

DOME PAN AM CSP ALIX CELIBETH C-77

Drilling Authority No. 120
Date Issued December 1, 1967

WELL NAME: Dorian Park and CSP, Calibata C-77

FIELD: Millicent

Area:

LOCATION: Unit

Section

Grid AC-10-122-20

Latitude 90-05-12

Longitude 122-14-24

From Established Reference Marker Geologic Survey

U.W.I.R. AC-10233 -- 122.24139
U.W.I.No. 3600774010124000

Rig Release Date:

Status

Information Release Date

CHANGE OF NAME:

DATE RECEIVED	INDEX
Dec. 1, 1967	Application for a Drilling Authority.
Feb. 1, 1968	Well Completion Data.
	Well History Report.
12-5-67	Application to Amend a Drilling Authority.
	Application to change a Well Name.
6-2-68	Application to Abandon a Well or Suspend Drilling.
	Application to Alter Condition of a Well.
	Well History Supplement.
	Well Completion Data.
	Work-over Report No.
	Application to Commingle Production before Measurement.
	Data for Back Pressure Test on Natural Gas Wells — Monograph 7 Method.
	Data for Back Pressure Test on Natural Gas Wells — Vitter's Method.
	M.P.R. — Oil — Calculations.
	New Oil Well Report.
	New Gas Well Report.
	Well Inspection Report.
	Rig Inspection Report.
	Battery Inspection Report.
	Equipment Report.
	Well Card.
	New Service Well Report.
	Monthly Water Flood Operations Report
	Monthly Water Receipts and Disposal of Fluids Report
	Logs. Large scale Small scale



Drilling Authority No. 280
Date issued December 1, 1967

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
RESOURCE MANAGEMENT DIVISION

WELL COMPLETION DATA

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

Well name and number **Dome Pan Am Alux CWP Celibeta C-77**
Permit No. **2713** Lease No. **N/A**
Dome Petroleum, Pan American, Exploratory Licence No. **1043**
Canada Southern, Ltd. (Operator)
Dome Petroleum Limited Exploratory Licence No. **1043**

Location: Unit **C** Section **77** Grid **60°10' 122°00'**
Latitude **60°06'17"** Longitude **122°14'29"**
From Established Reference Marker **Geologic Survey**
Universal Well Location Reference **60.10333° N. Lat. 122.74136° W. Long.**

	DATE	DEPTH	Pool(s)
Spudded	Dec. 14/67		Interval(s) open to production
Suspended			
Resumed Operations			
Finished Drilling	Jan. 4/68	4764'	
Deepened			Elevation: Gr. 1360' K.B. 1361.5'
Complete (gas well)			Rig No. 6
Abandoned	Jan. 7/68		Drilling Contractor Can-Tex Drilling & Exploration
Rig released	Jan. 8/68		Contractor's Business Licence No. 18224

CASING RECORD

Casing Size (Inches)	Grade	Weight	Amount	Set at -	Sacks of Cement and Additives
1. 13-3/8"	J8	34.5	10 jts.	300	310 + 2% CaCl ₂
2. 9-5/8"	J-55	36	36 jts.	1145	425 + 2% CaCl ₂ + 4 sacks Gel-flakes
3.					
4.					
5.					
6.					

GEOLOGICAL TOPS	ELEVATION		CORE RECORD					
	Depth	Sub-Sec	From	To	Ret.	From	To	Ret.
Erskine	525'	+1057'						
Kotecho	545'	+1037'						
Tetcho	1473'	+109'						
Trout River	1730'	-148'						
Red Knife	1980'	-398'						
Jean-Marie	2422'	-840'						
Fort Simpson	2658'	-1076'						
Slave Point	3782'	-2200'						
Watt Mountain?	4030'	-2448'						
Sulphur Point	4057'	-2475'						
Presqu'île	4240'	-2638'						
Quarssite	4761'	-3179'						
Dolomite	4810'	-3228'						
Quartrite	4855'	-3273'						

LOG RECORD			
Run No.	Type of Log	From	To
1	Dual Induction Laterolog	1145	4961'
1	EMC Sonic Gamma Ray log with Caliper	300	4961'
1	Formation Density log with Caliper	1145	4964'

SERVICING RECORD (Logging, Fracking, etc.)

PERFORATING RECORD (Bullet, etc.)

CEMENTING RECORD (Plug, Squeeze, etc.)

Date	From	To	Remarks	Date	From	To	Remarks	Date	From	To	Remarks
Jan. 7/68	4500	4100'	210 sacks cement. Dis- placed with 18 bbls. mud. Polt at 4070'. P.D. 2 P. M.								
Jan. 8/68	1200	1100'	65 sacks cement + 2% CaCl ₂ . Displaced with 13 bbls. mud. Polt at 1082'. P.D. at 3:13 A.M.								

A 5-sack cement plug was run, surface casing was cut off 4' below ground level, a steel plate welded over cut-off casing and a name plate on metal stake installed.

DRILL STEM TESTS

No.	Date	Formation	From	To	V.O. Mins.	L.A.L. Mins.	F.S.L. Mins.	I.S.I.D.H.P.	F.S.I.D.H.P.	L.F.R.H.P.	F.F.R.H.P.	L.R.P.	F.H.P.	REMARKS
1	Jan. 6	Pressure 133	4190	4400	60	30	60	1559	1559	334	1487	1974	1931	Sec. 370' drilling mud, 2820' salt water.
2	Jan. 7	Slave Point	3790	4100	60	30	60	139	36	14	14	1801	1802	Sec. 10' salty brown water.

Pressures as reported are Field Pressures. For
of line-corrected pressures, please see charts.

ANALYSIS

Lab. No.	Sample	From	To	Source	Remarks

PRESENT STATUS OF WELL

Oil	(Interest)
Gas	(Interest)
Dry	NA
Susp.	

Company **Pose Petroleum Limited**

Signed by *W. H. H. H. H.*

Title **Production Engineer**

Date **February 1/68**

Forms to be prepared in duplicate and forwarded to the (4)
Conservation Engineer, Calgary, Alberta.



File No.
Drilling Authority No. 280.

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
RESOURCE MANAGEMENT DIVISION

Application to Abandon a Well or Suspend Drilling

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

Name and number of well **DEER PAN AR ALAR COP CHILINDA C-77.**
Location: Unit **C** Section **77** Grid **90°10' 122°00'**
Latitude **65°56'12"** Longitude **122°14'19"**
From Established Reference Marker **Atlantic Survey.**
Universal Well Location Reference **50.10333° N. Lat. 122.24138° W. Long.**
Permit No. **2713.** Lease No. **N/A**

Date of commencement of proposed program

January 7, 1968.

OIL, GAS, AND WATER ENCOUNTERED (Depths)

Oil at **N/A**
Gas at **N/A**
Water at **3790' - 4100' & 4190' - 4400' (from D.S.T. 1. & 2.).**
Total Depth **4550' - 4966'** Date of last operations **January 8, 1968.**
Present condition of well **Dry & Abandoned.**

CASING RECORD

Casing Size O.D. Inches	Weight	Amount	Set At	Seals of Cement and Additives	Remarks
1. 13-3/8"	34.3	10 lbs	300'	310 + 21 CaCl₂	
2. 9-5/8"	16	36 lbs	1145'	425 + 21 CaCl₂ + 4 sacks — Gel Flizer.	
3.					
4.					
5.					

PROPOSED ABANDONMENT PROGRAM

No.	From Footage	Geological Formation	Number of Barrels of Cement	Remarks
1.	4500' - 4100'	FRONTIER SHALES Sulphur Point	210	Displaced with 38 bbls mud. Felt at 4075'. Plug Down 2 PM, Jan. 7/68.
2.	1200' - 1100'	Ketchikan	65 + 21 CaCl₂	Displaced with 13 bbls mud. Felt at 1082'. Plug Down 3:15 AM, Jan. 9/68.

The following logs have been run: **Seal Integrity Logging; Corehole Compensated; Log v/Caliper; Formation Density Log.**
Other operations proposed.

Operations to be carried out by **Geo-Tec Drill & Explor.** Contractor Licence No. **1824.**
Address **220 7th St. S., Calgary, Alberta.** Address
Responsible Agent in field **Calgary, Alberta** this **1/6** Day of **February**, 19 **68.**
Signed by **Production Engineer.** Company **DEER PAN AR ALAR LIMITED.**
Title **Operator's Exploratory Licence No. 1068.**

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. P. J. Jones on the
8th of January 1968.

Dated **6th February**, 19 **68** **P. J. Jones**
Oil Conservation Engineer

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



DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
RESOURCE MANAGEMENT DIVISION

Application to Change a Well Name

Application is made hereby to change the name of the well, recorded in the Well-names Register as—

None Run in C-77
(Old name)

None Run in C-77
(Proposed new name)

Well Location

Location: Unit C Section 77 Grid 60° 10' 122° 03'
Latitude 60° 06' 12" Longitude 122° 14' 29"

From Established Reference Marker

Universal Well Location Reference 60.10333° N. lat. 122.24139° W. Long.

Reason for Changing Well Name

Participation by an Additional Company

Dated at Calgary this 6th day of December 19 67

Signed by [Signature] V. P. Pittamuthu

Title Leaseholder

Company BOG PETROLEUM LIMITED

(For Resource Management Division use only)

APPROVED

This application has been examined and approved:

Date 5th December, 19 67

[Signature]
Oil Conservation Engineer

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

Drilling Authority No. 250

Project No. 2-11-4-6/1-2

File No.



DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
RESOURCE MANAGEMENT DIVISION

Application for a Drilling Authority

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

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

Name and number of well: **DEEP TIE IN GAS COLLIER C-17.**
 Location: Unit **0** Section **77.** Grid **60° 30' - 121° 00'.**
 Latitude **60° 06' 32"** Longitude **121° 14' 29".**
 From Established Reference Marker **Colonia Survey.**
 Universal Well Location Reference **60.1033° N. Lat. 121.2413° W. Long.**
 Elevation: Ground **1340'** K.B. **1342'** feet above sea-level.
 Well is expected to produce from **Slave Point.** formation at a depth
 of about **4500** feet. Expected total final depth **4500'**
 Area assigned to well

(See (1) Conservation Engineer's use only)

Permit No. **Green Oil & Gas Permit 3723.** Lease No. **1/4** Acreage **63.824.**
 Permittee, licensor, or lessor **Esso Petroleum Limited; Pan American Petroleum Corporation; Canada Southern Petroleum Limited.**
 Exploratory Licence No. **3333, 1048**
 Surface owned by Crown or **Crown - In Disposition.**
 Petroleum and natural gas rights owned by **Crown - In Disposition.**
 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	How to Be Used	Estimated Depth	Section of Cement
1. 13-3/8"	54.50	J-55	Run	300	To surface.
2. 9-5/8"	36.00	J-55	Run	1200	500 yards
3. 7"	20.00	J-55	Run	4500	300 yards.
4.					
5.					

Expected water, gas, and oil horizons and type of control equipment **Slave Point - Controlled**
 and weight of 9.2 lbs/gal. during drilling.
 Hydraulic Hydril with accumulator. **Remote & automatic control.**
 Hydraulic Shifter double gate valve. **Remote & automatic control.**
 Well will be drilled with Rotary Rig No. **6** by **Geo-Tec Drilling & Exploration Ltd.**
 (Drilling Contractor or company)

Responsible agent of applicant:--

Contractor's business Licence No. **18224**

At well **G.A. Wright,**
 Address **Fort Nelson, B.C.**

At registered office **E.R. Howell,**
 Address **700 - 7 Avenue S.W., Calgary, Alberta.**

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

Dated at **Calgary, Alberta,** this **15th** day of **November,** 19 **57.**

Signed by **E.R. Howell** Company **DEEP PETROLEUM LIMITED.**

Title **Drilling Supt.** Operator's Licence No. **3333, 1048**

(For Resource Management Division use only)

APPROVED

This application has been examined and approved subject to the following conditions:--
The Company will submit to this office, on Tuesday of each week,
the latest reports received by radio on the progress of the well.

Dated **1st December** 19 **57**

Oil Conservation Engineer

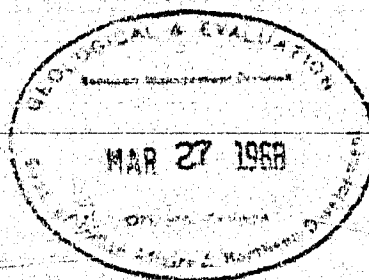
Forms to be submitted to Oil Conservation Engineer,
 Department of Indian Affairs and Northern Development, Calgary, Alberta.

GEOLOGICAL WELL REPORT

DOME PAN-AM ALMA CST CEELEETA C-77

Unit C, Sec. 77, Gr 15: N 60° 06' 12"
W 122° 01' 29"

NORTHWEST TERRITORIES



GEOLOGICAL WELL REPORT

DOMS PAN-AM ALMI CSP GELTETA C-77

Unit C, Sec. 27, Grid: N 60° 06' 12"
W 122° 11' 29"

NORTHWEST TERRITORIES

Prepared for

DOMS PETROLEUM LIMITED

WELLSITE GEOLOGIST

A. G. KONDI

Submitted by:

A. G. Kondi, P. Geol.

January 22, 1968

A. G. KONDI
PETROLEUM CONSULTANT

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GENERAL WELL DATA

WELL NAME: Dow-Pan-Am Almx CSP Celibeta C-77

LOCATION: Unit C, Sec. 77, *Lat.: N 60° 06' 12"*
Long. W 122° 16' 29"

ELEVATIONS: Ground: 1568'
 K.B.: 1581.5'

DRILLING CONTRACTOR: Can-Tex Drilling & Exploration Ltd. Rig #6
 Toolpusher: Jim Mickles

SPUD DATE: December 11, 1967 @ 2:00 P.M.

FINISHED DRILLING: January 4, 1968 @ 9:00 P.M.

RIG RELEASED: January 6, 1968 @ 12:00 P.M.

HOLE SIZES: 17-1/2" 0' - 300'
 12-1/4" 300' - 1145'
 8-3/4" 1145' - 4964'

TOTAL DEPTH: Driller: 4964'
 Schlumberger: 4965'

SURFACE CASING: 10 Jts., 13-3/8", 54.5#, J-S Casing.
 Landed at 300'. Cemented with 310 sacks
 construction cement + 2% CaCl₂.

INTERMEDIATE CASING: 36 Jts., 9-5/8", 36#, J-55, STOC, Rgs. 2
 and 3, Mannesmann casing.
 Landed at 1145' K.B. Cemented with 425 sacks
 construction cement + 2% CaCl₂ + 4 sacks
 Gullflake.
~~Run~~ down @ 2:20 A.M., December 20, 1967

CEMENTING SERVICES: Halliburton Oil Well Cementing Company Ltd.

MUD SUPPLIES: International Drilling Fluids³

CORING SERVICE: None taken.

DRILL STEM TESTING: T. G. Eastland Testers Ltd.

LOGGING: Schlumberger of Canada
 Dual Induction-Laterlog
 Borehole Compensated Sonic-Gamma Ray Log
 with Caliper
 Formation Density Log with Caliper

STATUS: Dry and abandoned.

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

Operator: Dome Petroleum Limited

Permit: Crown Oil & Gas Permit 2713

Drilling Authority: 280 issued 1st December 1967

Classification: Exploratory

Universal Well Location Reference - Lat. 68.1033° N., Long. 122.24135° W.

Unique Well Identifier: 0000776010123000

DAILY CHRONOLOGICAL WELL REPORT

(Reported as at 8:00 a.m. each day)

<u>Date</u>	<u>Depth</u>	<u>Progress</u>	<u>Days</u>	<u>Remarks</u>
Dec. 15	300	300	1	RRRT. Spudded in at 2:00 p.m., Dec. 14, 1967 with 17-1/2" bit #1. Drilled 0" - 300". Conditioning hole at 8:00 a.m. to run casing Mud Check: Visc. 135 Additives: Gel - 105 sacks Sawdust - 35 sacks Lime - 50 lbs. Surveys: 200 - 1/16° 192 - 1/16° 275 - 1°
Dec. 16	300	0	2	Ran 10 Jts., 13-3/8", 54.50 lbs. J-55, JAP Casing. Landed at 300'. E.B. Cemented with 310 sacks construction cement + 2% CaCl₂. Plug down at 5:35 p.m., Dec. 15th. Good cement returns. Ran one Davies Float Collar, 1 Baker Guide Shoe, 1 Centralizer. Waiting on cement at 8:00 a.m.
Dec. 17	458	158	3	Run in 12-1/4" bit, drilled out float collar. Drilled 300' to 458' with 8-3/4" bit #1. Drilling at 8:00 a.m. Mud Check: Visc. 28 Additives: Gel - 15 sacks Benex - 10 lbs.
Dec. 18	812	354	4	Drilled 458' to 790' with 8-3/4" bit #1. Well blew in, bleeding off to flare pit with flame. Kill well. Drilled 790' to 812'. Lost circulation. Mixing mud at 8:00 a.m. Additives: Gel - 279 sacks Fiberseal - 109 sacks Sawdust - 205 sacks Benex - 26 lbs. No Stick - 6 gals. Caustic - 700 lbs. Survey: 714° - 1°

3.

DAILY CHRONOLOGICAL WELL REPORT (Continued)

<u>Date</u>	<u>Depth</u>	<u>Progress</u>	<u>Days</u>	<u>Remarks</u>
Dec. 19	904	92	5	Tripped for bit #2, 12-1/4". Reamed 8-3/4" hole to 12-1/4" from 300' to 812'. Drilled 812' to 904'. Drilling at 8:00 a.m. Additives: Gel - 56 sacks Sawdust - 40 sacks Fibersal - 8 sacks Mud Check: Wt. 8.9; Visc. 54
Dec. 20	1117	213	6	Drilled 904 to 1117. Circulating at 8:00 a.m. Mud Check: Wt. 9.1; Viscosity 69 Additives: Gel - 41 sacks Sawdust - 40 sacks Caustic - 200 lbs. Survey: 1100' - 2°
Dec. 21	1145	25	7	Drilled 1117' to 1145'. Ran 36 Jts., 9-5/8", 36#, J-55, STQC, Rgs. 2 + 3, Mannesmann Casing. Used 425 sacks, Construction cement + 2% CaCl₂, + 4 sacks GelFlake. Plug down at 2:20 a.m., Dec. 21st. Waiting on cement at 8:00 a.m.
Dec. 22	1145	-	8	Waiting on cement at 8:00 a.m.
Dec. 23	1461	316	9	Ran in with bit #3, 8-3/4". Drilled 1145' to 1461'. Drilling at 8:00 a.m. Mud Check: Wt. 8.3; Vis. 35 WL 10.4; PH 8.0 Additives: Gel - 80 sacks Bicarbonate - 200 lbs. Benex - 54 lbs. No Stick - 10 gals. Diesel fuel - 160 gals. Surveys: 1250 - 1-1/2° 1420 - 1°
Dec. 24	1943	482	10	Drilled 1461' to 1943' with bit #3. Drilling at 8:00 a.m. Mud Check: Wt. 8.9; Vis. 43; WL 10; PH 6 Additives: Gel - 53 sacks

DAILY CHRONOLOGICAL WELL REPORT (Continued)

<u>Date</u>	<u>Depth</u>	<u>Progress</u>	<u>Days</u>	<u>Remarks</u>
				Additives: (Continued) Benex - 34 lbs. CMC - 100 lbs. No Stick - 4 gals. Diesel Fuel - 50 gals. WL 100 - 150 lbs. Surveys: 1580' - 20 1930' - 10
Dec. 25	2406	453	11	Drilled 1943' to 2406'. Tripped for bit #4. Drilling at 8:00 a.m. Mud Check: Wt. 8.9; Vis. 40; WL 7.0; PH 8 Additives: Gel - 40 sacks CMC - 150 lbs. Benex - 22 lbs. Diesel fuel - 50 gals. No Stick - 15 gals. WL 100 - 50 lbs. Survey: 2270' - 10
Dec. 26	2621	215	12	Drilled 2406' to 2508' with bit #4. Tripped. Drilled 2508' to 2621' with bit #5. Drilling at 8:00 a.m. Mud Check: Wt. 8.9; Vis. 40 WL 7.0; PH 8 Additives: Gel - 35 sacks CMC - 100 lbs. Benex - 20 lbs. No Stick - 12 gals. WL 100 - 25 lbs. Diesel fuel - 5 gals. Survey: 2410' - 10
Dec. 27	3020	399	13	Drilled 2621 to 2668. Tripped for bit #6. Drilled 2668' to 3020'. Drilling at 8:00 a.m. Mud Check: Wt. 8.9; Vis. 54; WL 8 ; PH 8 Additives: Gel - 10 sacks Hi Vis CMC - 50 lbs. Benex - 20 lbs. No Stick - 3 gals. WL 100 - 25 lbs. Diesel fuel - 10 gals. Surveys: 2668' - 1-1/80 2914' - 3/40

DAILY CHRONOLOGICAL WELL REPORT (Continued)

<u>Date</u>	<u>Depth</u>	<u>Progress</u>	<u>Days</u>	<u>Remarks</u>
Dec. 28	3418	398	14	Drilled 3020' to 3300' with bit #6. Tripped. Drilled 3300' to 3408' with bit #7. Drilling at 8:00 a.m. Mud Check: Wt. 9.1; Visc. 55; WL 6 ; PH 8. Additives: Gel - 65 sacks Benex - 28 lbs. No Stick - 2 gals. Diesel fuel - 30 gals. Hi Vis CMC - 50 lbs. WL 100 - 50 lbs. Survey: 3208' - 2°
Dec. 29	3771	353	15	Drilled 3418' to 3771'. Drilling at 8:00 a.m. Mud Check: Wt. 9.1; Visc. 67; WL 5.8; PH 8. Additives: Gel - 50 sacks Hi Vis CMC - 100 lbs. Benex - 34 lbs. No Stick - 3 gals. WL 100 - 125 lbs. CMC - 25# Diesel Fuel - 50 gals. Survey: 3709 - 2-1/4°
Dec. 30	3879	108	16	Drilled 3771' to 3778' with bit #7. Tripped. Drilled 3778' to 3879' with bit #8. Drilling at 8:00 a.m. Mud Check: Wt. 9.0; Visc. 70; WL 60 ; PH 7.0. Additives: Gel - 60 sacks Benex - 16 lbs. No Stick - 1 gal. CMC - 25# WL 100 - 25 lbs. Survey: 3870 - 1 1/2°
Dec. 31	4055	176	17	Ran bit #9. Drilled 3879 to 4055'. Drilling at 8:00 a.m. Mud Check: Wt. 9.0; Visc. 75; WL 5.6; PH 8.0. Additives: Gel - 40 sacks Benex - 17 lbs. No Stick - 1 gal. WL 100 - 50 lbs.

DAILY CHRONOLOGICAL WELL REPORT (Continued)

Date	Depth	Progress	Days	Remarks
Jan. 1	4248	198	18	Drilled 4055' to 4083' with bit #9. Tripped. Drilled 4083' to 4248' with bit #10. Drilling at 8:00 a.m. Mud Check: Wt. 9.0; Visc. 97; WL 5.3; PH 8. Additives: Gel - 45 Benex - 22 WL 100 - 150 lbs. No stick - 2 gal. H1 Vis CMC - 50 lbs.
Jan. 2	4528	280	19	Drilled 4248' to 4528'. Drilling at 8:00 a.m. Mud Check: Wt. 9.0; Visc. 65; WL 5.2; PH 8 Additives: Benex - 22# No Stick - 2 gal. Gel - 24 sacks WL 100 - 50 lbs. Survey: 4510' - 2-1/4°
Jan. 3	4748	220	20	Drilled 4528' to 4740'. Tripped for bit #11. Drilled 4740' to 4748'. Drilling at 8:00 a.m. Mud Check: Wt. 9.0; Visc. 75; WL 5.6; PH 7 Additives: Gel - 25 sacks No Stick - 1 gal. Benex - 18 lbs. Diesel fuel - 20 gals WL 100 - 50 lbs. Survey: 4740 - 3/4°
Jan. 4	4912	164	21	Drilled 4748' to 4912'. Drilling at 8:00 a.m. Mud Check: Wt. 9.0; Visc. 113; WL 5.2; PH 8 Additives: Gel - 10 sacks Benex - 18 lbs. No Stick - 1 gal WL 100 - 50 lbs.
Jan. 5	4964 F.T.D.	52	22	Drilled 4912 to 4964 with bit #11. Running Logs at 8:00 a.m. Mud Check: Wt. 9.1; Visc. 180; WL 5.8; PH 8. Survey: 4964' - 1-1/4°

DAILY CHRONOLOGICAL WELL REPORT (Continued)

<u>Date</u>	<u>Depth</u>	<u>Progress</u>	<u>Days</u>	<u>Remarks</u>
Jan. 6	4964 F.T.D.	-0-	23	Ran Schlumberger Logs Borehole Compensated Sonic Log with Caliper. Dual Induction Laterlog and Formation Density Log. Ran DST #1. Preparing to run DST #2 at 8:00 a.m.
Jan. 7	4964 F.T.D.	-0-		Ran DST #2. Preparing to run abandonment plugs at 8:00 a.m.
Jan. 8	4964 F.T.D.	-0-		Ran Plug #1, Ran Plug #2. Felt Plug #2. Rig Released at 12:00 p.m., January 8, 1968

GEOLOGICAL MARKERS

Ground Elevation: 1568'
K.B. Elevation: 1581.5'

<u>Formation</u>	<u>Depth</u>	<u>Elevation</u>
<u>Mississippian</u>		
Exshaw	325	+ 1037
<u>Devonian (Upper)</u>		
Kotcho	345	+ 1037
Tetcho	1473	+ 109
Trout River	1730	- 148
Red Knife	1980	- 398
Jean-Marie	2422	- 840
Fort Simpson	2658	- 1076
<u>Devonian (Middle)</u>		
Slave Point	3782	- 2200
Watt Mountain ?	4030	- 2448
Sulphur Point	4057	- 2475
Presqu'île	4240	- 2658
<u>Silurian - Ordovician ?</u>		
Quartzite	4761	- 3179
Dolomite	4810	- 3228
Quartzite	4855	- 3273
<u>Final Total Depth</u>	4965	- 3383

SAMPLE DESCRIPTION

Note: Samples lagged at 1 min. per 100'
 Sample descriptions adjusted to log depths

300' - 420'	SHALE:	light-gray, slightly calcareous, laminated in part with trace buff-white crystalline CALCITE; platy
420' - 450'	SHALE:	medium to dark gray, laminated to fissile with 10-20% SHALE; light grey, locally calcareous.
450' - 470'	SHALE:	dark grey to black, laminated, blocky trace pyrite.
470' - 510'	SHALE:	dark grey to black, laminated, platy, pyritic.
510' - 540'	SHALE:	black to brown black, platy with trace shaley dolomite beds, pyritic, pyro-bituminous ?

Top of EXSHAW 525 / + 1057

540' - 545'	SHALE:	as above laminated with thin bands of dolomite, buff, crystalline; calcite, appears bituminous.
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Top of KOTCHO 545 / + 1037

545' - 560'	SHALE:	black to brownish black, laminated with dolomite, bituminous, with trace LIMESTONE; grey, crystalline and SHALE; grey slightly calcareous with pyrite cubes.
560' - 570'	LIMESTONE:	grey, crystalline, argillaceous to shaley, with pyrite cubes, locally grading to SHALE; limey with pyrite.
570' - 620'	SHALE:	grey, blocky, calcareous to limey with pyrite, with thin bands of limestone, grey crystalline.
620' - 690'	SHALE:	grey, blocky to platy, trace calcareous with thin LIMESTONE; grey, shaley bands, trace crinoid fragments.

SAMPLE DESCRIPTION (Continued)

690' - 720'	LIMESTONE:	grey to buff-grey, crystalline dense, slightly argillaceous with scattered pyrite cubes. Veinlets of calcite throughout. Trace fossiliferous.
720' - 790'	LIMESTONE:	grey, crystalline, dense to microgranular, argillaceous abundant translucent calcite crystals, indicating fractures. <u>Dead oil staining</u> on calcite crystals, fossiliferous, pyritic.
790' - 810'	No Samples	Lost Circulation
810' - 850'	LIMESTONE:	grey, cryptocrystalline dense to cryptocrystalline, argillaceous with thin shaley bands, trace calcite, fossil fragments, pyritic, dense
850' - 890'	LIMESTONE:	grey to medium grey, microcrystalline, argillaceous to shaley with LIMESTONE as above.
890' - 910'	LIMESTONE:	grey, argillaceous to shaley, crystalline fragmental to crystalline dense with LIMESTONE as above, fossiliferous, pyritic.
910' - 930'	LIMESTONE:	grey, crystalline to cryptocrystalline, with bands of very SHALEY grading to SHALE; grey, calcareous to limey.
930' - 960'	SHALE:	grey, limey grading to LIMESTONE; grey crystalline dense, may be interbedded.
960' - 1110'	SHALE:	dark grey, limey with LIMESTONE; grey, cryptocrystalline, dense.
1110' - 1140'	SHALE:	dark grey, limey grading to and interbedded with LIMESTONE; grey, shaley, crystalline dense. Trace Crinoids. Trace pyrite.
1140' - 1170'	SHALE:	dark grey, limey, platy, with trace LIMESTONE, grey, shaley, cryptocrystalline.
1170' - 1430'	SHALE:	dark grey, limey, platy, fissile. Trace calcite crystals.
1430' - 1440'	LIMESTONE:	buff, cryptocrystalline to sub lithographic with SHALE; as above.
1440' - 1460'	SHALE:	dark grey, limey, with LIMESTONE; grey, cryptocrystalline, shaley.

SAMPLE DESCRIPTION (Continued)Top of TETCHO 1473 / + 109

- 1460' - 1490' LIMESTONE: buff to grey-buff, cryptocrystalline, slightly argillaceous with oolites, trace pyrite, calcite crystals.
- 1490' - 1660' LIMESTONE: as above with LIMESTONE; buff-white, microcrystalline to marly and LIMESTONE; light brown, crystalline granular; dense.
- 1660' - 1680' SHALE: dark grey, splintery, slightly calcareous. Trace LIMESTONE; as above.
- 1680' - 1700' SHALE: dark grey, splintery, slightly calcareous with interbedded LIMESTONE; buff to grey white, cryptocrystalline to microcrystalline. Dense.
- 1700' - 1730' SHALE: Medium to dark grey, splintery, slightly calcareous in part. Trace LIMESTONE; as above.

Top of TROUT RIVER 1730 / -146

- 1730' - 1780' SHALE: as above, slightly silty with LIMESTONE; buff to grey, cryptocrystalline, dense (Cavings ?)
- 1780' - 1840' SHALE: medium to dark grey, splintery, slightly calcareous with thin interbedded SILTSTONE; grey to buff, slightly calcareous in part.
- 1840' - 1850' LIMESTONE: grey buff, microfragmental to crystalline fragmental, dense with SHALE and SILTSTONE; as above.
- 1850' - 1890' SHALE: medium grey silty grading to SILTSTONE; shaley, grey, slightly calcareous. Trace LIMESTONE; as above.
- 1890' - 1910' SHALE: medium to dark grey, blocky to splintery trace SILTSTONE; medium grey, shaley.
- 1910' - 1940' SHALE: as above with trace calcite crystals and pyrite, LIMESTONE; buff brown to grey, cryptocrystalline, dense, silty.

SAMPLE DESCRIPTION (Continued)

- 1940' - 1960' SHALE: medium to dark grey, platy and blocky, slightly silty in part, slightly calcareous in part.
- 1960' - 1980' LIMESTONE: buff-grey to brown, fragmental, crystalline, dense and cemented, slightly argillaceous, pyritic, trace calcite, SHALE; as above.

Top of RED KNIFE 1980 / - 398

- 1980' - 2010' SHALE: medium to dark grey, silty in part with interbedded Limestones, as above.
- 2010' - 2030' SHALE: light to medium grey, platy and splintery.
- 2030' - 2100' SHALE: grey-brown, and light, greenish-grey, platy.
- 2100' - 2150' SHALE: grey-brown, platy to blocky with interbedded medium greenish-grey SHALE; platy to splintery.
- 2150' - 2220' SHALE: interbedded grey-brown and medium to dark grey; trace Crinoids, platy.
- 2220' - 2290' SHALE: medium to dark grey, platy, with minor grey-brown SHALE.
- 2290' - 2300' SHALE: medium to dark grey; trace SILTSTONE; grey to greenish-grey, slightly calcareous in part.
- 2300' - 2330' SHALE: dark grey to black, platy to blocky, trace SILTSTONE.
- 2330' - 2395' SHALE: as above with trace LIMESTONE; grey, crystalline, silty, fragmental.
- 2395' - 2420' LIMESTONE: buff to grey-white, crystalline to fossil fragmental, trace fossiliferous calcite cemented dense with chalky LIMESTONE; calcite.

Top of JEAN-MARIE 2422 / - 840

- 2420' - 2490' LIMESTONE: brown, microcrystalline to crystalline fragmental, dense, pyritic with (Cont.)

SAMPLE DESCRIPTION (Continued)

LIMESTONE; as above.

- 2490' - 2540' LIMESTONE: buff to buff white, crystalline fragmental, fossiliferous, microcrystalline fragmental, dense.
- 2540' - 2560' LIMESTONE: brown to buff white, crypto-crystalline to crystalline fragmental, cemented dense, trace pyrite; buff-white grading to chalky in part. dense.
- 2560' - 2580' LIMESTONE: as above with LIMESTONE; microcrystalline granular, poor to fair intergranular porosity, light to medium oil-stained.
- 2580' - 2640' LIMESTONE: brown to buff-white, crypto-crystalline to microcrystalline, fragmental, dense, grading to sub-lithographic in part.
- 2640' - 2660' LIMESTONE: grey to buff-grey, crypto-crystalline, dense, trace of pyrite.

Top of FORB? SIMPSON 2658 / - 1076

- 2660' - 2690' SHALE: light to medium grey, platy to blocky with trace LIMESTONE; brown, crypto-crystalline, dense.
- 2690' - 2720' SHALE: medium grey, blocky, silty.
- 2720' - 2820' SHALE: medium to dark grey, platy, fissile, blocky in part, trace pyrite.
- 2830' - 3730' SHALE: medium grey, blocky to platy.
- 3730' - 3760' SHALE: medium grey, blocky to platy with scattered pyrite cubes.
- 3760' - 3780' SHALE: as above, trace LIMESTONE; black, crypto-crystalline, dense, with pyrite.

Top of SLAVE POINT 3782 / - 2200

- 3780' - 3800' LIMESTONE: black to grey-brown, crypto-crystalline, dense, locally crystalline fragmental dense and tight. Trace calcite veinlets.
- 3800' - 3850' LIMESTONE: as above, grading to re-crystallized microfragmental, to sub-lithographic.

SAMPLE DESCRIPTION (Continued)

Bryozoa, Crinoids and LIMESTONE; buff-gray, microcrystalline, granular to chalky, dense.

- 3850' - 3860' LIMESTONE: buff-gray, microcrystalline to crystalline fragmental, dense with LIMESTONE; black, cryptocrystalline, fragmental, microfossiliiferous.
- 3860' - 3920' LIMESTONE: black to dark brown interbedded as above with buff-gray LIMESTONE.
- 3920' - 3930' LIMESTONE: black to black-brown, cryptocrystalline to sub-lithographic, trace fossiliferous pelletoidal, fragmental, interbedded.
- 3930' - 3970' LIMESTONE: as above, dark brown LIMESTONE grading to lithographic in part.
- 3970' - 4030' LIMESTONE: brown to dark brown, sub-lithographic to cryptocrystalline, dense with LIMESTONE; black-brown, cryptocrystalline, fragmental, trace algal pellet fossils.

Top of WATT MOUNTAIN 4030 / - 4248

- 4030' - 4060' LIMESTONE: as above with trace LIMESTONE; white to buff-white, micritic fragmental to chalky, with pyrobitumin infill ? and black shale.

Top of SULPHUR POINT 4077 / - 4275

- 4060' - 4120' LIMESTONE: as above. Trace SHALE; light greenish-gray, waxy, pyritic, trace quartz grains.
- 4120' - 4200' LIMESTONE: brown, sub-lithographic to lithographic with algal-pellet lumps, trace fossil fragments and calcite crystals with LIMESTONE; black-brown crystalline fragmental, cemented, dense. Trace calcite lined fractures.
- 4200' - 4240' LIMESTONE: brown, sub-lithographic to lithographic with trace pellets, calcite crystals, with minor dark brown fragmental LIMESTONE; cemented, brecciated ?

SAMPLE DESCRIPTION (Continued)

Bryozoa, Crinoids and LIMESTONE; buff-grey, microcrystalline, granular to chalky, dense.

- 3850' - 3860' LIMESTONE: buff-grey, microcrystalline to crystalline fragmental, dense with LIMESTONE; black, cryptocrystalline, fragmental, microfossiliferous.
- 3860' - 3920' LIMESTONE: black to dark brown interbedded as above with buff-grey LIMESTONE.
- 3920' - 3930' LIMESTONE: black to black-brown, cryptocrystalline to sub-lithographic, trace fossiliferous pelletal, fragmental, interbedded.
- 3930' - 3970' LIMESTONE: as above, dark brown LIMESTONE grading to lithographic in part.
- 3970' - 4030' LIMESTONE: brown to dark brown, sub-lithographic to cryptocrystalline, dense with LIMESTONE; black-brown, cryptocrystalline, fragmental, trace algal pellet fossils.

Top of WATT MOUNTAIN 4030 / - 2448

- 4030' - 4060' LIMESTONE: as above with trace LIMESTONE; white to buff-white, micritic fragmental to chalky, with pyrobitumin infill? and black shale.

Top of SULPHUR POINT 4057 / - 2475

- 4060' - 4120' LIMESTONE: as above. Trace SHALE; light greenish-grey, waxy, pyritic, trace quartz grains.
- 4120' - 4200' LIMESTONE: brown, sub-lithographic to lithographic with algal-pellet lumps, trace fossil fragments and calcite crystals with LIMESTONE; black-brown crystalline fragmental, cemented, dense. Trace calcite lined fractures.
- 4200' - 4240' LIMESTONE: brown, sub-lithographic to lithographic with trace pellets, calcite crystals, with minor dark brown fragmental LIMESTONE; cemented, brecciated?

SAMPLE DESCRIPTION (Continued)

 Top of PRESQU'ILE 4240 / - 2658

- 4240' - 4280' DOLOMITE: light to dark brown to white, crystalline, medium-grained, with scattered quartz grains and locally calcite crystals, ~~dense~~.
- 4280' - 4300' DOLOMITE: light brown to brown, white; crystalline locally well-developed rhombs with poor drusy vugs, isolated, non-effective. Scattered quartz grains; and calcite crystals ? trace pyrite.
- 4300' - 4340' DOLOMITE: as above with white to translucent quartz grains, trace pyrite.
- 4340' - 4430' DOLOMITE: light to dark brown, crystalline, trace white to translucent quartz grains.
- 4430' - 4490' DOLOMITE: brown to black brown, crystalline, coarse to medium-grained.
- 4490' - 4520' DOLOMITE: dark brown to black-brown, crystalline mainly, fine to medium-grained, with DOLOMITE as above. Trace calcite veining. Trace quartz and pyrite.
- 4520' - 4550' DOLOMITE: brown to dark brown; crystalline, medium to coarse-grained, abundant quartz grains.
- 4550' - 4710' DOLOMITE: brown to black-brown; crystalline fine to medium grained, with quartz grains and trace black, bituminous, shaley material, trace pyrite.
- 4710' - 4760' DOLOMITE: brown with some dark brown, crystalline fine to medium-grained with DOLOMITE; white to translucent rhombs; massive; with trace translucent quartz and pyrite cubes.

 Top of QUARTZITE 4761 / - 3179

- 4760' - 4770' QUARTZITE: buff-white to white; fine to medium-grained, sub-rounded to well-rounded quartz grains, in siliceous matrix.
- 4770' - 4780' QUARTZITE: as above with DOLOMITE, brown to dark

SAMPLE DESCRIPTION (Continued)

- brown crystalline as above.
- 4780' - 4790' QUARTZITE: as above with light-greenish medium-grey to light grey-brown SHALE.
- 4790' - 4800' SHALE: medium to dark grey to grey-brown, with QUARTZITE; white, cavings ?
- 4800' - 4810' SHALE: as above, with trace QUARTZITE; and DOLOMITE; white to buff, crystalline, rhombs, trace quartz grains.
- 4810' - 4830' DOLOMITE: white to buff-white, crystalline; massive with quartz crystals with SHALE; as above.
- 4830' - 4840' DOLOMITE: tan to light brown, crystalline, with translucent, well-rounded quartz grains calcite crystals. Dense and tight.
- 4840' - 4855' DOLOMITE: grey-white to buff-grey, with translucent well-rounded quartz grains.
- 4855' - 4930' QUARTZITE: white, fine to medium-grained, sub-rounded to well rounded translucent quartz grains, siliceous matrix interbedded with crystalline quartz.
- 4930' - 4965' QUARTZITE: buff-white, crystalline, trace of pyrite.

ELECTRICAL LOGGING DATA

LOGGING COMPANY: Schlumberger of Canada
 TRUCK NO. 3704 Dawson Creek
 LOGGING ENGINEER: D. Bigg
 DATE RUN: January 5, 1968
 : 3: One
 SFL LIS: Dual Induction-Laterolog

2" 1148' - 4961'

5" 2250' - 4961'

Repeat

5" 4750' - 4961'

Borehole Compensated Sonic-Gamma Ray Log
with Caliper

Sonic 2" 1148' - 4963'

5" 2250' - 4963'

Repeat 5" 4716' - 4963'

Gamma 2" 300' - 4963'

5" 4716' - 4963'

Formation Density Log with Caliper

2" 1148' - 4964'

5" 1148' - 4964'

DRILL STEM TESTSD.S.T. #1

Interval: 4190' - 4400'
 Test Times: P.F. 3 min.
 IS 30 min.; VO 60 min; PSI 60 min.
 Recovery: Good blow, steady throughout test.

370' Drilling Mud
 2820' Salt Water

Field Pressures:

IHP - 1974
 ISIP - 1559
 IFP - 334

FHP - 1931
 FSIP - 1559 Temp. 173°
 FFP - 1467

D.S.T. #2

Interval: 3790' - 4100'
 Test Times: P.F. 3 min.
 ISI 30 min.; VO 60 min; PSI 60 min.
 Recovery: Weak blow, died soon after tool open.
 10' Salty brown water

Field Pressures:

IHP - 1802
 ISIP - 139
 IFP - 14

FHP - 1802
 FSIP - 56 Temp. 160°
 FFP - 14

BIT RECORD

<u>Bit No.</u>	<u>Size</u>	<u>Make</u>	<u>Type</u>	<u>Serial</u>	<u>Depth Out</u>	<u>Footage</u>	<u>Hours</u>	<u>Cum. Hours</u>
1A	17-1/2	H-W	OSC-3 Cut Out	ML867	300	300	11-1/4	11-1/4
1	8-3/4	H-W	OSC-3	86972	812	512	10-1/4	21-1/2
2	12-1/4	H-W	OSC-3	44971RR	Ream 300-812	512	2-1/4	23-3/4
2	12-1/4	H-W	OSC-3	44971RR	1145	432	9	32-3/4
3	8-3/4	H-W	X-IG	92778	1971	826	27-3/4	60-1/2
4	8-3/4	H-W	XII	84220	2508	537	26-1/2	87
5	8-3/4	H-W	XV	90102	2668	160	17-1/4	104-1/2
6	8-3/4	H-W	XV	90101	3300	632	27-3/4	132-1/4
7	8-3/4	H-W	XV	91355	3778	478	30-1/4	162-1/2
8	8-3/4	H-W	OWU	71651	3879	101	16-1/4	178-3/4
9	8-3/4	H-W	X7	KX022	4083	204	25-3/4	204-1/2
10	8-3/4	H-W	X55R	91406	4740	657	56-1/2	261
11	8-3/4	H-W	X55R	92756	4964	224	36	297

DEVIATION SURVEYS

100	-	$1/16^\circ$	2668	-	$1-1/8^\circ$
192	-	$1/16^\circ$	2914	-	$3/4^\circ$
275	-	1°	3208	-	2°
714	-	1°	3460	-	$2-1/2^\circ$
1100	-	2°	3709	-	$2-1/4^\circ$
1250	-	$1-1/2^\circ$	3870	-	$1-1/2^\circ$
1420	-	1°	4070	-	$1-1/2^\circ$
1680	-	2°	4510	-	$2-1/4^\circ$
1930	-	1°	4740	-	$3/4^\circ$
2270	-	1°	4964	-	$1-1/4^\circ$
2410	-	1°			

ABANDONMENT REPORT

Plug No. 1 4500' - 4100' Used 210 sacks Construction Cement.
Displaced with 58 bbls. mud.

Felt @ 4070' Plug down at 2:00 P.M.

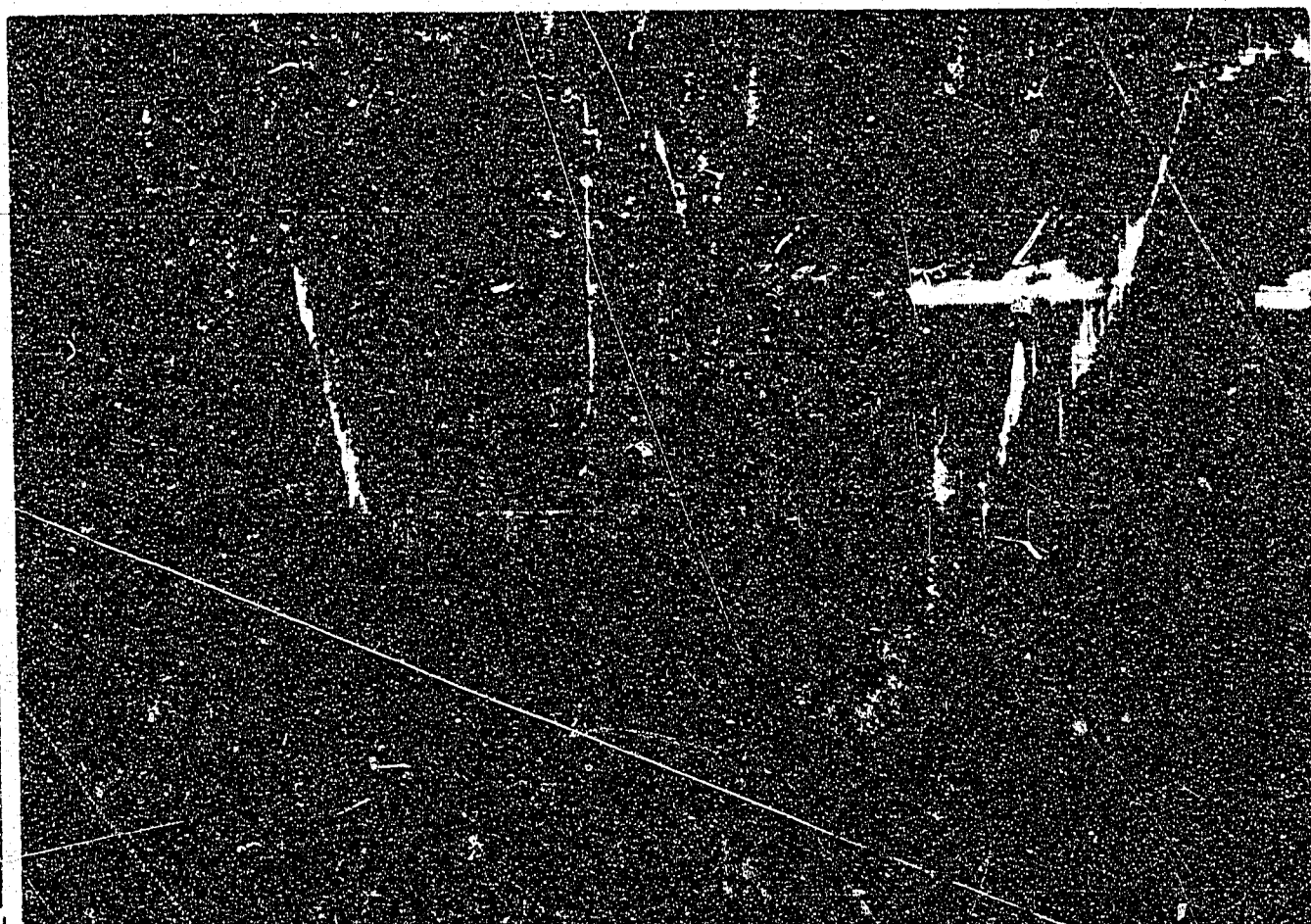
Plug No. 2 1250' - 1100' Used 65 sacks Construction Cement
+ 2% CaCl_2 .

Felt @ 1082' Displaced with 13 bbls. mud.

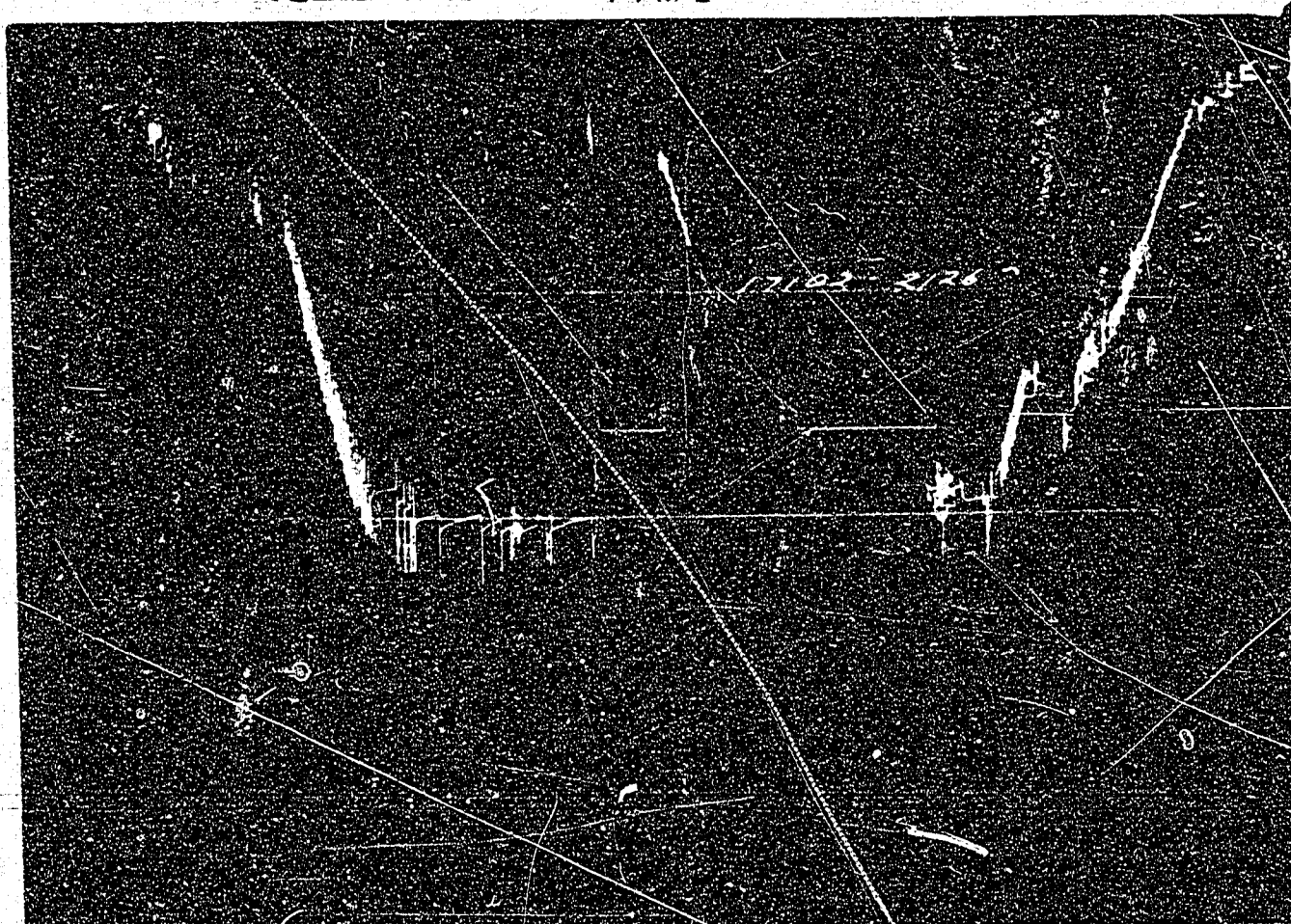
Plug down at 3:15 A.M.

A cement plug was run, surface casing cut off four feet below ground level, and a steel plate welded over cut-off casing. A cement plate cement slake has been installed.

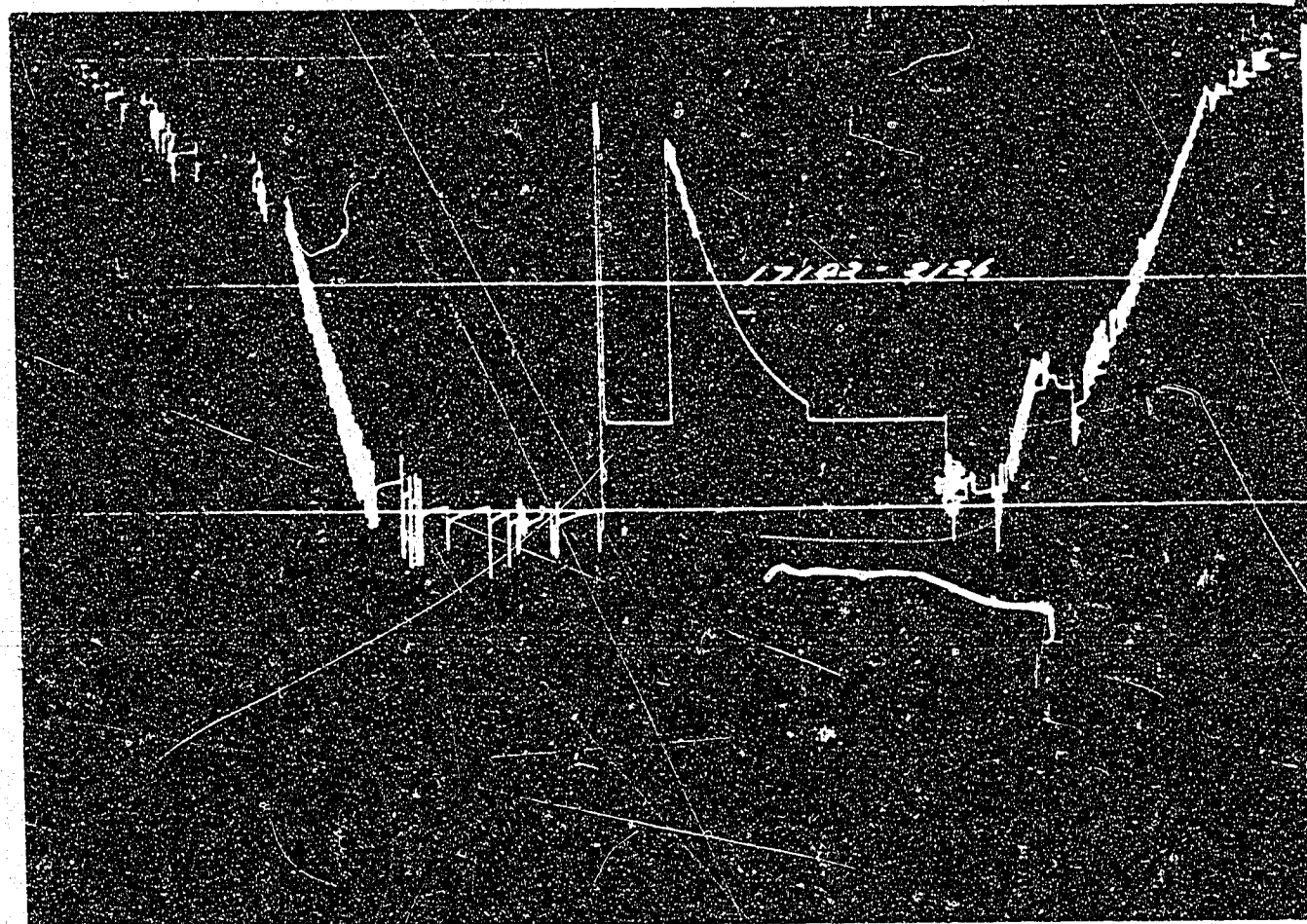
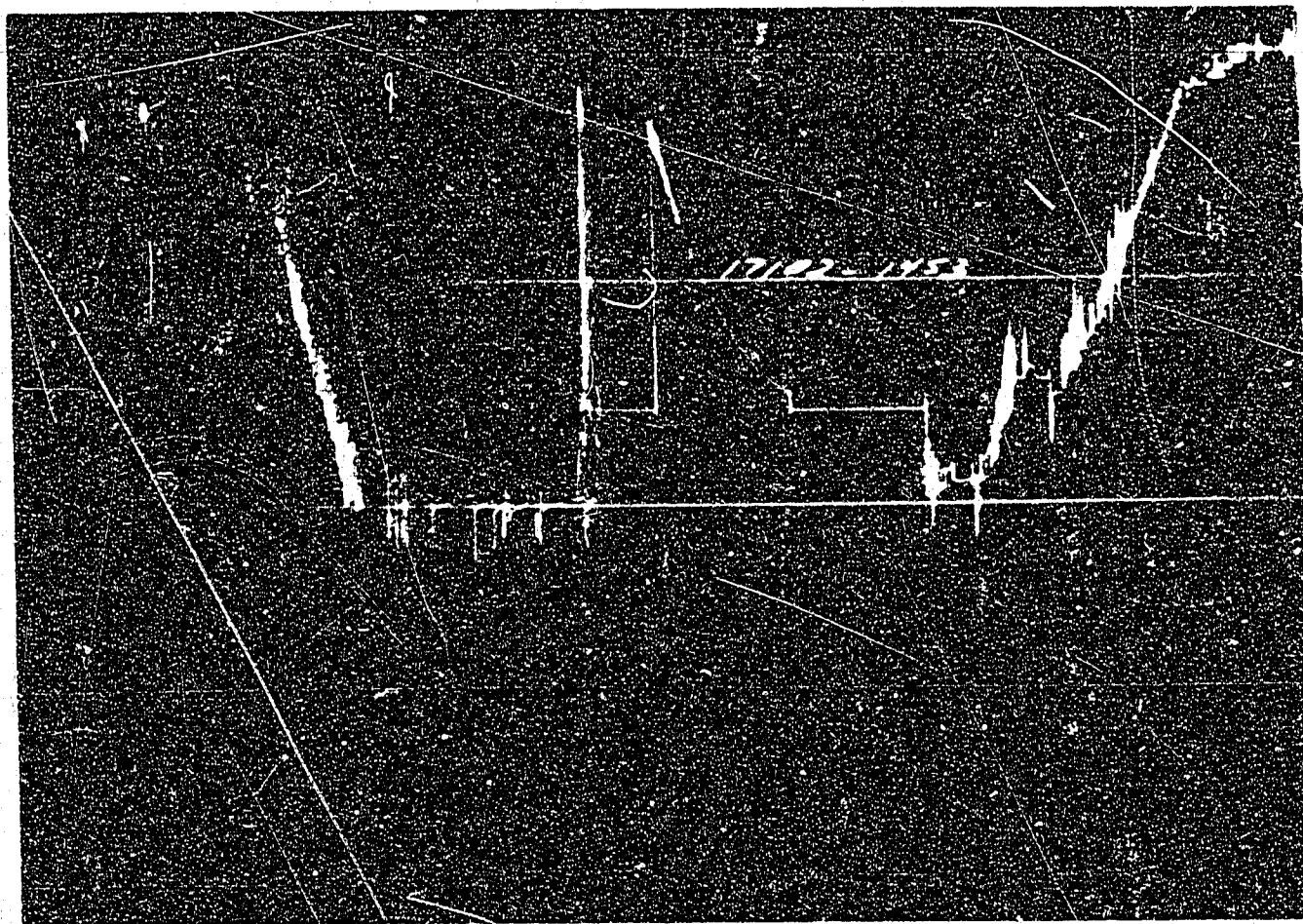
PRESSURE



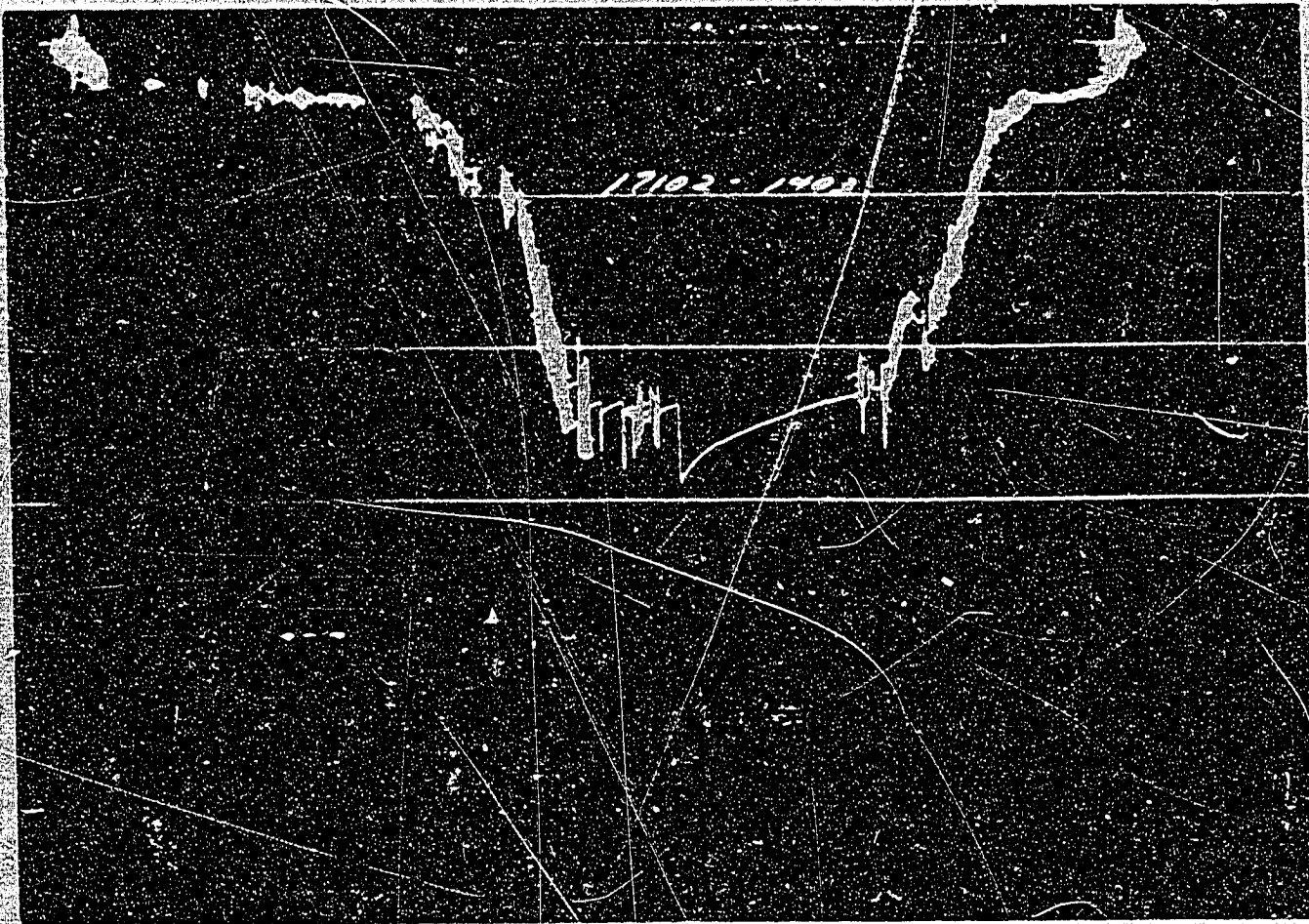
TIME



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



Each Horizontal Line Equal to 1000 feet



TEMPERATURE RECORD

Date and Locality

Temperature, etc.

Time

Wind

Humidity

Barometer

Clouds

Remarks

Observer

Station

Country

Latitude

Longitude

Altitude

Direction

Force

State

Time

Wind

Humidity

Barometer

Clouds

Remarks

Observer

Station

Country

Latitude

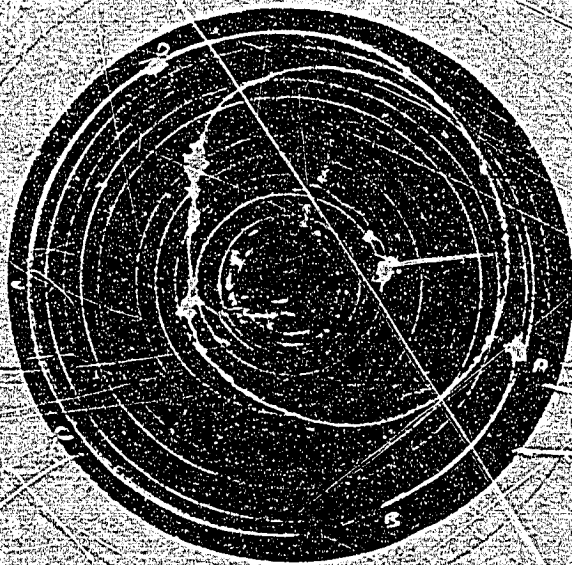
Longitude

Altitude

Direction

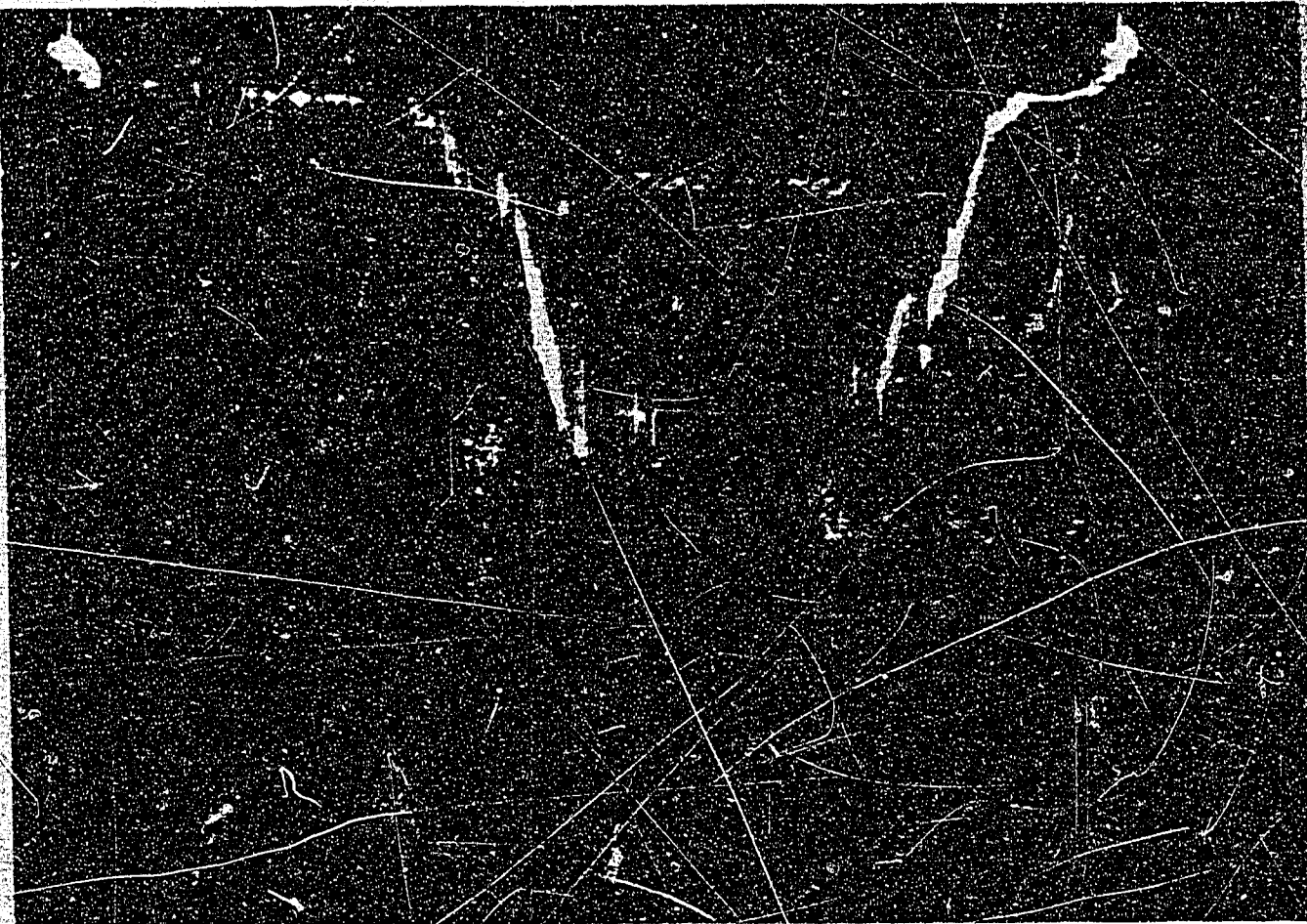
Force

State



3 Hr

HOW TO USE



TEMPERATURE RECORD

Each concentric line
equals 10°F.
Temperature increases
outwardly

Ticket No. T. 17104

Temperature Range °F

70 °F to 170 °F

A to B — Initial CIP

B to C — 2nd Flow

C to D — Final CIP

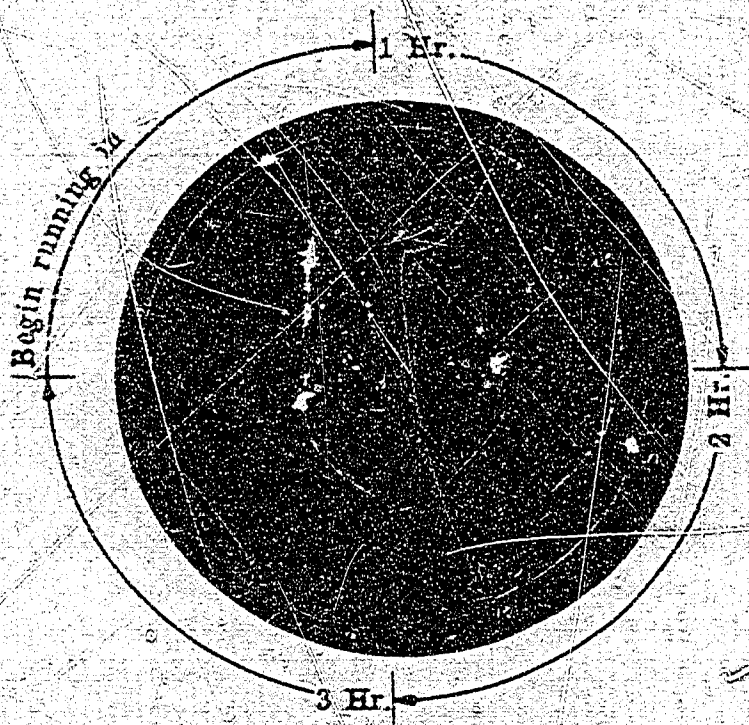
A 155 °F

B 160 °F

C 173 °F

D 170 °F

4172



HOWCO 521020

Depth Top Gauge	3164 ft	Blanked Off	No	Date	JANUARY 6, 1965	Yield No.	T17102
BT P.R.D. No.	1453	37 Hr. Clock		Kind of Job	Dial Straddle	HOWCO District	Fr. St. John
Pressure Readings	Field	Office Corrected		Tester	G. E. Seimstad	Witness	John Dye
Initial Hydro Mud Pressure	1074	1074		Contractor	Can-Tex Drilling and Exploration Ltd.		
Initial Closed in Pressure	1559	1559		K & Elevation	Top Packer Depth	Bottom Packer Depth	4190 4400
Initial Flow Pressure	314	301		Total Depth	4914	Casing Percutaneous Bottom	Top
Final Flow Pressure	1457	1514		Interval Tested	4190-4400	Formation Tested	Prequ'ile
Initial Closed in Pressure	1559	1559		Casing or Mud Size	3/4"	Liner or Reinforce Size	
Final Hydro Mud Pressure	1931	1934		Size Surface Choke	3/4	Size Bottom Choke	3/4
Depth Bottom Gauge	4925 ft	Blanked On	Yes	Size Drill Pipe	4 1/2" X 54	ID and Length Drill Collars	2 7/8" X 520'
BT P.R.D. No.	2125	12 Hr. Clock		Anchor I.D.	5"	Amount Type of Cushion	
Pressure Readings	Field	Office Corrected		Gauge Depth Temp.	173 °F	Mud Weight	9.2
Initial Hydro Mud Pressure		2013		All Depth Measured From	K.P.	No. Folders Reproduced	5
Initial Closed in Pressure		1628		Time Periods (Minutes):			
Initial Flow Pressure		409		Initial CIP	30	2nd Flow	50
Final Flow Pressure		1847		Recovered	370	Feet of Drilling mud.	
Final Closed in Pressure		1628		Recovered	2420	Feet of Salt water.	
Final Hydro Mud Pressure		1062		Recovered		Feet of	
Depth Bottom Gauge	4960 ft	Blanked Off	Yes	Oil Recovery Degrees API		Water Recovery Specific Gravity	1.085
BT P.R.D. No.	1403	24 Hr. Clock		REMARKS:	Fair initial blow. Fair steady air		
Pressure Readings	Field	Office Corrected			blow throughout.		
Initial Hydro Mud Pressure		2436					
Initial Closed in Pressure							
Initial Flow Pressure	Below	Straddle					
Final Flow Pressure							
Final Closed in Pressure							
Final Hydro Mud Pressure		2359					

ONE PRVD JAN 11 AM ALIC CELLUPTA C-27

122 14 23.00 W.L.

60 (6/11/2000) N.L.

FIELD OR AREA

CELLUPTA LAKE

PROVINCE NORTH WEST TERRITORIES

HOWCO 521012

DRILL STEM TEST DATA

Page 1

ST No. 1453 Depth 4100 12 Hr. Clock No. 2555 Temperature Corrected to 173

1st Flow Pressure			Initial CIP				2nd Flow Pressure			Final CIP			
Time Desc.	PSIG	Time Desc.	T-O	T-Q	PSIG	PSIG	Time Desc.	PSIG	Time Desc.	T-O	T-Q	PSIG	PSIG
P0	.000	160	.0000			313	.0000	361	.0000			1514	
P1	.006	212	.0005			1580	.0005	317	.0415			1591	
P2	.012	313	.0430			1585	.0510	715	.0830			1591	
P3			.0615			1585	.1125	830	.1345			1591	
P4			.0820			1585	.1620	1030	.1660			1591	
P5			.1025			1588	.2025	1157	.2075			1591	
P6			.1230			1589	.2430	1251	.2490			1591	
P7			.1435			1589	.2835	1347	.2905			1591	
P8			.1640			1589	.3240	1417	.3320			1591	
P9			.1845			1589	.3645	1471	.3735			1591	
P10			.2050			1589	.4050	1514	.4150			1591	

ST No. 2125 Depth 4225 12 Hr. Clock No. 3222 Temperature Corrected to 173

1st Flow Pressure			Initial CIP				2nd Flow Pressure			Final CIP			
Time Desc.	PSIG	Time Desc.	T-O	T-Q	PSIG	PSIG	Time Desc.	PSIG	Time Desc.	T-O	T-Q	PSIG	PSIG
P0	.000	225	.0000			370	.000	409	.000			1551	
P1	.006	283	.0205			1628	.041	565	.042			1628	
P2	.012	370	.0410			1628	.082	759	.084			1628	
P3			.0615			1628	.123	929	.126			1628	
P4			.0820			1628	.164	1065	.168			1628	
P5			.1025			1628	.205	1192	.210			1628	
P6			.1230			1628	.246	1299	.252			1628	
P7			.1435			1628	.287	1385	.292			1628	
P8			.1640			1628	.328	1456	.336			1628	
P9			.1845			1628	.369	1510	.378			1628	
P10			.2050			1628	.410	1551	.420			1628	

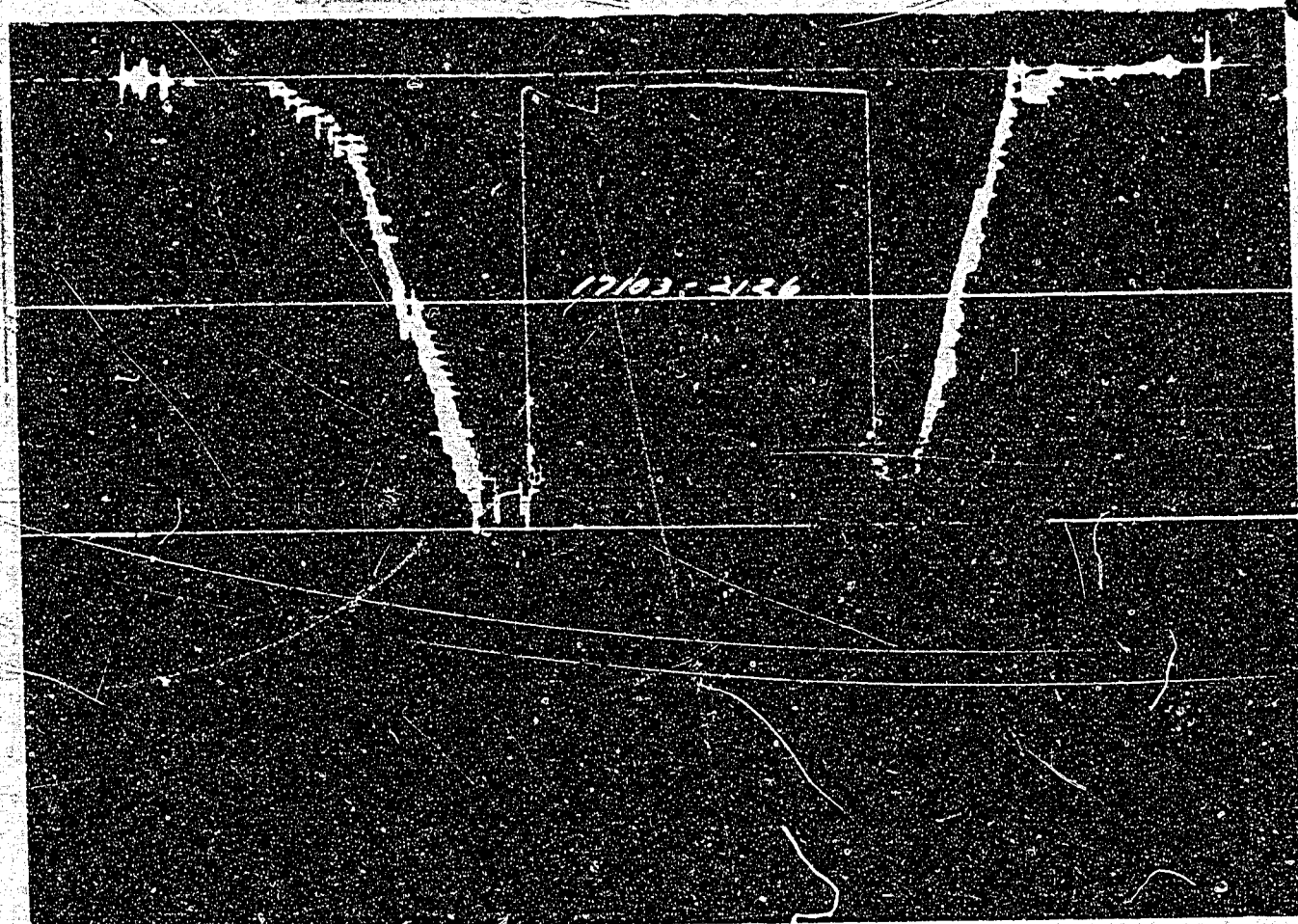
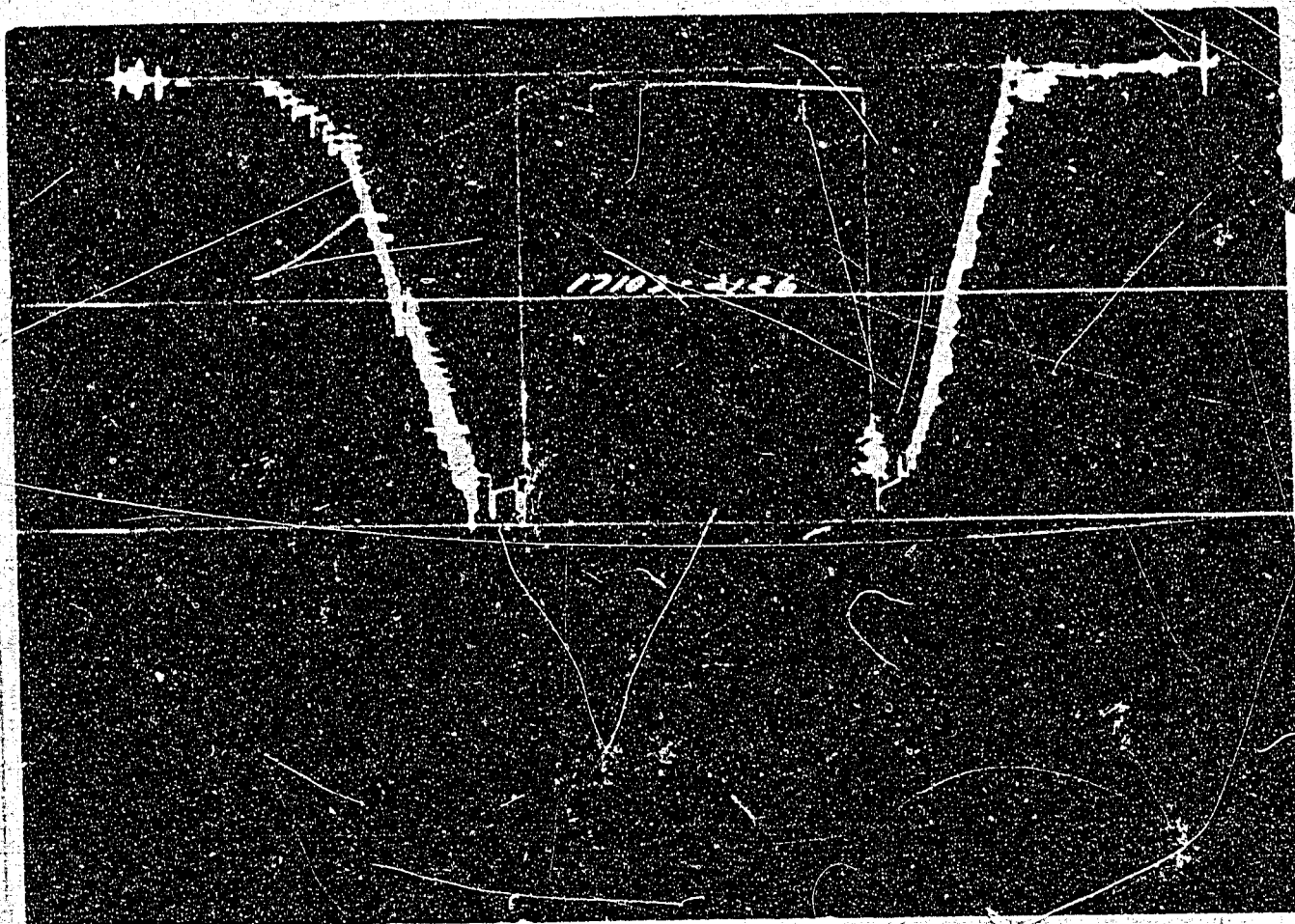
Intervals of Pressure Readings (Minutes) 1st Flow Pressure 2.5 Initial CIP 3.0 2nd Flow Pressure 6.0 Final CIP 6

Remarks:

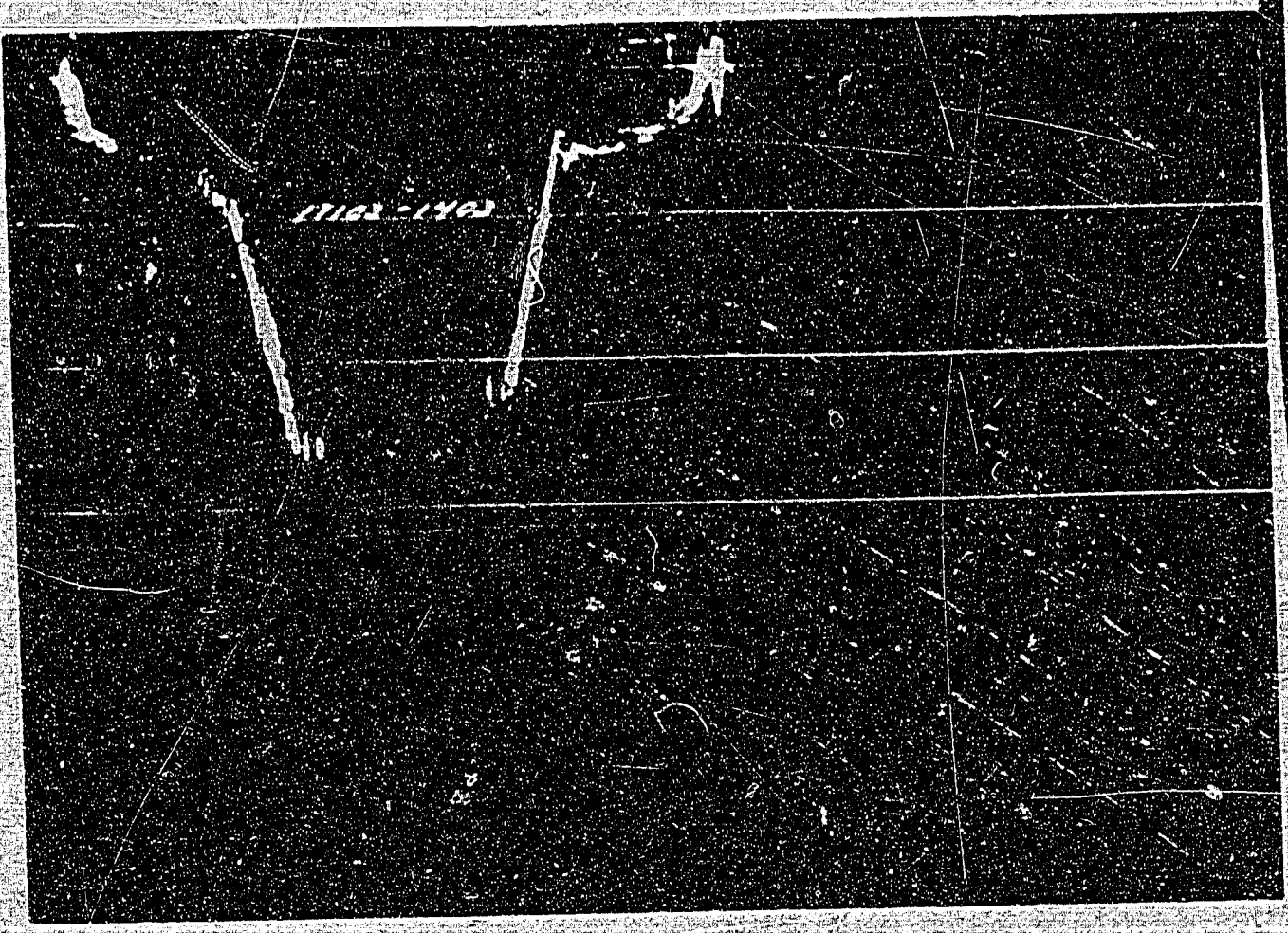
PRESSURE

TIME

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



Each Horizontal Line Equal to 1000



TEMPERATURE

REMARKS

1. Air temperature

2. Surface temperature

3. Temperature of water

4. Direction of wind

5. Force of wind

6. Direction of surface current

7. Force of surface current

8. Direction of bottom current

9. Force of bottom current

10. Direction of surface drift

11. Force of surface drift

12. Direction of bottom drift

13. Force of bottom drift

14. Direction of surface current

15. Force of surface current

16. Direction of bottom current

17. Force of bottom current

18. Direction of surface drift

19. Force of surface drift

20. Direction of bottom drift

21. Force of bottom drift

22. Direction of surface current

23. Force of surface current

24. Direction of bottom current

25. Force of bottom current

26. Direction of surface drift

27. Force of surface drift

28. Direction of bottom drift

29. Force of bottom drift

30. Direction of surface current

31. Force of surface current

32. Direction of bottom current

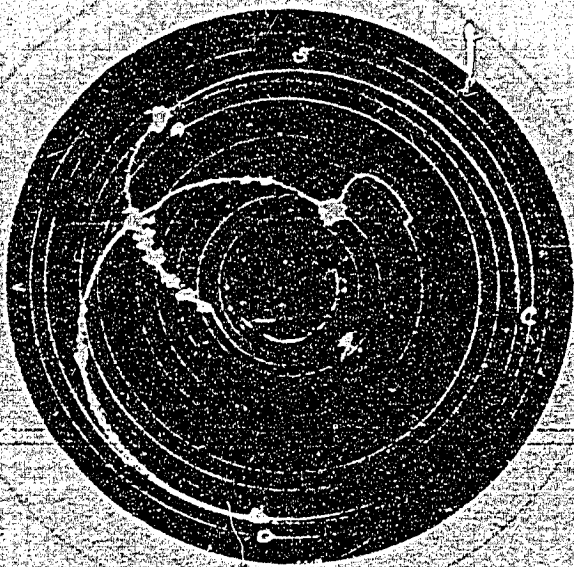
33. Force of bottom current

34. Direction of surface drift

35. Force of surface drift

36. Direction of bottom drift

37. Force of bottom drift



A 170 F

B 170 F

C 152 F

D 158 F

3775

TEMPERATURE RECORD

Each concentric line
equals 10° F.

Temperature increases
outwardly

Ticket No T. 121.23

Temperature Range °F

70 °F to 120 °F

A to B — Initial CIP

B to C — 2nd Flow

C to D — Final CIP

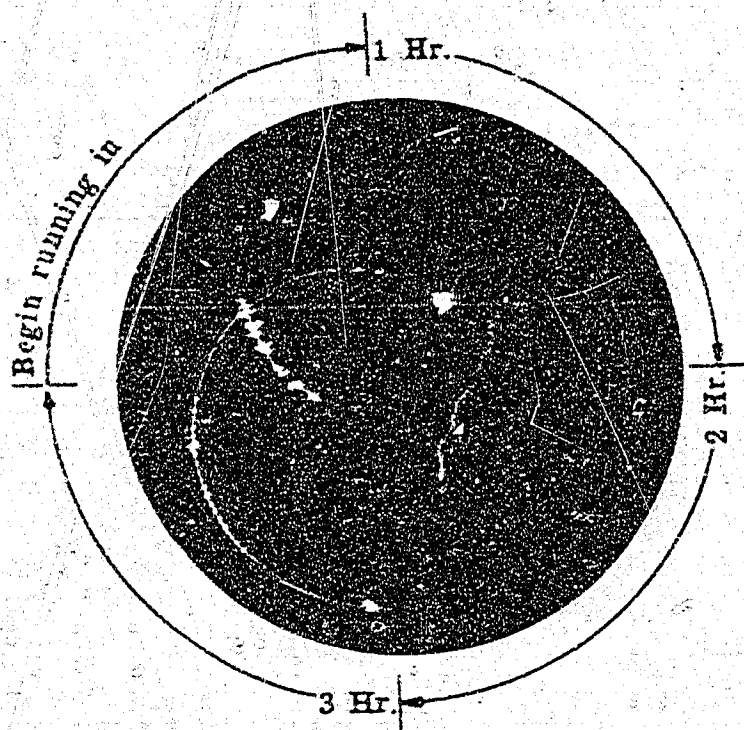
A 140 °F

B 140 °F

C 152 °F

D 158 °F

3773



HOWCO 521020

COM-TEX HOLDINGS & DEVELOPMENT LTD.

DAILY DRILLING REPORT

Date 12-18 1960

Fig # 6 Location House San Antonio Cilebete E-77 Job # 394

REMARKS

From		Footage		To	Mrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FORMATION		OIL		Stands															
							No.	O.D.	I.D.	Wgt.			FUEL		Singles															
													WATER		D. Collars															
No.		Size		Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Mrs.	Feet Reamed	Mrs.	CONDITION		Other Ft.															
															C.B. Ft.															
MUD													12 Mo.		2 a.m.		1 a.m.		5 a.m.		Additives		At Surveys Degree		MOTOR HOURS		Next Oil Change			
WEIGHT																														
VISCOSITY																														
GEL																														
No. 1		Pressure																												
Model		S.P.M.																												
Liner Size																														
No. 2		Pressure																												
Model		S.P.M.																												
Liner Size																														
General																														
W.L.		F.C.		D.H.																										

From		Footage		To	Mrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FORMATION		OIL		Stands													
							No.	O.D.	I.D.	Wgt.			FUEL		Singles													
													WATER		D. Collars													
No.		Size		Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Mrs.	Feet Reamed	Mrs.	CONDITION		Other Ft.													
															C.B. Ft.													
MUD													2 a.m.		10 a.m.		12 Noon		2 p.m.		Additives		At Surveys Degree		MOTOR HOURS		Next Oil Change	
WEIGHT																												
VISCOSITY																												
GEL																												
No. 1		Pressure																										
Model		S.P.M.																										
Liner Size																												
No. 2		Pressure																										
Model		S.P.M.																										
Liner Size																												
General																												
W.L.		F.C.		D.H.																								

From		Footage		To	Mrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FORMATION		OIL		Stands													
							No.	O.D.	I.D.	Wgt.			FUEL		Singles													
													WATER		D. Collars													
No.		Size		Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Mrs.	Feet Reamed	Mrs.	CONDITION		Other Ft.													
															C.B. Ft.													
MUD													4 p.m.		5 p.m.		5 a.m.		10 p.m.		Additives		At Surveys Degree		MOTOR HOURS		Next Oil Change	
WEIGHT																												
VISCOSITY																												
GEL																												
No. 1		Pressure																										
Model		S.P.M.																										
Liner Size																												
No. 2		Pressure																										
Model		S.P.M.																										
Liner Size																												
General																												
W.L.		F.C.		D.H.																								

From		Footage		To	Mrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FORMATION		OIL		Stands													
							No.	O.D.	I.D.	Wgt.			FUEL		Singles													
													WATER		D. Collars													
No.		Size		Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Mrs.	Feet Reamed	Mrs.	CONDITION		Other Ft.													
															C.B. Ft.													
MUD													4 p.m.		5 p.m.		5 a.m.		10 p.m.		Additives		At Surveys Degree		MOTOR HOURS		Next Oil Change	
WEIGHT																												
VISCOSITY																												
GEL																												
No. 1		Pressure																										
Model		S.P.M.																										
Liner Size																												
No. 2		Pressure																										
Model		S.P.M.																										
Liner Size																												
General																												
W.L.		F.C.		D.H.																								

From		Footage		To	Mrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FORMATION		OIL		Stands													
							No.	O.D.	I.D.	Wgt.			FUEL		Singles													
													WATER		D. Collars													
No.		Size		Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Mrs.	Feet Reamed	Mrs.	CONDITION		Other Ft.													
															C.B. Ft.													
MUD													4 p.m.		5 p.m.		5 a.m.		10 p.m.		Additives		At Surveys Degree		MOTOR HOURS		Next Oil Change	
WEIGHT																												
VISCOSITY																												
GEL																												
No. 1		Pressure																										
Model		S.P.M.																										
Liner Size																												
No. 2		Pressure																										
Model		S.P.M.																										
Liner Size																												
General																												
W.L.		F.C.		D.H.																								

From		Footage		To	Mrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FORMATION		OIL		Stands													
							No.	O.D.	I.D.	Wgt.			FUEL		Singles													
													WATER		D. Collars													
No.		Size		Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Mrs.	Feet Reamed	Mrs.	CONDITION		Other Ft.													
															C.B. Ft.													
MUD													4 p.m.		5 p.m.		5 a.m.		10 p.m.		Additives		At Surveys Degree		MOTOR HOURS		Next Oil Change	
WEIGHT																												
VISCOSITY																												
GEL																												
No. 1		Pressure																										
Model		S.P.M.																										
Liner Size																												
No. 2		Pressure																										
Model		S.P.M.																										
Liner Size																												
General																												
W.L.		F.C.		D.H.																								

From		Footage		To	Mrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FORMATION		OIL		Stands													
							No.	O.D.	I.D.	Wgt.			FUEL		Singles													
													WATER		D. Collars													
No.		Size		Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Mrs.	Feet Reamed	Mrs.	CONDITION		Other Ft.													
															C.B. Ft.													
MUD													4 p.m.		5 p.m.		5 a.m.		10 p.m.		Additives		At Surveys Degree		MOTOR HOURS		Next Oil Change	
WEIGHT																												
VISCOSITY																												
GEL																												
No. 1		Pressure																										
Model		S.P.M.																										
Liner Size																												
No. 2		Pressure																										
Model		S.P.M.																										
Liner Size																												
General																												
W.L.		F.C.		D.H.																								

From		Footage		To	Mrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FORMATION		OIL		Stands													
							No.	O.D.	I.D.	Wgt.			FUEL		Singles													
													WATER		D. Collars													
No.		Size		Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Mrs.	Feet Reamed	Mrs.	CONDITION		Other Ft.													
															C.B. Ft.													
MUD													4 p.m.		5 p.m.		5 a.m.		10 p.m.		Additives		At Surveys Degree		MOTOR HOURS		Next Oil Change	
WEIGHT																												
VISCOSITY																												
GEL																												
No. 1		Pressure																										
Model		S.P.M.																										
Liner Size																												
No. 2		Pressure																										
Model		S.P.M.																										
Liner Size																												
General																												
W.L.		F.C.		D.H.																								

From		Footage		To	Mrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FORMATION		OIL		Stands													
							No.	O.D.	I.D.	Wgt.			FUEL		Singles													
													WATER		D. Collars													
No.		Size		Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Mrs.	Feet Reamed	Mrs.	CONDITION		Other Ft.													
															C.B. Ft.													
MUD													4 p.m.		5 p.m.		5 a.m.		10 p.m.		Additives		At Surveys Degree		MOTOR HOURS		Next Oil Change	
WEIGHT																												
VISCOSITY																												
GEL																												
No. 1		Pressure																										
Model		S.P.M.																										
Liner Size																												
No. 2		Pressure																										
Model		S.P.M.																										
Liner Size																												
General																												
W.L.		F.C.		D.H.																								

From		Footage		To	Mrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FORMATION		OIL		Stands													
							No.	O.D.	I.D.	Wgt.			FUEL		Singles													
													WATER		D. Collars													
No.		Size		Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Mrs.	Feet Reamed	Mrs.	CONDITION		Other Ft.													
															C.B. Ft.													
MUD													4 p.m.		5 p.m.		5 a.m.		10 p.m.		Additives		At Surveys Degree		MOTOR HOURS		Next Oil Change	
WEIGHT																												
VISCOSITY																												
GEL																												
No. 1		Pressure																										
Model		S.P.M.																										
Liner Size																												
No. 2		Pressure																										
Model		S.P.M.																										
Liner Size																												
General																												
W.L.		F.C.		D.H.																								

From		Footage		To	Mrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FORMATION		OIL		Stands	
							No.	O.D.	I.D.	Wgt.	</					

Totco Ring on Bit No.

D.P. Calizedo Date

Results

Boiler in Operation Adm

Toolpusher

E.O.P. Test-Operated

Time 9

Results

Approved

CANTEX DRILLING & EXPLORATION LTD.

DAILY DRILLING REPORT

Date. Jan 7 1968

Fig# 4

Location Dona Penam Calibeta

622

Job# 294

REMARKS

Start	Stop	Interval
-------	------	----------

[illegible][illegible]

W.L.		F.C.		D.N.		DRILL COLLARS				FORMATION		OIL			Stands	
From	Footage	To	Mrs. on Bottom	Wt. Drill String (1000 lbs.)	No.	O.D.	I.D.	Wgt.			FUEL		Singles			
												WATER				
									Mrs.	Feet Spooled	Mrs.	CONDITION	D. Collars			
No.	Size	Type	Size Jaws	Serial No.	Weight	R.P.M.	Ft. Drilled						Other Ft.			
								At Surveys Dogra		MOTOR HOURS		Heat Oil Change	C.B. Ft.			
MUD		8 a.m.		10 a.m.		12 Noon		2 p.m.		Additives			Subs. Ft.			
WEIGHT		Press #1- 4500 - 4700 - 4000										5954	Ft. Up On Kelly			
VISCOSITY		Concentrated with 210 P.H.R.										6177	TOTAL			
GEL		Contractor's Cement														
Model	No. 1	Prel-Sure	Displaced with 50% Phosphate Lap down 3:00 P.M.										Slip	Feet of Cut	Feet Left on Spool	Next Slip
		S.P.M.														
Model	No. 2	Pre-sure	No. Lines		TON MILES		TOTAL MILES									
		S.P.M.														

Finish Run on open line	9:00	10:00	1
pick up singles 17	10:00	1:00	3
Circulate + WCC	1:00	2:45	3/4
Play #1	2:45	3:00	1/4
Play WCC	3:00	4:00	2
WCC			

[illegible][illegible]

100-443887-100

Results

Boiler in Operation --

Toolpusher

BOB Test Operated

Time

Results

1000 900 800 700 600 500 400 300 200 100 0

100

CAN-TEX DRILLING & EXPLORATION LTD.

DAILY DRILLING REPORT

Date JAN 6 1968Rig# 6 Location DOME SAN AN CARBONATE C 77 Job# 394

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FORMATION	OIL	FUEL	WATER	Stands
No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION		
41964													
MUD													
WEIGHT													
VISCOSITY													
GEL													
At Surveys Degree													
MOTOR HOURS													
Next Oil Change													
No. 1 Pressure													
Model S.P.M.													
Liner Size													
No. 2 Pressure													
Model S.P.M.													
Liner Size													
General													
Size TRIPS No. Lines TON MILES TOTAL MILES Slip Feet Cut Feet Left on Spool Next Slip													
118.84 6 54 9194 - - 3200 9667													

R.C. Service

MAKE UP TESTER

WORK ON AIR LINES

Run in w/ PACKER

RUN DST #1 - 4190 - 4400

PF-30IN 151-30M 40-60min FSI-60

GOOD BLOW ON PREFLO. Stand. Thru out Test

1911-1974 FF-1474

FH-1931 151-1559 Temp 173°

IF-334 FSI-1559

RAC 370' Mud 2820' Swath

Company Time 8 Cont'r Time

Run in w/ PACKER

Test open

Final Flow

SHUT IN

Blend of F & B Break

Down Hays

Pull Packer & lay

down

Company Time 8 Cont'r Time

R.C. Service

MAKE UP PACKER RUN IN.

TESTING

Pull out w/ packer

DST #2 - 3790-4100

PF-30M 151-30-40-60min FSI-60min

Weak blow thru throat Test

151-1802 - 151-184

FH-1802 - 151-184

IF-14 - FSI-56 TEMP-160°

Recovered 10' salty brown water

Company Time 8 Cont'r Time

Toolpusher

Approved by

Totco King on Bit No.

D.P. Caliper Date

Results

Boiler in Operation

Toolpusher

B.O.P. Test-Operated

Time

Results

Approved by

CAN-TEX DRILLING & EXPLORATION LTD.

DAILY DRILLING REPORT

Date JAN 5 1968

Rig# 6 Location Dome Pac Am CELIA STAS C-77 Job# 394

REMARKS

[illegible]

Totco Ring on Bit No.

D.P. Calipered Date

Results

Boiler in Operation Yes

Toolpusher

B.O.P. Test-Operated

Time

உருப்பித

Approved

CAN-TEC DRILLING & EXPLORATION LTD.

DAILY DRILLING REPORT

Date JAN 4 1968

Rig# 6 Location DOME PAN AM CELIESTA CT7 Job# 394

REMARKS

Time		
Start	Stop	Interval

Rig #		Location		Drill String		DRILL COLLARS			FORMATION		OIL		Stands	
From	Footage	To	Mrs. on Bottom	Wt. Drill String (1000 lbs.)	No.	O.D.	I.D.	Wgt.		FUEL	50"		4325.42	
4815	47	4912	73 1/4	122.	13	8 1/4	2 3/4	50m					Singles	
									WATER					
No.	Size	Type	Size Jct.	Serial No.	Weight	R.P.M.	Ft. Drilled	Mrs.	Feet Keamed	Mrs.	CONDITION	C. Collars		
11	8 3/4	X55R	7-19	92756	35	60	172	23 1/2			du/g	529.42	Other Ft.	
												C.B. Ft.		
MUD						At Surveys Degree		MOTOR HOURS		Next Oil Change		Subs. Ft.		
WEIGHT		12 Mn.	2 a.m.	4 a.m.	6 a.m.	Additives		4740	340	1	5954			
VISCOSITY		75	102	144	113	100 C/100 G-GEL				2	6432	Ft. Up On Kelly 14.51		
GEL						1/2 gal No Stick				3		TOTAL		
		980				8 lbs Benz				4		4912		
No. 1 Pressure		60								5				
Model S.P.M.														
Liner Size		6 1/2												
No. 2 Pressure														
Model S.P.M.														
Liner Size														
General						TON MILES		TOTAL MILES		Slip		Feet Left on Spool		
1 1/4						93		9089		-		3275		
9167														

RIG SERVICE
DRILL 8 3/4 hole

[illegible]

From		Postage		To	Mrs. on Bottom		Wt. Drill String (1000 lbs.)		DRILL COLLARS				FORMATION		OIL		FUEL		WATER	
No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Mrs.	Feet Reamed	Mrs.	CONDITION	D. Collars		Singles		Other Ft.		C.S. Ft.		
4912	34	4946	7 3/4	124	13 1/2	23	50													
11	8 3/4	X55R	2-15	92756	35	60	206	38 1/2												
MUD		8 a.m.	10 a.m.	12 Noon	2 p.m.	Additives		At Surveys		Degrees		MOTOR HOURS		Heat Oil Change		Subs. Ft.		Ft. Up On Kelly		
WEIGHT		9.1	9.1	9.1	9.1			15740		3/4		1		3954		29 1/2		11		
VISCOSITY		90	84	79	89							2		6436						
GEL												3								
No. 1		Pressure	900	900	900							4								
Model		S.P.M.	60	60	60							5								
550		Liner Size	6																	
No. 2		Pressure																		
Model		S.P.M.																		
246		Liner Size																		
Size		TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip		Feet or		Cut		Feet Left on Spool		Next Slip						
13		23	6		9089							3275		9167						
General																				

Big Dick
Drill E

[illegible]

W.L.S.H S.C.F.C.P.DH. 8														Stands	
From		Footage		To	Hrs. on Bottom	Wt. Drill String (100G lbs.)	DRILL COLLARS			FORMATION		OIL	FUEL	44171	
							No.	Q.D.	I.D.	Wgt.			51	Singles	
							1 1/2	6 3/4	2 3/4	50			WATER	6.11	
4946 18 4964 4 1/2 124 M. 6 6 1/2 2 3/4 50														D. Collars	
No.		Size		Type	Size Jct's	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION	529 H	
11		8 3/4		x-55 R	2-14	92756	35	100	22 ft	36				Other Ft.	
														C.B. Ft.	
MUD						4 p.m.	6 p.m.	8 p.m.	10 p.m.	Additives	At Survey Degree		MOTOR HOURS		Feet Oil Change
WEIGHT						90	90	90	90	3500 GEL			1	595 L	Subst. Ft.
VISCOSITY						99	90	100	100				2	610	Ft. Up On Kelly
GEL													3		25
													4		Total
													5		496
No. 1		Pres-sure		900	900	900	900								
Model		S.P.M.		60	60	60	60								
Liner Size		C		C	C	C	C								
No. 2		Pres-sure						Size	TRIPS	No. Linns	TON MILES	TOTAL MILES	Slip Feet or	Cut	Feet Left on Spool
Model		S.P.M.						1 1/2	43	6		9089			3225
														916	

60 R.I.C SERVICE
DATE 8TH HOL
BASE TO LOG
SURVEY
MEASURE ON T

7
ID
7

Company Time 8

4.00	4.15	
4.15	9.00	4
9.00	11.00	2
11.00	11.15	
11.15	12.00	

to 129

Cont'r Time

Totco Ring on Bit No.

D.P. Calipered Date

Results

Boiler in Operation *4/22*

Teo!ouyho

Toolpusher James Michael

B.O.F. Test-Operated

Time

Results

Approved

CAN-TEX DRILLING & EXPLORATION LTD.

DAILY DRILLING REPORT

Date JAN 3 1968Rig# 6 Location DOME PAR AM CELIBETA C 77 Job# 394

RIG SERVICE															Time		
Drill 8 3/4 Hole															Start	Stop	Interval
SURVEY															1200	1215	15
TRIP FOR BIT															1215	330	3 15
CLEAN 20' TO BOTTOM															330	345	15
DRILL 8 3/4 Hole															345	700	3 15
DRILL 8 3/4 Hole															700	715	15
DRILL 8 3/4 Hole															715	800	45
DRILL 8 3/4 Hole															800	815	15
DRILL 8 3/4 Hole															815	1400	5 45
DRILL 8 3/4 Hole															1400	1415	15
DRILL 8 3/4 Hole															1415	1515	1 00
DRILL 8 3/4 Hole															1515	1545	30
DRILL 8 3/4 Hole															1545	1200	6 15

RIG SERVICE															Time		
Drill 8 3/4 Hole															Start	Stop	Interval
SURVEY															1200	1215	15
TRIP FOR BIT															1215	330	3 15
CLEAN 20' TO BOTTOM															330	345	15
DRILL 8 3/4 Hole															345	700	3 15
DRILL 8 3/4 Hole															700	715	15
DRILL 8 3/4 Hole															715	800	45
DRILL 8 3/4 Hole															800	815	15
DRILL 8 3/4 Hole															815	1400	5 45
DRILL 8 3/4 Hole															1400	1415	15
DRILL 8 3/4 Hole															1415	1515	1 00
DRILL 8 3/4 Hole															1515	1545	30
DRILL 8 3/4 Hole															1545	1200	6 15

RIG SERVICE															Time		
Drill 8 3/4 Hole															Start	Stop	Interval
SURVEY															1200	1215	15
TRIP FOR BIT															1215	330	3 15
CLEAN 20' TO BOTTOM															330	345	15
DRILL 8 3/4 Hole															345	700	3 15
DRILL 8 3/4 Hole															700	715	15
DRILL 8 3/4 Hole															715	800	45
DRILL 8 3/4 Hole															800	815	15
DRILL 8 3/4 Hole															815	1400	5 45
DRILL 8 3/4 Hole															1400	1415	15
DRILL 8 3/4 Hole															1415	1515	1 00
DRILL 8 3/4 Hole															1515	1545	30
DRILL 8 3/4 Hole															1545	1200	6 15

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

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

Results _____

Results _____

Boiler in Operation yesToolpusher James Melillo

Approved by _____

CAN-TEX DRILLING & EXPLORATION LTD.

DAILY DRILLING REPORT

Date Jan 1 1968

Rig# 6 Location DOME PAN AM CELIBETA C77 Job# 394

REMARKS

Start Time Interval

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FORMATION	OIL	Stands	Start	Time	Interval
4157	91	4248	7 1/4	114m	No. 13	Q.D. 6 1/4	I.D. 2 1/2	Wgt. 50		FUEL 46	3681.60	12:00	12:05	1/4
										WATER	Singles	12:05	8:00	7 3/4

No.	Size	Type	Size Jct.	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION	D. Collars
10	8 1/4	X55R	7-14	91406	34	60	165	15			dry	529.42
												Other Ft.

MUD	12 Mts.	2 a.m.	4 a.m.	6 a.m.	Additives	At Surveys Degree	MOTOR HOURS	Next Oil Change
WEIGHT	90	90	90	90	2000 lbs. GEL		1 5954	
VISCOSITY	61	85	120	97	50 lbs. WL-100		2 6387	
GEL					50 lbs. H-VIS C-100		3	
					1000-2000		4	
							5	
								TOTAL 4248

No. 1	Pressure	Model	S.P.M.	Liner Size	Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet on	Cut	Feet Left on Spool	Next Slip
209	60	60	60	6"	14	32	6		8985	-	3275	-	9167	
No. 2	Pressure	Model	S.P.M.	Liner Size	Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet on	Cut	Feet Left on Spool	Next Slip
214	60	60	60	6"	14	32	6		8985	-	3275	-	9167	

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FORMATION	OIL	Stands	Start	Time	Interval
4248	106	4354	7 1/4	114m	No. 13	Q.D. 6 1/4	I.D. 2 1/2	Wgt. 50		FUEL 46	3804.60	8:00	8:05	1/4
										WATER 1011	Singles	8:05	4:00	7 3/4

No.	Size	Type	Size Jct.	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION	D. Collars
10	8 1/4	X55R	7-14	91406	35	60	271	22				529.42
												Other Ft.

MUD	8 a.m.	10 a.m.	12 Noon	2 p.m.	Additives	At Surveys Degree	MOTOR HOURS	Next Oil Change
WEIGHT	90	91	90	90	RENEX-8		1 5954	
VISCOSITY	96	88	80	70	NO-STICK - Vagol		2 6387	
GEL							3	
							4	
							5	
								TOTAL 4354

No. 1	sure	60	60	60	60																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FORMATION	OIL	Stands	Start	Time	Interval
4354	94	4448	7 3/4	116m	No. 13	Q.D. 6 1/4	I.D. 2 1/2	Wgt. 54		FUEL 46	3847.20	4:00	4:15	1/4
										WATER 1011	Singles	4:15	12:00	7 3/4

No.	Size	Type	Size Jct.	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION	D. Collars
10	8 1/4	X55R	7-14	91406	35	60	365	30			0.66	529.42
												Other Ft.

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.	Additives	At Surveys Degree	MOTOR HOURS	Next Oil Change
WEIGHT	90	90	90	90	1400 GEL		1 5954	
VISCOSITY	63	60	65	64	50 WL-100		2 6387	
GEL					6 RENEX		3	
					3 gal NO-STICK		4	
							5	
								TOTAL 4448

NO. 1	No. 1	Pressure	Model	S.P.M.	Liner Size	Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet on Spool	Cut	Feet Left on Spool	Next Slip
	209	60	60	60	60	6"	14	32	6	8985		3275	9167		
	No. 2	Pressure	Model	S.P.M.	Liner Size	Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet on Spool	Cut	Feet Left on Spool	Next Slip
	214	60	60	60	60	6"	14	32	6	8985		3275	9167		
General															
Company Time															
Cust's Time															

Totco Ring on Bit No.

D.P. Calipered Date

Results

Boiler in Operation

Toolpusher

B.O.P. Test-Operated

Time

Results

Approved by

James Schick

CAN-TEX DRILLING & EXPLORATION LTD.

DAILY DRILLING REPORT

Date Dec 31 1967Rig# 6 Location P.O.M. Bay Ann CENIGETA C 77 Job# 394

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FORMATION	OIL	Stands
					No.	O.D.	I.D.	Wgt.			
3994	61	4055	7 1/4	104	13	6 1/4	2 1/4	40		51"	3590.20
B.I.T.S. No. <u>9</u> Size <u>8 3/4</u> Type <u>3-16</u> Serial No. <u>KX022</u> Weight <u>35</u> R.P.M. <u>75</u> Ft. Drilled <u>176</u> Hrs. <u>2 1/4</u> Feet Reamed <u></u> Mrs. <u></u> CONDITION <u>DRY</u>											
MUD 12 Mo. 2 a.m. 4 a.m. 6 a.m. Additives <u>GEL = 3000 lbs.</u> At Surveys Degree <u></u> MOTOR HOURS <u>1 5954</u> Next Oil Change <u></u>											
WEIGHT <u>9.0</u> 9.0 9.0 9.0 <u>GEL = 3000 lbs.</u> <u>1 5954</u>											
VISCOSITY <u>65</u> 130 95 75 <u>GENEX - 7</u> <u>6369</u>											
GEL <u>1000</u> <u>65</u> <u>DRY</u>											
P.U.M.S. No. 1 Pressure <u>1000</u> S.P.M. <u>65</u> No. 2 Pressure <u>65</u> S.P.M. <u>65</u>											
Size TRIPS No. Lines TON MILES TOTAL MILES Slip Feet Cut Feet Left on Spool Next Slip											
<u>1 1/2</u> <u>81</u> <u>6</u> <u>8901</u> <u>-</u> <u>-</u> <u>3275</u> <u>9167</u>											

REMARKS	Time		
	Start	Stop	Interval
<u>DRILL SERVICE</u>	<u>12:00</u>	<u>12:55</u>	<u>1/4</u>
<u>DRILL 8 3/4 hole</u>	<u>12:55</u>	<u>2:00</u>	<u>7 3/4</u>

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FORMATION	OIL	Stands
					No.	O.D.	I.D.	Wgt.			
4055	28	4083	1 1/2	104	13	6 1/4	2 1/4	54		49	3620.12
B.I.T.S. No. <u>9</u> Size <u>8 3/4</u> Type <u>3-16</u> Serial No. <u>KX022</u> Weight <u>35</u> R.P.M. <u>75</u> Ft. Drilled <u>104</u> Hrs. <u>2 1/2</u> Feet Reamed <u></u> Mrs. <u></u> CONDITION <u>DRY</u>											
MUD 8 a.m. 10 a.m. 12 Noon 2 p.m. Additives <u></u> At Surveys Degree <u>4070</u> MOTOR HOURS <u>1 5954</u> Next Oil Change <u></u>											
WEIGHT <u>9.0</u> 9.0 9.0 <u>4070</u> <u>1 5954</u>											
VISCOSITY <u>7.8</u> 74 68 <u>6369</u>											
GEL <u>1000</u> <u>1000</u> <u>DRY</u>											
P.U.M.S. No. 1 Pressure <u>1000</u> S.P.M. <u>65</u> No. 2 Pressure <u>65</u> S.P.M. <u>65</u>											
Size TRIPS No. Lines TON MILES TOTAL MILES Slip Feet Cut Feet Left on Spool Next Slip											
<u>1 1/2</u> <u>81</u> <u>6</u> <u>8943</u> <u>-</u> <u>-</u> <u>3275</u> <u>9167</u>											

REMARKS	Time		
	Start	Stop	Interval
<u>DRILL SERVICE</u>	<u>8:00</u>	<u>8:15</u>	<u>1/4</u>
<u>DRILL 8 3/4 hole</u>	<u>8:15</u>	<u>12:00</u>	<u>3 3/4</u>
<u>SURVEY</u>	<u>12:00</u>	<u>1:00</u>	<u>1/4</u>
<u>TRIP & pick up 3 Ded</u>	<u>1:00</u>	<u>4:00</u>	<u>3</u>

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FORMATION	OIL	Stands
					No.	O.D.	I.D.	Wgt.			
4093	74	4157	7 1/4	100	13	6 1/4	2 1/4	54		49	3590.20
B.I.T.S. No. <u>10</u> Size <u>8 3/4</u> Type <u>3-16</u> Serial No. <u>91406</u> Weight <u>30</u> R.P.M. <u>60</u> Ft. Drilled <u>74</u> Hrs. <u>7 1/4</u> Feet Reamed <u></u> Mrs. <u></u> CONDITION <u>DRY</u>											
MUD 4 p.m. 6 p.m. 8 p.m. 10 p.m. Additives <u>2500# GEL</u> At Surveys Degree <u></u> MOTOR HOURS <u>1 5954</u> Next Oil Change <u></u>											
WEIGHT <u>9.1</u> 9.1 9.1 <u>2500# GEL</u> <u>1 5954</u>											
VISCOSITY <u>45</u> 57 74 <u>100# WL 100</u> <u>6369</u>											
GEL <u>1000</u> <u>1000</u> <u>DRY</u>											
P.U.M.S. No. 1 Pressure <u>900</u> S.P.M. <u>60</u> No. 2 Pressure <u>60</u> S.P.M. <u>60</u>											
Size TRIPS No. Lines TON MILES TOTAL MILES Slip Feet Cut Feet Left on Spool Next Slip											
<u>1 1/2</u> <u>82</u> <u>6</u> <u>42</u> <u>8985</u> <u>-</u> <u>-</u> <u>3275</u> <u>9167</u>											

REMARKS	Time		
	Start	Stop	Interval
<u>DRILL SERVICE</u>	<u>4:50</u>	<u>4:15</u>	<u>1/4</u>
<u>Run in 4 1/2" T</u>	<u>4:15</u>	<u>4:30</u>	<u>1/4</u>
<u>CLEAN 25' to Bottom</u>	<u>4:30</u>	<u>4:45</u>	<u>1/4</u>
<u>DRILL 8 3/4 hole</u>	<u>4:45</u>	<u>12:00</u>	<u>7 1/4</u>

Totop Ring on Bit No.

D.P. Caliper Date

Results

Boiler in Operation yesToolpusher James Schiller

S.O.P. Test-Operated

Time

Results

Approved by

CAN-TEX DRILLING & EXPLORATION LTD.

DAILY DRILLING REPORT

Date DEC 30 1967Rig# 6 Location DOME PACIFIC PAN AM CELIBATA 277 Job# 394

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FORMATION	OIL	FUEL	WATER	Stands	Singles	REMARKS	Time		
					No.	O.D.	I.D.	Wgt.								Start	Stop	Interval
3853	26	3879	4 3/4	100	13	6 3/4	2 3/8	40			56"	Pull	3406.35		Rig SERVICE	12:50	12:15	1/4
BITS	No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION	D. Collars	Other Ft.	SURVEY TRIP	12:15	5:50	4 3/4
	8	8 3/4	AWD	4/0	71651	25	80	102	16 1/2			331	447.58			5:50	5:15	1/4
																5:15	6:15	1
																6:15	8:00	1 3/4

MUD	12 Mn.	2 a.m.	4 a.m.	6 a.m.	Additives	At Surveys Degree	MOTOR HOURS	Next Oil Change	Subs. Ft.																	
WEIGHT	9.0	9.0	9.0		GAL - 2.0750	3870 1 1/2	1 5954																			
VISCOSITY	58	65	70		C.M.C. 25 th		2 6353		Ft. Up On Kelly																	
GEL					WATER - 25		3		Kelly																	
PUMPS	No. 1	Pressure	700		General	Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or	Cut	Feet Left on Spool	Next Slip											
	Model	S.P.M.	66																							
	Liner Size		6																							
	No. 2	Pressure	18 80 6																							
Model	S.P.M.			8823 - - 3275 9167																						
Liner Size																										
No. 2	Pressure																									
Model	S.P.M.																									

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FORMATION	OIL	FUEL	WATER	Stands	Singles
3879	54	3933	5 3/4	104	13	6 3/4	2 3/8	40			55"		3406.35	

No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION	D. Collars	Other Ft.
8	8 3/4	X7	3-16	KX022	35	75	54	5 3/4			only	447.98	

MUD	8 a.m.	10 a.m.	12 Noon	2 p.m.	Additives	At Surveys Degree	MOTOR HOURS	Next Oil Change	Subs. Ft.
WEIGHT	11.1	P	9.0	9.0			1	5954	
VISCOSITY			72	72	F		2	6357	
GEL							3		
									H. Up On Kelly 23.8

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FORMATION	OIL	FUEL	WATER	Stands	Singles
3933	61	3994	7 3/4	104 m	13	6 3/4	2 3/8	40			29		3529.10	

No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION	D. Collars	Other Ft.
9	8 3/4	X7	3-16	KX022	35	75	115	13 1/2				447.98	

From		Footage		To	Art. on Bottom	Wt. on String (1000 lbs.)	GRIP LOGS		TOLLS		FUEL		WATER		Singles	
3933		61		3994	7 3/4	104 m	No. 13	O.P. 6 3/4	I.D. 2 7/8	Wgt. 40						

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FORMATION	OIL	FUEL	WATER	Stands	Singles
3994	61	4055	7 3/4	104 m	13	6 3/4	2 3/8	40			29		3529.10	

No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION	D. Collars	Other Ft.
9	8 3/4	X7	3-16	KX022	35	75	115	13 1/2				447.98	

S P I C E	450	Liner Size	6"	Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or	Cut	Feet Left on Spool	
	No. 2	Pressure		1000	81	6		8901				3275	916'
	Model	S.P.M.		General									
	218	Liner Size	6"										

Totco Ring on Bit No.

D.P. Calipered Date

Results

Boiler in Operation

Toolpusher

Approved by

B.O.P. Test-Operated

Time

Results

Approved by

Approved by

CAN-TEX DRILLING & EXPLORATION LTD

DAILY DRILLING REPORT

Date Dec 18 1967

Rig# 6 Location DOME PROVO PAN AM. CELESTA C77 Job# 394

REMARKS

	From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FORMATION	OIL		Stands
						No.	D.O.	I.D.	Wgt.		FUEL	WATER	
	3300	114	3416	7 1/2	94M	3	6 1/2	2 3/8	40			65"	Singles
												Full	
BITS	No.	Size	Type	Size Jct.	Serial No.	Weight	R.P.M.	Ft. Drilled	Mrs.	Feet Reamed	Hrs.	CONDITION	D. Collars
	6	8 3/4	KU	7-12	91355	15-20	75	1 1/4	7 1/2				44298
													Other Ft.
													C.B. Ft.
	MUD	12 Mn.	2 a.m.	4 a.m.	6 a.m.	Additives	At Surveys Degree		MOTOR HOURS		Next Oil Change		Subs. Ft.
	WEIGHT		4.1	9.1	9.1	4200 lbs GEL	3204 2		1	5954			
	VISCOSITY		43	45	55	8 lbs BAKER			2	620			
	GEL					5c 1bs H.L.V.S CMC			3				Ft. Up On Kelly
PUMPS	No. 1	Pressure	900	900	900	5c 1bs W.H.T. 105			4				TOTAL
	Model S.P.M.		59	59	59	1 gal. No Stick			5				3416
	Liner Size		6		6	Size TRIPS	No. Lines	TON MILES	Total Miles	Slip Feet or Cut	Feet Left on Spool	Next Slip	
	No. 2 Pressure					17	79	6	34	8745	3275	9167	
	Model S.P.M.					General							
	Liner Size												

W.I. 6 F.C. 3 PH. 3

From	Footage	To	Hrs. on Bottom	WT. Drill String (1000 lbs.)	No.	O.D.	I.D.	Wgt.	FORMATION	OIL	FUEL	WATER	3036.47	Singles	KID SERVICE + B.O.P. CHECK	200	8.5	14
3418	118	3536	7 1/2	95m	15	2 7/8	27 3/8	40			64"							
BITS	No.	Size	Type	Size Jct.	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION	D. Collars	Other Ft.				
	6	8 3/4	KV	5-14	91355	20-25	85	236	15			Bldg	447.98					
MUD	8 a.m.	10 a.m.	12 Noon	2 p.m.	Additives	At Surveys Degree		MOTOR HOURS	Next Oil Change									
	WEIGHT	9.2	9.2	9.1	9.2	1000 lbs. GEL	3460	2'12	1	5935								
	VISCOSITY	62	57	50	53	30 lbs. H.V.s Cmc			2	6326								
	GEL					50 lbs. WL-100			3									
DUMPS	No. 1	Pressure	1000	900	8 lbs. RENEX													
	Model	S.P.H.	60	58	1 gal. NO STICK													
	Liner Size	6-		6														
	No. 2	Pressure																
Model	S.P.H.																	
Liner Size																		
General																		
Slip Feet or C.I.																		
Feet Left on Spool																		
Next Slip																		
TOTAL																		
3536																		
Company Time																		
Contr Time																		

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W.L. 50 FC 2/32 PH 7.2

Totco Ring on Bit No. _____	D.P. Calipered Date _____	Results _____	Boiler in Operation <u>yes</u>	Toolpusher <u>James M. Jones</u>
E.O.P. Test-Operated _____	Time _____	Results _____		Approved by _____

CAN-TEX DRILLING & EXPLORATION LTD.

DAILY DRILLING REPORT

Date DEC 27 1967

Rig# 6 Location HOME PROVO PANAMA C. 7.7 Job# 394

From		Footage		To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FORMATION		OIL		FUEL		WATER		Stands		REMARKS		Time			
No.	Size	Type	Size Jct.	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION	D. Collars	Other Ft.	C.B. Ft.	Subs. Ft.	Feet Up On Kelly	TOTAL	Slip	Feet Cut	Feet Left on Spool	Next Slip	Company Time	Cont'r Time	Start	Stop	Interval
2850	170	3020	7 1/2	47M	13	6 1/2	2 3/8	40																		
MUD 12 Mn. 2 a.m. 4 a.m. 6 a.m. Additives 2914 1/2 1 5954 WEIGHT 89 8.7 8.9 8.9 1000 GEL VISCOSITY 53 52 53 54 6 1 gal No Stick GEL 6 1 gal No Stick No. 1 Pressure 1000/1000/1000/1000 25 Wt 100 Model S.P.M. 62 62 62 62 No. 2 Pressure 6 6 6 6 Model S.P.M. 13 78 6 8680 3275 9167 W.L. 6.6 F.C. 8.8 D.H. 8																										
3020	170	3190	7 1/4	88M	13	6 1/4	2 7/8	40																		
MUD 0 a.m. 10 a.m. 12 Noon 2 p.m. Additives WEIGHT 92 9.0 9.2 9.2 1000 lbs GEL VISCOSITY 54 51 50 53 6 1 gal No Stick GEL 1 gal No Stick No. 1 Pressure 1000 Model S.P.M. 62 No. 2 Pressure 6 Model S.P.M. 13 78 6 8680 3275 9167 W.L. 6.6 F.C. 8.8 D.H. 8																										
3190	110	3300	5 1/2	90M	13	6 1/2	2 3/8	40																		
MUD 4 p.m. 6 p.m. 8 p.m. 10 p.m. Additives 3208 2 1 9959 WEIGHT 9.3 9.0 9.0 GEL - 1500 VISCOSITY 5.4 52 47 BENEZ - 14 GEL Diesel Fuel - 30-gals No Stick - 1 gal. No. 1 Pressure 1000 1000 Model S.P.M. 60 60 60 No. 2 Pressure 6 Model S.P.M. 13 78 6 34 8214 3275 9167 W.L. 8.6 F.C. 7.6 D.H. 7.0																										

Totco Ring on Bit No.

D.P. Calipered Date

Results

Boiler in Operation

Toolpusher

B.O.P. Test-Operated

Time

Results

Approved by

James M. Smith

CAN-TEX DRILLING & EXPLORATION LTD.

DAILY DRILLING REPORT

Date DEC. 26 1967

Rig# 2540 Location DOME PROVO PAN AM. DELIBETA C 77 Job# 394

From		Footage		To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FORMATION		OIL		FUEL		WATER		CONDITION		REMARKS		Time																		
No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	Feet Reamed	Hrs.	Feet Reamed	Hrs.	Feet Reamed	Hrs.	Feet Reamed	Hrs.	Feet Reamed	Hrs.	Feet Reamed	Start	Stop	Interval																	
2540	91	2621	7 1/4	82m	13	6 1/2	2 1/2	40														12:00	12:15	15																	
5	8 3/4	XV	2-15	90162	25	75	113	112														12:15	1:00	45																	
MUD																							12 Mn	2 a.m.	4 a.m.	6 a.m.	Additives	At Surveys Degree	MOTOR HOURS	Next Oil Change											
WEIGHT																							9.0	9.0	9.0	9.0	2500 BEL	2410	1	5954											
VISCOSITY																							43	41	45	50	50 CMC		2	6287											
GEL																											25% WAX 100		3												
No. 1 Pressure																							1000	1000	1000	1000	10 GENEX		4												
Model S.P.M.																							62	62	62	62	4 gals NO STICK		5												
Liner Size																							6	6	6	6															
No. 2 Pressure																																									
Model S.P.M.																																									
Liner Size																																									
W.L. 8																							F.C. 3/2	PH 8																	

From		Footage		To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FORMATION		OIL		FUEL		WATER		CONDITION		REMARKS		Time																		
No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	Feet Reamed	Hrs.	Feet Reamed	Hrs.	Feet Reamed	Hrs.	Feet Reamed	Hrs.	Feet Reamed	Hrs.	Feet Reamed	Start	Stop	Interval																	
2621	47	2668	5 3/4	84m	13	6 1/2	2 1/2	40														2:00	2:15	15																	
5	8 3/4	XV	2-15	90102	25	80	160	12 1/2														2:15	2:30	15																	
6	8 3/4	XV	2-15	90101																		2:30	2:45	15																	
MUD																							8 a.m.	10 a.m.	12 Noon	2 p.m.	Additives	At Surveys Degree	MOTOR HOURS	Next Oil Change											
WEIGHT																							9.0	9.0	9.0	9.0	50 lbs. Hi-Vis CMC	2668	1 1/2	5954											
VISCOSITY																							51	50	49		8 lbs. Genex		2	6292											
GEL																											1 gal NO STICK		3												
No. 1 Pressure																							1000						4												
Model S.P.M.																							32						5												
Liner Size																							6																		
No. 2 Pressure																																									
Model S.P.M.																																									
Liner Size																																									
W.L. 5.8																							F.C. 3/2	PH																	

From		Footage		To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FORMATION		OIL		FUEL		WATER		CONDITION		REMARKS		Time																		
No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	Feet Reamed	Hrs.	Feet Reamed	Hrs.	Feet Reamed	Hrs.	Feet Reamed	Hrs.	Feet Reamed	Hrs.	Feet Reamed	Start	Stop	Interval																	
2668	182	2850	7 1/4	86m	13	6 1/2	2 1/2	40														4:00	4:15	15																	
6	8 3/4	XV	2-15	90101	20-25	50	182	7 1/4														4:15	4:30	15																	
MUD																							4 p.m.	6 p.m.	8 p.m.	10 p.m.	Additives	At Surveys Degree	MOTOR HOURS	Next Oil Change											
WEIGHT																							8.8	8.9	8.9	8.9	GENEX-6*	2668	1 1/2	5954											
VISCOSITY																							49	49	46		DIESEL FUEL-10 gals.		2	6297											
GEL																											NO-STICK-1 gals.		3												
No. 1 Pressure																							1000	1000	1000		CMC-50		4												
Model S.P.M.																							62	62	62				5												
Liner Size																							6																		
No. 2 Pressure																																									
Model S.P.M.																																									
Liner Size																																									
W.L. 6.0-10m																							F.C. 3/2	PH 8																	

Totco Ring on Bit No.

D.P. Calipered Date

Results

Boiler in Operation

Toolpusher

Approved

B.O.P. Test-Operated

Time

Results

Approved

CAN-TEX DRILLING & EXPLORATION LTD.

DAILY DRILLING REPORT

Date Dec. 25 1967Rig# 6 Location DOMA PRO. 30. BWN AM. CALI. BETA 277 Job# 394

REMARKS

Start Stop Interval

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FORMATION	OIL	Stands	
2228	178	2406	7 3/4	80M	No. 13	O.D. 6 3/4	I.D. 2 3/4	Wgt. 40		FUEL 8 1/2"	1932 43	
										Water 2	Singles	
No.	Size	Type	Size Jaws	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION	
4	8 3/4	XV	7-14	84220	23	80	435	17 1/2				
											D. Collars 44798	
											Other Ft.	
											C.B. Ft.	
											Subs. Ft.	
											Ft. Up On Kelly 15	
											TOTAL 2406	
MUD	12 M.	2 a.m.	4 a.m.	6 a.m.	Additives	At Surveys Degree	MOTOR HOURS	Next Oil Change				
WEIGHT	9.0	9.0	8.9	8.9	3000 GEL	2170	10	1	5954			
VISCOSITY	37	39	43	40	50 CMC			2	6270			
GEL					4 gals NO-STICK			3				
					50% WL100			4				
					8% BENEX			5				
No. 1	Pressure	No. 2	Pressure	No. 3	Pressure	No. 4	Pressure	No. 5	Pressure			
1000	1000	1000	1000	1000	1000	1000	1000	1000	1000			
Model	S.P.M.	Model	S.P.M.	Model	S.P.M.	Model	S.P.M.	Model	S.P.M.			
62	62	62	62	62	62	62	62	62	62			
Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet of	Cut	Feet Left on Spool	Next Slip			
6	6	6	6	6	1 1/2	76	6	8584	3275	9167		
W.L.	FC	PH										
7.0	3 1/2	8.0										

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DRILL 8 3/4 HOLE1200 1215 15
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DRILL 8 3/4 HOLE

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R.I.E. SERVICE
DRILL 8 3/4 HOLE

1215 800 7 3/4

Totco Ring on Bit No.

D.P. Calipered Date

Results

Boiler in Operation

Toolpusher

Approved by

B.O.P. Test-Operated

Time

Results

Approved by

James Schickel

CAN-TEX DRILLING & EXPLORATION LTD.

DAILY DRILLING REPORT

Date Dec 24 1967Rig# 6 Location DOMA PROVO PANAMA C.A. BETA C.77 Job# 394

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS			FORMATION	OIL	FUEL	WATER
1745	158	1943	7	55M	12	6 3/4	2 3/4	35		36	Full
No.	Size	Type	Size Jct.	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
3	8 3/4	X16	2-14	92178	20	80	296	26			DRILL

MUD	12 Wt.	2 a.m.	4 a.m.	6 a.m.	Additives	At Surveys Degree	MOTOR HOURS	Next Oil Change
WEIGHT	8.7	8.7	8.8	8.9	8000# BCL	1930	1	5954
VISCOSITY	37	40	41	43	50# CMC		3	6257
GEL					10# BENEX		4	
							5	

No. 1	Pressure	No. 2	Pressure	Model	S.P.M.	Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet of	Cut	Feet Left on Spool	Next Slip
1	900	900	900	900	60	60	60	60	17 1/2	75	6	2452		3352	2679
2	60	60	60	60	60	60	60	60							
3	60	60	60	60	60	60	60	60							
4	60	60	60	60	60	60	60	60							
5	60	60	60	60	60	60	60	60							

MUD	8 a.m.	10 a.m.	12 Noon	2 p.m.	Additives	At Surveys Degree	MOTOR HOURS	Next Oil Change
WEIGHT	9.0				CMC-50 BCL		1	5954
VISCOSITY	43						2	6257
GEL							3	
							4	
							5	

No. 1	Pressure	No. 2	Pressure	Model	S.P.M.	Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet of	Cut	Feet Left on Spool	Next Slip
1	900	900	900	900	60	60	60	60	17 1/2	76	6	34	8584	75	3275
2	60	60	60	60	60	60	60	60							
3	60	60	60	60	60	60	60	60							
4	60	60	60	60	60	60	60	60							
5	60	60	60	60	60	60	60	60							

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.	Additives	At Surveys Degree	MOTOR HOURS	Next Oil Change
WEIGHT	9.0	9.0	8.9	9.0	BCL-1000#	2275	1	5951
VISCOSITY	40	38	40	39	CMC-50#		3	6262
GEL					BENEX-14#		4	
							5	

No. 1	Pressure	No. 2	Pressure	Model	S.P.M.	Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet of	Cut	Feet Left on Spool	Next Slip
1	900	900	900	900	60	60	60	60	18	76	6	8584		3275	9167
2	60	60	60	60	60	60	60	60							
3	60	60	60	60	60	60	60	60							
4	60	60	60	60	60	60	60	60							
5	60	60	60	60	60	60	60	60							

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.	Additives	At Surveys Degree	MOTOR HOURS	Next Oil Change
WEIGHT	9.0	9.0	8.9	9.0	BCL-1000#	2275	1	5951
VISCOSITY	40	38	40	39	CMC-50#		3	6262
GEL					BENEX-14#		4	
							5	

Stands	1594.60	DRILL SERVICE
Singles		DRILL 8 3/4 HOLE
D. Collars		SURVEY
Other Ft.		REPAIR mud line
C.B. Ft.		DRILL
Subs. Ft.		
Feet Up On Kelly		
TOTAL		

Company Time	Cont. Time
13:00	13:15
13:15	7:00
7:00	7:15
7:15	7:45
7:45	8:00

Stands	1471.22	Pig Service + B.P. Check
Singles		DRILL 8 3/4 hole
D. Collars		HOIST - Run in 3 collars +
Other Ft.		Pick up 4 collars
C.B. Ft.		Shift + cut D/LINE
Subs. Ft.		Run in
Feet Up On Kelly		Clean in To Btm
TOTAL		DRILL 8 3/4 hole

Company Time	Cont. Time
8:00	8:15
8:15	10:00
10:00	12:00
12:00	12:45
12:45	1:15
1:15	2:00
2:00	4:00

Stands	1748.23	Pig SER
Singles		DRILL 8 3/4 HOLE
D. Collars		SURVEY
Other Ft.		DRILL
C.B. Ft.		
Subs. Ft.		
Feet Up On Kelly		
TOTAL		

Company Time	Cont. Time
4:00	4:15
4:15	10:45
10:45	11:00
11:00	12:00

Company Time	Cont. Time
11:00	12:00

Totco Ring on Bit No.

D.P. Caliper Date

Results

Boiler in Operation

Toolpusher

Approved by

B.O.P. Test-Operated

Time

Results

CAN-TEX DRILLING & EXPLORATION LTD.

DAILY DRILLING REPORT

Date DEC 25 1967

Rig# 6 Location DOME PROVO PANAMA C.A. 25 Job# 394

From		Footage		To	Mrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FORMATION		OIL	FUEL		WATER		REMARKS		ms		
No.	Size	Type	Size Jct.	Serial No.	Weight	R.P.M.	Fe. Drilled	Mrs.	Feet Reamed	Mrs.	CONDITION	D. Collars	Other Ft.	C.B. Ft.	Subs. Ft.	Fe. Up On Kelly	TOTAL	Start	Stop	Interval		
1147	314	1460	5	50m	12	6 3/4	28	35				110324						WOC & MIX MUD	12 00	2 30	2 1/2	
																			2 30	4 30	2	
																			4 30	4 45	1/4	
																			4 45	7 30	2 3/4	
																			7 30	7 45	1/4	
																			7 45	8 00	1/4	

From		Footage		To	Mrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FORMATION		OIL	FUEL		WATER		REMARKS		ms		
No.	Size	Type	Size Jct.	Serial No.	Weight	R.P.M.	Fe. Drilled	Mrs.	Feet Reamed	Mrs.	CONDITION	D. Collars	Other Ft.	C.B. Ft.	Subs. Ft.	Fe. Up On Kelly	TOTAL	Start	Stop	Interval		
1461	182	1643	7 3/4	50m	12	6 3/4	28	35				124681						RIC SERVICE & ROP	8 00	8 15	1/4	
																			8 15	4 40	7 3/4	

From		Footage		To	Mrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FORMATION		OIL	FUEL		WATER		REMARKS		ms		
No.	Size	Type	Size Jct.	Serial No.	Weight	R.P.M.	Fe. Drilled	Mrs.	Feet Reamed	Mrs.	CONDITION	D. Collars	Other Ft.	C.B. Ft.	Subs. Ft.	Fe. Up On Kelly	TOTAL	Start	Stop	Interval		
1643	142	1785	6 1/4	53m	12	6 3/4	28	35				137177						RIC SERVICE	4 00	4 15	1/4	
																			4 15	8 00	3 3/4	
																			8 00	8 15	1/4	
																			8 15	10 45	2 1/2	
																			10 45	11 00	1/4	

Totco Ring on Bit No.

D.P. Celipered Date

Results

Boiler in Operation

Toolpusher

B.O.P. Test-Operated

Time

Results

approved by

Date Dec 22 1967

Rig# 6 Location Dome Pt. Road Pt. Barre, Vt. C. 77 Job# 394

REMARKS

Time		
Start	Stop	Interval
2 nd	8 th	8

[illegible]

Compass Time

Can't Time

W.L.		F.C.		D.H.		STANDARDS								
From	Foolage	To	Hrs. on Bottom	Wt. Drill Str. (1000 lbs.)	DRILL COLLARS		FORMATION	OIL	STANDARDS					
				No.	O.D.	I.D.	Wgt.	FUEL	45"					
								WATER	Full					
BIT	No.	Type	Size Jars	Serial No.	W. ght	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION	D. Collars		
	1	Press Test Pipe Rammer	1000 psi	15 min	-OK							335 N		
	2	" " Hydral	1000 psi	15 min	-OK							335 N		
	3	Press Test Shear Jointer	1122	OK	Press Test Jointer @ 1147-1150 psi - OK							335 N		
MUD		9 a.m.	10 a.m.	12 Noon	2 p.m.	Address	At Surveys Degree	MOTOR HOURS		Next On Change	Subs. Ft.			
WEIGHT		Checked Water Shut off? OK.						3994			Ft. on Kelly			
VISCOSITY								2	6235		Ft. on Kelly			
GEL								3			Ft. on Kelly			
								4			TOTAL			
								5						
PUMPS	No. 1	Pressure			Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet Or	Cut	Feet Lost on Spool	Next Slip
	Model	S.P.M. <td>Liner Size <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </td>	Liner Size <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>											
	No. 2	Pressure <td colspan="2"></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>												
	Model	S.P.M. <td>Liner Size <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </td>	Liner Size <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>											
General: Change oil & filter on Reg. Night Shift														

Company Time

Cont'r Time

From		Footage		To	Mts. on Bottom	Wt. Drill String (1320 lbs.)		DRILL COLLARS			FORMATION		OIL	Stands
1145'		2		1147'	1/4			No.	O.D.	I.D.	Wgt.	FUEL	796.3	
								12	6 1/4	3 3/4		WATER	Singles	
R P O I L S	No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Mrs.	Feet Reamed	Mrs.	CONDITION	D. Collar	
													335.4	
													Other Ft.	
													C.B. Ft.	
MUD		4 p.m.	11 p.m.	2 p.m.	13 p.m.	Additives			At Surveys Degree		MOTOR HOURS		Next Oil Change	
WEIGHT						GEL - 7000 #					1	5955	Subs. Ft.	
VISCOSITY						BENNEY - 24F					2	6230	Ft. Up Oil Kelly 281	
GEL						ALG-STICK					3		TOTAL	
						PIKSEL 60 GAL					4		1147	
											5			
D U M P S	No. 1	Pressure				Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or	Cur	Feet Lost on Spool
	Model	P.M.												Next Spool
		Liner Size												
	No. 2	Pressure												
Model		P.M.				General								
W.L.		F.C.		P.H.										

2

Company Time

W.O.E.

PRESSURE UP PIPE ROPS 400

TO 1000' OK

PRESSURE UP HYDRAIL TO

1000' OK

DRILL OUT FLOAT + CEMENT

PRESSURE UP ON SHOE JOINT

TO 800' OK

DRILL OUT SHOE

PRESSURE UP ON FORMATION LOGS

DUMP CEMENT OUT MUD + DISPLACE

HOLES TO WATER.

MUD UP

Cont. Time

Сот. СЛ. ЛИН

Comm Time

Totco Ring on Bit No.

D.P. Calibrated Date

Results

Boiler in Operation 11/11/52

Toalpusher

B.O.P. Test-Operated

Time

Results

CAN-TEX DRILLING & EXPLORATION LTD.

DAILY DRILLING REPORT

Date Dec 31 1967Rig# 6 Location Perm. Bone Pattern (White C-77) Job# 3911

From Footage To															Hrs. on Bottom		Wt. Drill String (1000 lbs.)		DRILL COLLARS			FORMATION		OIL		Stands		REMARKS	Start	Time Stop	Interval	
1145 TO															9 5/8 Csg landed @ 1145'							60"				R.U. to Csg. Csg.	12:00	12:50	1/4			
																				FUEL		Singles		12:50	1:00		1					
																				WATER		Full		D. Collars		1:00	1:15	1/4				
																								Other Ft.		1:15	1:30	1/4				
																								C.B. Ft.		1:30	1:45	1/4				
																								Subs. Ft.		1:45	2:00	1/4				
																								Ft. Up On Kelly		2:00	2:15	1/4				
																								TOTAL		2:15	2:30	1/4				
MUD															12 a.m.		4 a.m.		Additives		At Surveys Degree		MOTOR HOURS		Next Oil Change							
WEIGHT																							1		2:30-4							
VISCOSITY																							2		6210							
GEL																							3									
No. 1 Pressure																							4									
Model																							5									
Liner Size																																
No. 2 Pressure																																
Model																																
Liner Size																																
W.L.															F.C.		P.H.															
From Footage To															Hrs. on Bottom		Wt. Drill String (1000 lbs.)		DRILL COLLARS			FORMATION		OIL		Stands		REMARKS	Start	Time Stop	Interval	
1145																						54"				W.O.C.	4:00	4:00	8			
																						FUEL		Singles			4:00	4:00	8			
																						WATER		Full		D. Collars		4:00	4:00	8		
																										Other Ft.		4:00	4:00	8		
																										C.B. Ft.		4:00	4:00	8		
																										Subs. Ft.		4:00	4:00	8		
																										Ft. Up On Kelly		4:00	4:00	8		
																										TOTAL		4:00	4:00	8		
MUD															8 a.m.		10 a.m.		12 Noon		2 p.m.		Additives		At Surveys Degree		MOTOR HOURS		Next Oil Change			
WEIGHT																									1		5:55					
VISCOSITY																									2		5:55					
GEL																									3							
No. 1 Pressure																									4							
Model																									5							
Liner Size																																
No. 2 Pressure																																
Model																																
Liner Size																																
W.L.															F.C.		P.H.															
From Footage To															Hrs. on Bottom		Wt. Drill String (1000 lbs.)		DRILL COLLARS			FORMATION		OIL		Stands		REMARKS	Start	Time Stop	Interval	
1145																						54"				W.O.C.	4:00	4:00	8			
																						FUEL		Singles			4:00	4:00	8			
																						WATER		Full		D. Collars		4:00	4:00	8		
																										Other Ft.		4:00	4:00	8		
																										C.B. Ft.		4:00	4:00	8		
																										Subs. Ft.		4:00	4:00	8		
																										Ft. Up On Kelly		4:00	4:00	8		
																										TOTAL		4:00	4:00	8		
MUD															4 p.m.		6 p.m.		8 p.m.		10 p.m.		Additives		At Surveys Degree		MOTOR HOURS		Next Oil Change			
WEIGHT																									1		5:55					
VISCOSITY																									2		6215					
GEL																									3							
No. 1 Pressure																									4							
Model																									5							
Liner Size																																
No. 2 Pressure																																
Model																																
Liner Size																																
W.L.															F.C.		P.H.															

Total Ring on Bit No.

D.P. Caliper Date

Results

Boiler in Operation

Toolpusher

B.O.P. Test-Operated

Time

Result

Approved by

CAN-TEX DRILLING & EXPLORATION LTD.

DAILY DRILLING REPORT

Date DEC 20 1967Rig# 6 Location DOME PROUD PAM, CALIFORNIA C77 Job# 39H

From		Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FORMATION		OIL	WATER	Stands	REMARKS	Start	Stop	Interval
No.	Size	Type	Size Jct.	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION	D. Collars	Other Ft.	C.B. Ft.				
1117	27	1144	1	50	11	63	23	25				71"	34	76596	CIR TO RUN CASING	12:00	8:00	8
MUD: 12 Hr. 2 a.m. 4 a.m. 6 a.m. Additives WEIGHT: 91 91 91 91 VISCOSITY: 87 97 98 89 GEL: 350 350 At Surveys Degree: 1100 2 MOTOR HOURS: 1 5959 2 6197 3 4 5 Next Oil Change: 1117																		
U.M.S. No. 1 Pre-sure 350 350 Model S.P.M. No. 2 Pre-sure Model S.P.M. Liner Size General																		
W.L. F.C. pH. Company Time Cont'r Time																		

From		Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FORMATION		OIL	WATER	Stands	REMARKS	Start	Stop	Interval
No.	Size	Type	Size Jct.	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION	D. Collars	Other Ft.	C.B. Ft.				
1117	27	1144	1	50	11	63	23	25				68"	11	73524	CIR TO RUN CASING	8:00		
MUD: 8 a.m. 10 a.m. 12 Noon 2 p.m. Additives WEIGHT: 91 91 91 91 VISCOSITY: 80 81 80 79 GEL: 350 350 At Surveys Degree: 5956 MOTOR HOURS: 1 5956 2 6201 3 4 5 Next Oil Change: 1144																		
U.M.S. No. 1 Pre-sure 350 350 Model S.P.M. No. 2 Pre-sure Model S.P.M. Liner Size General																		
W.L. F.C. pH. Company Time Cont'r Time																		

From		Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FORMATION		OIL	WATER	Stands	REMARKS	Start	Stop	Interval
No.	Size	Type	Size Jct.	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION	D. Collars	Other Ft.	C.B. Ft.				
1144	27	1144	1	50	11	63	23	25				68"	11	73524	CIR TO RUN CASING	8:00		
MUD: 8 a.m. 10 a.m. 12 Noon 2 p.m. Additives WEIGHT: 91 91 91 91 VISCOSITY: 80 81 80 79 GEL: 350 350 At Surveys Degree: 5956 MOTOR HOURS: 1 5956 2 6201 3 4 5 Next Oil Change: 1144																		
U.M.S. No. 1 Pre-sure 350 350 Model S.P.M. No. 2 Pre-sure Model S.P.M. Liner Size General																		
W.L. F.C. pH. Company Time Cont'r Time																		

Tefco Ring on Bit No. _____ D.P. Caliper Date _____

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

Results _____

Results _____

Boiler in Operation 7/16

Toolpusher _____

Approved by _____

CAN-TEX DRILLING & EXPLORATION LTD.

DAILY DRILLING REPORT

Date Dec 19 1967Rig# 6Location Dome Provo Pan Am Cat Beta C77 Job# 394

REMARKS

Start Time Interval

Rig#	Location											Stands
From	Footage	To	Mrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FORMATION		OIL	6
812	92	904	24		No.	O.D.	I.D.	Wgt.		FUEL	41"	Singles
442	370	812	54	42 M	11	83 1/4	28	25		WATER	Full	52392
BITS	No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Feet Drilled	Mrs.	Feet Reamed	Mrs.	CONDITION
	2	12 1/4	OSC3	CONV	44971RD	10	90	92	24	512	8	307.43
						25						Other Ft.
												2.87
												C.B. Ft.

MUD	12 Mn.	2 a.m.	4 a.m.	6 a.m.	Additives	At Surveys Degree	MOTOR HOURS	Next Oil Change
WEIGHT	88	88	88	89			1 5958	
VISCOSITY	30	50	51	54			2 6183	
GEL							3	
							4	
							5	
No. 1	Pressure	250	250	300	350			
Model	S.P.M.	56			56			
Liner Size		7 1/4						
No. 2	Pressure							
Model	S.P.M.							
Liner Size		6"						

From		Footage		To	Mrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FORMATION		OIL	Stands	
							No.	O.D.	I.D.	Wgt.			FUEL	38"	
904		220		1117	5 3/4	45 M	11	6 1/2	2 1/2	25			WATER	Full	73594
															307
No.		Size		Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Mrs.	Feet. Ignored	Mrs.	CONDITION		D. Collars
2		12 1/4		OSC3	GENU	44971RD	25	90	303	4					3074
															Other Ft.
															28
															1/2 B. Ft.
At Survey Degree										MOTOR HOURS		Next Oil Change		Subs. 20	

MUD	8 a.m.	10 a.m.	12 Noon	2 p.m.	Additives	At Surveys Degree	MOTOR HOURS	Next Oil Change
WEIGHT	89	89	89	90	1100 C.L.L.	1100	1 5958	
VISCOSITY	53	43	53	75	NO SAK SANDUST		2 6188	
GEL							3	
							4	
							5	
No. 1	Pressure	350	350	400	400	Carotic 200		
Model	S.P.M.	56	56	57	57			
Liner Size		7 1/4	7 1/4	7 1/4	7 1/4			
No. 2	Pressure							
Model	S.P.M.							
Liner Size								

From		Footage		To	Mrs. on Bottom	Wt. Drill String (1000 lbs.)		DRILL COLLARS				FORMATION		OIL		Stands		
								No.	O.D.	I.D.	Wgt.			FUEL		735		
														WATER		Singles		
1117																30		
												Mrs.	Feet Reamed	Mrs.	CONDITION	D. Collars		
BITS	No.	Size	Type	Size Jaws	Serial No.	Weight		R.P.M.		Fl. Drilled						307		
	12 1/4	OSC3	CONV	44971RD						365		8	512	8		Other Fl.		
																C.B. Fl.		
												At Surveys Degree		MOTOR HOURS		Next Oil Change		

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.	Additives	At Surveys Degree	MOTOR HOURS	Next Oil Change
WEIGHT	91	91					1 5958	
VISCOSITY	110	80					2 6193	
GEL							3	
							4	
							5	
No. 1	Pressure	350						
Model	S.P.M.	50						
Liner Size		7 1/4						
No. 2	Pressure							
Model	S.P.M.							
Liner Size								

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

From	Footage
------	---------

Date Dec 12 1962

Fig# 6 Location DOME PPAU-PAN AM CALIBETA C 77 Job# 394

REMARKS

Time		
Start	Stop	Interval

Mix mud & ~~lose~~ dirt?
Saw dust
Well blew in
bleed off to floor pit
mix mud & lose dirt
material

[illegible]

Company Time	Cost's Time			
MIX MUD PAIL	LOSE CIR	800		
WATERAL 20 KILLWELL			300	7
HAIST		300	400	1

[illegible][illegible]

Company Time	Cont. Time
0	0
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
14	14
15	15
16	16
17	17
18	18
19	19
20	20
21	21
22	22
23	23
24	24
25	25
26	26
27	27
28	28
29	29
30	30
31	31
32	32
33	33
34	34
35	35
36	36
37	37
38	38
39	39
40	40
41	41
42	42
43	43
44	44
45	45
46	46
47	47
48	48
49	49
50	50
51	51
52	52
53	53
54	54
55	55
56	56
57	57
58	58
59	59
60	60
61	61
62	62
63	63
64	64
65	65
66	66
67	67
68	68
69	69
70	70
71	71
72	72
73	73
74	74
75	75
76	76
77	77
78	78
79	79
80	80
81	81
82	82
83	83
84	84
85	85
86	86
87	87
88	88
89	89
90	90
91	91
92	92
93	93
94	94
95	95
96	96
97	97
98	98
99	99
100	100

4	End of 12/24 kit	5 ⁰⁰	930	4
	Room 2 Volume	5 ⁰⁰	930	4
	Room 3 1/4 Hole to 12/24	9 ³⁰	12 ⁰⁰	

7

Company Time Gunter Time

1944

1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 26

Company Time

Conto Time

100

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1970-1971

10

Date Dec 17 1967

Fig # 6 Location Dome Pravo Pan AM C-1 BETA CM Job # 394

From		Footage	To	Mts. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FORMATION	OIL	STANDS
						No.	O.D.	I.D.	Wgt.		FUEL	67"
											WATER	
300		158	458	3 1/2	42M	12	6 3/4	2 3/8	32			12357
BITS	No.	Size	Type	Size Jct.	Serial No.	Weight	R.P.M.	Feet Drilled	Mts.	Feet Reamed	Mts.	CONDITION
	1	8 3/4	OSC 3	EXTANT	86992	25	90	158	3			33529
												Other Ft.
												C.B. Ft.
												Subl. Ft.
												Ft. Up On Kelly 41
												TOTAL 452
												Next Slip
												</

Total Ring on Bit No.

D. A. Calipered Date

Results

Boiler - In Operation - 11-61

Two gasket

S.O.P. Test-Operated

פרק 4

... 2000 ...

ACKNOWLEDGEMENTS

CAN-TEX DRILLING & EXPLORATION LTD.

DAILY DRILLING REPORT

Date Dec 16 1967Rig# 6 Location Daniel Boone Pan Am C-41 BETA C-77 Job# 394

REMARKS

From		Footage		To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FORMATION		OIL		Stands		Start	Time Stop	Interval					
No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION	D. Collars	Other Ft.	C.B. Ft.	Subs. Ft.	Ft. Up On Kelly				TOTAL				
300							No. 1 8	O.D. 7	I.D. 2 7/8	Wgt. 20				FUEL 44"		W.O.C.	1200	800	8					
MUD																			At Surveys Degree		MOTOR HOURS		Next Oil Change	
WEIGHT																					1		5958	
VISCOSITY																					2		6133	
GEL																					3			
No. 1 Pressure																					4			
Model S.P.M.																					5			
Liner Size																								
No. 2 Pressure																								
Model S.P.M.																								
Liner Size																								
W.L.																			F.C.		pH			
Company Time																			Cont'r Time					
W.O.C.																			800		400		8	
Wait on Well & well																								
to level & flow nipple																								
MUD																			At Surveys Degree		MOTOR HOURS		Next Oil Change	
WEIGHT																					1		5958	
VISCOSITY																					2		6142	
GEL																					3			
No. 1 Pressure																					4			
Model S.P.M.																					5			
Liner Size																								
No. 2 Pressure																								
Model S.P.M.																								
Liner Size																								
W.L.																			F.C.		pH			
Company Time																			Cont'r Time					
W.O.C.																			500		530		1 1/2	
Nipple up Hydrill. and																					530			
REBUILD DRILLING NIPPLE																					1030		5	
Run in W, 12 1/2 B.T																					1030		11 00 1/2	
Pressure Hydrill to 1000 lbs																					11 00		11 15 1/4	
DRILL on FLOAT																					11 15		12 00 3/4	
MUD																			At Surveys Degree		MOTOR HOURS		Next Oil Change	
WEIGHT																					1		5954	
VISCOSITY																					2		6146	
GEL																					3			
No. 1 Pressure																					4			
Model S.P.M.																					5			
Liner Size																								
No. 2 Pressure																								
Model S.P.M.																								
Liner Size																								
W.L.																			F.C.		pH			
Company Time																			Cont'r Time					

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

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

CAN-TEX DRILLING & EXPLORATION LTD.

DAILY DRILLING REPORT

Rig# 6 Location DAME LAKE PANAMA CANAL C77 Job# 394Date Dec 15 1967

From		Footage		To		Hrs. on Bottom		Wt. Drill String (1000 lbs.)		DRILL COLLARS				FORMATION		OIL		Stands		REMARKS			
193		107		300		5		34m		No. 8		O.D. 2 1/2		I.D. 2 1/4		Wgt. 20m		FUEL 50"					
No. 1		Size		Type		Size Jets		Serial No.		Weight		R.P.M.		Ft. Drilled		Hrs.		Feet Reamed		Hrs.		CONDITION	
1A		17 1/2		OSC3		CON		ML267		10-15		120		300		11 1/4							
MUD		12 M.		2 a.m.		4 a.m.		6 a.m.		Additives		At Surveys Degree		MOTOR HOURS		Next Oil Change		C.B. Ft.					
WEIGHT		65		55		70		135		GEL 2300		275		1		1 5955		Subs. Ft.					
VISCOSITY		65		55		70		135								2 6136		Ft. Up On Kelly					
GEL																3		TOTAL					
No. 1		Pressure		400		400		450		Size		TRIPS		No. Lines		TON MILES		TOTAL MILES					
Model		S.P.M.		60						Slip		Feet		Cut		Feet Left on Spool		Next Slip					
No. 2		Pressure								General													
Model		S.P.M.																					
Liner Size																							
W.L.		F.C.		pH																			
From		Footage		To		Hrs. on Bottom		Wt. Drill String (1000 lbs.)		DRILL COLLARS				FORMATION		OIL		Stands		Company Time			
																				Cont'r Time			
300										No. 8		O.D. 2 1/2		I.D. 2 1/4		Wgt. 20m		FUEL 49"					
No. 1		Size		Type		Size Jets		Serial No.		Weight		R.P.M.		Ft. Drilled		Hrs.		Feet Reamed		Hrs.		CONDITION	
1A		17 1/2		OSC3		CON		ML267		300		11 1/4											
MUD		8 a.m.		10 a.m.		12 Noon		2 p.m.		Additives		At Surveys Degree		MOTOR HOURS		Next Oil Change		C.B. Ft.					
WEIGHT		135												1 5956		Subs. Ft.							
VISCOSITY		135												2 6130		Ft. Up On Kelly							
GEL		450		60										3		TOTAL							
No. 1		Pressure		450		60				Size		TRIPS		No. Lines		TON MILES		TOTAL MILES					
Model		S.F.M.		60						Slip		Feet		Cut		Feet Left on Spool		Next Slip					
No. 2		Pressure								General													
Model		S.P.M.																					
Liner Size																							
W.L.		F.C.		pH																			
From		Footage		To		Hrs. on Bottom		Wt. Drill String (1000 lbs.)		DRILL COLLARS				FORMATION		OIL		Stands		Company Time			
																				Cont'r Time			
300										No. 8		O.D. 2 1/2		I.D. 2 1/4		Wgt. 20m		FUEL 49"					
No. 1		Size		Type		Size Jets		Serial No.		Weight		R.P.M.		Ft. Drilled		Hrs.		Feet Reamed		Hrs.		CONDITION	
1A		17 1/2		OSC3		CON		ML267		300		11 1/4											
MUD		8 a.m.		10 a.m.		12 Noon		2 p.m.		Additives		At Surveys Degree		MOTOR HOURS		Next Oil Change		C.B. Ft.					
WEIGHT		135												1 5956		Subs. Ft.							
VISCOSITY		135												2 6130		Ft. Up On Kelly							
GEL		450		60										3		TOTAL							
No. 1		Pressure		450		60				Size		TRIPS		No. Lines		TON MILES		TOTAL MILES					
Model		S.F.M.		60						Slip		Feet		Cut		Feet Left on Spool		Next Slip					
No. 2		Pressure								General													
Model		S.P.M.																					
Liner Size																							
W.L.		F.C.		pH																			
From		Footage		To		Hrs. on Bottom		Wt. Drill String (1000 lbs.)		DRILL COLLARS				FORMATION		OIL		Stands		Company Time			
																				Cont'r Time			
300										No. 8		O.D. 2 1/2		I.D. 2 1/4		Wgt. 20m		FUEL 49"					
No. 1		Size		Type		Size Jets		Serial No.		Weight		R.P.M.		Ft. Drilled		Hrs.		Feet Reamed		Hrs.		CONDITION	
1A		17 1/2		OSC3		CON		ML267		300		11 1/4											
MUD		4 p.m.		6 p.m.		8 p.m.		10 p.m.		Additives		At Surveys Degree		MOTOR HOURS		Next Oil Change		C.B. Ft.					
WEIGHT		135												1 5956		Subs. Ft.							
VISCOSITY		135												2 6133		Ft. Up On Kelly							
GEL		450		60										3		TOTAL							
No. 1		Pressure		450		60				Size		TRIPS		No. Lines		TON MILES		TOTAL MILES					
Model		S.P.M.		60						Slip		Feet		Cut		Feet Left on Spool		Next Slip					
No. 2		Pressure								General													
Model		S.P.M.																					
Liner Size																							
W.L.		F.C.		pH																			

Totco Ring on Bit No.

D.P. Caliper Date

Results

Boiler in Operation

Toolpusher

Approved by

B.O.P. Test-Operated

Time

Results

CAN-TEX DRILLING & EXPLORATION LTD.

DAILY DRILLING REPORT

Rig# 6 Location Dama Bravo Pan Am CELARITA C77 Job# 394

Date Dec 14 1967

From		Footage		To		Hrs. on Bottom		Wt. Drill String (1000 lbs.)		DRILL COLLARS				FORMATION		OIL		Stands		REMARKS			Time										
										No.	O.D.	I.D.	Wgt.										Start	Stop	Interval								
B		No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION																				
S																																	
MUD		12 Mn	2 a.m.	4 a.m.	6 a.m.	Additives				At Surveys Degree				MOTOR HOURS		Next Oil Change																	
WEIGHT																																	
VISCOSITY																																	
GEL																																	
P		No. 1	Pressure																														
U		Model	S.P.M.																														
M		Liner Size																															
S		No. 2	Pressure																														
Model		S.P.M.																															
Liner Size																																	
General																																	
W.L.																																	
F.C.																																	
pH.																																	
From		Footage		To		Hrs. on Bottom		Wt. Drill String (1000 lbs.)		DRILL COLLARS				FORMATION		OIL		Stands		Company Time			Cont'r Time										
										No.	O.D.	I.D.	Wgt.																				
B		No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION																				
S																																	
MUD		8 a.m.	10 a.m.	12 Noon	2 p.m.	Additives				At Surveys Degree				MOTOR HOURS		Next Oil Change																	
WEIGHT																																	
VISCOSITY																																	
GEL																																	
P		No. 1	Pressure																														
U		Model	S.P.M.																														
M		Liner Size																															
S		No. 2	Pressure																														
Model		S.P.M.																															
Liner Size																																	
General																																	
W.L.																																	
F.C.																																	
pH.																																	
From		Footage		To		Hrs. on Bottom		Wt. Drill String (1000 lbs.)		DRILL COLLARS				FORMATION		OIL		Stands		Company Time			Cont'r Time										
										No.	O.D.	I.D.	Wgt.																				
B		No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION																				
S																																	
MUD		4 p.m.	6 p.m.	8 p.m.	10 p.m.	Additives				At Surveys Degree				MOTOR HOURS		Next Oil Change																	
WEIGHT																																	
VISCOSITY																																	
GEL																																	
P		No. 1	Pressure																														
U		Model	S.P.M.																														
M		Liner Size																															
S		No. 2	Pressure																														
Model		S.P.M.																															
Liner Size																																	
General																																	
W.L.																																	
F.C.																																	
pH.																																	
From		Footage		To		Hrs. on Bottom		Wt. Drill String (1000 lbs.)		DRILL COLLARS				FORMATION		OIL		Stands		Company Time			Cont'r Time										
										No.	O.D.	I.D.	Wgt.																				
B		No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION																				
S																																	
MUD		4 p.m.	6 p.m.	8 p.m.	10 p.m.	Additives				At Surveys Degree				MOTOR HOURS		Next Oil Change																	
WEIGHT																																	
VISCOSITY																																	
GEL																																	
P		No. 1	Pressure																														
U		Model	S.P.M.																														
M		Liner Size																															
S		No. 2	Pressure																														
Model		S.P.M.																															
Liner Size																																	
General																																	
W.L.																																	
F.C.																																	
pH.																																	

Totco Ring on Bit No.

D.P. Caliper Date

Results

Boiler in Operation

Toolpusher

Approved by

B.O.P. Test-Operated

Time

Results

Toolpusher

Approved by