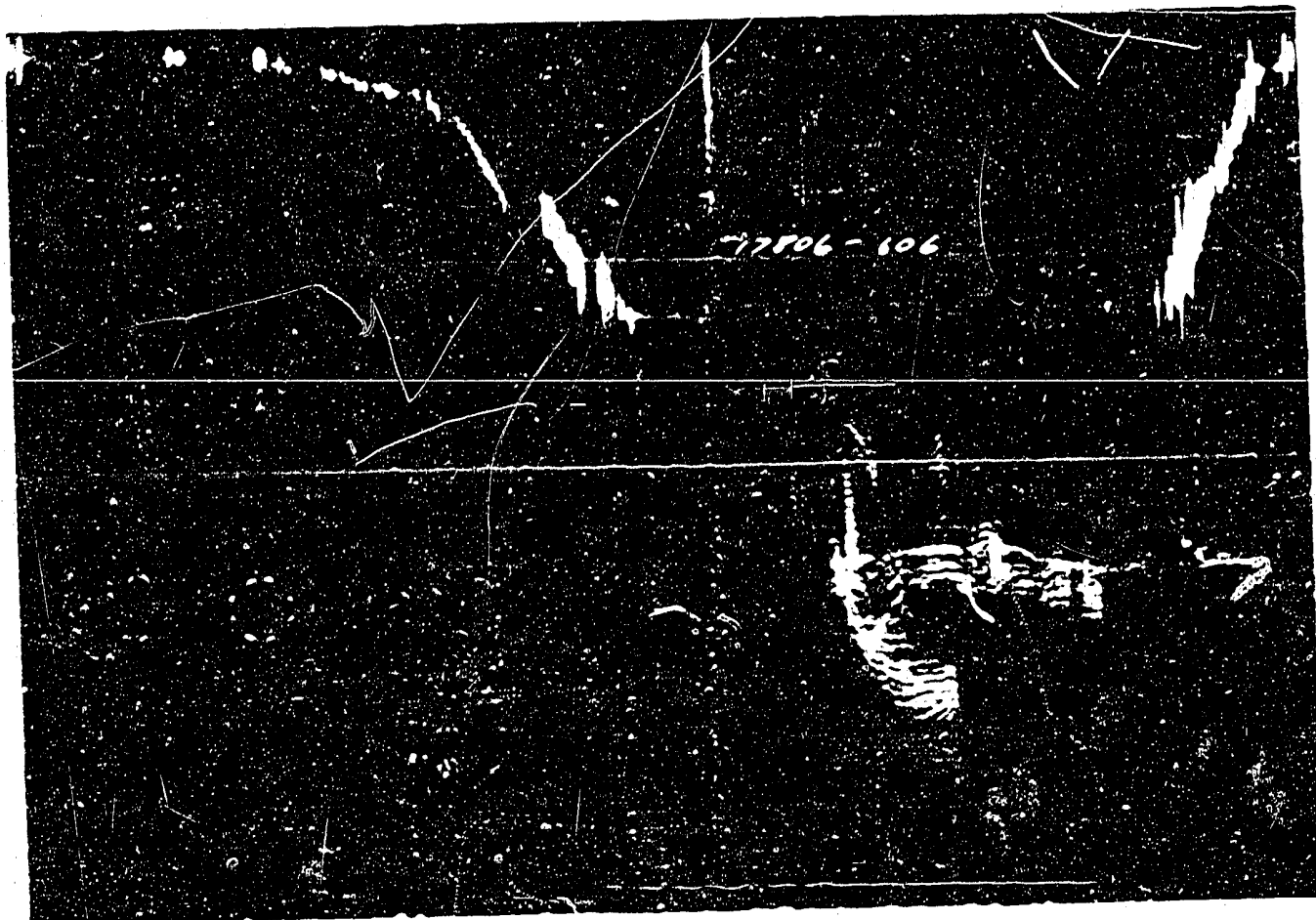


TIME

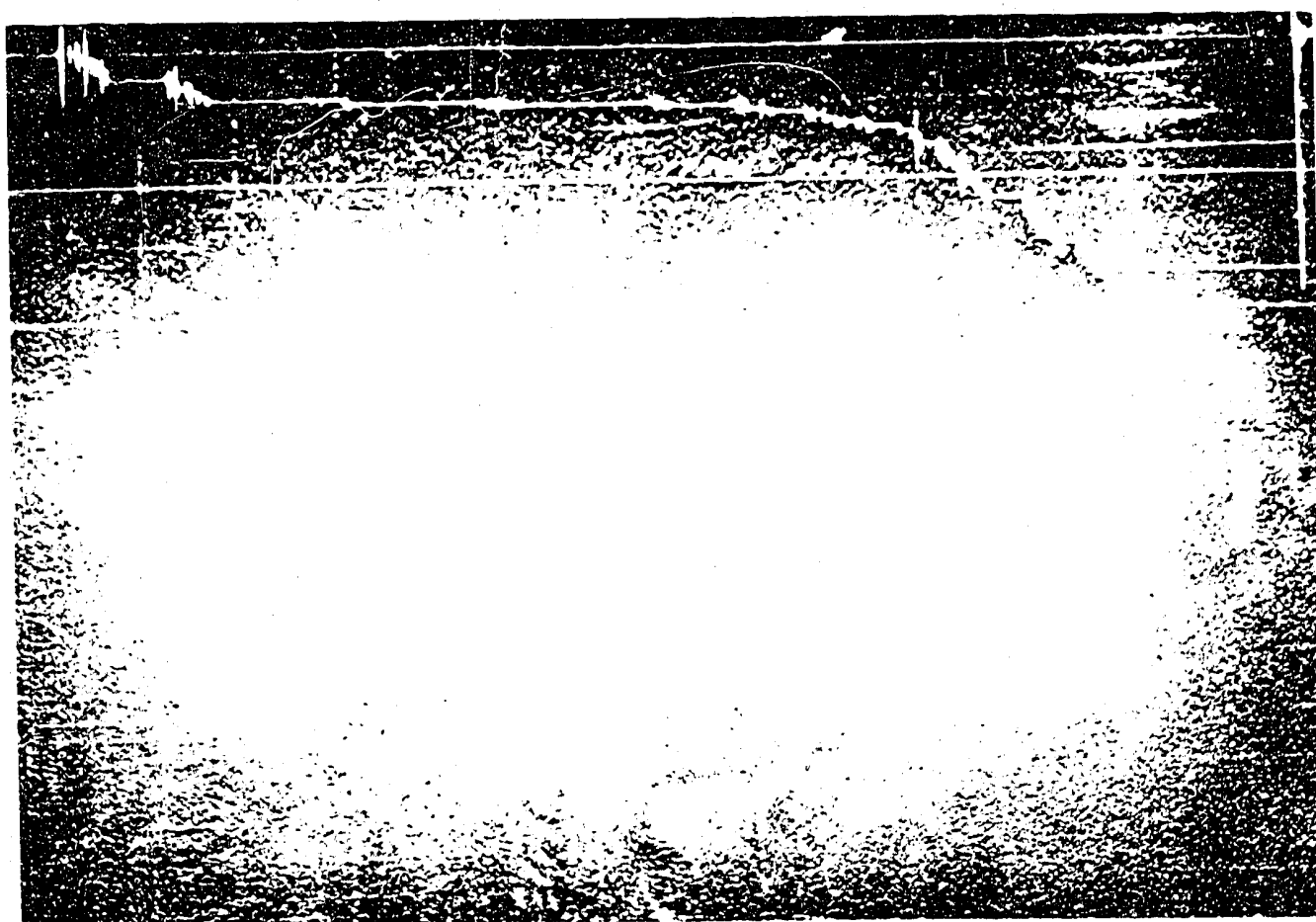


Each Horizontal Line Equal to 1000 p.s.i.

pp18

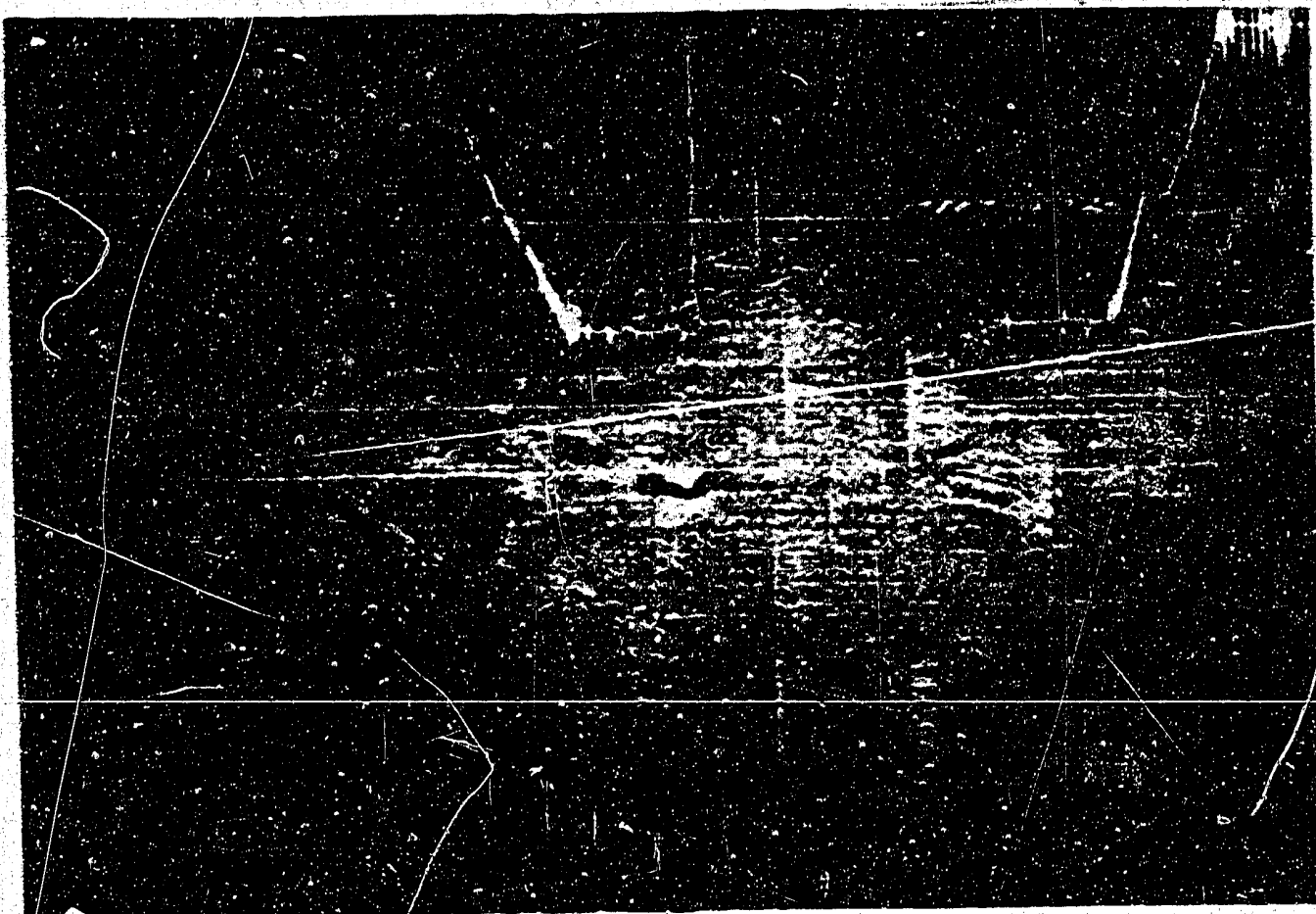


Each Horizontal Line Equal to 1000 p.s.i.

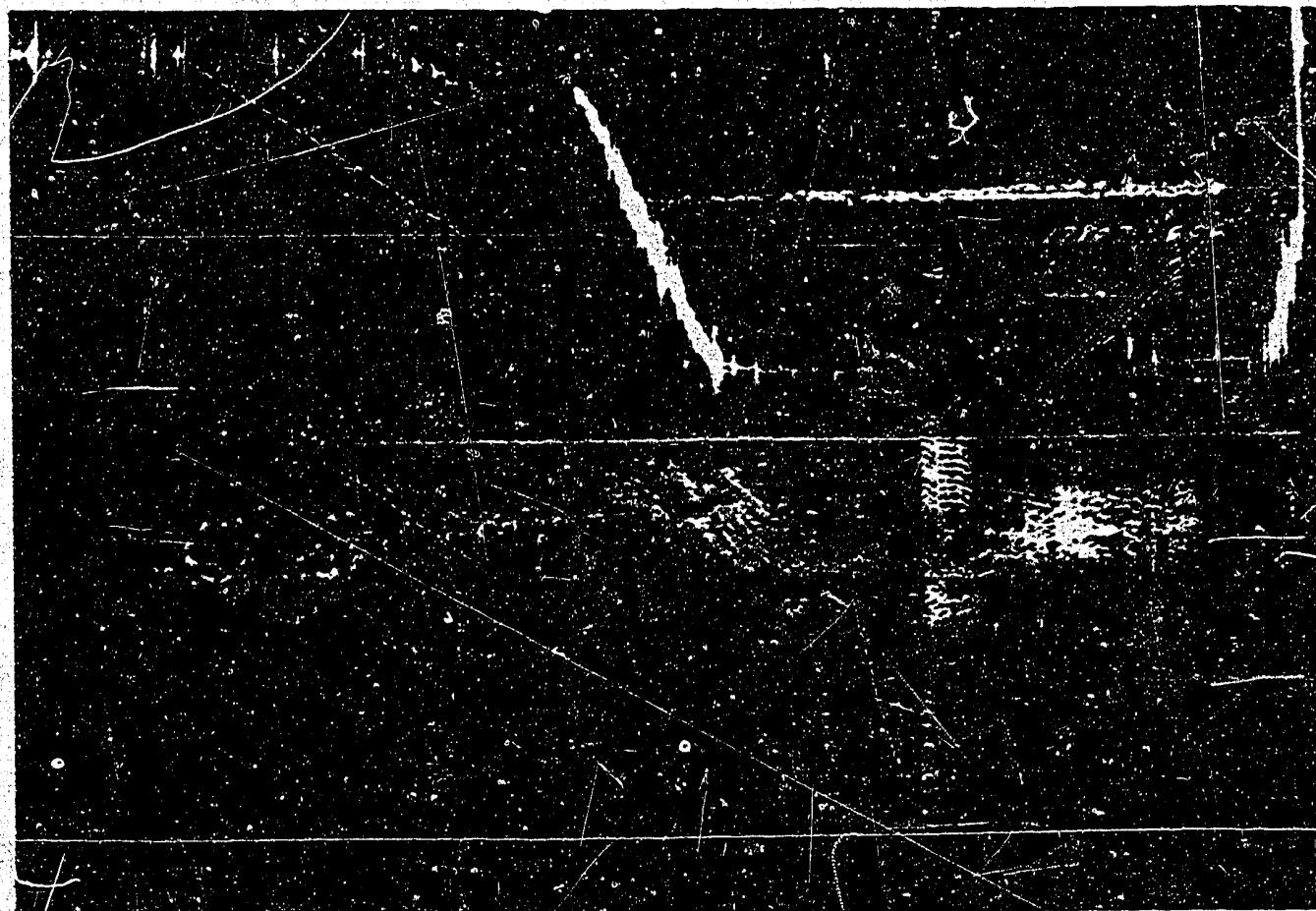


Depth Top Gauge		2363 Ft.	Blanked ON	No	Date	December 28, 1968		Ticket No.	T17806		
BT P.R.D. No.		1572	8742 12 Hr. Clock		Kind of Job	Dual Straddle		HOWCO District	High Level		
Pressure Readings	Field		Office Corrected		Teacher	R. Leadley		Witness	J. Telfer		
Initial Hydro Mud Pressure		1258	1275		Contractor Vandergrift Oil & Gas Enterprises Ltd.						
Initial Closed in Pressure		747	757		K.B. Elevation	Top Packer Depth	2380	Bottom Packer Depth	2475		
Initial Flow Pressure		55	75		Total Depth	3198		Casing Perforations	Top		
Final Flow Pressure		83	101		Interval Tested	2380-2475		Formation Tested	Sulphur Point		
Final Closed in Pressure		967	989		CHUCKER Hole Size	8 3/4		Liner or Bathole Size			
Final Hydro Mud Pressure		1272	1275		Size Surface Choke	1"	Size Bottom Choke	1/2"	Size and Type Wall Packer	7 3/4 RS	
Depth Centre Gauge		2413 Ft.	Blanked ON	Yes	Size Drill Pipe	4 1/2 X.H.		ID and Length Drill Collars	2 1/2 x 291.87		
BT P.R.D. No.		606	3382 12 Hr. Clock		Anchor I.D.			Amount-Type of Cushion			
Pressure Readings	Field		Office Corrected		Gauge Depth Temp.	°F most. Mud °F set. Weight		10.3	Mud Viscosity	83	
Initial Hydro Mud Pressure		1281	1295		All Depths Measured From	K.B.		No. Valders Reproduced	11		
Initial Closed in Pressure		770	766		Time Periods (Minutes)						
Initial Flow Pressure		81	92		1st Flow	10	Initial CIP	30	2nd Flow	60	
Final Flow Pressure		122	114		Recovered	155		Feet of Gassy cut mud.			
Final Closed in Pressure		972	991		Recovered	Feet of					
Final Hydro Mud Pressure		1295	1294		Recovered	Feet of					
Depth Bottom Gauge		3196 Ft.	Blanked ON	Yes	Oil Recovery Degrees API			Water Recovery Specific Gravity			
BT P.R.D. No.		2620	8659 12 Hr. Clock		REMARKS: Tool open at 5.35 with very good						
Pressure Readings	Field		Office Corrected		air blow. Tool closed at 5.45 P.M. Tool						
Initial Hydro Mud Pressure		1733	1747		open at 6.15 P.M. with gas to surface in 30						
Initial Closed in Pressure					minutes. Tool closed at 7.15 P.M. Tool						
Initial Flow Pressure		Clock ran away.				pulled loose at 8.15 P.M.					
Final Flow Pressure											
Final Closed in Pressure											
Final Hydro Mud Pressure											

PRESSURE

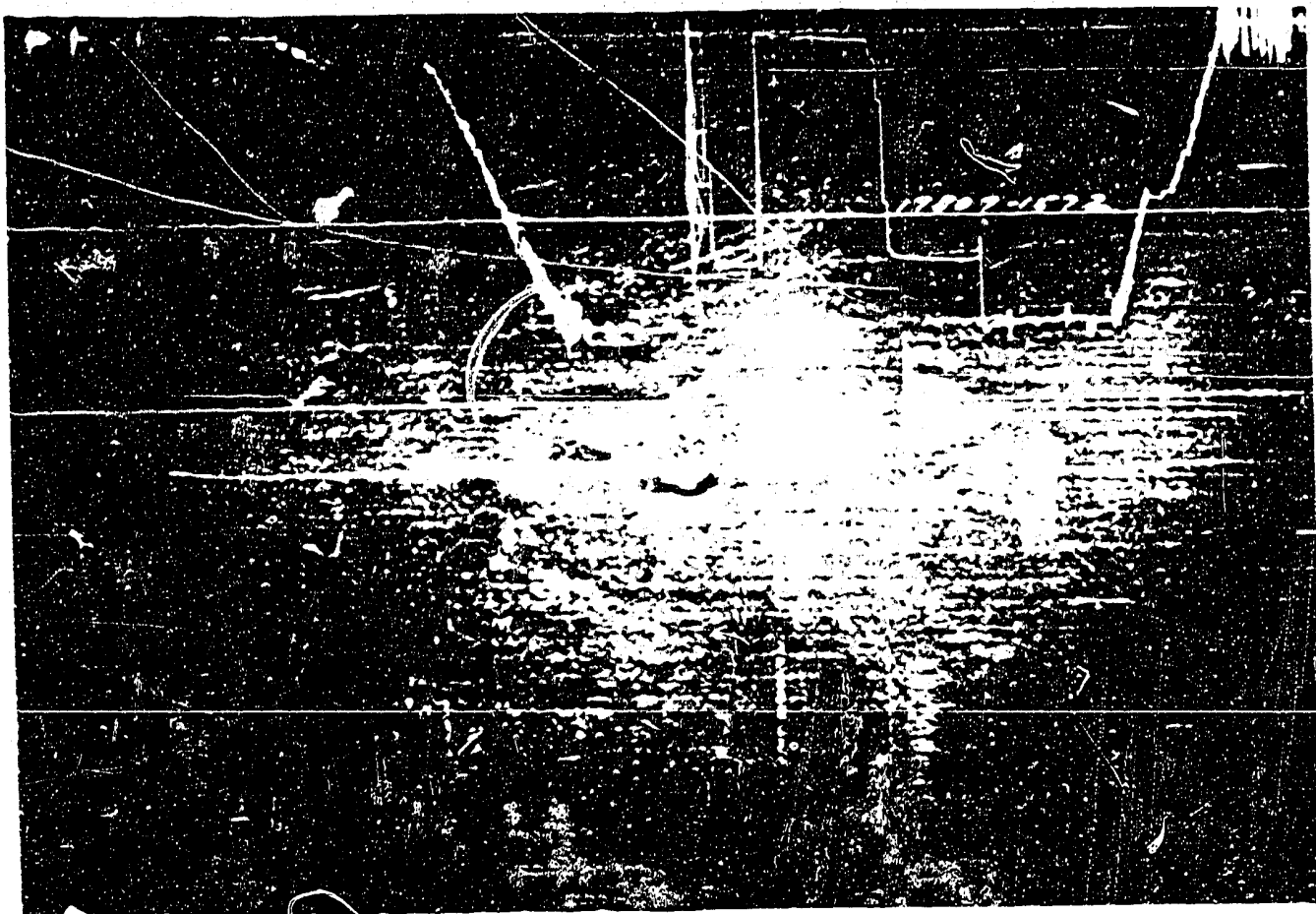


TIME

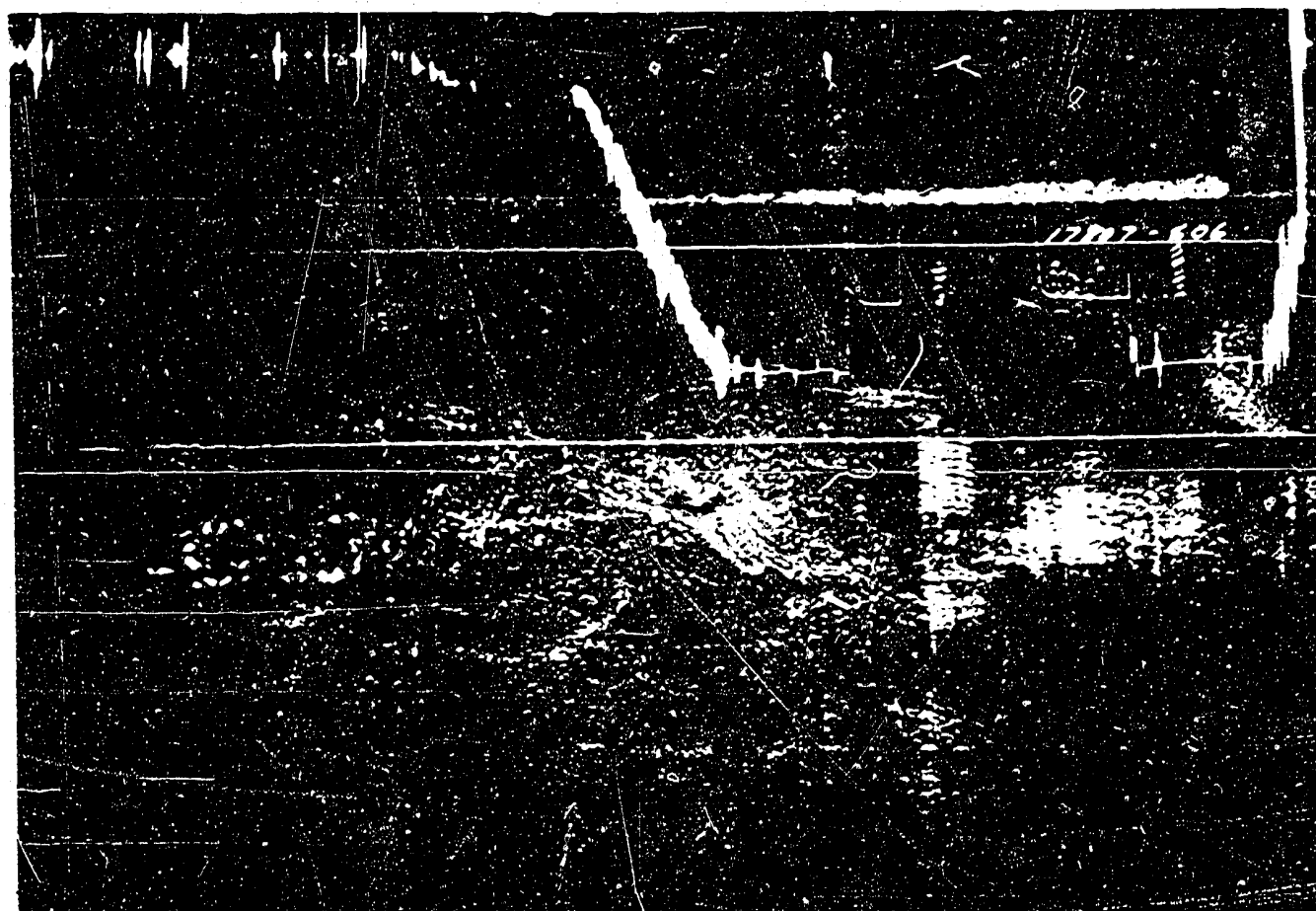


Each Horizontal Line Equal to 1000 p.s.i.

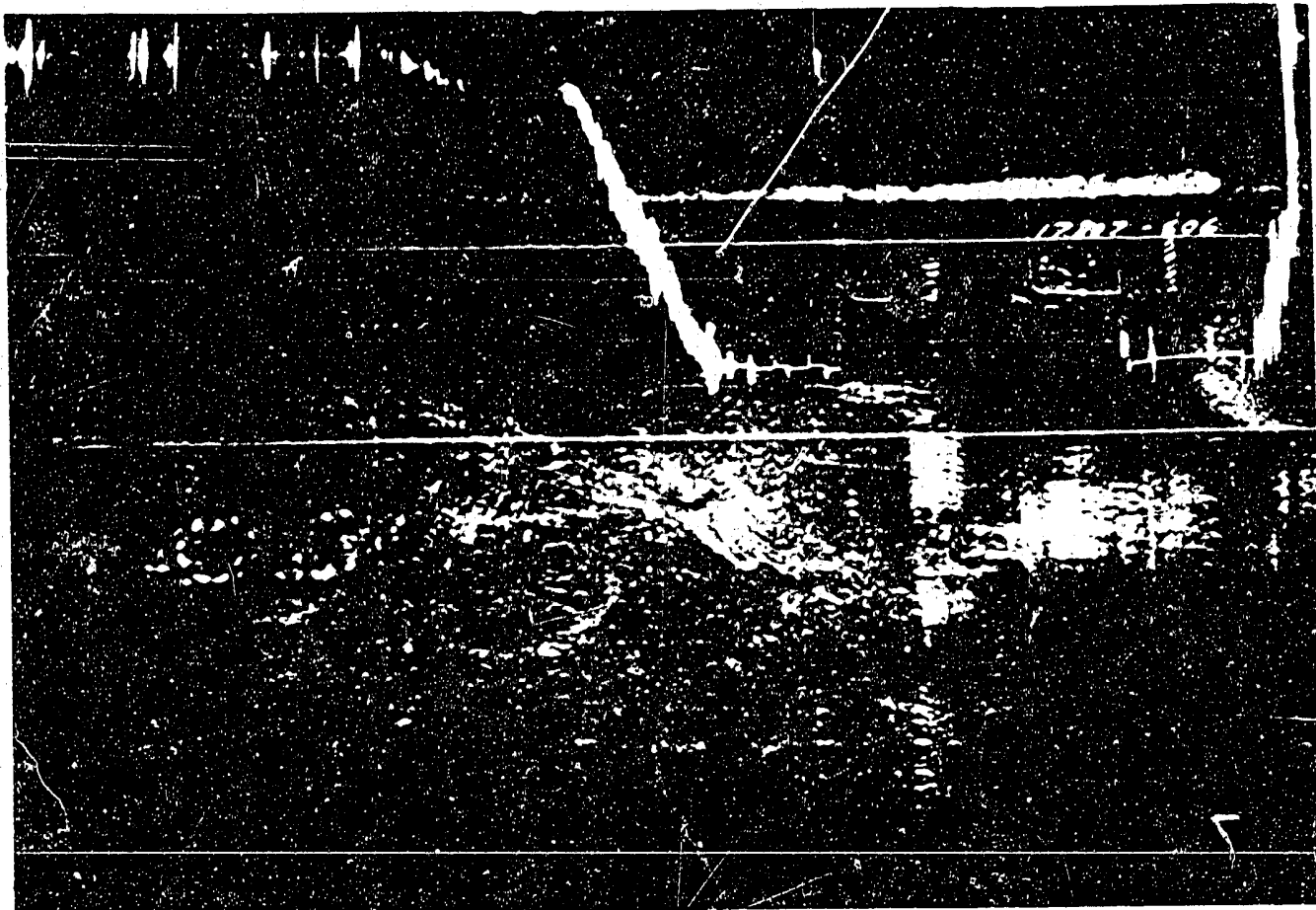
PRESSURE



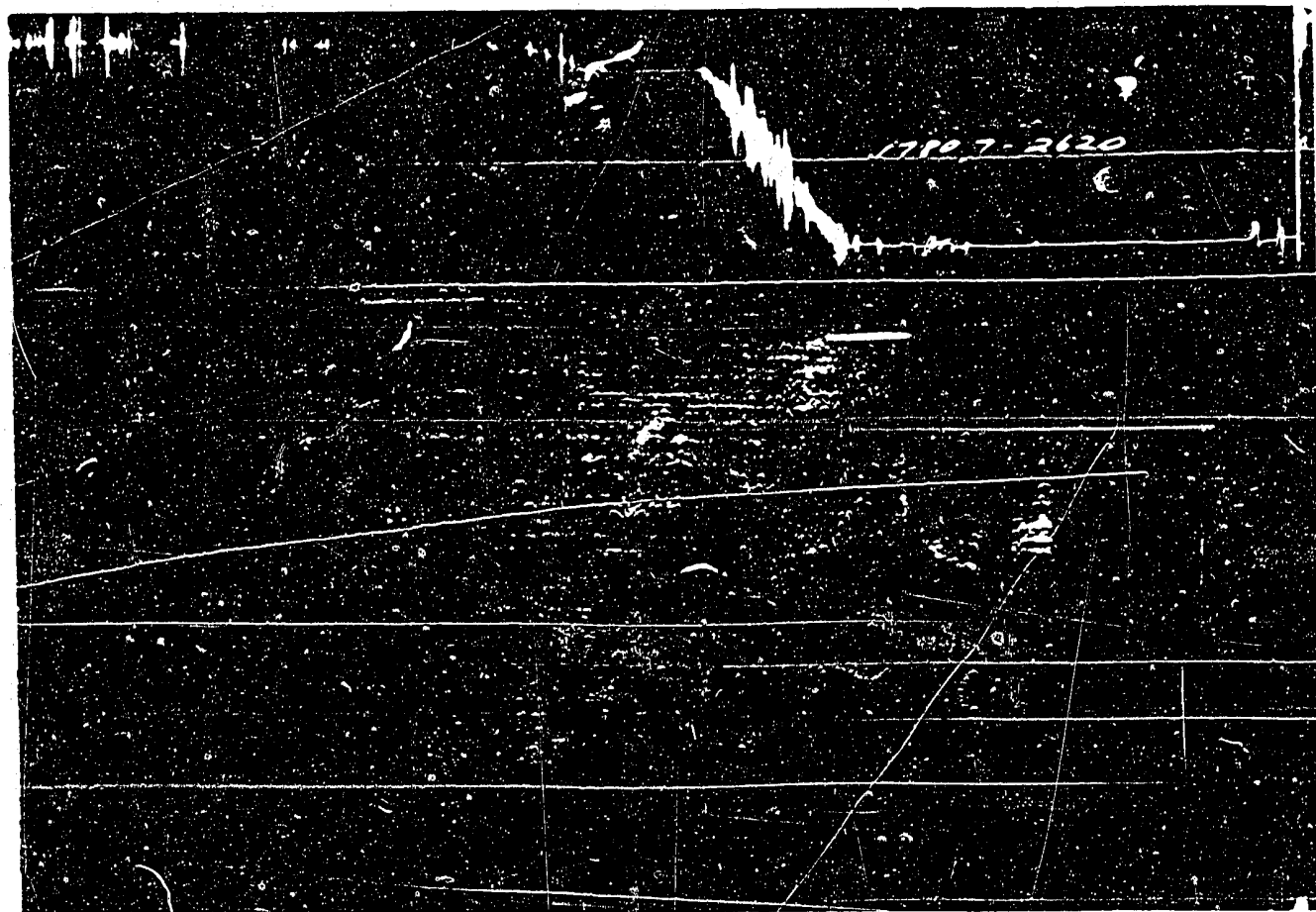
TIME



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



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



Depth Top Gauge		2976 Ft.	Blanked Off	No	Date	December 29, 1964		Index No.	T17407	
BT P.R.D. No.		1572	8742 12 Hr. Clock		Single Kind of Job		Straddle	HOWCO Diameter		High Level
Pressure Readings		Field	Office Corrected		Tester		R. Leadley	Witness		J. Telfer
Initial Hydro Mud Pressure		1607	1615		Contractor Vandergrift Oil & Gas Enterprises Ltd.					
Initial Closed in Pressure		1272	1272		2 H Elevation	97.4	Top Packer Depth	2970	Bottom Packer Depth	3050
Initial Flow Pressure		14	25		Total Depth	3198		Casing Perforations	Top Bottom	
Final Flow Pressure		55	66		Interval Tested	2990-3050		Formation Tested	Lower Keg River	
Final Closed in Pressure		1244	1265		Casing or Hole Size	8 3/4		Line or Bathole Size		
Final Hydro Mud Pressure		1593	1621		Size Surface Choke	1"	Size Bottom Choke	1/2"	Size and Type Well Packer	7 3/4 ES
Depth Centre Gauge		3010 Ft.	Blanked Off	Yes	Size Drill Pipe	4 1/2 X.H.		ID and Length Drill Collars		
BT P.R.D. No.		606	3382 12 Hr. Clock		Anchor I.D. Size	O.D.		Amount-Type of Cushion		
Pressure Readings		Field	Office Corrected		Gauge Depth Temp.	°F. max. Mud °F. est. Weight		Mud Viscosity	83	
Initial Hydro Mud Pressure		1646	1650		API Depth Measured From	K.H.		No. Folders Reproduced	11	
Initial Closed in Pressure		1309	1315		Time Periods (Minutes)					
Initial Flow Pressure		41	55		1st Flow	5	Initial CIP	30	2nd Flow	60
Final Flow Pressure		95	89		Recovered	105		Feet of Watery salty mud.		
Final Closed in Pressure		1282	1298		Recovered			Feet of		
Final Hydro Mud Pressure		1633	1652		Recovered			Feet of		
Depth Bottom Gauge		3197 Ft.	Blanked Off	Yes	Oil Recovery Degrees API			Water Recovery Specific Gravity		
BT P.R.D. No.		2620	8659 12 Hr. Clock		REMARKS: Tool open at 11.00 A.M. with slight					
Pressure Readings		Field	Office Corrected		air blow. Tool closed at 11.05. Tool open					
Initial Hydro Mud Pressure		1733	1732		at 11.35 with slight blow, no sign of gas.					
Initial Closed in Pressure					Tool closed at 12.35. Tool pulled at 1.35.					
Initial Flow Pressure		Below	Straddle							
Final Flow Pressure										
Final Closed in Pressure										
Final Hydro Mud Pressure			1442							

NORTH CAMERON HILLS
 60° 31' 17.25 SEC. N.
 116° 51' 3.4 SEC. W.
 FIELD OR AREA
 NORTH CAMERON HILLS
 PROVINCE
 NORTH WEST TERRITORIES
 UNITED CANADIAN OIL & GAS LTD.
 CALGARY
 Owner's District
 3
 Test No.
 3
 Well No.
 11-34
 Log No.
 11-34

BT No.	Depth	No. Clock No.						Temperature Corrected to				°F		
1st Flow Pressure		Initial CIP						2nd Flow Pressure		Final CIP				
	Time Bell .000" T-P10	P10 Temp. Corr.	Time Bell .000" 0	T+0	T+0 0	P10 Temp. Corr.	P10 -10° (Gas)	Time Bell .000" T-P10	P10 Temp. Corr.	Time Bell .000" 0	T+0	T+0 0	P10 Temp. Corr.	P10 -10° (Gas)
P0														
P1														
P2														
P3														
P4														
P5														
P6														
P7														
P8														
P9														
P10														

BT No. 606		Depth 3010		12 Hr. Clock No. 3382 Temperature Corrected to 95 °F											
1st Flow Pressure				Initial CIP				2nd Flow Pressure				Final CIP			
	Time Bell .000" T-P10	P10 Temp. Corr.	Time Bell .000" 0	T+0	T+0 0	P10 Temp. Corr.	P10 -10° (Gas)	Time Bell .000" T-P10	P10 Temp. Corr.	Time Bell .000" 0	T+0	T+0 0	P10 Temp. Corr.	P10 -10° (Gas)	
P0	.000	41	.000			50		.000	55	.000			89		
P1	.023	45	.020			755		.043	59	.040			381		
P2	.046	50	.040			1259		.086	65	.080			1249		
P3			.060			1303		.129	68	.120			1283		
P4			.080			1310		.172	76	.160			1288		
P5			.100			1313		.215	73	.200			1291		
P6			.120			1314		.258	76	.240			1292		
P7			.140			1315		.301	78	.280			1294		
P8			.160			1315		.344	81	.320			1296		
P9			.180			1315		.387	85	.360			1297		
P10			.200			1315		.430	89	.400			1298		

Intervals of Pressure Readings (Minutes): 1st Flow Pressure 2.5 Initial CIP 3.0 2nd Flow Pressure 6.0 Final CIP 6.0

Remarks:



RIG TIME DATA

№ 01258

(Please Show Footage Made While Control Drilling As Well As Hours)

Well Name and No. CAN 50 ET. AL

L.S.D.

TANSO ET AL NORTH CAMERON HILLS #1
 40° - 3' - 17.25 SEC. NORTH
 80° - 51' - 3.4 SEC. WEST

Operator VANDER GRIFT

K.B. Elev.

ft.

Rig No.

Date DEC. 30 1968

Total Ring on Bit No. _____ Fuel Used Today _____ Gals. Water Truck _____ hrs.
B.O.P.'s Test Operated for _____ mins. @ _____ p.s.i. Results _____
Weather Cond. _____ Road Cond. _____ Temp. _____ °F

Tool Pusher
Approved By

Alfred

Day Work W.P. _____ Hrs. _____ Mins. Other _____ Hrs. _____ Mins.

Day Work W.O.P. _____ Hrs. _____ Mins. Contractor Time _____ Hrs. _____ Mins.



GAS & OIL ENTERPRISES LTD.

DAILY DRILLING REPORT

RIG TIME DATA

No 01257

Well Name and No. CANSO ET. AL

L.S.D.

CANSO ET AL NORTH CAMERON HILLS #1
30° 36' 17.25 SEC NORTH
118° 05' 3.4 SEC WEST

Operator VANDERGRIFT

K.B. Elev.

ft.

Rig No. 1

Date DEC. 29 1968

(Please Show Footage Made While Control Drilling As Well As Hours)

BIT RECORD				DRILLING INFORMATION				DRILLING STRING				MUD				TIME		DETAILS OF WORK DONE		INTERVAL					
Number	Type	Serial No.	Size	Weight Carried Lbs.	Table Speed R.P.M.	Surveys:	Drill Collars:	No.	FEET	D. Collars	Stands	Singles	Other	Vis.	Wt.	Gels.	W.L.	F.C.	Ph.	Start	Stop				
Jets																									
Out At																									
In At																									
Footage																									
Hours																									
Condition of Pulled Bit	T	B	G																						
Depth At End of Tour																									
Depth At Start of Tour																									
Footage This Tour																									
Hours on Bottom																									
BIT RECORD				DRILLING INFORMATION				DRILLING STRING				MUD				TIME		DETAILS OF WORK DONE		INTERVAL					
Number	Type	Serial No.	Size	Weight Carried Lbs.	Table Speed R.P.M.	Surveys:	Drill Collars:	No.	FEET	D. Collars	Stands	Singles	Other	Vis.	Wt.	Gels.	W.L.	F.C.	Ph.	Start	Stop				
Jets																									
Out At																									
In At																									
Footage																									
Hours																									
Condition of Pulled Bit	T	B	G																						
Depth At End of Tour																									
Depth At Start of Tour																									
Footage This Tour																									
Hours on Bottom																									
BIT RECORD				DRILLING INFORMATION				DRILLING STRING				MUD				TIME		DETAILS OF WORK DONE		INTERVAL					
Number	Type	Serial No.	Size	Weight Carried Lbs.	Table Speed R.P.M.	Surveys:	Drill Collars:	No.	FEET	D. Collars	Stands	Singles	Other	Vis.	Wt.	Gels.	W.L.	F.C.	Ph.	Start	Stop				
Jets																									
Out At																									
In At																									
Footage																									
Hours																									
Condition of Pulled Bit	T	B	G																						
Depth At End of Tour																									
Depth At Start of Tour																									
Footage This Tour																									
Hours on Bottom																									
BIT RECORD				DRILLING INFORMATION				DRILLING STRING				MUD				TIME		DETAILS OF WORK DONE		INTERVAL					
Number	Type	Serial No.	Size	Weight Carried Lbs.	Table Speed R.P.M.	Surveys:	Drill Collars:	No.	FEET	D. Collars	Stands	Singles	Other	Vis.	Wt.	Gels.	W.L.	F.C.	Ph.	Start	Stop				
Jets																									
Out At																									
In At																									
Footage																									
Hours																									
Condition of Pulled Bit	T	B	G																						
Depth At End of Tour																									
Depth At Start of Tour																									
Footage This Tour																									
Hours on Bottom																									

Torque Ring on Bit No.: _____ Fuel Used Today _____ Gals. Water Truck _____ hrs.
B.O.P.'s Test Operated for _____ mins. @ _____ p.s.i. Results _____
Weather Cond. _____ Road Cond. _____ Temp. _____ °F
Tool Pusher _____
Approved By _____

Day Work W.P. _____ Hrs. _____ Mins. Other _____ Hrs. _____ Mins.
Day Work W.O.P. _____ Hrs. _____ Mins. Contractor Time _____ Hrs. _____ Mins.
Day Work W.P. _____ Hrs. _____ Mins. Other _____ Hrs. _____ Mins.
Day Work W.O.P. _____ Hrs. _____ Mins. Contractor Time _____ Hrs. _____ Mins.

(Please Show Footage Made While Control Drilling As Well As Hours)

Well Name and No. CANSE ET. AL.

CANSON ET AL NORTH CAMERON HILLS #1
L.S.D. 100 3.0 17.25 SEC. NORTH
4.25 3.0 SEC. WEST

Operator HANDERGRIFT K.B. Ziev.

ft. Rig No. 1 Date DEC. 28, 1968

Well Name and No. <u>CHANDLER</u>				DATE <u>11-1-58</u>																																																			
BIT RECORD				DRILLING INFORMATION				DRILLING STRING				FEET				MUD				12				2 a.m.				4 a.m.				6 a.m.				Start TIME				Stop				DETAILS OF WORK DONE				INTERVAL							
Number				Weight Carried Lbs.				D. Collars								Vis.																12:00				2:00				LOGGING				2				30							
Type				Table Speed R.P.M.				Stands								Wt.																2:30				3:00				TEAR OUT LOGGING TOOL &				30											
Serial No.				Surveys:				Singles								Gels.																3:00				4:30				LOAD CUT.				1				30							
Size				° at ft. ° at ft.				Other								W.L.																4:30				5:00				WAIT ON ORDERS															
Jets				° at ft. ° at ft.				Other								F.C.																				5:00				5:30				PICK UP PACKER & STEAM OUT											
Out At				Drill Collars:				Kelly In								Ph.																				5:30				6:00				4 MAKE UP SAME & RUN IN											
In At				No. 19 O.D. 5 3/4 I.D. Wt. 38 M				Total								Additives																				6:00				6:30				TEST				3				30			
Footage				No. O.D. I.D. Wt.				PUMPS				No. 1 No. 2																								6:30				7:00				DUAL DIRECTION LATER LOG - 3196 - 326											
Hours				Last Casing:				Liner Size 13 x 15																												7:00				7:30				SOME GAMMA - CALIPER - 3196 - 326											
Condition of Pulled Bit				Size 9 5/8 in. Set @ 327 ft. K.B.				Speed																												7:30				8:00				DENSITY W/ CALIPER - 3191 - 2200											
T B G				Drilling Line:				Pressure																												8:00				8:30				TOTALS				8							
Depth At End of Tour 3201 ft.				Size Trips No. Lines Ton Miles Total Miles				MOTORS				No. 1 No. 2 No. 3 No. 4 No. 5																				8:30				9:00				Day Work W.P. Hrs. Mins. Other Hrs. Mins.															
Depth At Start of Tour 3201 ft.				Feet Slip or Cut Feet Left on Spool Next Slip or Cut				Motor Hours																								9:00				9:30				Day Work W.O.P. Hrs. Mins. Contractor Time Hrs. Mins.															
Footage This Tour								Next Oil Change																								9:30				10:00																			
Hours on Bottom								Filters Used																								10:00				10:30																			
T B G																																10:30				11:00																			
Number				Weight Carried Lbs.				D. Collars								Vis.																11:00				11:30				SER. RIG				15											
Type				Table Speed R.P.M.				Stands								Wt.																11:30				12:00				CHANGE PACKER RUBBER				6				45							
Serial No.				Surveys:				Singles								Gels.																12:00				12:30				MAKE UP PACKER				2				30							
Size				° at ft. ° at ft.				Other								W.L.																12:30				13:00				RUIT IN TEST															
Jets				° at ft. ° at ft.				Other								F.C.																13:00				13:30																			
Out At				Drill Collars:				Kelly In								Ph.																13:30				14:00				DST #2 - 2380 - 2425 - DUAL STRADDLE															
In At				No. O.D. I.D. Wt.				Total								Additives																14:00				14:30				SHUT IN 30960 OPEN 60															
Footage				No. O.D. I.D. Wt.				PUMPS				No. 1 No. 2																				14:30				15:00				WEAK BLOW - GAS TO SURFACE IN 30 MIN - T.S.T. 17.															
Hours				Last Casing:				Liner Size																								15:00				15:30				RECOVERY - 155' GAS CUT TUP															
Condition of Pulled Bit				Size in. Set @ ft. K.B.				Speed																								15:30				16:00				I.H.P. - 1281" I.S.I.P. 770 I.F.P. 81"															
T B G				Drilling Line:				Pressure																								16:00				16:30				F.H.P. 1295" F.S.I.P. 972 F.F.P. 122"															
Depth At End of Tour 3201 ft.				Size Trips No. Lines Ton Miles Total Miles				MOTORS				No. 1 No. 2 No. 3 No. 4 No. 5																16:30				17:00				TOTALS				9															
Depth At Start of Tour				Feet Slip or Cut Feet Left on Spool Next Slip or Cut				Motor Hours																								17:00				17:30				Day Work W.P. Hrs. Mins. Other Hrs. Mins.															
Footage This Tour								Next Oil Change																																															

Totco Ring on Bit No.: _____ Fuel Used Today _____ Gals. Water Truck _____ hrs.
B.O.P.'s Test Operated for _____ mins. @ _____ p.s.i. Results _____
Weather Cond. _____ Road Cond. _____ Temp. _____ °F

Tool Pusher

Approved By

Day Work W.P. _____ Hrs. _____ Mins. Other _____ Hrs. _____ Mins.

Day Work W.O.P. _____ Hrs. _____ Mins. Contractor Time _____ Hrs. _____ Mins.



GAS & OIL ENTERPRISES LTD.

DAILY DRILLING REPORT

RIG TIME DATA

No 01255

Well Name and No. CANSD. ET. AL.L.S.D. 28° 33' 37" N 112° 25' 25" W

CANSD ET AL NORTH CAMERON HILLS #1

Operator VANDERGRIFT

K.B. Elev. _____

ft. _____

Rig No. 1Date DEC. 27, 1968

(Please Show Footage Made While Control Drilling As Well As Hours)

BIT RECORD			DRILLING INFORMATION			DRILLING STRING			MUD			TIME			DETAILS OF WORK DONE			INTERVAL																
Number	Type	Serial No.	Size	Jets	Out At	In At	Footage	Hours	Condition of Pulled Bit	Weight Carried Lbs.	Table Speed R.P.M.	Surveys:	D. Collars	Stands	Singles	Other	Kelly In	Total	PUMPS	Liner Size	Speed	Pressure	2 a.m.	4 a.m.	6 a.m.	Start	Stop		Hrs	Mins				
12	H.7	329418	8 1/2			3198			T B G				19	515.34	1		SUB. L	41.00	3201.23		6 1/2 x 15	63	850				12:00	12:15	RIG SER. & BOPS.		15			
						</																												



GAS & OIL ENTERPRISES LTD.

DAILY DRILLING REPORT

RIG TIME DATA

No 01254

(Please Show Footage Made While Control Drilling As Well As Hours)

Well Name and No. CANSO. FT. AL.CANSO ET AL NORTH CAMERON HILLS #1
L.S.D. 34° 35' 17.25" SEC. NORTH
34° 35' 17.25" SEC. WESTOperator VANDERGRIFT K.B. Elev. _____ ft.Rig No. 1Date DEC. 26, 1968

BIT RECORD			DRILLING INFORMATION			DRILLING STRING			MUD			TIME		DETAILS OF WORK DONE		INTERVAL		
Number	Type	Serial No.	Weight Carried	Table Speed	Surveys:	D. Collars	Stands	Singles	Vis.	Wt.	Gels.	W.L.	F.C.	Ph.	Start	Stop	Hrs	Mins
11	OWC	11093	40	90		19	515.34		53	10.3		6.4	2/32	10.5	12:00	12:15	2	15
Size	8 5/8					Other	308.1	1.00							2:00	2:15		
Jets						Other									2:15	2:30		
Out At						Kelly In	28.00								8:00	8:15		
In At	3193					Total	2198.14											
Footage						PUMPS	No. 1	No. 2										
Hours	35.0	2				Liner Size	6 3/4 x 1 1/2											
Condition of	T	B	G			Speed	62											
Pulled Bit						Pressure	850											
Depth At End of Tour	3193					MOTORS	No. 1	No. 2	No. 3	No. 4	No. 5							
Depth At Start of Tour	319					Motor Hours												
Footage This Tour	5					Next Oil Change												
Hours on Bottom	2					Filters Used												
TOTALS 8																		
Day Work W.P. _____ Hrs. _____ Mins. Other _____ Hrs. _____ Mins.																		
Day Work W.O.P. _____ Hrs. _____ Mins. Contractor Time _____ Hrs. _____ Mins.																		

BIT RECORD			DRILLING INFORMATION			DRILLING STRING			MUD			TIME		DETAILS OF WORK DONE		INTERVAL		
Number	Type	Serial No.	Weight Carried	Table Speed	Surveys:	D. Collars	Stands	Singles	Vis.	Wt.	Gels.	W.L.	F.C.	Ph.	Start	Stop	Hrs	Mins
11	OWC	11092				19	515.34								8:00	8:15	1	15
Size	8 5/8					Other	42	2643.79							8:15	8:30		
Jets						Other									9:40	9:55		
Out At	3201					Kelly In	41								11:42	11:57		
In At	3193					Total	3201								1:30	1:45		
Footage	8					PUMPS	No. 1	No. 2							1:45	1:55		
Hours						Liner Size									2:30	2:45		
Condition of	T	B	G			Speed									2:45	2:55		
Pulled Bit						Pressure												
Depth At End of Tour	3201					MOTORS	No. 1	No. 2	No. 3	No. 4	No. 5							
Depth At Start of Tour	3193					Motor Hours												
Footage This Tour	8					Next Oil Change												
Hours on Bottom						Filters Used												
TOTALS 1																		
Day Work W.P. _____ Hrs. _____ Mins. Other _____ Hrs. _____ Mins.																		
Day Work W.O.P. _____ Hrs. _____ Mins. Contractor Time _____ Hrs. _____ Mins.																		

BIT RECORD			DRILLING INFORMATION			DRILLING STRING			MUD			TIME		DETAILS OF WORK DONE		INTERVAL		
Number	Type	Serial No.	Weight Carried	Table Speed	Surveys:	D. Collars	Stands	Singles	Vis.	Wt.	Gels.	W.L.	F.C.	Ph.	Start	Stop	Hrs	Mins
12	H-7	8294				19	2643.79								4:00	4:15	1	15
Size	7 5/8					Other	1								4:15	4:30		
Jets						Other									5:00	5:15		
Out At	3201					Kelly In									5:15	5:30		
In At	3198					Total									5:30	5:45		
Footage	3					PUMPS	No. 1	No. 2							5:45	5:55		
Hours	1					Liner Size									5:55	6:05		
Condition of	T	B	G			Speed												
Pulled Bit						Pressure												
Depth At End of Tour	3201					MOTORS	No. 1	No. 2	No. 3	No. 4	No. 5							
Depth At Start of Tour	3201					Motor Hours												
Footage This Tour	3					Next Oil Change												
Hours on Bottom						Filters Used												
TOTALS 3																		
Day Work W.P. _____ Hrs. _____ Mins. Other _____ Hrs. _____ Mins.																		
Day Work W.O.P. _____ Hrs. _____ Mins. Contractor Time _____ Hrs. _____ Mins.																		

Torco Ring on Bit No.: _____ Fuel Used Today _____ Gals. Water Truck _____ hrs.
B.O.P.'s Test Operated for _____ mins. @ _____ p.s.i. Results _____
Weather Cond. _____ Road Cond. _____ Temp. _____ °FTool Pusher W. Wald.
Approved By _____

Day Work W.P. _____ Hrs. _____ Mins. Other _____ Hrs. _____ Mins.

Day Work W.O.P. _____ Hrs. _____ Mins. Contractor Time _____ Hrs. _____ Mins.

VANDERGRIFT

GAS & OIL ENTERPRISES LTD.

CANISO ET AL NORTH CAMERO

DAILY DRILLING REPORT

RIG TIME DATA

(Please Show Footage Made While Control Drilling As Well As Hours)

Well Name and No. CANISO ET AL.

L.S.D. 60° 34' 17.25" SEC. NORTH
114° 5' 12" E. 11.500' DIST.

Operator VANDERGRIFT.

K.B. Elev. ft.

Rig No. 1

Date DEC. 25, 1968

BIT RECORD			DRILLING INFORMATION			DRILLING STRING			MUD			TIME			DETAILS OF WORK DONE			INTERVAL														
Number	Type	Serial No.	Weight Carried	Table Speed	Surveys	D. Collars	Stands	Singles	Other	Kelly In	Total	PUMPS	No. 1	No. 2	Liner Size	Speed	Pressure	MOTORS	No. 1	No. 2	No. 3	No. 4	No. 5	Start	Stop			Hrs	Mins			
10	H. 7	734296	25-35	80-100		17	42	1	SUB. 1	35.00	3163.71				6 1/2	62	800								12:00	12:15	RIG SER. & ROPS.		1	15		
																										RUN IN BIT #10.						
																										WORK ON CATHODE PROTECTION		1	45			
																										STEAM OFF 5. PIPE RUN IN		2	50			
																										PUT KELLY HOSE ON STEAM						
																										OUT KELLY BREAK CIRC.						
																										DRILLING 8 3/8 HOLE.		2	45			
Depth At End of Tour 3163 ft.			Depth At Start of Tour 3138 ft.			Footage This Tour 25 ft.			Hours on Bottom 2 1/4			T			B			G			TOTALS			8								
10	H. 7	734296	30	90		19	42	1	SUB. 1	33	3193				6 1/2	61	800									8:00	8:15	SER. Rig		1	15	
																										DRILL		5	45			
																										CERC.						
																										Pull out		1	15			
Depth At End of Tour 3193 ft.			Depth At Start of Tour 3163 ft.			Footage This Tour 30 ft.			Hours on Bottom 5 3/4			T			B			G			TOTALS											
10	H. 7	734296	130	130		19	42	1	SUB. 1	33.66	3193				6 1/2	61	800									4:00	4:15	Pull out & P.C. BIT #11		1	45	
																										RUN IN W/L BIT #11.		2	45			
																										REAM TO BOTTOM		3	30			
Depth At End of Tour 3193 ft.			Depth At Start of Tour 3193 ft.			Footage This Tour 0 ft.			Hours on Bottom REAM. 3 1/2			T			B			G			TOTALS											

Torco Ring on Bit No.: Fuel Used Today Gals. Water Truck hrs.
B.O.P.'s Test Operated for mins. @ p.s.i. Results
Weather Cond. Road Cond. Temp. °F

Tool Pusher
Approved By

Day Work W.P. Hrs. Mins. Other Hrs. Mins.
Day Work W.O.P. Hrs. Mins. Contractor Time Hrs. Mins.
Day Work W.P. Hrs. Mins. Other Hrs. Mins.
Day Work W.O.P. Hrs. Mins. Contractor Time Hrs. Mins.

(Please Show Footage Made While Control Drilling As Well As Hours)

Well Name and No. *3ANSD ET AL.*

CANSO ET AL NORTH/CAMESON/HILLS #
 L.S.D. 40 - 3 - 17.25 SEC. NORTH

Operator HANDERGRIFT. K.B. Elev

ft

Rig No. 1

Date DEC 24 19 68

[illegible][illegible][illegible]

Totco Ring on Bit No.: _____ Fuel Used Today _____ Gals. Water Truck _____ hrs.

B.O.P.'s Test Operated for _____ mins. @ _____ p.s.i. Results _____

Weather Cond. _____ Road Cond. _____ Temp. _____ °F

Tool Pusher.

Approved By _____

Day Work W.P. _____ Hrs. _____ Mins. Other _____ Hrs. _____ Mins.

Day Work W.C.P. _____ Hrs _____ Mins Contractor Time _____ Hrs _____ Mins



GAS & OIL ENTERPRISES LTD.

CANCO ET AL NORTH CAMEROO
60° 30' 17.25 SEC. WEST
3° 17' 25" N

DAILY DRILLING REPORT

RIG TIME DATA

(Please Show Footage Made While Control Drilling As Well As Hours)

Well Name and No. CANCO ET AL.

NORTH CAMEROO HILLS
L.S.D. 3-17-25

Operator VANDERGRIFT K.B. Elev. ft.

Rig No. 1

Date DEC 23, 1968

BIT RECORD		DRILLING INFORMATION		DRILLING STRING		FEET		MUD		TIME		DETAILS OF WORK DONE		INTERVAL	
Number	8	Weight Carried	25-35 Lbs.	D. Collars	19	515.34		Vis.	52	52	12:00	12:30	DRILLING 8 7/8 HOLE.		30
Type	C.W.C.	Table Speed	80-100 R.P.M.	Stands	40	2486.90		Wt.	10.2	10.2	12:30	12:45	RIG SER. & BOPS.		15
Serial No.	55340	Surveys:	3° at 3660 ft. ° at ° ft.	Singles				Gels.			12:45	2:45	DRILLING 8 7/8 HOLE.		3
Size	8 5/8		° at ft. ° at ft.	Other	SUB. 1	1.00		W.L.	7.2	6.4	2:45	4:00	SURVEY @ 3500		15
Jets				Other				F.C.	1.32		4:00	8:00	PULL OUT FOR BIT # 8		4
Out At	3017	Drill Collars:		Kelly In		14.01		Ph.	10.5						
In At	2900	No. 19 O.D. 5 3/4 I.D. ° Wt. °		Total		3017.24		Additives							
Footage	117	No. ° O.D. ° I.D. ° Wt. °		PUMPS	No. 1	No. 2									
Hours	21.4	Last Casing:		Liner Size	6 1/2 x 15										
Condition of	T B G	Size 9 5/8 in. Set @ 327 ft. K.B.		Speed	61										
Pulled Bit		Drilling Line:		Pressure	650										
Depth At End of Tour	3017 ft.	Size Trips No. Lines Ton Miles Total Miles		MOTORS	No. 1	No. 2	No. 3	No. 4	No. 5						
Depth At Start of Tour	3001 ft.			Motor Hours											
Footage This Tour	16 ft.	Feet Slip or Cut Feet Left on Spool Next Slip or Cut		Next Oil Change											
Hours on Bottom	3 1/2			Filters Used											
														TOTALS	8
Day Work W.P. ° Hrs. ° Mins. Other ° Hrs. ° Mins.															
Day Work W.O.P. ° Hrs. ° Mins. Contractor Time ° Hrs. ° Mins.															

BIT RECORD		DRILLING INFORMATION		DRILLING STRING		FEET		MUD		TIME		DETAILS OF WORK DONE		INTERVAL	
Number	9	Weight Carried	Lbs.	D. Collars				Vis.			8:00	4:00	Pull out 2.5" WORK on Boiler of WATER LINE.		
Type	M.H.N.	Table Speed	R.P.M.	Stands				Wt.					Run in. Thaw Rat Hole @ Kelly 8		
Serial No.	566103	Surveys:	° at ° ft. ° at ° ft.	Singles				Gels.							
Size			° at ft. ° at ft.	Other				W.L.							
Jets				Other				F.C.							
Out At		Drill Collars:		Kelly In				Ph.							
In At		No. ° O.D. ° I.D. ° Wt. °		Total				Additives							
Footage		No. ° O.D. ° I.D. ° Wt. °		PUMPS	No. 1	No. 2									
Hours		Last Casing:		Liner Size											
Condition of	T B G	Size ° in. Set @ ° ft. K.B.		Speed											
Pulled Bit		Drilling Line:		Pressure											
Depth At End of Tour	° ft.	Size Trips No. Lines Ton Miles Total Miles		MOTORS	No. 1	No. 2	No. 3	No. 4	No. 5						
Depth At Start of Tour	° ft.			Motor Hours											
Footage This Tour	° ft.	Feet Slip or Cut Feet Left on Spool Next Slip or Cut		Next Oil Change											
on Bottom				Filters Used											
														TOTALS	
Day Work W.P. ° Hrs. ° Mins. Other ° Hrs. ° Mins.															
Day Work W.O.P. ° Hrs. ° Mins. Contractor Time ° Hrs. ° Mins.															

BIT RECORD		DRILLING INFORMATION		DRILLING STRING		FEET		MUD		TIME		DETAILS OF WORK DONE		INTERVAL	
Number	9	Weight Carried	35000 Lbs.	D. Collars	19	515.34		Vis.			4:00	5:00	Thaw Kelly in Rat Hole		1
Type	M.H.N.	Table Speed	100 R.P.M.	Stands	40	2517.69		Wt.			5:00	5:20	REAM To Pattern		2 30
Serial No.	866103	Surveys:	3017 at 3.0° ft. ° at ° ft.	Singles	SUB. 1	1.00		Gels.			5:20	12:00	DRILL		6 30
Size	8 5/8		° at ft. ° at ft.	Other				W.L.							
Jets	5 1/2			Other				F.C.							
Out At		Drill Collars:		Kelly In		31.00		Ph.							
In At	3017	No. 19 O.D. 5 3/4 I.D. 2 1/2 Wt. 3800		Total		3065		Additives							
Footage	4 3/4	No. ° O.D. ° I.D. ° Wt. °		PUMPS	No. 1	No. 2									
Hours	6 1/2	Last Casing:		Liner Size	6 1/2 x 15										
Condition of	T B G	Size ° in. Set @ ° ft. K.B.		Speed	61										
Pulled Bit		Drilling Line:		Pressure	650										
Depth At End of Tour	3065 ft.	Size Trips No. Lines Ton Miles Total Miles		MOTORS	No. 1	No. 2	No. 3	No. 4	No. 5						
Depth At Start of Tour	3017 ft.			Motor Hours											
Footage This Tour	48 ft.	Feet Slip or Cut Feet Left on Spool Next Slip or Cut		Next Oil Change											
Hours on Bottom	6 1/2			Filters Used											
														TOTALS	
Day Work W.P. ° Hrs. ° Mins. Other ° Hrs. ° Mins.															
Day Work W.O.P. ° Hrs. ° Mins. Contractor Time ° Hrs. ° Mins.															

Totco Ring on Bit No. ° Fuel Used Today ° Gals. Water Truck ° hrs.

B.O.P.'s Test Operated for ° mins. @ ° p.s.i. Results °

Weather Cond. ° Road Cond. ° Temp. ° ° F

Tool Pusher °

Approved By °

Day Work W.P. ° Hrs. ° Mins. Other ° Hrs. ° Mins.

Day Work W.O.P. ° Hrs. ° Mins. Contractor Time ° Hrs. ° Mins.

Day Work W.O.P. ° Hrs. ° Mins. Contractor Time ° Hrs. ° Mins.

(Please Show Footage Made While Control Drilling As Well As Hours)

Well Name and NO. AN 30. ET. AL.

NORTH CAMERON HILLS #1

Operator PANDERGRIFF.

K.B. Elev.

ft.

Rig No. ✓

Date Feb. 22, 198

[illegible]

BIT RECORD				DRILLING INFORMATION				DRILLING STRING				MUD				DETAILS OF WORK DONE				INTERVAL	
Number	Type	Serial No.	Size	Weight Carried	Table Speed	Surveys	Drill Collars	No.	Feet	Vis.	Wt.	Gels.	W.L.	F.C.	Ph.	Start	Stop	Hrs.	Mins.		
3	1 1/2"	55240	2 9/16"	10000	60		No. 9	15	17 515.34	47	10.3		71	232	10.5	5:00	5:05	7	45		
Out At	In At	Footage	Hours	No. 1 O.D. 3 1/4 I.D. 2 1/2 Wt. 38000				PUMPS				GEL 1500				SER. RIG					
Condition of Pooled Bit	T B G			Last Casing: Size 2 9/16 in. Set @ 327 ft. K.B.				Liner Size 6 1/2				CAUSE 16000 ft.				REAM RAZ HOLE					
Depth At End of Tour 2255 ft.				Drilling Line: Size Trips No. Lines Ton Miles Total Miles				Speed 61				PELITA 50 ft.									
Depth At Start of Tour 2900 ft.				Feet Slip or Cut Feet Left on Spool Next Slip or Cut				Pressure 50													
Footage This Tour 45 ft.								MOTORS													
K on Bottom 7 3/4								Motor Hours													
								Next Oil Change													
								Filters Used													
																Day Work W.P. Hrs. Mins. Other Hrs. Mins.					
																Day Work W.O.P. Hrs. Mins. Contractor Time Hrs. Mins.					
																TOTALS					

BIT RECORD				DRILLING INFORMATION				DRILLING STRING		No.		FEET		MUD		4 p.m.		6 p.m.		8 p.m.		10 p.m.		Start		Stop		DETAILS OF WORK DONE		INTERVAL	
Number				Weight Carried				D. Collars		17		515.34		Vis.		48		46		46		46		48		48		BEAM RAT Hole		5	
Type				Table Speed				Stands		392423.84		Wt.		7.8		10		10.1		10		48		12		DRILLING		7			
Serial No.				Surveys:				Singles		1		31.68		Gels.																	
Size				° at				Other						W.L.		7.2		7.1		7.0		7									
Jets				° at				Other		- 248		100		E.C.		3/32		3/32		3/32		3/32									
Out At				Drill Collars:				Kelly		12		12		12		12		12		12		12									
In At				No. 9				O.D.		5.34		I.D.		Wt.																	
Footage				No.				O.D.				I.D.		Wt.																	
Hours				Last Casing:				Size				in.		Set @		ft.		K.B.													
Condition of				Drilling Line:				Size		Trips		No. Lines		Ton Miles		Total Miles															
Pulled Bit				Feet				Slip or Cut		Feet Left		on Spool		Next		Slip or Cut															
Depth At End of Tour				MOTORS				No. 1		No. 2		No. 3		No. 4		No. 5															
Depth At Start of Tour				Motor Hours																											
Footage This Tour				Next Oil Change																											
Hours on Bottom				Filters Used																											
8				30.000				17		515.34		48		46		46		46		48		48		48		48		BEAM RAT Hole		5	
501C				80 - 100				392423.84		7.8		10		10.1		10		48		12		12		12		12		DRILLING		7	
15240								1		31.68				7.2		7.1		7.0		7											
2 1/8										- 248		100		3/32		3/32		3/32		3/32											
Jets								Kelly		12		12		12		12		12		12											
Out At				Drill Collars:				Kelly		12		12		12		12		12		12											
In At				No. 9				O.D.		5.34		I.D.		Wt.																	
Footage				No.				O.D.				I.D.		Wt.																	
Hours				Last Casing:				Size				in.		Set @		ft.		K.B.													
Condition of				Drilling Line:				Size		Trips		No. Lines		Ton Miles		Total Miles															
Pulled Bit				Feet				Slip or Cut		Feet Left		on Spool		Next		Slip or Cut															
Depth At End of Tour				MOTORS		No. 1		No. 2		No. 3		No. 4		No. 5																	

Total Ring on Bit No. _____ Fuel Used Today _____ Gals. Water Truck _____ hrs.

B.C.P.'s Test Operated for _____ mins. @ _____ p.s.i. Results

Weather Cond. _____ Road Cond. _____ Temp: _____ °F

Tool Pusher

Approved By _____

Day Work W.P. _____ Hrs. _____ Mins. Other _____ Hrs. _____ Mins.

027, 1981

Est. Work W.O.R.	Hrs	Mins	Contractor Time	Hrs	Mins
1.000	1.00	00	1.00	1.00	00
2.000	2.00	00	2.00	2.00	00
3.000	3.00	00	3.00	3.00	00
4.000	4.00	00	4.00	4.00	00
5.000	5.00	00	5.00	5.00	00
6.000	6.00	00	6.00	6.00	00
7.000	7.00	00	7.00	7.00	00
8.000	8.00	00	8.00	8.00	00
9.000	9.00	00	9.00	9.00	00
10.000	10.00	00	10.00	10.00	00
11.000	11.00	00	11.00	11.00	00
12.000	12.00	00	12.00	12.00	00
13.000	13.00	00	13.00	13.00	00
14.000	14.00	00	14.00	14.00	00
15.000	15.00	00	15.00	15.00	00
16.000	16.00	00	16.00	16.00	00
17.000	17.00	00	17.00	17.00	00
18.000	18.00	00	18.00	18.00	00
19.000	19.00	00	19.00	19.00	00
20.000	20.00	00	20.00	20.00	00
21.000	21.00	00	21.00	21.00	00
22.000	22.00	00	22.00	22.00	00
23.000	23.00	00	23.00	23.00	00
24.000	24.00	00	24.00	24.00	00
25.000	25.00	00	25.00	25.00	00
26.000	26.00	00	26.00	26.00	00
27.000	27.00	00	27.00	27.00	00
28.000	28.00	00	28.00	28.00	00
29.000	29.00	00	29.00	29.00	00
30.000	30.00	00	30.00	30.00	00
31.000	31.00	00	31.00	31.00	00
32.000	32.00	00	32.00	32.00	00
33.000	33.00	00	33.00	33.00	00
34.000	34.00	00	34.00	34.00	00
35.000	35.00	00	35.00	35.00	00
36.000	36.00	00	36.00	36.00	00
37.000	37.00	00	37.00	37.00	00
38.000	38.00	00	38.00	38.00	00
39.000	39.00	00	39.00	39.00	00
40.000	40.00	00	40.00	40.00	00
41.000	41.00	00	41.00	41.00	00
42.000	42.00	00	42.00	42.00	00
43.000	43.00	00	43.00	43.00	00
44.000	44.00	00	44.00	44.00	00
45.000	45.00	00	45.00	45.00	00
46.000	46.00	00	46.00	46.00	00
47.000	47.00	00	47.00	47.00	00
48.000	48.00	00	48.00	48.00	00
49.000	49.00	00	49.00	49.00	00
50.000	50.00	00	50.00	50.00	00
51.000	51.00	00	51.00	51.00	00
52.000	52.00	00	52.00	52.00	00
53.000	53.00	00	53.00	53.00	00
54.000	54.00	00	54.00	54.00	00
55.000	55.00	00	55.00	55.00	00
56.000	56.00	00	56.00	56.00	00
57.000	57.00	00	57.00	57.00	00
58.000	58.00	00	58.00	58.00	00
59.000	59.00	00	59.00	59.00	00
60.000	60.00	00	60.00	6	

Well Name and No. CAN 50 ET AL

NORTH CAMERON HILLS #1
L.S.D. ~~6-3-17-3~~

Operator

K.B. Elev

ft

Rig No. 1

Date Dec 21 1968

(Please Show Footage Made While Control Drilling As Well As Hours)

[illegible]



GAS & OIL ENTERPRISES LTD.

DAILY DRILLING REPORT

RIG TIME DATA

(Please Show Footage Made While Control Drilling As Well As Hours)

Well Name and No.

PANSO ET AL.

NORTH CAMERON HILLS #1
L.S.D. 66-3-17-25

Operator

K.B. Elev.

ft.

Rig No. 1

Date DEC-20 1968

BIT RECORD		DRILLING INFORMATION		DRILLING STRING		FEET		MUD		TIME		DETAILS OF WORK DONE		INTERVAL		
Number	Type	Weight Carried	Table Speed	Surveys	D. Collars	Stands	Singles	Other	Vis.	Wt.	Gels.	W.L.	F.C.	Ph.	Start	Stop
7	M4N	3000	100	14° at 2531 ft.	19	33	19	100	48	10.2	49	7.2	32	12	12:00	12:00
Serial No.	866023															
Size	8 5/8															
Jets																
Out At	2900															
In At	2943															
Footage	43															
Hours	9 1/2															
Condition of Pulled Bit	T	B	G													
Depth At End of Tour	2900															
Depth At Start of Tour	2882															
Footage This Tour	18															
Hours on Bottom	4															
1	6				11	41	11	100							8:00	9:15
Serial No.	1668															
Size	6 3/4															
Jets																
Out At																
In At	2900															
Footage																
Hours																
Condition of Pulled Bit	T	B	G													
Depth At End of Tour																
Depth At Start of Tour																
Footage This Tour																
Hours on Bottom																
1	6	12	60		11	41	11	100							10:00	12:00
Serial No.	1668															
Size	6 3/4															
Jets																
Out At																
In At	2900															
Footage	40															
Hours	5 1/2															
Condition of Pulled Bit	T	B	G													
Depth At End of Tour	2940															
Depth At Start of Tour	2900															
Footage This Tour	40															
Hours on Bottom	5 1/2															

Totco Ring on Bit No.: _____ Fuel Used Today _____ Gals. Water Truck _____ hrs.
B.O.P.'s Test Operated for _____ mins. @ _____ p.s.i. Results _____
Weather Cond. _____ Road Cond. _____ Temp. _____ °F

Tool Pusher _____
Approved By _____

Day Work W.P. _____ Hrs. _____ Mins. Other _____ Hrs. _____ Mins.
Day Work W.O.P. _____ Hrs. _____ Mins. Contractor Time _____ Hrs. _____ Mins.



GAS & OIL ENTERPRISES LTD.

DAILY DRILLING REPORT

RIG TIME DATA

N^o 01296

(Please Show Footage Made While Control Drilling As Well As Hours)

Well Name and No. P.A.N.S.G. - FT. AL.L.S.D. NORTH CAMERON HILLS #1

Operator

K.B. Elev.

ft.

Rig No. 1Date DEC. 19 1968

BIT RECORD			DRILLING INFORMATION			DRILLING STRING		MUD				TIME		DETAILS OF WORK DONE		INTERVAL																
Number	Type	Serial No.	Size	Jets	Out At	In At	Footage	Hours	Condition of Pulled Bit	Weight Carried	Table Speed	Surveys	D. Collars	Stands	Singles	Other	Kelly In	Total	PUMPS	Liner Size	Speed	Pressure	MOTORS	Motor Hours	Next Oil Change	Filters Used	Start	Stop	Day Work W.P.	Day Work W.O.P.	Contractor Time	
6	M.H.N.	866029	9 5/8		2843	2723	120	20 3/4	T	36,000	100	1 1/4 at 2530 ft.	19 5/8	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2
Drilling Information: No. 19 O.D. 5 1/4 I.D. Wt. 38 1/4																																
Last Casing: Size 9 5/8 in. Set @ 327 ft. K.B.																																
Drilling Line: Size Trips No. Lines Ton Miles Total Miles																																
MOTORS: No. 1 No. 2 No. 3 No. 4 No. 5																																
Motor Hours: 10 1/2																																
Next Oil Change: 10 1/2																																
Filters Used: 10 1/2																																
DETAILS OF WORK DONE: Drilling																																
TOTALS: 10 1/2																																

BIT RECORD			DRILLING INFORMATION			DRILLING STRING		MUD				TIME		DETAILS OF WORK DONE		INTERVAL																
Number	Type	Serial No.	Size	Jets	Out At	In At	Footage	Hours	Condition of Pulled Bit	Weight Carried	Table Speed	Surveys	D. Collars	Stands	Singles	Other	Kelly In	Total	PUMPS	Liner Size	Speed	Pressure	MOTORS	Motor Hours	Next Oil Change	Filters Used	Start	Stop	Day Work W.P.	Day Work W.O.P.	Contractor Time	
6	M.H.N.	866029	9 5/8		2843	2723	120	20 3/4	T	36,000	100	1 1/4 at 2530 ft.	19 5/8	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2
Drilling Information: No. 19 O.D. 5 1/4 I.D. Wt. 38 1/4																																
Last Casing: Size 9 5/8 in. Set @ 327 ft. K.B.																																
Drilling Line: Size Trips No. Lines Ton Miles Total Miles																																
MOTORS: No. 1 No. 2 No. 3 No. 4 No. 5																																
Motor Hours: 10 1/2																																
Next Oil Change: 10 1/2																																
Filters Used: 10 1/2																																
DETAILS OF WORK DONE: RIG SER. V BOPS. PULL OUT B.T. # 6. RUN IN B.T. # 7. PUT KELLY HOSE ON G.T. MAN. OUT KELLY & BREAK CIRC.																																
TOTALS: 10 1/2																																

BIT RECORD			DRILLING INFORMATION			DRILLING STRING		MUD				TIME		DETAILS OF WORK DONE		INTERVAL															
Number	Type	Serial No.	Size	Jets	Out At	In At	Footage	Hours	Condition of Pulled Bit	Weight Carried	Table Speed	Surveys	D. Collars	Stands	Singles	Other	Kelly In	Total	PUMPS	Liner Size	Speed	Pressure	MOTORS	Motor Hours	Next Oil Change	Filters Used	Start	Stop	Day Work W.P.	Day Work W.O.P.	Contractor Time
7	M.H.N.	866023	9 5/8		2843	2723	120	20 3/4	T	36,000	100	1 1/4 at 2530 ft.	19 5/8	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2
Drilling Information: No. 19 O.D. 5 1/4 I.D. Wt. 38 1/4																															
Last Casing: Size 9 5/8 in. Set @ 327 ft. K.B.																															
Drilling Line: Size Trips No. Lines Ton Miles Total Miles																															
MOTORS: No. 1 No. 2 No. 3 No. 4 No. 5																															
Motor Hours: 10 1/2																															
Next Oil Change: 10 1/2																															
Filters Used: 10 1/2																															
DETAILS OF WORK DONE: RIG SER. V BOPS. PULL OUT B.T. # 6. RUN IN B.T. # 7. PUT KELLY HOSE ON G.T. MAN. OUT KELLY & BREAK CIRC.																															
TOTALS: 10 1/2																															

Totco Ring on Bit No.: _____ Fuel Used Today _____ Gals. Water Truck _____ hrs.
B.O.P.'s Test Operated for _____ mins. @ _____ p.s.i. Results _____
Weather Cond. _____ Road Cond. _____ Temp. _____ °F

Tool Pusher _____
Approved By _____

Day Work W.P. _____ Hrs. _____ Mins. Other _____ Hrs. _____ Mins.
Day Work W.O.P. _____ Hrs. _____ Mins. Contractor Time _____ Hrs. _____ Mins.



GAS & OIL ENTERPRISES LTD.

DAILY DRILLING REPORT

RIG TIME DATA

No 01295

(Please Show Footage Made While Control Drilling As Well As Hours)

Well Name and No. CRNSO ET. ALL.S.D. 66-3-19-35NORTH CAMERON HILLS #1

Operator

K.B. Elev.

ft.

Rig No. 1Date Dec. 18 1968

BIT RECORD			DRILLING INFORMATION			DRILLING STRING			MUD			TIME			DETAILS OF WORK DONE			INTERVAL																
Number	Type	Serial No.	Size	Jets	Out At	In At	Footage	Hours	Condition of Pulled Bit	Weight Carried	Table Speed	Surveys	D. Collars	Stands	Singles	Other	Kelly In	Total	PUMPS	No. 1	No. 2	Liner Size	Speed	Pressure	12	2 a.m.	4 a.m.	6 a.m.	Start	Stop	TOTALS			
5	6	59022	8 5/8	9 3/8	2723	2723	145	26	T B G	25.30	80.100		19 5/8 34	35 217893			sub	33 40	2727.00			6 1/2	150	60	49				220 100	100 100	3	30		
																																	Day Work W.P. _____ Hrs. _____ Mins. Other _____ Hrs. _____ Mins.	
																																	Day Work W.O.P. _____ Hrs. _____ Mins. Contractor Time _____ Hrs. _____ Mins.	

BIT RECORD			DRILLING INFORMATION			DRILLING STRING			MUD			TIME			DETAILS OF WORK DONE			INTERVAL																
Number	Type	Serial No.	Size	Jets	Out At	In At	Footage	Hours	Condition of Pulled Bit	Weight Carried	Table Speed	Surveys	D. Collars	Stands	Singles	Other	Kelly In	Total	PUMPS	No. 1	No. 2	Liner Size	Speed	Pressure	8 a.m.	10 a.m.	12 Noon	2 p.m.	Start	Stop	TOTALS			
6	M.H.N.	86629	8 5/8	9 3/8	2723	2723	61	2 1/4	T B G	25.30	80.100		19 5/8 34	36 224007		SUB 1. 1.00	28.00	2784.41			6 1/2	150	60	47	46	46	48	9.00 9.15	9.15 9.30	1	15			
																																	Day Work W.P. _____ Hrs. _____ Mins. Other _____ Hrs. _____ Mins.	
																																	Day Work W.O.P. _____ Hrs. _____ Mins. Contractor Time _____ Hrs. _____ Mins.	

BIT RECORD			DRILLING INFORMATION			DRILLING STRING			MUD			TIME			DETAILS OF WORK DONE			INTERVAL																
Number	Type	Serial No.	Size	Jets	Out At	In At	Footage	Hours	Condition of Pulled Bit	Weight Carried	Table Speed	Surveys	D. Collars	Stands	Singles	Other	Kelly In	Total	PUMPS	No. 1	No. 2	Liner Size	Speed	Pressure	4 p.m.	6 p.m.	8 p.m.	10 p.m.	Start	Stop	TOTALS			
6	M.H.N.	86629	8 5/8	9 3/8	2723	2723	92	4 15/16	T B G	30.000	100		19 5/8 34	36 2270.		SUB 1.00	28.15	2915			6 1/2	150	60	48	48	48	48	9.00 9.00	9.00 9.45	4	30			
																																	Day Work W.P. _____ Hrs. _____ Mins. Other _____ Hrs. _____ Mins.	
																																	Day Work W.O.P. _____ Hrs. _____ Mins. Contractor Time _____ Hrs. _____ Mins.	

Totco Ring on Bit No.: _____ Fuel Used Today _____ Gals. Water Truck _____ hrs.
B.O.P.'s Test Operated for _____ mins. @ _____ p.s.i. Results _____
Weather Cond. _____ Road Cond. _____ Temp. _____ °F.

Tool Pusher _____
Approved By _____

Day Work W.P. _____ Hrs. _____ Mins. Other _____ Hrs. _____ Mins.
Day Work W.O.P. _____ Hrs. _____ Mins. Contractor Time _____ Hrs. _____ Mins.



GAS & OIL ENTERPRISES LTD.

DAILY DRILLING REPORT

RIG TIME DATA

No 01294

(Please Show Footage Made While Control Drilling As Well As Hours)

Well Name and No. CADISO ET. AL.L.S.D. 6-8-17-35

Operator

K.B. Elev.

ft.

Rig No. 1

Date DEC. 17 1967

BIT RECORD			DRILLING INFORMATION			DRILLING STRING			MUD				TIME		DETAILS OF WORK DONE		INTERVAL																																																														
Number	Type	Serial No.	Weight Carried	Table Speed	Surveys	D. Collars	Stands	Singles	Other	Kelly In	Total	Vis.	Wt.	Gels.	W.L.	F.C.	Ph.	Start	Stop																																																												
5	0.01	59022	25-30	90-110	1 1/4" at 2530 ft. at ft.	19 515.34	32 2054.00	1 30.95	sub 100	34.00	2635.00	4.5	10.3	10.3	10.3	2/12	2/32	12	12:00	12:15	Drilling	15																																																									
Size	8 5/8																																																																														
Jets																																																																															
Cur At																																																																															
In At	2575																																																																														
Footage	59																																																																														
Hours	9 1/2																																																																														
Condition of Pulled Bit	T	B	G																																																																												
Depth At End of Tour	2635																																																																														
Depth At Start of Tour	2575																																																																														
Footage This Tour	46																																																																														
Hours on Bottom	7 1/2																																																																														
PUMPS																						No. 1		No. 2		No. 3		No. 4		No. 5		MOTORS		No. 1		No. 2		No. 3		No. 4		No. 5		Motor Hours		Next Oil Change		Filters Used		Day Work W.P.		Hrs.		Mins.		Other		Hrs.		Mins.		Day Work W.O.P.		Hrs.		Mins.		Contractor Time		Hrs.		Mins.		TOTALS		Hrs.		Mins.	

BIT RECORD			DRILLING INFORMATION			DRILLING STRING			MUD				TIME		DETAILS OF WORK DONE		INTERVAL																																																														
Number	Type	Serial No.	Weight Carried	Table Speed	Surveys	D. Collars	Stands	Singles	Other	Kelly In	Total	Vis.	Wt.	Gels.	W.L.	F.C.	Ph.	Start	Stop																																																												
5	0.W.C.	59022	25-30	80-120		19 515.34	34 2116.80	1 30.81	sub 1 1.00	18.00	2681.95	4.4	10.3	10.3	10.3	2/12	2/32	12:00	12:15	Drilling 8 5/8 Hole.	45																																																										
Size	8 5/8																																																																														
Jets																																																																															
Out At																																																																															
In At	2575																																																																														
Footage	105																																																																														
Hours	17 1/4																																																																														
Condition of Pulled Bit	T	B	G																																																																												
Depth At End of Tour	2681																																																																														
Depth At Start of Tour	2575																																																																														
Footage This Tour	46																																																																														
Hours on Bottom	7 3/4																																																																														
PUMPS																						No. 1		No. 2		No. 3		No. 4		No. 5		MOTORS		No. 1		No. 2		No. 3		No. 4		No. 5		Motor Hours		Next Oil Change		Filters Used		Day Work W.P.		Hrs.		Mins.		Other		Hrs.		Mins.		Day Work W.O.P.		Hrs.		Mins.		Contractor Time		Hrs.		Mins.		TOTALS		Hrs.		Mins.	

BIT RECORD			DRILLING INFORMATION			DRILLING STRING			MUD				TIME		DETAILS OF WORK DONE		INTERVAL																																																														
Number	Type	Serial No.	Weight Carried	Table Speed	Surveys	D. Collars	Stands	Singles	Other	Kelly In	Total	Vis.	Wt.	Gels.	W.L.	F.C.	Ph.	Start	Stop																																																												
5	0.W.C.	59022	30000	100		19 515.34	35 2178.93		sub 1 1.00	24	2719	5.2	10.2	10.2	10.2	2/12	2/32	4:00	5:00	Drill	1																																																										
Size	8 5/8																																																																														
Jets	2-1/16																																																																														
Out At																																																																															
In At	2575																																																																														
Footage	144																																																																														
Hours	25																																																																														
Condition of Pulled Bit	T	B	G																																																																												
Depth At End of Tour	2719																																																																														
Depth At Start of Tour	2575																																																																														
Footage This Tour	39																																																																														
Hours on Bottom	7 3/4																																																																														
PUMPS																						No. 1		No. 2		No. 3		No. 4		No. 5		MOTORS		No. 1		No. 2		No. 3		No. 4		No. 5		Motor Hours		Next Oil Change		Filters Used		Day Work W.P.		Hrs.		Mins.		Other		Hrs.		Mins.		Day Work W.O.P.		Hrs.		Mins.		Contractor Time		Hrs.		Mins.		TOTALS		Hrs.		Mins.	

Totco Ring on Bit No.: _____ Fuel Used Today _____ Gals. Water Truck _____ hrs.

B.O.P.'s Test Operated for _____ mins. @ _____ p.s.i. Results _____

Weather Cond. _____ Road Cond. _____ Temp. _____ °F

Tool Pusher _____

Approved By _____

Day Work W.P. _____ Hrs. _____ Mins. Other _____ Hrs. _____ Mins.

Day Work W.O.P. _____ Hrs. _____ Mins. Contractor Time _____ Hrs. _____ Mins.

Day Work W.P. _____ Hrs. _____ Mins. Other _____ Hrs. _____ Mins.

Day Work W.O.P. _____ Hrs. _____ Mins. Contractor Time _____ Hrs. _____ Mins.

VANDERGRIFT

GAS & OIL ENTERPRISES LTD.

DAILY DRILLING REPORT

RIG TIME DATA

(Please Show Footage Made While Control Drilling As Well As Hours)

Well Name and No. CANSO. E.T. 1AL.S.D. 6-3-17-35

Operator

K.B. Eiev.

ft.

Rig No. 1Date Dec. 16 1968

BIT RECORD			DRILLING INFORMATION			DRILLING STRING		FEET		MUD		TIME				DETAILS OF WORK DONE		INTERVAL																		
Number	Type	Serial No.	Size	Jets	Out At	In At	Footage	Hours	Condition of Pulled Bit	Weight Carried	Table Speed	Surveys:	D. Collars	Stands	Singles	Other	Kelly In	Total	PUMPS	No. 1	No. 2	Liner Size	Speed	Pressure	8 a.m.	10 a.m.	12 Noon	2 p.m.	Start	Stop		Hrs	Mins			
4	H. 7	762072	8 3/8		2437	133	21 3/4		T	28.35	90		19	32	1	548		21.06	2570.00				6 1/2	62	625	47	48	48	48	12:00	2:00	DR. HING	2	30		
										Drill Collars:			No. 19 O.D. 5 1/2 I.D. Wt. 32M																							
										Last Casing:			Size 9 5/8 in. Set @ 327 ft. K.B.																							
										Drilling Line:			Size		Trips		No. Lines		Ton Miles		Total Miles															
										Depth At End of Tour			2570 ft.																							
										Depth At Start of Tour			2537 ft.																							
										Footage This Tour			33 ft.																							
										Hours on Bottom			7																							
4	H. 7	762082	8 3/8		2575	138	23 1/4		T	84-130	90-130		19	32	1	508		36	2575.22				6 1/2	61	650	46	10.3					8:00	9:00	DRILLING 8 3/8 HOLE.	1	30
										Drill Collars:			No. 19 O.D. 5 1/2 I.D. Wt. 32M																							
										Last Casing:			Size 9 5/8 in. Set @ 327 ft. K.B.																							
										Drilling Line:			Size		Trips		No. Lines		Ton Miles		Total Miles															
										Depth At End of Tour			2577 ft.																							
										Depth At Start of Tour			2516 ft.																							
										Footage This Tour			61 ft.																							
										Hours on Bottom			1 1/2																							
5	O.W.C	59022	8 3/4		2575	13	2		T	30,000	100		19	33		Sub		14	2588				6 1/2	61	650						4:00	4:45	SER. Rig	3	45	
										Drill Collars:			No. 19 O.D. 5 1/2 I.D. Wt. 34																							
										Last Casing:			Size 9 5/8 in. Set @ 327 ft. K.B.																							
										Drilling Line:			Size		Trips		No. Lines		Ton Miles		Total Miles															
										Depth At End of Tour			2588 ft.																							
										Depth At Start of Tour			2575 ft.																							
										Footage This Tour			13 ft.																							
										Hours on Bottom			2																							
5	O.W.C	59022	8 3/4		2575	13	2		T	30,000	100		19	33		Sub		14	2588				6 1/2	61	650						4:00	4:45	SER. Rig	3	45	
										Drill Collars:			No. 19 O.D. 5 1/2 I.D. Wt. 34																							
										Last Casing:			Size 9 5/8 in. Set @ 327 ft. K.B.																							
										Drilling Line:			Size		Trips		No. Lines		Ton Miles		Total Miles															
										Depth At End of Tour			2588 ft.																							
										Depth At Start of Tour			2575 ft.																							
										Footage This Tour			13 ft.																							
										Hours on Bottom			2																							

Totco Ring on Bit No.: _____ Fuel Used Today _____ Gals. Water Truck _____ hrs.
 B.O.P.'s Test Operated for _____ mins. @ _____ p.s.i. Results _____
 Weather Cond. _____ Road Cond. _____ Temp. _____ °F

Tool Pusher _____
 Approved By _____

Day Work W.P. _____ Hrs. _____ Mins. Other _____ Hrs. _____ Mins.
 Day Work W.O.P. _____ Hrs. _____ Mins. Contractor Time _____ Hrs. _____ Mins.



RIG TIME DATA

№ 01292

(Please Show Footage Made While Control Drilling As Well As Hours)

Well Name and No. CAN 50 ET A1

L.S.D. 66-3 17-35 Operator

K.B. Elev. _____ ft. Rig No. 1 Date Dec 15 1968

[illegible]

Totals Ring on Bit No.: _____ Fuel Used Today _____ Gals. Water Truck _____ hrs.
B.O.P.'s Test Operated for _____ mins. @ _____ p.s.i. Results _____
Weather Cond. _____ Road Cond. _____ Temp. _____ °F

Tool Pusher _____
Approved By _____

Day Work W.P. _____ Hrs. _____ Mins. Other _____ Hrs. _____ Mins.

Day Work W.O.P. _____ Hrs. _____ Mins. Contractor Time _____ Hrs. _____ Mins.



GAS & OIL ENTERPRISES LTD.

DAILY DRILLING REPORT

RIG TIME DATA

No 01291

(Please Show Footage Made While Control Drilling As Well As Hours)

Well Name and No. CANSA ET AL L.S.D. 66 3 17 35 Operator K.B. Elev. ft. Rig No. 1 Date DEC 14 1968

BIT RECORD			DRILLING INFORMATION			DRILLING STRING			MUD			TIME		DETAILS OF WORK DONE		INTERVAL																			
Number	Type	Serial No.	Size	Jets	Out At	In At	Footage	Hours	Condition of Pulled Bit	Weight Carried	Table Speed	Surveys	D. Collars	Stands	Singles	Other	Kelly In	Total	PUMPS	Liner Size	Speed	Pressure	Vis	Wt	Gels	W.L.	F.C.	Ph.	Additives	Start	Stop	TOTALS			
3	M.H.N	733741	8 5/8			22 1/4	179	17 1/2	T	95-30	106		19 515.34	30 1856.15		sub	1.00	12.00	2395.64	No. 1	6 3/4	62	600		39	103	10.1	10.1	8.6	3.6	11.5	10.5	12:00	2:30	30
Depth At End of Tour <u>2348</u> ft.																																			
Depth At Start of Tour <u>2347</u> ft.																																			
Footage This Tour <u>52</u> ft.																																			
Hours on Bottom <u>7 1/2</u>																																			
Day Work W.P. _____ Hrs. _____ Mins. Other _____ Hrs. _____ Mins.																																			
Day Work W.O.P. _____ Hrs. _____ Mins. Contractor Time _____ Hrs. _____ Mins.																																			

BIT RECORD			DRILLING INFORMATION			DRILLING STRING			MUD			TIME		DETAILS OF WORK DONE		INTERVAL																	
Number	Type	Serial No.	Size	Jets	Out At	In At	Footage	Hours	Condition of Pulled Bit	Weight Carried	Table Speed	Surveys	D. Collars	Stands	Singles	Other	Kelly In	Total	PUMPS	Liner Size	Speed	Pressure	Vis	Wt	Gels	W.L.	F.C.	Ph.	Additives	Start	Stop	TOTALS	
3	M.H.N	733741	8 5/8			22 1/4	211	20 1/2	T	25-30	90-120		19 515.34	30 1867.15		sub	1.00	41.59	2425.00	No. 1	6 3/4	62	600		100	90	10.0	9.4	8.0	8.0	12:00	2:30	30
Depth At End of Tour <u>2425</u> ft.																																	
Depth At Start of Tour <u>2393</u> ft.																																	
Footage This Tour <u>32</u> ft.																																	
Hours on Bottom <u>3</u>																																	
Day Work W.P. _____ Hrs. _____ Mins. Other _____ Hrs. _____ Mins.																																	
Day Work W.O.P. _____ Hrs. _____ Mins. Contractor Time _____ Hrs. _____ Mins.																																	

BIT RECORD			DRILLING INFORMATION			DRILLING STRING			MUD			TIME		DETAILS OF WORK DONE		INTERVAL																
Number	Type	Serial No.	Size	Jets	Out At	In At	Footage	Hours	Condition of Pulled Bit	Weight Carried	Table Speed	Surveys	D. Collars	Stands	Singles	Other	Kelly In	Total	PUMPS	Liner Size	Speed	Pressure	Vis	Wt	Gels	W.L.	F.C.	Ph.	Additives	Start	Stop	TOTALS
3	M.H.N	762049	8 5/8			22 1/4	223	21 1/2	T	19 515.30	30 1898.51		19 515.30	30 1898.51		sub	1.00	2424	No. 1	6 3/4	62	600		68	96	8.4	2/32	12.5		4:00	5:00	15
Depth At End of Tour <u>2437</u> ft.																																
Depth At Start of Tour <u>2425</u> ft.																																
Footage This Tour <u>12</u> ft.																																
Hours on Bottom <u>1</u>																																
Day Work W.P. _____ Hrs. _____ Mins. Other _____ Hrs. _____ Mins.																																
Day Work W.O.P. _____ Hrs. _____ Mins. Contractor Time _____ Hrs. _____ Mins.																																

Totco Ring on Bit No.: _____ Fuel Used Today _____ Gals. Water Truck _____ hrs.
B.O.P.'s Test Operated for _____ mins. @ _____ p.s.i. Results _____
Weather Cond. _____ Road Cond. _____ Temp. _____ °FTool Pusher _____
Approved By _____Day Work W.P. _____ Hrs. _____ Mins. Other _____ Hrs. _____ Mins.
Day Work W.O.P. _____ Hrs. _____ Mins. Contractor Time _____ Hrs. _____ Mins.



GAS & OIL ENTERPRISES LTD.

DAILY DRILLING REPORT

RIG TIME DATA

No 01290

(Please Show Footage Made While Control Drilling As Well As Hours)

Well Name and No. CANSO. ET. AL.

LSD. 60-3-17-25

Operator VANDERGRIFT, K.B. Elev.

ft.

Rig No. 11

Date DEC. 13, 1948

BIT RECORD			DRILLING INFORMATION			DRILLING STRING			MUD			TIME			DETAILS OF WORK DONE			INTERVAL		
Number	Type	Serial No.	Weight Carried	Table Speed	Surveys	D. Collars	Stands	Singles	Other	Kelly In	Total	PUMPS	Liner Size	Speed	Pressure	Start	Stop			
2	M.H.N.	733741	25-35	80-120		19 515.34	1713.29									12:00	1:30	FING PULLING OUT Plug Bit		1 30
																1:30	3:00	IN PHO D.C.		1 30
																3:00	8:00	RAN PH OUT Bit #2		5
OBBERK. & CREW WORKED 4 HRS ON DEC. 12. ON WATER LINES																				
TOTALS																				
Day Work W.P. _____ Hrs. _____ Mins. Other _____ Hrs. _____ Mins.																				
Day Work W.O.P. _____ Hrs. _____ Mins. Contractor Time _____ Hrs. _____ Mins.																				

BIT RECORD			DRILLING INFORMATION			DRILLING STRING			MUD			TIME			DETAILS OF WORK DONE			INTERVAL		
Number	Type	Serial No.	Weight Carried	Table Speed	Surveys	D. Collars	Stands	Singles	Other	Kelly In	Total	PUMPS	Liner Size	Speed	Pressure	Start	Stop			
3	M.H.N.	733741	25-35	80-120		19 515.34	1713.29									8:00	9:30	THAW OUT KELLY & PUT HOSE ON KELLY & BREAK CIRC. & BIG SER. & BOPS.		1 30
																9:00	1:30	REAM OUT TIGHT SPOT/STO BOTTOM 240 FEET.		3
																1:30	1:30	DRILLING 8 7/8 HOLE.		1 30
																1:30	3:15	WORK ON TABEL & CHANGE OIL		1 45
																3:15	4:00	DRILLING 8 7/8 HOLE.		45
TOTALS																				
Day Work W.P. _____ Hrs. _____ Mins. Other _____ Hrs. _____ Mins.																				
Day Work W.O.P. _____ Hrs. _____ Mins. Contractor Time _____ Hrs. _____ Mins.																				

BIT RECORD			DRILLING INFORMATION			DRILLING STRING			MUD			TIME			DETAILS OF WORK DONE			INTERVAL		
Number	Type	Serial No.	Weight Carried	Table Speed	Surveys	D. Collars	Stands	Singles	Other	Kelly In	Total	PUMPS	Liner Size	Speed	Pressure	Start	Stop			
3	M.H.N.	733741	35	47		19 515.34	29 1404.34									4:00	4:12	SER. Rig		1 15
																4:12	12:00	DRILL		7 45
TOTALS																				
Day Work W.P. _____ Hrs. _____ Mins. Other _____ Hrs. _____ Mins.																				
Day Work W.O.P. _____ Hrs. _____ Mins. Contractor Time _____ Hrs. _____ Mins.																				

BIT RECORD			DRILLING INFORMATION			DRILLING STRING			MUD			TIME			DETAILS OF WORK DONE			INTERVAL		
Number	Type	Serial No.	Weight Carried	Table Speed	Surveys	D. Collars	Stands	Singles	Other	Kelly In	Total	PUMPS	Liner Size	Speed	Pressure	Start	Stop			
3	M.H.N.	733741	35	47		19 515.34	29 1404.34									4:00	4:12	SER. Rig		1 15
																4:12	12:00	DRILL		7 45
TOTALS																				
Day Work W.P. _____ Hrs. _____ Mins. Other _____ Hrs. _____ Mins.																				
Day Work W.O.P. _____ Hrs. _____ Mins. Contractor Time _____ Hrs. _____ Mins.																				

Totco Ring on Bit No.: _____ Fuel Used Today _____ Gals. Water Truck _____ hrs.
B.O.P.'s Test Operated for _____ mins. @ _____ p.s.i. Results _____
Weather Cond. _____ Road Cond. _____ Temp. _____ °F.

Tool Pusher _____
Approved By _____

Day Work W.P. _____ Hrs. _____ Mins. Other _____ Hrs. _____ Mins.

Day Work W.O.P. _____ Hrs. _____ Mins. Contractor Time _____ Hrs. _____ Mins.



GAS & OIL ENTERPRISES LTD.

DAILY DRILLING REPORT

RIG TIME DATA

No 01289

(Please Show Footage Made While Control Drilling As Well As Hours)

Well Name and No. CANSD. ET. AL.

L.S.D. 60-3-17-25

Operator VANDERGRIFT K.B. Elev.

ft.

Rig No. 1.

Date DEC. 12, 1968

BIT RECORD			DRILLING INFORMATION			DRILLING STRING			MUD			TIME			DETAILS OF WORK DONE			INTERVAL																											
Number	Type	Serial No.	Size	Jets	Out At	In At	Footage	Hours	Condition of Pulled Bit	Weight Carried Lbs.	Table Speed R.P.M.	Surveys:	D. Collars	Stands	Singles	Other	Kelly In	Total	PUMPS	No. 1	No. 2	Liner Size	Speed	Pressure	Vis.	Wt.	Gels.	W.L.	F.C.	Ph.	Additives	Start	Stop	TOTALS	Hrs.	Mins.									
2	VT-4	E15403	9 5/8			1664	550	14 3/4	T				19	515.34																		12:00	8:00	8											
																														MOTORS			No. 1	No. 2	No. 3	No. 4	No. 5	Day Work W.P.			Hrs.	Mins.	Other	Hrs.	Mins.
																														Motor Hours								Day Work W.O.P.			Hrs.	Mins.	Contractor Time	Hrs.	Mins.
																														Next Oil Change								Day Work W.O.P.			Hrs.	Mins.	Contractor Time	Hrs.	Mins.
																														Filters Used								Day Work W.O.P.			Hrs.	Mins.	Contractor Time	Hrs.	Mins.

BIT RECORD			DRILLING INFORMATION			DRILLING STRING			MUD			TIME			DETAILS OF WORK DONE			INTERVAL																											
Number	Type	Serial No.	Size	Jets	Out At	In At	Footage	Hours	Condition of Pulled Bit	Weight Carried Lbs.	Table Speed R.P.M.	Surveys:	D. Collars	Stands	Singles	Other	Kelly In	Total	PUMPS	No. 1	No. 2	Liner Size	Speed	Pressure	Vis.	Wt.	Gels.	W.L.	F.C.	Ph.	Additives	Start	Stop	TOTALS	Hrs.	Mins.									
3	M 4 1/2	733741	8 5/8			2214			T				19	515.34			Sub 1	1 00														8:00	11:30	3	30										
																														MOTORS			No. 1	No. 2	No. 3	No. 4	No. 5	Day Work W.P.			Hrs.	Mins.	Other	Hrs.	Mins.
																														Motor Hours								Day Work W.O.P.			Hrs.	Mins.	Contractor Time	Hrs.	Mins.
																														Next Oil Change								Day Work W.O.P.			Hrs.	Mins.	Contractor Time	Hrs.	Mins.
																														Filters Used								Day Work W.O.P.			Hrs.	Mins.	Contractor Time	Hrs.	Mins.

BIT RECORD			DRILLING INFORMATION			DRILLING STRING			MUD			TIME			DETAILS OF WORK DONE			INTERVAL																											
Number	Type	Serial No.	Size	Jets	Out At	In At	Footage	Hours	Condition of Pulled Bit	Weight Carried Lbs.	Table Speed R.P.M.	Surveys:	D. Collars	Stands	Singles	Other	Kelly In	Total	PUMPS	No. 1	No. 2	Liner Size	Speed	Pressure	Vis.	Wt.	Gels.	W.L.	F.C.	Ph.	Additives	Start	Stop	TOTALS	Hrs.	Mins.									
									T																							4:00	7:00	3	5										
																														MOTORS			No. 1	No. 2	No. 3	No. 4	No. 5	Day Work W.P.			Hrs.	Mins.	Other	Hrs.	Mins.
																														Motor Hours								Day Work W.O.P.			Hrs.	Mins.	Contractor Time	Hrs.	Mins.
																														Next Oil Change								Day Work W.O.P.			Hrs.	Mins.	Contractor Time	Hrs.	Mins.
																														Filters Used								Day Work W.O.P.			Hrs.	Mins.	Contractor Time	Hrs.	Mins.

Totco Ring on Bit No.: _____ Fuel Used Today _____ Gals.

Water Truck _____ hrs.

B.O.P.'s Test Operated for _____ mins. @ _____ p.s.i. Results _____

Weather Cond. _____ Road Cond. _____ Temp. _____ °F

Tool Pusher _____

Approved By _____

Day Work W.P. _____ Hrs. _____ Mins. Other _____ Hrs. _____ Mins.

Day Work W.O.P. _____ Hrs. _____ Mins. Contractor Time _____ Hrs. _____ Mins.



GAS & OIL ENTERPRISES LTD.

DAILY DRILLING REPORT

RIG TIME DATA

(Please Show Footage Made While Control Drilling As Well As Hours)

Well Name and No. CANSO ET. AL.

L.S.D. 60.3-17-25

Operator VANDERGRIFT, K.B. Elev.

ft.

Rig No. 1

Date DEC. 11, 1968

BIT RECORD			DRILLING INFORMATION			DRILLING STRING			MUD				TIME		DETAILS OF WORK DONE		INTERVAL		
Number	Type	Serial No.	Weight Carried	Table Speed	Surveys	D. Collars	Stands	Singles	Other	Kelly In	Total	PUMPS	No. 1	No. 2	Start	Stop		Hrs	Mins
2	Y.T.L.A.	F15403	25-40	90-120		19	515.34	21	1279.27	41.00	1836.61				12:00	4:00	RUN IN BIT # 2 & PUT ON KELLY HOSE & THAW OUT KELLY. DRILLING 8 3/8 HOLE.	4	30
Size	8 3/8														4:30	4:45	SEE SER. V BOPS. DRILLING 8 3/8 HOLE.	3	15
Out At																			
In At	1664																		
Footage	174																		
Hours	3 3/4																		
Condition of Pulled Bit	T	B	G																
Depth At End of Tour	1830																		
Depth At Start of Tour	1664																		
Footage This Tour	174																		
Hours on Bottom	3 3/4																		
2	Y.T.L.A.	F15403	22000	80-120		19	1515.34	26	1557.90	26	2099.24				8:00	8:15	SEE SER. R19 - WORKING ON PUMP MOTORS	1	30
Size	8 3/8														8:45	10:15	DRILLING WORKING ON PUMP	3	15
Out At															10:30	10:30	DRILLING		
In At	1664														13:00	2:00	SEE SER. R19 - GREASING SWIVEL - CON.		
Footage	10														2:15	4:00	DRILLING	1	45
Hours	10																		
Condition of Pulled Bit	T	B	G																
Depth At End of Tour	2099.24																		
Depth At Start of Tour	1938																		
Footage This Tour	261																		
Hours on Bottom	6 3/4																		
2	Y.T.L.A.	F15403	25000	45		19	515.34	28	1682.61	16	2214.95				4:00	4:15	SEE SER. R19 - DRILL	1	45
Size	8 3/8														6:00	7:00	Work on hydroill line. Check Hydroill	3	
Out At	2214														7:00	10:00	DRILL	2	
In At	1664														10:00	12:00	Pull out		
Footage	550																		
Hours	14 3/4																		
Condition of Pulled Bit	T	B	G																
Depth At End of Tour	2214																		
Depth At Start of Tour	2099																		
Footage This Tour	115																		
Hours on Bottom	4 3/4																		

Totco Ring on Bit No.: _____ Fuel Used Today _____ Gals. Water Truck _____ hrs.
 B.O.P.'s Test Operated for _____ mins. @ _____ p.s.i. Results _____
 Weather Cond. _____ Road Cond. _____ Temp. _____ °F

Tool Pusher _____
 Approved By _____

Day Work W.P. _____ Hrs. _____ Mins. Other _____ Hrs. _____ Mins.
 Day Work W.O.P. _____ Hrs. _____ Mins. Contractor Time _____ Hrs. _____ Mins.

(Please Show Footage Made While Control Drilling As Well As Hours)

Well Name and No. CAN 50 ET. AL.

L.S.D. 60-3-17-25

Operator PANDERGIFT. K.B. Elev.

K.B. Elev

... f

Ria No. 7.

Date DEC. 10. 1968

[illegible]

Totco Ring on Bit No.: _____ Fuel Used Today _____ Gals. Water Truck _____ hrs.
B.O.P.'s Test Operated for _____ mins. @ _____ p.s.i. Results _____
Weather Cond. _____ Road Cond. _____ Temp. _____ °F

Tool Pusher _____
Approved By _____

Day Work W.P. _____ Hrs. _____ Mins. Other _____ Hrs. _____ Mins.

Day Work W.O.P. _____ Hrs. _____ Mins. Contractor Time _____ Hrs. _____ Mins.

(Please Show Footage Made While Control Drilling As Well As Hours)

Well Name and No. *CANSO. ET. AL.*

L.S.D. 60-3-17-25

Operator HANDGRIFF K.B. Elev.

ff

Rig No. 1.

Date DEC. 9. 1968

[illegible][illegible]

BIT RECORD				DRILLING INFORMATION				DRILLING STRING		FEET		MUD				TIME		DETAILS OF WORK DONE				INTERVAL			
Number				Weight Carried			Lbs.	D. Collars	No.			Vis.					Start	Stop				Hrs	Mins		
Type	S-33			Table Speed	120		R.P.M.	Stands	763	13	515.34	Wt.					4:00	4:30	WORK TIGHT HOLE LAY DOWN SINGLE				30		
Serial No.	173633			Surveys:				Singles		1	779.32	Gels.					4:30	5:15	CLEAN TANKS				45		
Size	4 3/4			1140° at	3/4	ft.	° at					W.L.					5:15	7:00	CARRIAGE MUD				2	15	
Jets				° at		ft.	° at					F.C.					7:00	8:00	RUN BACK TO PATTERN				30		
Out At				Drill Collars:				Other	Sub 1		1.00	Ph.					8:00	8:30	SURVEY 1150 3/4				30		
In At	327			No. 1 1/4 O.D. 2 3/4 I.D.			Wt. 3500	Kelly In			31.60	Additives					8:30	12:00	DRILL				3	30	
Footage	1003			No. O.D. I.D.			Wt.	Total			30.66														
Hours	32 1/2			PUMPS		No. 1	No. 2					GEL 30 SAX													
Condition of Pulled Bit	T	B	G	Last Casing:				Liner Size	6 1/2	15		CAUSTIC 4 SAX													
				Size 9 5/4 in. Set @ 327 ft. K.B.				Speed	64			PETEX 14 SAX													
				Drilling Line:				Pressure	700																
Depth At End of Tour	1330	ft.		Size	Trips	No. Lines	Ton Miles	Total Mile.				MOTORS	No. 1	No. 2	No. 3	No. 4	No. 5								
Depth At Start of Tour	1140	ft.										Motor Hours													
Footage This Tour	190	ft.										Next Oil Change													
Hours on Bottom	3 1/2			Feet Slip or Cut		Feet Left on Spool		Next Slip or Cut				Filters Used													
																						Day Work W.P. _____ Hrs. _____ Mins. Other _____ Hrs. _____ Mins.			
																						Day Work W.O.P. _____ Hrs. _____ Mins. Contractor Time _____ Hrs. _____ Mins.			

Totco Ring on Bit No.: _____ Fuel Used Today _____ Gals. Water Truck _____ hrs.
B.O.P.'s Test Operated for _____ min.s. @ _____ p.s.i. Results _____
Weather Cond. _____ Road Cond. _____ Temp. _____ °F

Tool Pusher _____
Approved By _____

Day Work W.P. _____ Hrs. _____ Mins. Other _____ Hrs. _____ Mins.

Day Work W.O.P. _____ Hrs. _____ Mins. Contractor Time _____ Hrs. _____ Mins.



GAS & OIL ENTERPRISES LTD.

DAILY DRILLING REPORT

RIG TIME DATA

No 01285

(Please Show Footage Made While Control Drilling As Well As Hours)

Well Name and No. CANSO ET. AL.

L.S.D. 60-3-17-25

Operator VANDERGRIFT, K.B. Elev.

ft. Rig No. 1

Date DEC. 8. 1968

BIT RECORD			DRILLING INFORMATION			DRILLING STRING		FEET		MUD		TIME		DETAILS OF WORK DONE		INTERVAL											
Number	Type	Serial No.	Weight Carried	Table Speed	Surveys	D. Collars	Stands	Singles	Other	Kelly In	Total	Vis.	Wt.	Gels.	W.L.	F.C.	Ph.	Start	Stop		Hrs	Mins					
1	S-33	173623	15-35	60-120		19	51534	2	62.24	28.48	507.00	2.8	8.4					12:00	12:15	RIG SER. - BOFS.	2	15					
Size	8 3/4																	12:15	3:00	DRILLING 8 3/4" HOLE.	2	45					
Jets																		3:00	3:30	WORK ON MUD LINE		30					
Out At																		3:30	4:30	DRILLING 8 3/8" HOLE	1						
In At	327																	4:30	5:45	RUN SURVEY ON SAND LINE SURVEY							
Footage	280																		5:45	8:00	STUCK IN J.C. BROKE SAND LINE						
Hours	10.4																										
Condition of Pulled Bit	T	B	G																								
Depth At End of Tour	467																										
Depth At Start of Tour	460																										
Footage This Tour	647																										
Hours on Bottom	5																										
																		TOTALS	8								
																		Day Work W.P.		Hrs.		Mins.	Other		Hrs.		Mins.
																		Day Work W.O.P.		Hrs.		Mins.	Contractor Time		Hrs.		Mins.

BIT RECORD			DRILLING INFORMATION			DRILLING STRING		FEET		MUD		TIME		DETAILS OF WORK DONE		INTERVAL											
Number	Type	Serial No.	Weight Carried	Table Speed	Surveys	D. Collars	Stands	Singles	Other	Kelly In	Total	Vis.	Wt.	Gels.	W.L.	F.C.	Ph.	Start	Stop		Hrs	Mins					
1	S-33	173633	15-36	120		19	51534	3	127.67	3041.50	744.01							8:00	10:15	Drilling	2	15					
Size	8 3/4																	10:15	11:30	WORKING ON MUD LINE + STRIP							
Jets																		11:30	1:30	ING SAND LINE + WORK ON PUMP	2	15					
Out At																		1:30	1:45	Drilling							
In At	327																	1:45	2:30	WORKING ON SWIVEL NIPPLE							
Footage	417																	2:30	3:45	4. PUMP LINERS	1	45					
Hours	15.34																	3:45	4:00	WORKING ON SWIVEL NIPPLE							
Condition of Pulled Bit	T	B	G																								
Depth At End of Tour	714.01																										
Depth At Start of Tour	607																										
Footage This Tour	137																										
Hours on Bottom	5.3																										
																		TOTALS	8								
																		Day Work W.P.		Hrs.		Mins.	Other		Hrs.		Mins.
																		Day Work W.O.P.		Hrs.		Mins.	Contractor Time		Hrs.		Mins.

BIT RECORD			DRILLING INFORMATION			DRILLING STRING		FEET		MUD		TIME		DETAILS OF WORK DONE		INTERVAL											
Number	Type	Serial No.	Weight Carried	Table Speed	Surveys	D. Collars	Stands	Singles	Other	Kelly In	Total	Vis.	Wt.	Gels.	W.L.	F.C.	Ph.	Start	Stop		Hrs	Mins					
1	S-33	173633	40000	110		19	51534	1		19	844	2.9	8.8					4:00	4:15	SERV. Rig							
Size	9 1/2																	4:15	4:40	CLEAN CHAKER TANK							
Jets																		4:40	7:00	DRILL	2	30					
Out At																		7:00	7:15	HOLD TIGHT WORK SAND							
In At	327																	7:15	10:05	WORK ON PUMP. Change nipple							
Footage	521																	10:05	10:25	on SWIVEL	2	30					
Hours	19																	10:25	11:20	SURVEY 8 3/8 3/4"							
Condition of Pulled Bit	T	B	G															11:20	12:00	DRILL							
Depth At End of Tour	844																										
Depth At Start of Tour	744																										
Footage This Tour	104																										
Hours on Bottom	3																										
																		TOTALS	8								
																		Day Work W.P.		Hrs.		Mins.	Other		Hrs.		Mins.
																		Day Work W.O.P.		Hrs.		Mins.	Contractor Time		Hrs.		Mins.

Totco Ring on Bit No. _____ Fuel Used Today _____ Gals. Water Truck _____ hrs.
B.O.P.'s Test Operated for _____ mins. @ _____ p.s.i. Results _____
Weather Cond. _____ Road Cond. _____ Temp. _____ °F.

Tool Pusher _____
Approved By _____

Day Work W.P. _____ Hrs. _____ Mins. Other _____ Hrs. _____ Mins.
Day Work W.O.P. _____ Hrs. _____ Mins. Contractor Time _____ Hrs. _____ Mins.



RIG TIME DATA

№ 01284

(Please Show Footage Made While Control Drilling As Well As Hours)

Weil Name and No. EANSO ET AL.

L.S.D. 60-3-17-25.

Operator *PANDERGERIFT.*

K.B. Elev.

ft

Rig No. 4

Date DEC. 7. 1968

[illegible]

To: Co. Ring on Bit No.: _____ Fuel Used Today _____ Gals. Water Truck _____ Tons.
B.O.P.'s Test Operated for _____ mins. @ _____ p.s.i. Results _____
Weather Cond. _____ Road Cond. _____ Temp. _____ °F

Tool Pusher _____
Approved By _____

Day Work W P _____ Hrs. _____ Mins. Other _____ Hrs. _____ Mins.

Day Work W.O.P. _____ Hrs. _____ Mins. Contractor Time _____ Hrs. _____ Mins.



GAS & OIL ENTERPRISES LTD.

DAILY DRILLING REPORT

RIG TIME DATA

No 01283

(Please Show Footage Made While Control Drilling As Well As Hours)

Well Name and No. CANISO ET. A. L.L.S.D. 60-3-17-25Operator VANDERGRIFF K.B. Elev. _____

ft. _____

Rig No. 1Date DEC. 6, 1968

BIT RECORD				DRILLING INFORMATION				DRILLING STRING		FEET		MUD		12		2 a.m.		4 a.m.		6 a.m.		Start TIME Stop		DETAILS OF WORK DONE		INTERVAL			
Number	1			Weight Carried	Lbs.			D. Collars				Vis.										12:00	9:00	HEADING UP BOPS					
Type	S. 3.3			Table Speed	R.P.M.			Stands				Wt.																	
Serial No.	173623			Surveys:				Singles				Gels.																	
Size	8 3/4			° at _____ ft. ° at _____ ft.				Other				W.L.																	
Jets				° at _____ ft. ° at _____ ft.				Other				F.C.																	
Out At				Drill Collars:				Kelly In				Ph.																	
In At				No. _____ O.D. _____ I.D. _____ Wt. _____				Total				Additives																	
Footage				No. _____ O.D. _____ I.D. _____ Wt. _____				PUMPS	No. 1	No. 2																			
Hours				Last Casing:				Liner Size	6" x 15																				
Condition of Pulled Bit	T	B	G	Size <u>9 5/8</u> in. Set @ <u>327</u> ft. K.B.				Speed																					
Depth At End of Tour				Drilling Line:				Pressure																					
Depth At Start of Tour				Size	Trips	No. Lines	Ton Miles	Total Miles																					
Footage This Tour				Feet Slip or Cut			Feet Left on Spool	Next Slip or Cut																					
Hours on Bottom																													
																								TOTALS		8			
																								Day Work W.P. _____ Hrs. _____ Mins. Other _____ Hrs. _____ Mins.					
																								Day Work W.O.P. _____ Hrs. _____ Mins. Contractor Time _____ Hrs. _____ Mins.					

BIT RECORD				DRILLING INFORMATION				DRILLING STRING		FEET		MUD		8 a.m.		10 a.m.		12 Noon		2 p.m.		Start TIME Stop		DETAILS OF WORK DONE		INTERVAL			
Number				Weight Carried	Lbs.			D. Collars				Vis.										8:00	4:00	HEADING UP & WORKING ON PUMP					
Type				Table Speed	R.P.M.			Stands				Wt.																	
Serial No.				Surveys:				Singles				Gels.																	
Size				° at _____ ft. ° at _____ ft.				Other				W.L.																	
Jets				° at _____ ft. ° at _____ ft.				Other				F.C.																	
Out At				Drill Collars:				Kelly In				Ph.																	
In At				No. _____ O.D. _____ I.D. _____ Wt. _____				Total				Additives																	
Footage				No. _____ O.D. _____ I.D. _____ Wt. _____				PUMPS	No. 1	No. 2																			
Hours				Last Casing:				Liner Size																					
Condition of Pulled Bit	T	B	G	Size _____ in. Set @ _____ ft. K.B.				Speed																					
Depth At End of Tour				Drilling Line:				Pressure																					
Depth At Start of Tour				Size	Trips	No. Lines	Ton Miles	Total Miles																					
Footage This Tour				Feet Slip or Cut			Feet Left on Spool	Next Slip or Cut																					
Hours on Bottom																													
																								TOTALS					
																								Day Work W.P. _____ Hrs. _____ Mins. Other _____ Hrs. _____ Mins.					
																								Day Work W.O.P. _____ Hrs. _____ Mins. Contractor Time _____ Hrs. _____ Mins.					

BIT RECORD				DRILLING INFORMATION				DRILLING STRING		FEET		MUD		4 p.m.		6 p.m.		8 p.m.		10 p.m.		Start TIME Stop		DETAILS OF WORK DONE		INTERVAL			
Number				Weight Carried	Lbs.			D. Collars				Vis.												NIPPLING UP WARE ON WELDER					
Type				Table Speed	R.P.M.			Stands				Wt.																	
Serial No.				Surveys:				Singles				Gels.																	
Size				° at _____ ft. ° at _____ ft.				Other				W.L.																	
Jets				° at _____ ft. ° at _____ ft.				Other				F.C.																	
Out At				Drill Collars:				Kelly In				Ph.																	
In At				No. _____ O.D. _____ I.D. _____ Wt. _____				Total				Additives																	
Footage				No. _____ O.D. _____ I.D. _____ Wt. _____				PUMPS	No. 1	No. 2																			
Hours				Last Casing:				Liner Size																					
Condition of Pulled Bit	T	B	G	Size _____ in. Set @ _____ ft. K.B.				Speed																					
Depth At End of Tour				Drilling Line:				Pressure																					
Depth At Start of Tour				Size	Trips	No. Lines	Ton Miles	Total Miles																					
Footage This Tour				Feet Slip or Cut			Feet Left on Spool	Next Slip or Cut																					
Hours on Bottom																													
																								TOTALS		9			
																								Day Work W.P. _____ Hrs. _____ Mins. Other _____ Hrs. _____ Mins.					
																								Day Work W.O.P. _____ Hrs. _____ Mins. Contractor Time _____ Hrs. _____ Mins.					

Torco Ring on Bit No.: _____ Fuel Used Today _____ Gals. Water Truck _____ hrs.
B.O.P.'s Test Operated for _____ mins. @ _____ p.s.i. Results _____
Weather Cond. _____ Road Cond. _____ Temp. _____ °F

Tool Pusher _____
Approved By _____

Day Work W.P. _____ Hrs. _____ Mins. Other _____ Hrs. _____ Mins.
Day Work W.O.P. _____ Hrs. _____ Mins. Contractor Time _____ Hrs. _____ Mins.



RIG TIME DATA

Nº 01282

(Please Show Footage Made While Control Drilling As Well As Hours)

Well Name and No. CANSO. EL. AL.

L.S.D. 60-3-17-25

Operator VANDERGRIET

K.B. Elev.

4

Rig No. 1.

Date 5.

1968

Total Ring on Bit No. _____ Fuel Used Today _____ Gals. Water Truck _____ hrs.
B.O.P.'s Test Operated for _____ mins. @ _____ p.s.i. Results _____
Weather Cond. _____ Road Cond. _____ Temp. _____ °F

Tool Pusher.

Approved By:

Day Work W.P. _____ Hrs. _____ Mins. Other _____ Hrs. _____ Mins.

Day Work W.O. . . . Hrs. . . . Mins. Contractor Time . . . Hrs. . . . Mins.



GAS & OIL ENTERPRISES LTD.

DAILY DRILLING REPORT

RIG TIME DATA

No 01281

(Please Show Footage Made While Control Drilling As Well As Hours)

Well Name and No. CANSO. ET. AL.

L.S.D. 60-3-17-25

Operator VANDERGRIFT.

K.B. Elev.

ft.

Rig No. 1

Date DEC. 4 1968

BIT RECORD			DRILLING INFORMATION			DRILLING STRING		FEET		MUD		12		2 a.m.		4 a.m.		6 a.m.		Start TIME Stop		DETAILS OF WORK DONE		INTERVAL								
Number	3		Weight Carried	5-15	Lbs.	D. Collars	10	252.50	Vis.	80	80									12:00	2:00	RIG SER. + WORK ON PUMP.	2	15								
Type	S.3		Table Speed	90	R.P.M.	Stands			Wt.	9.9	9.9									2:00	4:30	DRILLING 12 1/4 HOLE.	2	30								
Serial No.	R.R.		Surveys:			Singles			Gels.											4:30	5:00	WORK ON MUD PUMP.		30								
Size	12 1/4		° at 3000 ft. ° at		ft.	Other	SUB.	240	W.L.											5:00	5:30	DRILLING 12 1/4 HOLE.		30								
Jets			° at ft. ° at ft.			Other			F.C.											5:30	7:00	WORK ON MUD PUMP.	1	30								
Out At			Drill Collars:			Kelly In		3100	Ph.											7:00	7:30	DRILLING 12 1/4 HOLE.		30								
In At	210		No. O.D. I.D. Wt.			Total		290.18	Additives											7:30	8:00	WORK ON PUMP		30								
Footage	80		No. O.D. I.D. Wt.			PUMPS	No. 1	No. 2																								
Hours	15		Last Casing:			Liner Size	6" x 15"																									
Condition of Pulled-Bit	T	B	G			Speed	64																									
Size in. Set @ ft. K.B.			Drilling Line:			Pressure	300																									
Size Trips No. Lines Ton Miles Total Miles						MOTORS	No. 1	No. 2	No. 3	No. 4	No. 5																					
Feet Slip or Cut Feet Left on Spool Next Slip or Cut						Motor Hours																										
Depth At End of Tour	290	ft.				Next Oil Change																										
Depth At Start of Tour	274	ft.				Filters Used																										
Footage This Tour	21	ft.																														
Hours on Bottom	35																															
																						TOTALS	8									
																						Day Work W.P.		Hrs.		Mins.	Other		Hrs.		Mins.	
																						Day Work W.O.P.		Hrs.		Mins.	Contractor Time		Hrs.		Mins.	

BIT RECORD			DRILLING INFORMATION			DRILLING STRING		FEET		MUD		8 a.m.		10 a.m.		12 Noon		2 p.m.		Start TIME Stop		DETAILS OF WORK DONE		INTERVAL								
Number	3	4	Weight Carried	8-15	Lbs.	D. Collars	11	286.5	Vis.	40	40	40								8:00	8:30	RIG SER. WORK ON PUMP.		30								
Type	S.3	YSI-R	Table Speed	80-100	R.P.M.	Stands			Wt.	9.9	9.9	9.9								8:30	10:30	DRILLING 12 1/4 HOLE.	2	15								
Serial No.	R.R.	4693085	Surveys:			Singles			Gels.											10:30	10:45	SURVEY @ 300'		15								
Size	12 1/4	13 1/4	° at 200 ft. ° at		ft.	Other			W.L.											10:45	1:00	DRILLING 12 1/4 HOLE.	2	15								
Jets			° at ft. ° at ft.			Other			F.C.											1:00	1:30	WORKING ON PUMP		30								
Out At			Drill Collars:			Kelly In		29	Ph.											1:30	2:00	WORKING ON AIR LINE		30								
In At	210		No. O.D. I.D. Wt.			Total		315.43	Additives											2:00	3:00	TRIP CHANGING BIT NO. 4	1	45								
Footage			No. O.D. I.D. Wt.			PUMPS	No. 1	No. 2												3:00	3:45	REAMING TO BOTTOM		45								
Hours	17		Last Casing:			Liner Size	6" x 15"													3:45	4:00	DRILLING 12 1/4 HOLE		15								
Condition of Pulled-Bit	T	B	G			Speed	64																									
Size in. Set @ ft. K.B.			Drilling Line:			Pressure	350																									
Size Trips No. Lines Ton Miles Total Miles						MOTORS	No. 1	No. 2	No. 3	No. 4	No. 5																					
Feet Slip or Cut Feet Left on Spool Next Slip or Cut						Motor Hours																										
Depth At End of Tour		ft.				Next Oil Change																										
Depth At Start of Tour	290	ft.				Filters Used																										
Footage This Tour		ft.																														
Hours on Bottom																																
																						TOTALS	8									
																						Day Work W.P.		Hrs.		Mins.	Other		Hrs.		Mins.	
																						Day Work W.O.P.		Hrs.		Mins.	Contractor Time		Hrs.		Mins.	

BIT RECORD			DRILLING INFORMATION			DRILLING STRING		FEET		MUD		4 p.m.		6 p.m.		8 p.m.		10 p.m.		Start TIME Stop		DETAILS OF WORK DONE		INTERVAL								
Number	4		Weight Carried		Lbs.	D. Collars	11	284.43	Vis.											4:00	5:15	DRILLING	1	15								
Type	YSI-R		Table Speed		R.P.M.	Stands			Wt.											5:15	6:15	CIR. HOLE TO RUN CASING		30								
Serial No.	4693085		Surveys:			Singles			Gels.											6:15	6:45	WORKING ON CONTAIN. PANEL		30								
Size	12 1/4		° at ft. ° at		ft.	Other			W.L.											6:45	7:45	HOISTING TO RUN CASING	1	45								
Jets			° at ft. ° at ft.			Other			F.C.											7:45	9:30	HOISTING UP TO RUN CASING		45								
Out At			Drill Collars:			Kelly In		41	Ph.											9:30	12:00	HOISTING CASING	3	30								
In At			No. O.D. I.D. Wt.			Total		327.43	Additives																							
Footage			No. O.D. I.D. Wt.			PUMPS	No. 1	No. 2																								
Hours			Last Casing:			Liner Size																										
Condition of Pulled Bit	T	B	G			Speed																										
Size in. Set @ ft. K.B.			Drilling Line:			Pressure																										
Size Trips No. Lines Ton Miles Total Miles						MOTORS	No. 1	No. 2	No. 3	No. 4	No. 5																					
Feet Slip or Cut Feet Left on Spool Next Slip or Cut						Motor Hours																										
Depth At End of Tour		ft.				Next Oil Change																										
Depth At Start of Tour		ft.				Filters Used																										
Footage This Tour		ft.																														
Hours on Bottom																																
																						TOTALS	8									
																						Day Work W.P.		Hrs.		Mins.	Other		Hrs.		Mins.	
																						Day Work W.O.P.		Hrs.		Mins.	Contractor Time		Hrs.		Mins.	

Total Ring on Bit No.: _____ Fuel Used Today _____ Gals. Water Truck _____ hrs.
B.O.P.'s Test Operated for _____ mins. @ _____ p.s.i. Results _____
Weather Cond. _____ Road Cond. _____ Temp. _____ °F.

Tool Pusher _____
Approved By _____

Day Work W.P. _____ Hrs. _____ Mins. Other _____ Hrs. _____ Mins.
Day Work W.O.P. _____ Hrs. _____ Mins. Contractor Time _____ Hrs. _____ Mins.



RIG TIME DATA

№ 01280

(Please Show Footage Made While Control Drilling As Well As Hours)

Well Name and No. CAN 2 ETAL. 66-3-12-25 L.S.D.

Operator WENDER GRIFFIN

K.B. Elev.

ft.

Rig No. 4

Date 27 Feb 1948

[illegible]

Torque Ring on Bit No.: _____ Fuel Used Today _____ Gals. Water Truck _____ hrs.

B.O.P's Test Operated for _____ mins. @ _____ p.s.i. Results _____

Weather Cond. _____ Road Cond. _____ Temp. _____ °F

Tool Pusher.

Approved By _____

Day Work W.P. _____ Hrs. _____ Mins. Other _____ Hrs. _____ Mins.

Day Work W.O.P. _____ Hrs. _____ Mins. Contractor Time _____ Hrs. _____ Mins.

(Please Show Footage Made While Control Drilling As Well As Hours)

Well Name and No.

L.S.D.

Operator

K.B. Elev.

ft

Ria No. 1

Date Feb 2, 1968

[illegible]

BIT RECORD			DRILLING INFORMATION			DRILLING STRING		FEET				MUS				TIME		DETAILS OF WORK DONE		INTERVAL	
Number			Weight Carried	Lbs.		No.		8 a.m.	10 a.m.	12 Noon	2 p.m.	Start	Stop			Hrs	Mins				
Type	ASC. 3	ASC	Table Speed	4-80	R.P.M.	Standards		Vis.	38	38	38	36	8:00	10:00	DRILLING 13 ³ / ₄ HOLE.	2					
Serial No.	R.R.	R.R.	Surveys:			Singles	2.60	Wt.	8.5	8.5	8.5	7.3	10:00	10:15	RIG SER. & SURVEY @ 130	2	15				
Size	13 ³ / ₄	13 ³ / ₄	$\frac{3}{4}$ " at 130 ft.			Other		Gels.					10:15	1:00	DRILLING 13 ³ / ₄ HOLE.	2	45				
Jets			" at ft.			Other		W.L.					1:00	1:30	SER.		30				
Out A:			Drill Collars:			Kelly In	20	F.C.					1:30	2:00	HAISTING - CHANGE BIT NO. 2		30				
In-Ar			No. O.D. I.D. Wt.			Total		Ph.					2:00	2:50	RUN IN + PICKING UP PIPE		30				
Footage	132		No. O.D. I.D. Wt.			PUMPS	No. 1 No. 2	Additives					2:50	3:00	DRILLING 13 ³ / ₄	1	30				
Hours	15.4		Last Casing:			Liner Size	6 5/8 x 1 1/2		15 Lbs. Hal				3:00	3:30	WORKING ON POND		30				
Condition of Pulled Bit	T	B	Size in. Ser @ ft. K.B.			Speed	60		50 lbs Lime				3:30	4:00	SURVEY		30				
Depth At End of Tour	132	ft.	Drilling Line.			Pressure	200						4:00	4:30	STOPPED		30				
Depth At Start of Tour	92	ft.	Size Trips No. Lines Tan Miles Total Miles			MOTORS	No. 1 No. 2 No. 3 No. 4 No. 5						4:30	5:00	STARTED		30				
Footage This Tour	40	ft.	Feet Slip or Cut Feet Left on Spool Next Slip or Cut			Motor Hours							5:00	5:30	STOPPED		30				
on Bottom	6.44					Next Oil Change							5:30	6:00	STOPPED		30				
						Filters Used							6:00	6:30	STOPPED		30				
																TOTALS	8				
Day Work W.P. _____ Hrs. _____ Mins. Other _____ Hrs. _____ Mins.																					
Day Work W.O.P. _____ Hrs. _____ Mins. Contractor Time _____ Hrs. _____ Mins.																					

[illegible]

Totco Ring on Bit No.: _____ Fuel Used Today _____ Gals. Water Truck _____ hrs.
B.O.P.'s Test Operated for _____ mins. @ _____ p.s.i. Results _____

Tool Pusher: _____
Approved By: _____

Day Work W.P. _____ Hrs. _____ Mins. Other _____ Hrs. _____ Mins.



GAS & OIL ENTERPRISES LTD.

DAILY DRILLING REPORT

RIG TIME DATA

No 01278

(Please Show Footage Made While Control Drilling As Well As Hours)

Well Name and No. *Line at well Cameron #1-34* L.S.D.

Operator

K.B. Elev.

ft.

Rig No. 1

Date Dec 1 1948

BIT RECORD				DRILLING INFORMATION				DRILLING STRING		No.	FEET	MUD	12	2 a.m.	4 a.m.	6 a.m.	Start	TIME	Stop	DETAILS OF WORK DONE		INTERVAL				
Number				Weight Carried	Lbs.			D. Collars				Vis.					1200	1100		RIGGING UP						
Type				Table Speed	R.P.M.			Stands				Wt.														
Serial No.				Surveys:				Singles				Gels.														
Size				° at ft. ° at ft.				Other				W.L.														
Jets				° at ft. ° at ft.				Other				F.C.														
Out At				Drill Collars:				Kelly In				Ph.														
In At				No. O.D. I.D. Wt.				Total				Additives														
Footage				No. O.D. I.D. Wt.				PUMPS	No. 1	No. 2																
Hours				Last Casing:				Liner Size																		
Condition of Pulled Bit	T	B	G	Size in. Set @ ft. K.B.				Speed																		
Depth At End of Tour				ft.	Size	Trips	No. Lines	Ton Miles	Total Miles	MOTORS		No. 1	No. 2	No. 3	No. 4	No. 5				TOTALS		8				
Depth At Start of Tour				ft.						Motor Hours										Day Work W.P.		Hrs.	Mins.	Other	Hrs.	Mins.
Footage This Tour				ft.	Feet Slip or Cut		Feet Left on Spool		Next Slip or Cut	Next Oil Change										Day Work W.O.P.		Hrs.	Mins.	Contractor Time	Hrs.	Mins.
Hours on Bottom										Filters Used																

BIT RECORD				DRILLING INFORMATION				DRILLING STRING		No.	FEET	MUD	8 a.m.	10 a.m.	12 Noon	2 p.m.	Start	TIME	Stop	DETAILS OF WORK DONE		INTERVAL				
Number				Weight Carried	Lbs.			D. Collars				Vis.								Rigging up. + work kept on						
Type				Table Speed	R.P.M.			Stands				Wt.								PUMP TRANSPORTING RIG						
Serial No.				Surveys:				Singles				Gels.														
Size				° at ft. ° at ft.				Other				W.L.														
Jets				° at ft. ° at ft.				Other				F.C.														
Out At				Drill Collars:				Kelly In				Ph.														
In At				No. O.D. I.D. Wt.				Total				Additives														
Footage				No. O.D. I.D. Wt.				PUMPS	No. 1	No. 2																
Hours				Last Casing:				Liner Size																		
Condition of Pulled Bit	T	B	G	Size in. Set @ ft. K.B.				Speed																		
Depth At End of Tour				ft.	Size	Trips	No. Lines	Ton Miles	Total Miles	MOTORS		No. 1	No. 2	No. 3	No. 4	No. 5				TOTALS						
Depth At Start of Tour				ft.						Motor Hours										Day Work W.P.		Hrs.	Mins.	Other	Hrs.	Mins.
Footage This Tour				ft.	Feet Slip or Cut		Feet Left on Spool		Next Slip or Cut	Next Oil Change										Day Work W.O.P.		Hrs.	Mins.	Contractor Time	Hrs.	Mins.
Hours on Bottom										Filters Used																

BIT RECORD				DRILLING INFORMATION				DRILLING STRING		No.	FEET	MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.	Start	TIME	Stop	DETAILS OF WORK DONE		INTERVAL				
Number				Weight Carried	Lbs.			D. Collars				Vis.					1200	1100		WORKING ON PUMP		2				
Type				Table Speed	R.P.M.			Stands				Wt.					1200	735		PAVING MUD		1	30			
Serial No.				Surveys:				Singles				Gels.					1200	1000		DRILLING RAT HOLE		2	30			
Size				° at ft. ° at ft.				Other				W.L.					1200	1000		MOVING CASING & KILL DRILL COLLARS						
Jets				° at ft. ° at ft.				Other				F.C.					1200	1000		RIGGING UP TO SPUD IN		1				
Out At				Drill Collars:				Kelly In				Ph.														
In At				No. O.D. I.D. Wt.				Total				Additives														
Footage				No. O.D. I.D. Wt.				PUMPS	No. 1	No. 2																
Hours				Last Casing:				Liner Size																		
Condition of Pulled Bit	T	B	G	Size in. Set @ ft. K.B.				Speed																		
Depth At End of Tour				ft.	Size	Trips	No. Lines	Ton Miles	Total Miles	MOTORS		No. 1	No. 2	No. 3	No. 4	No. 5				TOTALS						
Depth At Start of Tour				ft.						Motor Hours										Day Work W.P.		Hrs.	Mins.	Other	Hrs.	Mins.
Footage This Tour				ft.	Feet Slip or Cut		Feet Left on Spool		Next Slip or Cut	Next Oil Change										Day Work W.O.P.		Hrs.	Mins.	Contractor Time	Hrs.	Mins.
Hours on Bottom										Filters Used																

Totco Ring on Bit No. _____ Fuel Used Today _____ Gals. Water Truck _____ hrs.

B.O.P.'s Test Operated for _____ mins. @ _____ p.s.i. Results _____

Weather Cond. _____ Road Cond. _____ Temp. _____ °F

Tool Pusher

Approved By

Day Work W.P. _____ Hrs. _____ Mins. Other _____ Hrs. _____ Mins.

Day Work W.O.P. _____ Hrs. _____ Mins. Contractor Time _____ Hrs. _____ Mins.