Union Pan Am Trainor O-72

Drilling Authority No. 339
Date Issued 3 January 1969

WELL NAME Union Pan Am Trainor O-72
FIELD Wildcat Area:
LOCATION: Unit O Section 72 Grid 60-00, 120-00
Latitude 60-11-48 Longitude 120-13-30
From Established Reference Marker Shot Point 98, Line F

U.W.I. 60.19666 -- 120.23056
U.W.I. 3000726020120000

Rig Release Date:
Status
Information Release Date

CHANGE OF NAME:

DATE RECEIVED	INDEX
3-1-69	Application for a Drilling Authority.
	Well Completion Data.
	Well History Report.
	Application to Amend a Drilling Authority.
	Application to change a Well Name.
17/3/69	Application to Abandon a Well or Suspend Drilling.
	Application to Alter Condition of a Well.
	Well History Supplement.
	Well Completion Data.
	Work-over Report No.
	Application to Commingle Production before Measurement.
	Data for Back Pressure Test on Natural Gas Wells — Monograph 7 Method.
	Data for Back Pressure Test on Natural Gas Wells — Vitter's Method.
	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

NANR 50-90 (7-65)

Drilling Authority No. Jan. 3rd, 1969
Date Issued

CANADA

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 Union Pan Am Trainor O-72

Previous Licensee Canadian Petroleum Corporation — Lease No. N/A
Home Oil Company of Canada Limited — Lease No. 1200 and 1212

Previous Licensee Union Oil Company of Canada Limited — Exploratory Licence No. 1212

(Operator) O — Exploratory Licence No. 71

Location: Unit 60°20'N, 120°00'W

Section 60°11'48"N. 120°13'60"W.

Latitude SP 98, Liard (Pan Am's Survey 1968)

From Established Reference Marker 60.19666° N. Lat. 120.23056° W. Long.

Universal Well Location Reference N/A

	DATE	DEPTH
Spudded	Jan. 19/69	0
Suspended	N/A	
Resumed Operations	Feb. 25/69	7130
Finished Drilling	N/A	
Deepened	N/A	
Complete (gas/oil)	Mar. 1/69	7130
Abandoned	Mar. 1/69	
Rig released		

Pool(s) N/A

Interval(s) open to production

2045 — 2057

Elevation: G.L. ..... K.B. .....

Rig No. Cascade Drilling

Drilling Contractor A 11266

Contractor's Business Licence No.

CASING RECORD

Outside Diameter (inches)	Size	Weight	Feet	From - To	Type of Cement and Additives
1.					½ lf/bbl. sel flake
2.					(in last 350 sacks)
3.					
4.					
5.					
6.					

From E-Log

GEOLOGICAL TOPS	ELEVATION	
Banff-Mississippian	5826	-4231
Kotcho	2448	-391
Utahn	3918	-1861
Fort Simpson	3951	-1894
Slave Point	5692	-3635
Elk Point	5849	-3792
Presquille	5995	-3938
Pine Point (or Keg River)	6356	-4299
Chinchaga	6660	-4603
Red Beds	6790	-4733
Pre-Devonian, Quartzite	6862	-4805
T.D.	7130	-5073

CORE RECORD

			From	To	Rec.
5823	5887	60			

LOG RECORD

Run No.	Formation Density	From	To
	Caliper	7126	764
1	Dual Induction Laterolog	7124	762
1	BHC-Sonic Log Caliper-Gamma Ray-Compensated	7125	762

CEMENTING RECORD (Plug, Squeeze, etc.)

Date	From	To	Remarks
Feb.28/69	6050'	5925	80 sax + 2% Gel Felt at 5921'
Feb.28/69	5850	5750	80 sax + 2% Gel Felt at 5720'
Mar.1/69	817	717	55 sax + 2½% $CaCl_2$ Felt at 715'
Mar.1/69	Surface	Plug	5 sax. Welded on steel plate, Identification Riser and Name Plate.

PERFORATING RECORD (Bullet, Jet)

Date	From	To	Remarks
N/A			

SERVICING RECORD (Acidizing, Fracing, etc.)

Date	From	To	Remarks
N/A			

DRILL STEM TESTS

No.	Date	Formation	From	To	V.O. Mins.	I.S.I. Mins.	F.S.I. Mins.	I.S.I.B.H.P.	F.S.I.B.H.P.	I.F.B.H.P.	F.F.B.H.P.	I.H.P.	F.H.P.	REMARKS
1	Feb.16/69	Upper Elk Point	5848	5892	60	60	60	2153	2145	147	229	2822	2817	Weak air blow decreasing to dead at end. Rec: 125' Drilling mud + 300' muddy black Sulphurous salt water. (50,000 ppm Cl)
2	Feb.17/69	Presqu'ile	5975	6027	60	60	60	2214	2218	1877	2216	2869	2856	Good air blow. Rec: 815' water cut mud plus 3810' slightly muddy salt water.
3	Feb.27/69	Slave Point	5690	5825	90	60	90	2085	2084	119	165	2723	2704	Gas to surface in 7 mins. Increased to steady rate of 60 mcfd. Rec: 570' black salty sulphurous mud.

ANALYSIS

Lab. No.	Sample	From	To	Source	Remarks
CBH-2-4274	Water	5848	5892	DST #1	Water from bottom of recovery
CBH-1-1417	Gas (2)	5690	5825	DST #3	Flare line gas.
CBH-2-4356	Water	5690	5825	DST #3	Water Ex MFE tool
CBH-2-4434	Water	5690	5825	DST #3	Water from bottom of recovery
" "	Mud Filtrate	5690	5825	DST #3	
CBH-2-4303	Water	5975	6027	DST #2	Water Ex MFE tool

PRESENT STATUS OF WELL

Oil		N/A (Interval)
Gas		N/A (Interval)
Dry		Abandoned
Susp.		

Company Union Oil Company of Canada Limited

Signed by

Title Drilling Engineer

Date March 26th 1969

Forms to be prepared in duplicate and forwarded to the Oil Conservation Engineer, Calgary, Alberta.

C.M.R./la

File No. .....
Drilling Authority No. .....339.....

CANADA

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT

RESOURCE MANAGEMENT DIVISION

WELL-SITE INSPECTION REPORT

FROM: Field Office or Area: Calgary, Alberta. Date: 13th February 1969

TO: The Oil Conservation Engineer:

RE: Union Pan Am Prairel G-72

Location. 60°11'48" N., 120°33'30" W. Status: Drilling at 5761'

This location was inspected by the undersigned on 12th February 1969

The location is in satisfactory/unsatisfactory condition.

The following items require attention:

1. Ground wire connection at light plant to be fitted with a clamp.
2. Vapour-proof plug to be installed in doghouse and on floor.
3. Install blind ram hand wheels.
4.
5.
6.

Other comments and recommendations: (Include Map, if necessary for clarity)

Pipe rams and hydril mechanical test satisfactory.

Inspected by [signature]

Original to Oil Conservation Engineer, Dept of IA & ND, Duplicate to Field Office or Inspecting Engineer.
IAND 52-90-14 (3-67)

File No.
Drilling Authority No. 339

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 Union Ian Am Trainor 0-72

Location: Unit J Section 72 Grid 60° 20'N 120° 00'W

Latitude 60° 11' 48" N Longitude 120° 13' 50" W

From Established Reference Marker Shot point 98, Line F, Ian Am's 1968 Seismic

Universal Well Location Reference 60.19666 N. Lat. 120.23056° W. Long.

Permit No. 2696 Lease No.

Ian American Petroleum Corporation & Union Oil Company of Canada Limited
(Operator, Licensee, Lessee)

Date of commencement of proposed program February 28th, 1969.

OIL, GAS, AND WATER ENCOUNTERED
(Depths)

Oil at N/A

Gas at 5690' - 5825' (DST #3) - 60 MCFD.

Water at 5848' - 5892' (DST #1) 5975' - 6027' (DST #2)

Total Depth 7130 Date of last operations March 2, 1969.

Present condition of well Abandoned, verbal approval to abandon obtained Feb. 28, 1969.

CASING RECORD

Casing Size O.D. Inches	Weight	Amount	Set At—	Sacks of Cement and Additives	Amount Pulled
1. 9 5/8	36	774.12'	767.65'	650 + 3% $CaCl_2$ +	Nil
2.				1/4 lb. per bbl. gel	
3.				flake.	
4.					
5.					

PROPOSED ABANDONMENT PROGRAM

Plug No.	Plug Position	Geological Formation	Number of Sacks of Cement	Remarks
1	6050-5925	Pre-Devonian Quartzite, Red Beds, Chinchaga, Keg River, Presquille Elk Point	80	+ 2% Gel, Feel for top.
2	5850-5750	Slave Point	80	+ 2% Gel, Feel for top.
3	817-717	Surface Casing	55	+ 2 1/2% $CaCl_2$, Feel for top.
4	Surface Plug			

The following logs have been run DIL-L, FDC, BH-SGRC.

Other operations proposed Cement top of casing, cut off casing 3' below grd. Weld on cap and weld locating riser with well name plate.

Operations to be carried out by Cascade Drilling Contractor Licence No. A 11266

Address 3112 - 3rd Street S. E. Calgary, Alberta

Responsible Agent in Calgary Mr. W. J. Sullivan, 709 - 8th Avenue S. W., Calgary 2.

Dated at Calgary, this 13th Day of March, 69

Signed [signature] Company Union Oil Company of Canada Limited

Title Operations Superintendent Operator's Exploratory Licence No. 1212

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

CMR/ac

(For RESOURCE MANAGEMENT DIVISION use only)

APPROVAL

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

Confirming oral approval given by Mr. B. W. J. Thoms on the 28th February 1969, including Item No. 4.

Dated 17th March, 19 69. [signature] Oil Conservation Engineer

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

IAND 52-90 (5) (3-67)

Drilling Authority No. 239

Project No.

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 Union Pan Am Trainor O-72

Location: Unit O Section 72 Grid 60° 20'N 120°00'W

Latitude 60° 11' 48" N Longitude 120° 13' 50" W

From Established Reference Marker Shot Point 98, Line F

Universal Well Location Reference 60.19666° N. Lat. 120.23056° W. Long.

Elevation: Ground 2045 K.B. 2060 feet above sea-level.

Well is expected to produce from Slave Point formation at a depth of about 5620 feet. Expected total final depth 6850 feet

Area assigned to well

(For Oil Conservation Engineer's use only)

Permit No. 2696 Lease No. Acreage 63534

Permittee, licensee, or lessee Pan American Petroleum Corporation & Union Oil Company of Canada Limited

Exploratory Licence No. 1200 and 1212

Surface owned by Crown or Crown (If alienated submit name and address of owner and occupant.)

Petroleum and natural gas rights owned by Crown

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

Casing Size O.D. (Inches)	Weight (Lb./Ft.)	Grade	New or Used	Estimated Depth	Sacks of Cement
1. 9 5/8	36.0	J-55	New	800	630
2. 5 1/2	15.5	J-55	New	6850	Circulated 300' above any productive zone.
3.					
4.					
5.					

Expected water, gas, and oil horizons and type of control equipment Mississippian, Slave Point. Control by adequate mud weight and Shaffer BOP and Hydril.

Well will be drilled with Rotary Rig No. 1 by Cascade Drilling Company, Limited (Drilling Contractor or company)

5112 - 3rd St. S.E. Calgary, Alberta

Responsible agent of applicant:— Contractor's Business Licence No. 211266

At well Mr. J.J. Sullivan At registered office Mr. Eric J. Connor

Address 709 - 8th Ave. S.W. Calgary, Alberta Address 709 - 8th Ave. S.W. Calgary, Alberta

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

Dated at Calgary, this 2nd day of January 1969

Signed by E. J. Connor Company Union Oil Company of Canada Limited

Title Operations Superintendent Operator's Licence No. 1212

(For Resource Management Division use only)

APPROVED

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

1. The Company will submit to this office on Tuesday of each week the latest reports received by radio on the progress of the well.
2. We draw your attention to Sections 95 and 96 of the Canada Oil & Gas Land Regulations.

Dated 3rd January 1969 B. H. Toms
Oil Conservation Engineer

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

IAND 52-90-1 (3-67)

UNIQUE WELL IDENTIFIER: 3C007260261230000

UNION PAN-AM
TRAINOR O-72
Lat. 60° 11' 48" N
Long. 120° 13' 50" W

P-2706

60° 10'

120° 15'

WELL HISTORY REPORT

Union Pan Am Trainor 0-72

WELL HISTORY REPORT

Union Pan Am Trainor O-72

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OIL & GAS OPERATIONS UNIT
Oil and Mineral Division
APR 21 1969
OTTAWA, CANADA
Dept. of Indian Affairs & Northern Development

WELL HISTORY REPORT

Section I - SUMMARY OF WELL DATA

(a) Well name and number: Union Pan Am Trainor O-72

(b) Permittees, Licencees or Lessees:

Union Oil Company of Canada Limited
and Pan American Petroleum Corporation.

(c) Name of Operator: Union Oil Company of Canada Limited

(d) Location:

(i) Location: Unit O, Section 72, Grid 60° 20' N. x 120° 00' W.
Lat: 60° 11' 48" N.
Long: 120° 13' 50' W.

(ii) Universal Well Location Ref: 60.19666° N. Lat.
120.23056° W. Long.

(iii) Unique Well Identifier: 3000726020120000.

(e) Co-ordinates: On S.P. 98, Line F of Pan American Petroleum Corporation's Seismic Survey of 1968.

(f) Permit No. - 2696

(g) Drilling Contractor: Cascade Oilwell Drilling Co. Ltd.
Rig No. 1
Type: National 50 Drawworks
Lee C. Moore 131' Mast

(h) Drilling Authority: No. 339
Issued: January 3rd, 1969

(i) Classification: Wildcat

(j) Elevations: Ground: 2045'
KB: 2057'

(k) Spudded: 7:00 A.M., January 19, 1969

(l) Completed Drilling: 9:00 A.M., February 25, 1969

(m) Total Depth: E-Log: 7126', Driller: 7130'

(n) Well Status: Dry and Abandoned.

(o) Rig Released: 11:59 P.M., March 1st, 1969

(p) Hole Size: 13 3/4" to 767', 8 3/4" to 7130'

(q) Casing: 9 5/8" to 767'

Section II - GEOLOGICAL SUMMARY

(a) Formation Tops

NAME OF FORMATION	E-LOG TOPS DEPTH	E-LOG TOPS SUBSEA	SAMPLE TOPS DEPTH	SAMPLE TOPS SUBSEA
Banff-Mississippian	1826	+231	Not Picked	
Kotcho	2448	-391	2472	-415
Utahn	3918	-1861	3982	-1925
Fort Simpson	3951	-1894	4065	-2008
Slave Point	5692	-3635	5750	-3693
Elk Point	5849	-3792	5849	-3792
Presquille	5995	-3938	5980	-3923
Pine Point or (Keg River)	6356	-4299	6355	-4298
Chinchaga	6660	-4603	6675	-4618
Red Beds	6790	-4733	6805	-4748
Pre Devonian Quartzite	6862	-4805	6905	-4848
T.D.	7130	-5073		

(b) Cored Intervals

INTERVALS	FOOTAGE CORED	FORMATION	RECOVERY, FT.
5827 - 5887	60	Slave Point Elk Point	60

(c) (1) Core Description

CORE DESCRIPTION

UNION PAN AM Trainor 0-72

Core No. 1 -- 5827 5887. 60 feet, full recovery.

5827.00 - 5834.39 -- Limestone, medium brown, crypto-crystalline, sub-lithographic, slightly argillaceous. Occasional black clay partings and stylolites.

5834.39 - 5834.81 -- Limestone, dark brown, crypto-crystalline, sub-lithographic, argillaceous. Intimately interbedded with black clay.

5834.81 - 5837.77 -- Limestone, dark brown as above with occasional black clay partings and stylolites.

5837.77 - 5838.11 -- Limestone as above, intimately interbedded with black, calcareous, slickensided clay.

5838.11 - 5847.30 -- Limestone, medium brown, crypto-crystalline, sub-lithographic, slightly argillaceous. Occasional stylolites and black clay partings. Vertical stylolite from 41.9 to 47.6, offset by 1 inch horizontal fault at 44.2.

5847.30 - 5847.69 -- Limestone, dark brown, micro-fragmental, very argillaceous. Black clay partings.

5847.69 - 5848.64 -- Vertical contact between above and following lithology. Black clay concentrated along boundary.

FORMATION TOP: Elk Point, 5848.64

5848.64 - 5848.86 -- Dolomite, medium brown, very fine- to coarse-crystalline, argillaceous, lity. Clear crystals floating in very fine-crystalline, argillaceous matrix. Trace of intercrystalline porosity. Good gas odor but no fluorescence nor cut.

5848.86 - 5853.03 -- Dolomite, medium gray, coarse-crystalline, slightly argillaceous. White, coarse-crystalline, clean dolomite stringers and lenses with fair vuggy porosity about 1 foot apar'. Abundant black clay partings and stylolites throughout; thin black, bituminous shale stringers in lower 3 feet.

5853.03 - 5853.47 -- Limestone, dark brown, micro-fragmental, very argil-

laceous, intimately interbedded with black, bituminous shale.

5858.47 - 5861.31 — Limestone, dark gray, micro-fragmental, argillaceous. Vertical and horizontal stylolites, black clay partings and occasional black, slickensided shale stringers.

5861.31 - 5865.24 — Limestone, light grey-brown, crypto-crystalline, sublithographic. Black clay partings as above.

5865.24 - 5867.82 — Dolomite, dark brown, micro-crystalline, argillaceous. Occasional lenses of white, coarse-crystalline dolomite with good vuggy porosity Minor black clay partings.

5867.82 - 5877.14 — Limestone, medium brown, crypto-crystalline, sublithographic. Intimately interbedded with dark brown, calcareous, slickensided clay.

5877.14 - 5887.00 — Dolomite, dark brown, medium-crystalline, argillaceous with traces of vuggy porosity. Occasional lenses and pockets of white, coarse-crystalline, vuggy dolomite. Abundant black clay partings and occasional stringers of black shale.

Note: The bedding throughout the core seems to be nearly horizontal, although somewhat contorted.

(11) CORING TIME:

	INTERVAL FROM	INTERVAL TO	TIME IN MINUTES	REMARKS
CORE #1				
5827' - 5887' Slave Point, Elk Point	5827	5828	32	40 RPM
	5828	5829	34	Pump r.pair, 16 mins. 60 RPM
	5829	5830	20	90 RPM
	5830	5831	19	
	5831	5832	17	
	5832	5833	18	90 RPM
	5833	5834	18	
	5834	5835	16	
	5835	5836	11	
	5836	5837	15	
	5837	5838	17	
	5838	5839	19	
	5839	5840	20	
	5840	5841	19	
	5841	5842	17	60 RPM
	5842	5843	18	
	5843	5844	17	
	5844	5845	18	
	5845	5846	18	
	5846	5847	18	
	5847	5848	14	
	5848	5849	7	
	5849	5850	9	
	5850	5851	7	
	5851	5852	6	
	5852	5853	7	
	5853	5854	7	
	5854	5855	6	
	5855	5856	6	
	5856	5857	7	
	5857	5858	9	
	5858	5859	13	
	5859	5860	41	Rig Service 30 mins.
	5860	5861	16	
	5861	5862	14	
	5862	5863	12	
	5863	5864	15	
	5864	5865	14	
	5865	5866	8	

(11) CORING TIME - continued

INTERVAL		TIME IN MINUTES	REMARKS
FROM	TO		
5866	5867	11	
5867	5868	9	
5868	5869	12	
5869	5870	17	
5870	5871	20	
5871	5872	19	
5872	5873	19	
5873	5874	21	
5874	5875	24	
5875	5876	21	
5876	5877	15	
5877	5878	10	
5878	5879	10	
5879	5880	10	
5830	5881	12	
5881	5882	10	
5882	5883	10	
5883	5884	10	
5884	5885	9	
5885	5886	9	
5886	5887	7	

II - GEOLOGICAL SUMMARY - Continued

(d) SAMPLE DESCRIPTIONS

UNION PAN AM Trainor C-72

These samples were not logged above 5000. A 30 foot pipe error was discovered at 5730 and the sample depths were corrected back to 5680. This error cannot be located and it is assumed that it was accumulated over several hundred feet in the upper part of the hole.

2110 — Shale, dark gray, silty; stringers of dark gray, slightly calcareous siltstone.

20 — As above.

30 — As above.

40 — Shale as above.

50 — As above.

60 — As above.

70 — Shale as above; stringers of medium brown, slightly calcareous siltstone.

80 — As above.

90 — As above.

2200 — As above.

10 — As above.

20 — As above.

30 — As above.

40 — As above.

50 — As above.

60 — As above.

70 — As above.

80 — As above.

2290 — As above.

2300 — As above.

10 — As above.

20 — As above.

30 — As above.

40 — As above.

50 — As above.

60 — As above.

70 — As above.

80 — As above.

90 — As above.

2400 — As above.

10 — As above.

20 — As above.

30 — As above.

40 — As above.

50 — As above.

60 — As above.

70 — As above.

SAMPLE TOP: Kotcho, 2472

80 — Shale as above; limestone, light buff to light brown, micro- to coarse fragmental, fossil fragmental in part, dense, in part earthy. Trace undetermined Charophyte.

90 — Limestone as above.

2500 — As above.

10 — As above.

20 — As above.

2530 — As above.

40 — As above.

50 — As above.

60 — Limestone as above; shale, medium gray, silty, soft, chalky.

70 — Limestone as above becoming micro- to very fine-fragmental.

80 — Limestone as above.

90 — As above.

2600 — Cavings.

10 — Limestone as above; 90% cavings.

20 — Limestone as above.

30 — Limestone, light brown, micro-fragmental to crypto-crystalline, cherty in part.

40 — Limestone as above.

50 — Limestone as above; 90% cavings.

60 — Limestone as above.

70 — Cavings.

80 — Limestone as above.

90 — As above.

2700 — Limestone as above; shale, black, flaky.

10 — Limestone as above.

20 — Shale, black, flaky.

30 — Shale, very dark gray, flaky.

40 — As above.

50 — As above.

60 — Shale as above; limestone, light buff, crypto-crystalline to very fine-fragmental.

2770 — Shale as above; stringers of limestone as above.

80 — Interbedded shale and limestone as above.

90 — As above.

2800 — As above.

10 — Shale as above.

20 — Shale, light gray, micro-micaceous, calcareous, soft, flaky.

30 — Shale as above.

40 — As above.

50 — As above.

60 — As above.

70 — As above.

80 — As above.

90 — As above.

2900 — As above.

10 — No sample.

20 — Shale, dark gray, micro-micaceous, flaky.

30 — As above.

40 — Shale, dark gray and light gray as above.

50 — Shale, dark gray as above.

60 — Shale as above; limestone, light brown, crypto-crystalline to coarse fossil fragmental.

70 — Shale as above; stringers of limestone as above.

80 — As above.

90 — As above.

3000 — Interbedded shale and limestone as above.

10 — Shale with limestone stringers as above.

3020 — As above.

30 — As above.

40 — As above.

50 — As above.

60 — As above.

70 — As above.

80 — As above.

90 — As above.

3100 — Interbedded shale and limestone as above.

10 — Shale with limestone stringers as above.

20 — As above.

30 — Interbedded shale and limestone as above.

40 — No sample.

50 — Interbedded shale and limestone as above.

60 — As above.

70 — As above.

80 — As above.

90 — As above.

3200 — As above.

10 — As above.

20 — As above.

30 — As above.

40 — As above.

50 — As above.

60 — As above.

70 — As above.

3280 — As above.

90 — As above.

3300 — As above.

10 — As above.

20 — As above.

30 — As above.

40 — Limestone, light buff to light brown, micro-fragmental to cryptocrystalline. Trace chert. Trace crinoids.

50 — Limestone as above.

60 — Limestone as above; shale, black, micro-micaceous, flaky.

70 — Shale as above; stringers of limestone as above. Trace crinoids.

80 — As above.

90 — As above; 90% cavings.

3400 — Shale as above.

10 — As above.

20 — As above.

30 — Shale with limestone stringers as above.

40 — As above.

50 — As above.

60 — Shale as above.

70 — As above.

80 — As above.

90 — As above.

3500 — Shale as above.

10 — Sandstone, light gray to white, very fine-grained, subangular quartz, very calcareous, well sorted. Framework to filler ratio 9. Stringers of limestone as above.

3520 -- Sandstone as above.

30 -- As above.

40 -- Interbedded sandstone and limestone as above.

50 -- Limestone, white to light brown, micro-fragmental, argillaceous in part; minor sandstone as above.

60 -- Limestone as above.

70 -- Siltstone, medium brown, very calcareous; limestone as above.

80 -- Shale, black, micro-micaceous, flaky.

90 -- As above.

3600 -- Shale as above; limestone, light brown to white, micro-fragmental, argillaceous in part, chalky in part.

10 -- Limestone as above.

20 -- Siltstone, medium brown, very calcareous; limestone as above.

30 -- Limestone as above. Brachiopod.

40 -- Limestone, micro- to very fine-fragmental.

50 -- As above.

60 -- As above. Minor chert.

70 -- As above.

80 -- As above.

90 -- Limestone as above becoming silty. Abundant crinoid fragments.

3700 -- Limestone, light buff to light brown, micro- to very fine-fragmental, silty in part.

10 -- Siltstone, light brown, very calcareous, slightly sandy; limestone, light gray, micro-fragmental, silty.

20 -- As above.

30 -- As above.

40 -- As above.

50 -- As above.

3760 -- As above.

70 -- As above.

80 -- No sample.

90 -- Siltstone as above; shale, medium gray, micro-micaceous, soft, flaky.

3800 -- Shale as above; stringers of siltstone as above.

10 -- As above.

20 -- As above.

30 -- Shale as above; stringers of medium brown, very fine-grained, very argillaceous, calcareous, angular quartz sandstone, well sorted, F/f ratio 7. Trace crinoid fragments.

40 -- As above.

50 -- As above.

60 -- As above.

70 -- As above. Stringers of brown, crypto-crystalline dolomite.

80 -- Shale with sandstone and dolomite stringers as above. Trace crinoid remains.

90 -- Shale with sandstone stringers as above. Trace pyrite.

3900 -- As above. Trace crinoid remains.

10 -- As above.

20 -- As above.

30 -- Shale as above with minor sandstone stringers.

40 -- As above.

50 -- As above.

60 -- As above.

70 -- Shale with minor sandstone stringers as above; trace light brown, micro-fragmental, very argillaceous limestone.

80 -- As above. Stringer of medium brown, crypto-crystalline dolomite.

SAMPLE TOP: Utsha, 3902

3990 -- Limestone, dark cream to medium brown, micro-fragmental, argillaceous, dense, earthy; shale as above.

4000 -- Limestone as above.

10 -- As above.

20 -- As above.

30 -- Limestone as above; shale, medium gray, micro-micaceous, flaky to splintery.

40 -- Limestone as above.

50 -- As above. Trace crinoid remains.

60 -- As above.

SAMPLE TOP: Fort Simpson, 4065

70 -- Limestone as above; shale, dark gray, micro-micaceous, splintery to flaky.

80 -- Shale as above.

90 -- As above. Trace ostracod.

4100 -- As above.

10 -- Shale as above; stringers limestone as above.

20 -- As above.

30 -- As above.

40 -- As above.

50 -- As above. Trace indeterminate fossil fragments, trace pyrite.

60 -- As above. Stringers of light brown to light gray, very fine-grained, calcareous, angular quartz sandstone.

70 -- Shale with limestone and sandstone stringers as above.

80 -- As above.

90 -- As above.

4200 -- As above.

4210 -- Shale as above becoming medium gray; limestone and sandstone stringers as above.

20 -- As above.

30 -- As above.

40 -- As above.

50 -- As above.

60 -- Shale, very dark gray, micro-micaceous; sandstone and limestone stringers as above.

70 -- As above.

80 -- As above.

90 -- As above.

4300 -- As above.

10 -- As above.

20 -- As above.

30 -- As above.

40 -- As above.

50 -- As above.

60 -- As above.

70 -- As above.

80 -- As above.

90 -- As above.

4400 -- As above.

10 -- As above.

20 -- As above.

30 -- As above.

40 -- As above.

50 -- As above.

4450 -- As above.

70 -- As above.

80 -- As above.

90 -- As above.

4500 -- As above.

10 -- As above.

20 -- As above.

30 -- As above.

40 -- As above.

50 -- As above.

60 -- As above.

70 -- As above.

80 -- As above.

90 -- As above.

4600 -- As above.

10 -- As above.

20 -- As above.

30 -- As above.

40 -- As above.

50 -- As above.

60 -- As above.

70 -- As above.

80 -- As above.

90 -- As above.

4700 -- No sample.

10 -- Shale with sandstone and limestone stringers as above.

4720 — As above.

30 — As above.

40 — As above.

50 — As above.

60 — As above.

70 — As above.

80 — As above.

90 — As above.

4800 — As above.

10 — No sample.

20 — Shale, very dark gray, micro-micaceous.

30 — As above.

40 — Shale as above; Shale, gray-green, micro-micaceous.

50 — Shale, dark gray and gray-green as above: stringers of dark gray to dark brown, very fine-grained, angular quartz sandstone.

60 — As above.

70 — As above.

80 — As above.

90 — As above.

4900 — As above.

10 — As above.

20 — Shale, dark gray as above: stringers of dark brown siltstone.

30 — As above.

40 — As above.

50 — As above.

60 — As above.

4970 -- Shale as above; shale, gray-green, micro-micaceous; stringers of light buff, crypto-crystalline limestone; stringers of light gray, very fine-grained, angular quartz sandstone.

80 -- As above.

90 -- As above.

5000 -- As above. Samples were logged below this point.

10 -- As above.

20 -- As above.

30 -- As above.

40 -- As above.

50 -- As above.

60 -- As above.

70 -- As above.

80 -- As above.

90 -- As above.

5100 -- As above.

10 -- As above.

20 -- As above.

30 -- As above.

40 -- As above.

50 -- As above.

60 -- As above.

70 -- Shale, gray-green; stringers of sandstone as above.

80 -- As above.

90 -- As above.

5200 -- As above.

5210 -- As above.

20 -- As above.

30 -- Shale as above.

40 -- As above.

50 -- As above.

60 -- As above.

70 -- As above.

80 -- As above.

90 -- As above.

5300 -- As above.

10 -- As above.

20 -- As above.

30 -- As above.

40 -- As above.

50 -- As above.

60 -- As above.

70 -- As above.

80 -- As above.

90 -- As above.

5400 -- As above.

10 -- As above.

20 -- Shale, gray-green, soft, flaky.

30 -- As above.

40 -- As above.

50 -- As above.

60 -- As above.

5470 -- As above.

80 -- Shale, gray-green, micro-micaceous, soft, flaky. Thirty foot pipe error discovered at 5730 was corrected back to this point.

90 -- Shale as above.

5500 -- As above.

10 -- As above.

20 -- As above.

30 -- As above.

40 -- As above.

50 -- As above.

60 -- As above.

70 -- As above.

80 -- As above.

90 -- As above.

5600 -- As above.

10 -- As above.

20 -- Shale as above; traces of very dark gray, micro-micaceous, silty shale.

30 -- Shale, gray-green as above.

40 -- Shale, gray-green and very dark gray as above. Trace pyrite.

SAMPLE TOP: Musham, 5642

50 -- Shale, black, silty, bituminous, chunky; shale as above. Minor pyrite.

60 -- Shale, black, bituminous as above. Abundant pyrite.

70 -- Shale as above. Minor pyrite.

80 -- Shale as above. Abundant pyrite.

90 -- Shale as above. Minor pyrite.

SAMPLE TOP: Otter Park, 5695

5700 -- Shale as above; limestone, light to medium gray, very fine-fragmental, argillaceous.

10 -- Shale and limestone as above.

20 -- Limestone, white to medium gray, micro- to very fine-fragmental, argillaceous in part with black clay inclusions, chalky in part. Stringers of shale as above.

30 -- Limestone, medium gray to light brown to dark brown, micro- to very fine-fragmental, argillaceous, dense, earthy in part. Stringers of shale as above.

40 -- Limestone with shale stringers as above.

50 -- Limestone as above.

SAMPLE TOP: Slave Point, 5750

60 -- Limestone, dark brown, micro-fragmental, very argillaceous; limestone, light to medium brown, very fine-fragmental, argillaceous, dense, earthy; limestone, white to light gray, micro-fragmental, clean. Traces of secondary calcite. The dark, argillaceous limestones comprise 75% of the sample.

70 -- As above.

80 -- Limestone as above, 75% medium brown, slightly argillaceous. Traces of white secondary dolomite crystals.

90 -- As above.

5800 -- Limestone as above. Traces of dolomite crystals as above. Trace black clay partings.

10 -- Limestone as above. Abundant dolomite crystals as above.

20 -- As above.

Core No. 1, 5827 - 5887. Samples caught while reaming rat hole.

30 -- No sample.

40 -- Limestone as above.

CORE TOP: Elk Point, 5849

50 -- Limestone as above; dolomite, medium brown to white, micro- to coarse-crystalline, argillaceous in part.

5960 -- No sample.

70 -- Dolomite as above, 75%; limestone as above, 25%.

80 -- Limestone as above, 75%; dolomite as above, 25%.

90 -- No sample.

5990 -- Dolomite, light brown, medium-crystalline with traces of vuggy porosity. Limestone, medium brown, cryptocrystalline, with clay partings.

10 -- As above.

20 -- Dolomite as above with slight vuggy porosity indicated by white, coarse dolomite crystals.

30 -- Dolomite as above. Traces of intercrystalline and slight vuggy porosity.

40 -- As above; traces of dark brown, cryptocrystalline, argillaceous limestone.

50 -- As above.

60 -- Dolomite as above.

70 -- Dolomite, white to light brown to medium gray, medium- to coarse-crystalline; limestone, light gray, micro-fragmental, dense, earthy.

80 -- Dolomite with porosity as above; limestone, dark brown, cryptocrystalline, very argillaceous.

SAMPLE TOP: Presqu'ile, 5980

90 -- Dolomite as above with slight intercrystalline and fair vuggy porosity.

6000 -- Dolomite as above, 75% white, coarse-crystalline. Porosity as above.

10 -- As above.

20 -- Dolomite as above, 90% white, coarse-crystalline with slight intercrystalline and good vuggy porosity.

30 -- As above.

Lost circulation at 6033. Formation cavernous; tools dropped three feet.

6040 -- Dolomite as above with fair intercrystalline and good vuggy porosity.

50 -- As above.

60 -- As above.

70 -- Dolomite as above with slight intercrystalline and good vuggy porosity. Sample 90% cavings.

80 -- As above. Sample 90% cavings.

90 -- As above. Sample 90% cavings.

6100 -- As above. Sample 90% cavings.

10 -- As above. Sample 90% cavings.

20 -- As above. Sample 90% cavings.

30 -- Dolomite as above, 50% white, coarse-crystalline. Porosity as above.

40 -- As above.

50 -- As above.

60 -- As above.

70 -- Dolomite as above, 75% light brown, medium-crystalline with traces of intercrystalline and fair vuggy porosity.

80 -- As above.

90 -- As above.

6200 -- As above.

10 -- As above.

20 -- Dolomite, medium brown, fine-crystalline; dolomite, white, coarse-crystalline with fair vuggy porosity.

30 -- As above.

40 -- As above.

50 -- As above.

60 -- As above.

6270 -- Dolomite as above.

80 -- As above.

90 -- As above.

6300 -- Dolomite as above.

10 -- Dolomite as above, 75% medium brown, fine-crystalline. Slight vuggy porosity.

20 -- As above.

30 -- As above.

40 -- As above.

50 -- As above.

SAMPLE TOP: Pine Point, 6355

60 -- Dolomite as above; dolomite, dark brown, very fine-crystalline, very argillaceous, silty.

70 -- Dolomite, medium and dark brown as above; stringers of white, coarse-crystalline secondary dolomite. Traces of vuggy porosity.

80 -- Dolomite as above, 75% dark brown. Traces of vuggy porosity.

90 -- As above.

6400 -- Dolomite as above with traces of vuggy porosity; stringers of black, silty shale.

10 -- As above. Traces of vuggy porosity.

20 -- Dolomite as above. Traces of vuggy porosity.

30 -- As above.

40 -- As above.

50 -- As above.

60 -- As above.

70 -- As above. Traces of medium brown, crypto-crystalline limestone.

80 -- Dolomite, dark brown, fine-crystalline, very argillaceous. Occasional stringers of white, fine-crystalline dolomite. Minor white, medium-crystalline to coarse-crystalline secondary dolo-

mite as fracture fill or vug lining. Traces of vuggy porosity.

6490 — As above.

6500 — As above. Trace black, chunky shale. Traces of vuggy porosity.

10 — Dolomite as above with traces of vuggy porosity.

20 — As above.

30 — As above.

40 — No sample.

50 — Dolomite as above. Traces of medium brown, crypto-crystalline, argillaceous limestone.

60 — Dolomite as above with traces of vuggy porosity.

70 — As above. Traces of black shale and brown chert.

80 — Dolomite, dark to medium brown, very fine-crystalline, argillaceous to very argillaceous; minor secondary dolomite as above; stringers of medium brown, micro-fragmental, argillaceous limestone.

90 — Dolomite as above. Traces of pyrite.

6600 — As above.

10 — Dolomite as above; minor dark buff, micro-crystalline, argillaceous dolomite.

20 — As above. Traces of pyrite.

30 — As above.

40 — As above. Traces of white, silky anhydrite.

50 — Dolomite as above, in part anhydritic.

60 — As above. Minor pockets of white to pink anhydrite.

70 — Dolomite as above, in part anhydritic; pockets of anhydrite as above.

SAMPLE TOP: Chinchaga, 6675

80 — Dolomite with anhydrite as above; shale, gray-green, chunky, slightly calcareous.

6690 — No sample.

6700 — Dolomite with anhydrite as above; dolomite, light brown, cryptocrystalline; shale as above.

10 — Shale as above; minor dark brown dolomite as above; traces of white, fine-grained, subrounded quartz sandstone.

20 — Shale as above; minor light brown, crypto-crystalline, slightly argillaceous dolomite.

30 — Shale as above with stringers of dolomite as above; sandstone, white, fine-grained, rounded to angular quartz, anhydritic, well sorted. F/f ratio 9.

40 — Shale and dolomite as above; sandstone, white, fine- to coarse-grained, subrounded to angular quartz with dark chert, fair sorting. F/f ratio 9; dolomite, light buff, micro-crystalline.

50 — As above; pockets of white to pink anhydrite.

60 — Dolomite, light buff, micro- to crypto-crystalline, anhydritic; minor sandstone and anhydrite pockets as above.

70 — Dolomite as above; stringers of white to pink anhydrite; traces of sandstone as above.

80 — Dolomite with anhydrite stringers as above; sandstone as above.

90 — Dolomite, dark cream, micro-crystalline, in part very anhydritic; anhydrite, white to pink; traces of sandstone as above. Traces of pyrite.

6800 — Interbedded dolomite and anhydrite as above.

SAMPLE TOP: Red Beds, 6803

10 — As above; siltstone, red brown, dolomitic.

20 — Siltstone as above; shale, grey-green, slightly dolomitic; anhydrite as above; dolomite, red-brown, micro-crystalline to crypto-crystalline, sandy in part.

30 — Siltstone, shale and anhydrite as above; dolomite, buff, crypto-crystalline.

40 — Siltstone, shale and anhydrite as above, siltstone predominating.

50 — As above.

6960 — As above.

70 — As above.

80 — As above.

90 — As above.

6900 — As above; minor buff, crypto-crystalline dolomite.

SAMPLE TOP: Cambrian?, 6905

10 — Siltstone, shale and anhydrite as above; sandstone, white to dark gray, very fine- to coarse-grained, angular quartz with clear, glassy feldspathoid and abundant biotite, siliceous, anhydritic, poorly sorted, F/f ratio 9.

20 — Red beds and sandstone as above.

30 — As above.

40 — As above.

50 — Sandstone as above cemented with undetermined clay mineral.

60 — Sandstone as above with abundant undetermined dark gray mineral, possibly altered plagioclase.

70 — As above.

80 — As above.

90 — As above.

7000 — As above.

10 — As above.

20 — As above.

30 — Sandstone as above with minor kaolinite.

40 — As above.

50 — As above.

60 — As above.

70 — As above.

7080 — As above.

90 — As above.

7100 — As above.

10 — As above.

20 — As above.

30 — As above.

TOTAL DEPTH: 7130

Section III - ENGINEERING SUMMARY

(a) Report of Drill Stem Tests

Formation Tests: By Johnston Testers with MFE tool.

D.S.T. No. 1: 5848' to 5892' - Upper Elk Point formation, Bottom Hole Test

I Puff 5, ISI 60, VO 60, FSI 60.
Blow: Weak air blow on PF, weak blow on VO decreasing to dead at end of test. Rec: 125' Drilling mud, 300' of muddy black sulphurous salt water. (50,000 ppm Cl, 82,500 ppm NaCl)
BHT: 158°F, IHP 2822, ISIP 2153, IFP 147, FFP 229, FSIP 2145, FHP 2817

D.S.T. No. 2: 5975' to 6027', Presquille formation, bottom hole test.
I Puff 5, ISIP 60, VO 60, FSI 60
Blow: Good initial blow remaining steady throughout preflow. Good blow on VO, dead after 30 minutes. Rec: 815' water cut drilling mud, 3810' slightly muddy salt water.
BHT: 159°F, IHP 2869, ISIP 2214, IFP 1877, FFP 2216, FSIP 2218, FHP 2850

D.S.T. No. 3: 5690' to 5825' - Slave Point formation, straddle test
I Puff 5, ISI 60, VO 90, FSI 90
Blow: Good strong air blow throughout preflow. Rec: G.T.S. in 7 mins. TSTM increasing to 60 Mcfd and remaining steady throughout. (3" water over 1" riser) (Pipe recovery: 570' black salty sulphurous mud)
BHT: 168°F, IHP 2723, ISIP 2085, IFP 119, FFP 165, FSIP 2084, FHP 2704

(b) Casing Record

9 5/8" Surface Casing details:
Ran and cemented 20 joints, 774.12' of 9 5/8", 36#, Grade J-55, New Mannesman smls 8 rd. ST & C casing at 767.65' with 650 sacks construction cement plus 3% $CaCl_2$ plus ¼ #/bbl. gel flake (in the last 350 sacks) mixed to 15.0 to 15.5 ppg slurry. Preceeded cement with 5 bbls. water. Used top and bottom rubber plugs.
Displaced with 55.5 bbls. water. Returns estimated to be 85 sacks. CIP 2:30 P.M. January 25th, 1969. Cementing by: Howco.

Tally:		
	Howco cement guide shoe	1.10
	1 jt. casing	41.11
	Howco float collar	1.63
	19 jts. casing	730.28
	Total	774.12
	Up above KB	6.47
	Landed depth	767.65

3 Howco centralizers at 730', 690', 610'.
Float collar at 724'.

(c) BIT RECORD

DEAN, DANIEL, AND ASSOCIATES
ENGINEERING LTD. - Calgary

FIELD WILDCAT DISTRICT N. W. T.

CONTRACTOR Cascade Rig 1 WELL Union Pan Am Trainor Lake O-72

DATE DRILLING STARTED Jan 19, 1969 7:00 a.m. COMPLETED _____ ACTUAL DRILLING _____ DAYS

ft/hr

BIT No.	MAKE	TYPE	SIZE	DEPTH FROM	DEPTH TO	FOOTAGE	BIT HOURS	DRLG. SPEED	SERIAL NO.	REMARKS Condition	Jets
1A	W.H.	OSC-3	13-3/4	0	151	151	11-3/4	12.9	82277	Retip,	4-2-1, Conv.
2A	W.H.	OSC-3	13-3/4	151	632	481	21-1/2	22.4	6885	New,	2-2-1, Conv.
3A	W.H.	OSC-3	13-3/4	632	711	79	6-1/4	12.6	6888	New,	2-2-1, Conv.
4A	W.H.	OSC-3	13-3/4	711	768	57	21-3/4	2.6	1662	New,	2-2-1, Conv.
1	W.H.	XIG	8-3/4	768	2013	1245	19-1/2	63.8	3777	New,	2-1-1, 2-14, 1-13
2	W.H.	XIG	8-3/4	2013	2990	977	37-3/4	25.9	3718	New,	2-2-1, 1-13, 2-12
3	W.H.	XIG	8-3/4	2990	3566	576	40-1/2	14.2	3553	New,	4-1-1, 3-11 2 jets slugged.
4	W.H.	XIG	8-3/4	3566	3748	182	15-1/4	12.0	4597	New,	3-1-1, 2-10, 1-11
5	W.H.	XIG	8-3/4	3748	4813	1065	44-3/4	23.8	4594	New,	4-2-1, 3-12
6	W.H.	XIG	8-3/4	4813	5701*	918	36-3/4	25.0	3717	New,	3-1-1, 3-14
7	SEC	M4NGJ	8-3/4	5701	5827	126	14	9.0	910192	New,	2-1-1, 3-14
7A	Dia-mond	Boyles	6-3/16	5827	5887	60	15	4.0	DDL-26 -68	Core bit	
8	W.H.	ODVJ	8-3/4	5887	5892	65	5	13.0	6255	New Reamed 60' Drilled 5'	1-1-1 3-14
9	SEC	M-88	8-3/4	5892	6027	135	15-1/2	9.0	1611942	New,	1-1-1 3-14
10	W.H.	X55R	8-3/4	6027	6547	520	44-1/2	11.8	5682	New,	4-2-2 3-14
11	W.H.	X55R	8-3/4	6547	6806	259	32	8.1	5401	New,	7-4-1 3-14
#9 Rerun - 11A	SEC	M-88	8-3/4	6806	7130	324	33-3/4	9.6	1611942	Rerun #9	1-1-1 3-14

* TALLY CORRECTED 30'.

BLAIN, BIRNIE, AND MATTHEIS ENGINEERING LTD.

CALGARY

(d) MUD RECORD

WELL: Union Pan Am Trainor Lake O-72

LOCATION: 60° 11' 48" N, 120° 13' 50" W N.W.T.

DATE	DEPTH	VIS	WT	WL	FC	PH	ADDITIVES
Jan 19/69	44	45	10.0				1500 Gel, 200 Soda Ash, 100 Lime
20	425	70	10.4				3550 Gel, 100 Lime
21	679	72	10.4				2300 Gel, 25 Lime
22	679	160	10.5				1200 Gel, 25 Lime
24	755	70	9.8				2750 Gel
29	1672	28	8.5				200 Bicarb
Feb 2/69	3429	34	8.9				4900 Gel
3	3748	38	9.1				2400 Gel, 1575 Diesel, 3500 Protecto-Magic
4	4370	37	9.3	10.2	2		2500 Gel, 900 Diesel, 200 CMC 2000 Protecto-Magic, 1 Drum Atlosol
5	4508	35	9.4	10.2	2	8	CMC 200, Protecto-Magic 1000# Diesel 10 Bbls, Atlosol 5 gals.
6	4813	40	9.3	9.2	2	8	Super Col. 2500# CMC 300#
7	4813	42	9.3	10.6	2/32	8	Super Col 1000#
8	4813	43	9.3	9.2	2/32	8	1000# Super Col 100# CMC
9	4813	68	9.3	8.8	2/32	8	1800# Super Col 150# CMC
10	5013	45	9.1	9.2	2/32	8	1500# Super Col 1350 gals. Diesel 2500# Protecto-Magic 100# CMC 1 Drum Atlosol
11	5449	72	9.2	8.2	2/32	7.8	5250# Super Col 1 Drum Atlosol 1000# Protecto-Magic 450 gals. Dies
12	5701	68	9.1	8.0	2/32	8.5	2650# Super Col 1/2 Drum Atlosol 1000# Protecto-Magic 100# CMC 540 gals. Diesel
13	5827	80	9.1	8.9	2/32	8	5200# Super Col 540 gals. Diesel 200 # CMC 5 Gals Atlosol 1000# Protecto-Magic

BLAIN, BINNIE, AND MATTHEIS ENGINEERING LTD.

CALGARY

(d) continued

MUD RECORD

WELL: Union Pan Am Trainor Lake O-72

LOCATION: 60° 11' 48" N, 120° 13' 50" W N.W.T.

DATE	DEPTH	VIS	WT	WL	FC	PH	ADDITIVES
Feb. 14/69	5887	89	9.0	6.8	2/32	8	1200# Super Col 450 gals. Diesel
15	5892	84	9.2	7.1	2/32	8	None
16	5961	75	9.0	6.5	2/32	9.5	1000# Super Col 200# Caustic 200# Soda Ash
17	6027	83	9.0	7.8	2/32	9.5	1200# Super Col 1000# Petro-Majic 450 gals. Diesel 1 Drum Atlosol
18	6161	70	8.9	6.0	2/32	9.0	5850# Super Col. 155 bags Sawdust 100# CMC 100# Caustic
19	6430	60	8.9	5.6	2/32	9.0	3700# Super Col 80 bags Sawdust 200# Caustic 200# CMC
20	6630	60	8.8	6.0	2/32	9.5	2400# Super Col 55 bags Sawdust 100# Caustic 150# CMC
21	6699	72	8.5	10.6	2/32	9.0	11,400# Super Col 111 bags Sawdust 350# Caustic 300# Unical
22	6685	74	8.8	7.2	2/32	9.5	3600# Supercol 400# Unical 200# Caustic 1 Bbl Atlosol (12 ga 300# CMC 1350 gals Diesel 100# Soda Ash
23	6874	69	8.8	8.2	2/32	8.5	2100# Supercol 6 gals Atlosol 100# Soda Ash 675 gals Diesel 50# CMC
24	7123	87	8.9	7.2	2/32	9.0	2700# Supercol 110# Unical 300# Caustic 6 gals Atlosol 150# CMC 675 gals Diesel
25	7130	110	9.0	6.8	2/32	9.5	500# Supercol 100# Caustic 50# CMC
26	7130	90	8.9	7.0	2/32	9.5	1900# Gel 50# CMC
March 1/69	7130	100					50# Unical

Plug and Abandon Program received. No further Mud Chemicals used.

UNION PAN AM TRAINOR LAKE O-72

(e) Deviation Survey Summary

	Depth	Deviation °
	70	1/2
	130	1/2
	276	1/4
	393	3/4
	475	1/8
	585	1/4
	632	3/4
	739	1
	765	1/2
	1010	1/2
	1502	3/4
	2000	7/8
	2495	7/8
	2772	7/8
	3111	7/8
	3414	1/2
	3566	1/2
	4144	3/8
	4508	1/2
	4813	1/2
	5449	1/2
	5701	1½
	5827	2½
	5892	2 7/8
	5967	2
	6027	2
	6547	1½
	6807	1½
T.D.	7130	1 3/4

BLAIN, LINNIE & MATTHEIS
ENGINEERING LTD. - CALGARY

(1) PLUG-BACK AND ABANDONMENT REPORT

WELL Union Pan Am Trainor Lake O-72 LOCATION: 60° 11' 48" N 120° 13' 50" W

HOLE SIZE	13-3/4	8-3/4	
DEPTH	767	7130	

KB ELEV. 2057.6
F.T.D. 7130
FLUID IN HOLE Gel Mud
PLUG BACK STRING
SERVICE COMPANY Haliburton Cementing Co.
CONS. ED. OFFICER

CASING IN HOLE	SIZE	SET AT	TOP OF CEMENT
SURF. CSG	9-5/8	767.65	Surface
PROD. STR			

Drill Pipe size 5" with 4-1/2" IF tool joints

	PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5
DATE	Feb 28/69	Feb 28/69	March 1/69	March 1/69	
INTERVAL TOP	5925	5750	717	Surface	
INTERVAL BOTTOM	6050	5850	817		
FELT PLUG DEPTH	5920	5720	715		
FORMATION NAME	Presqu'ile	Slave Point	Base of		
FORMATION DEPTH	5995	5692	Surface Csg		
CALI. HOLE SIZE (AVG.)	9"	9"	10"		
TYPE OF CEMENT	Const.	Const.	Const.	Const.	
NO. OF SACKS	80	80	55	5	
ADDITIVES	2% Gel	2% Gel	2-1/2% $CaCl_2$	None	
BBLS. OF WATER AHEAD	9	8	5		
DISPLACEMENT BBLS. WATER					
DISPLACEMENT BBLS MUD					
SLURRY WEIGHT					
MIXING TIMES START	4:30	12:00 Noon	10:50 a.m.		
MIXING TIMES FINISH					
DISPLACING TIMES START					
DISPLACING TIMES FINISH	5:05 p.m.	12:30 a.m.	11:15 a.m.		
FELT PLUG TIME	11:45 p.m.	7:00 a.m.	7:00 p.m.		

SURFACE CASING CUT 3 FT BELOW GRD. SURFACE PLUG 5 SACKS

PLATE WELDED x

CASING SALVAGE: SHOT OFF AT _____ FT. BELOW GRD.

NO. JOINTS RECOVERED _____

REMARKS: Welded steel name plate on 4' riser welded to surface casing plate.

ENGINEER D. L. Tufts

(g) Lost Circulation Zones:

Formation	Remarks	Depth Interval	Estimated Amount of Materials Lost
Glacial drift	Porous	130'-190'	25 bbls. drilling fluid.
Glacial drift	Fractured by pumping with stuck pipe.	636'-679'	50 bbls. drilling fluid, plus 55 sacks sawdust.
Presquille	Porous drilling break	6030'-6033'	1260 bbls. drilling fluid, plus 155 sacks sawdust.

(h) Blowouts - None

Section IV - Logs

Date Run	Intervals	Type of Log
February 25, 1969	7126-764	FDC: Formation Density Caliper.
February 25, 1969	7124-762	DIL: Dual Induction Laterolog.
February 26, 1969	7125-762	SLC-GR-C: Sonic Log Caliper - Gamma Ray Compensated.

(Logging by Schlumberger)

Section V - Analysis

(a) Core Analysis - None

(b) Water Analysis - See attached reports. Lab Report Nos. CBH-2-4274, CBH-2-4356, CBH-2-4434, CBH-2-4303.

(c) Gas Analysis - See attached reports. CBH-1-1417 (2 samples)

(d) Oil Analysis - none

Section VI - Completion Summary

(a) Tubing - None

(b) Perforations - None

(c) Cementation Record - See Section III (f) for Abandonment plugs.

(d) Acidization and Fracturing Record - None

(e) Back Pressure and Production Tests - None

JOHNSTON TESTERS

TEST DATA

Formation		Zone Thickness			Ft.
Interval	5848 To	5892	T.D.	5892	Ft.
Type of Test	OPEN HOLE, BOTTOM HOLE.				
Time Started in Hole	0300 Hrs	Tool Opened	0719	Hrs.	
First Flow	5 Min.	Initial Shut-In	60	Min.	
Second Flow	60 Min.	Second Shut In		Min.	
Third Flow	Min.	Final Shut In	60	Min.	
Pulled Loose at	1024 Hrs.	Out of Hole	1324	Hrs.	
Wt. Set on Packers	40,000 =	Pulled Loose Wt.	20,000	=	

Description of Blow During Test:

WEAK AIR BLOW, DEAD IN 60 MINS.
TOOL WAS CHASED 20' DURING TEST PERIOD.

FLUID RECOVERY Was Test Reverse Circulated Yes ☐ No ☒

Total Fluid Recovered 425 Ft.

Description of Fluid Recovered

125' DRILLING FLUID.

300' WATER.

GAS BLOW MEASUREMENT

Measured With I.D. Riser

Type of Instrument

Time	Size Choke	Reading Inches	M Cubic Feet/Day

REMARKS: TEST SATISFACTORY.

MFE SAMPLE: DRAINED ON LOCATION.

RESISTIVITY			CHLORIDE CONTENT	
Recovery Water	@	°F.	50,000	ppm.
Mud Pit sample filtrate	@	°F. SALT	82,500	ppm.

TOOL SEQUENCE

Tool	Length	O.D.
SUB	.85	
P. O. SUB.	.75	
SUB.	.83	
D. P. SUB.	.65	
MFE TOOL	9.10	
BYPASS TOOL	3.05	
JARS	6.95	
SAFETY JOINT	1.75	
S. S. & PACKER	9.20	
T. C. & PACKER	5.15	
TOTAL	38.28	
STUB.	1.20	
PERF.	6.00	
RECORDER	5.90	
RECORDER	5.90	
PERF.	24.00	
B. N. & PERF.	1.50	
TOTAL INTERVAL	44.50	
TOTAL LENGTH	82.78	

Elevation 2057.4 KB 2045 GL

Bottom Hole Choke Size 1/2"

Fluid Cushion Type Amt.

MUD AND HOLE DATA

Mud Type GEL W.L. 6.8

Filter Cake 2/32 Visc. 80 Wt. 9.0

Time Taken 2300 HRS.

Contractor CASCADE DRLG. Rig No. 1

Drill Pipe Size 4 1/2 IF

Drill Collar Size 2 7/8 ID Length 453.56'

Main Hole Size 8 3/4"

Rat Hole Size

District FORT ST. JOHN Ticket No. D 03003 Date FEB. 16, 1969 Test No. 1 J.T. No. 1

Company UNION OIL COMPANY OF CANADA LIMITED Address 709 - 8TH AVENUE S.W.

Well Name UNION PAN AM TRAINOR #C-72 CALGARY 2, ALBERTA

Number 60 11' 48.00

120 13' 50.00 Field WILDCAT Province N.W.T.

and Interval 5848 - 5892 DST#1 Co. Rep. D. TUFFTS

Technician S. JANZ

Distribution of Reports

7 - CALGARY,
1 - DATA CENTER (ENCLOSED).

JT-162-SB

JOHNSTON TESTERS

D 03003

PRESSURE DATA

INSTRUMENT No.		AK1-2007	AK1-2021		
CAPACITY psig		8300	6950		
INSTRUMENT DEPTH FT		5855	5861		
INSTRUMENT OPENING		OUTSIDE	OUTSIDE		
PRESSURE GRADIENT psi/FT					
WELL TEMP. °F		158°	158°		
INITIAL HYDROSTATIC	A	2822#	2821#		
FIRST FLOW	B	139#	132#		
B-1		188#	192#		
INITIAL SHUT-IN	C	2153#	2148#		
SECOND FLOW	D	147#	146#		
D-1		229#	CLOCK		
SECOND SHUT-IN	E		STOPPED		
THIRD FLOW	F				
FINAL SHUT-IN	G	2145#			
FINAL HYDROSTATIC	H	2817#			

FLUID SAMPLE REPORT

Sample No.	1
Type	B.H.
Depth	5810 ft.
Volume	2500 c.c.
Sample Pressure:	
100	psig. at Surface
Gravity	API @ °F
Gas Oil Ratio	Cu.Ft./bbl.
Recovery:	
Cu. Ft. Gas	4/10
cc. Oil	
cc. Water	
cc. Mud	
Total Liquid cc.	

REMARKS:

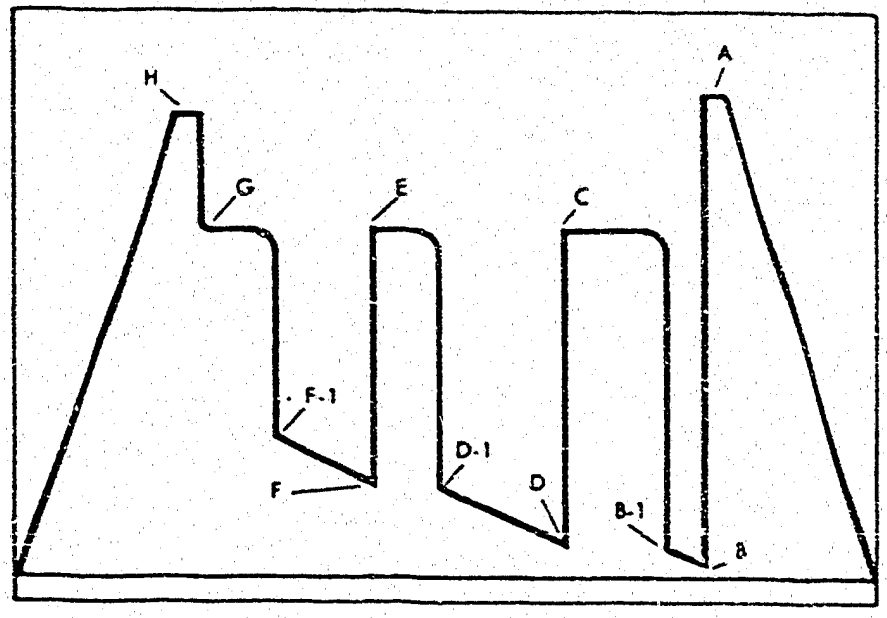
PRESSURE INCREMENTS

POINT MINUTES	PRESSURE	$\frac{T+\Delta T}{\Delta T}$	POINT MINUTES	PRESSURE	$\frac{T+\Delta T}{\Delta T}$	POINT MINUTES	PRESSURE	$\frac{T+\Delta T}{\Delta T}$

JTL-1 & E-13A

JOHNSTON TESTERS

GUIDE TO IDENTIFICATION OF DRILL STEM TEST PRESSURE CHARTS



A. Initial Hyd. Mud
B. First Flow
C. Initial Shut-In
D. Second Flow
E. Second Shut-In
F. Third Flow
G. Final Shut-In
H. Final Hyd. Mud

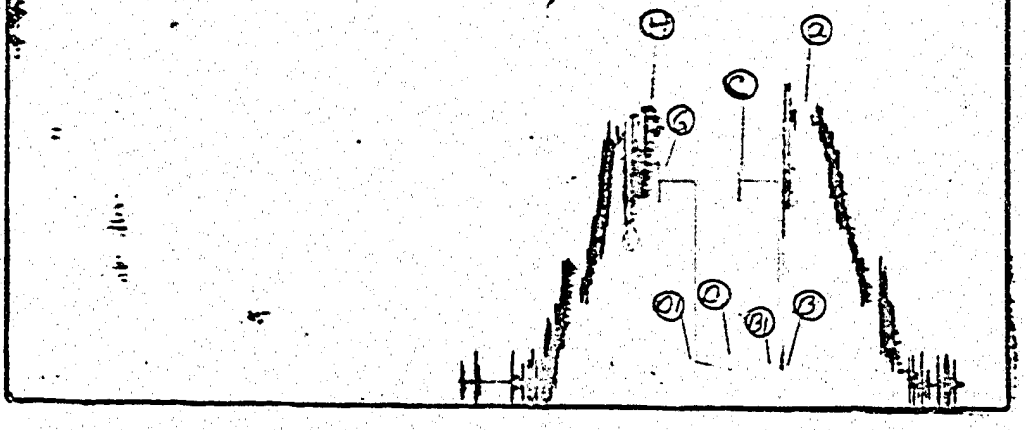
The following points are either fluctuating pressures or points indicating other packer settings (testing different zones).

A-1, A-2, A-3, etc. Initial Hyd. Pressures
B, B-1, Initial Flow Pressures
C, Initial Shut-In
D-1, D-2, D-3, etc. Second Flow Pressures
E, Second Shut-In
F, F-1, F-2. Third Flow Pressures
G, Final Shut-In
H, Final Hyd. Pressures
Z — Special pressure points such as pumping pressures recorded for formation breakdown.

JOHNSTON TESTERS

FIELD REPORT NO	RECORDER NO	CAPACITY	REPORTS REQUESTED
D 03003	AK1-2007	8300	8

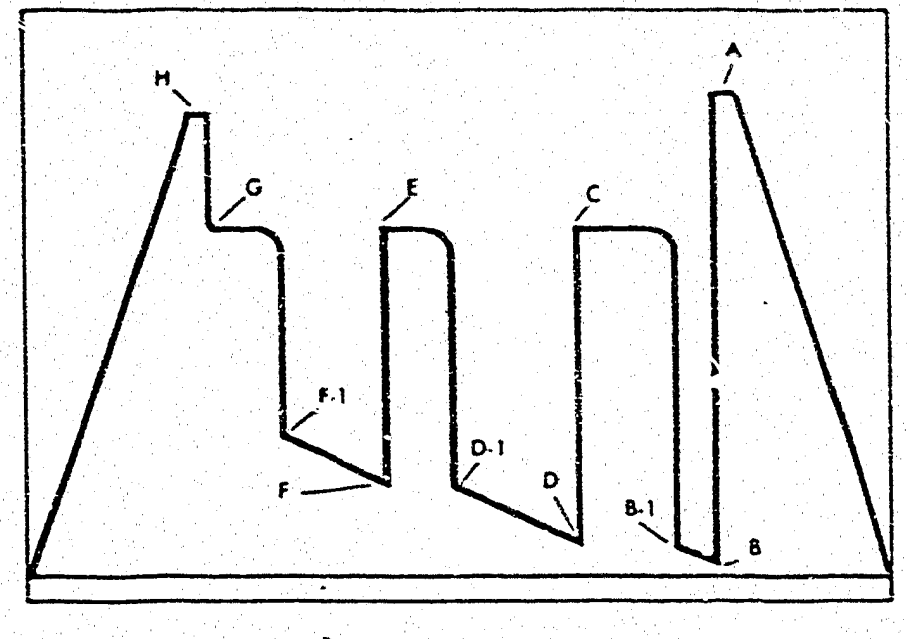
D03003 AK1-2007



JTL-1 & E-13A

JOHNSTON TESTERS

GUIDE TO IDENTIFICATION OF DRILL STEM TEST PRESSURE CHARTS



A. Initial Hyd. Mud
B. First Flow
C. Initial Shut-In
D. Second Flow
E. Second Shut-In
F. Third Flow
G. Final Shut-In
H. Final Hyd. Mud

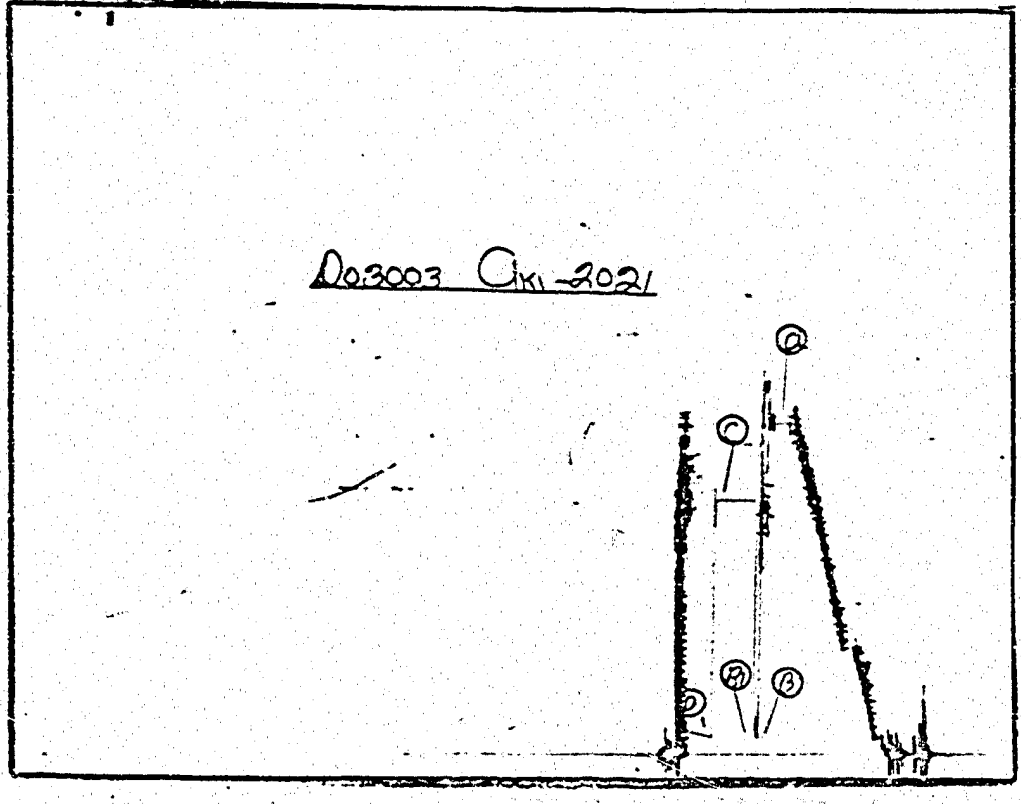
The following points are either fluctuating pressures or points indicating other packer settings (testing different zones).

A-1, A-2, A-3, etc. Initial Hyd. Pressures
B, B-1, Initial Flow Pressures
C. Initial Shut-In
D-1, D-2, D-3, etc. Second Flow Pressures
E, Second Shut-In
F, F-1, F-2. Third Flow Pressures
G, Final Shut-In
H, Final Hyd. Pressures
Z — Special pressure points such as pumping pressures recorded for formation breakdown.

JOHNSTON TESTERS

FIELD REPORT NO	RECORDER NO.	CAPACITY	REPORTS REQUESTED
D 03003	AK1-2021	6950	8

D-03003 AK1-2021



JOHNSTON TESTERS

TEST DATA

Formation		Zone Thickness			Ft.
Interval	5975 To 6027	T.D.	6027		Ft.
Type of Test	OPEN HOLE, BOTTOM HOLE.				
Time Started in Hole	2015 Hrs.	Tool Opened	2356	Hrs.	
First Flow	5 Min.	Initial Shut-In	60	Min.	
Second Flow	60 Min.	Second Shut In		Min.	
Third Flow	Min.	Final Shut In	60	Min.	
Pulled Loose @	0301 Hrs.	Out of Hole	0300	Hrs.	
Wt. Set on Packers	40,000 #	Pulled Loose Wt.	20,000	#	

Description of Blow During Test

STRONG AIR BLOW, DEAD IN 30 MINS.
TOOL WAS CHASED 15' DURING TEST PERIOD.

FLUID RECOVERY

Was Test Reverse Circulated Yes ☐ No X

Total Fluid Recovered 4625 Ft.

Description of Fluid Recovered

815' DRILLING FLUID.
3810' BLACK, SULPHUROUS, SALT WATER.

GAS BLOW MEASUREMENT

Measured With I.D. Riser

Type of Instrument

Time	Size Choke	Reading Inches	M Cubic Feet/Day

TOOL SEQUENCE

Tool	Length	O.D.
SUB.	.85	
P. O. SUB.	.75	
SUB.	.83	
D. P. SUB.	.65	
MFE TOOL	9.10	
BYPASS TOOL	3.05	
JARS	6.95	
SAFETY JOINT	1.75	
S. S. & PACKER	9.20	
I. C. & PACKER	5.15	
TOTAL	38.28	
STUB.	1.20	
PERF.	6.00	
RECORDER	5.90	
RECORDER	5.90	
PERF.	32.00	
B. N. & PERF.	1.50	
TOTAL INTERVAL	52.50	
TOTAL LENGTH	90.78	

Elevation 2057.4 KB. 2045 GL.
Bottom Hole Choke Size 1/2"
Fluid Cushion Type Amt.

MUD AND HOLE DATA

Mud Type GEL W.L. 7.8
Filter Cake 2/32 Visc. 83 Wt. 9.0
Time Taken 1600 HRS.
Contractor CASCADE DRLG. Rig No. 1
Drill Pipe Size 4 1/2 IF
Drill Collar Size 2 7/8 ID Length 456'
Main Hole Size 8 3/4"
Rat Hole Size

REMARKS: TEST SATISFACTORY.
MFE SAMPLE: DRAINED ON LOCATION.

	RESISTIVITY		CHLORIDE CONTENT
Recovery Water	@	°F.	50,000 ppm.
Mud Pit sample filtrate	@	°F. SALT	80,500 ppm.

District FORT ST. JOHN Ticket No. D 03004 Date FEB. 17, 1969 Test No. 2 J.T. No. 2
Company UNION OIL COMPANY OF CANADA LIMITED Address 709 - 8TH AVENUE S.W.
Well Name UNION PAN AM TRAINOR #C-72 CALGARY 2, ALBERTA
Number 60 11'48.00 Field WILDCAT Province N.W.T.
120 13'50.00 Co. Rep. D. TUFTS
and Interval 5975 - 6027 DST#2 Technician S. JANZ
Distribution of Reports

7 - CALGARY,
1 - DATA CENTER (ENCLOSED).

JT-GS-80

JOHNSTON TESTERS

D 03004

PRESSURE DATA

INSTRUMENT No.		AK1-2007	AK1-2021		
CAPACITY (psig)		8300	6950		
INSTRUMENT DEPTH FT		5982	5988		
INSTRUMENT OPENING		OUTSIDE	OUTSIDE		
PRESSURE GRADIENT psi/FT					
WELL TEMP. °F		159°	159°		
INITIAL HYDROSTATIC	A	2869#			
FIRST FLOW	B	1691#			
B-1		1945#			
INITIAL SHUT-IN	C	2214#			
SECOND FLOW	D	1877#			
D-1		2216#	CLOCK		
SECOND SHUT-IN	E		STOPPED		
THIRD FLOW	F				
FINAL SHUT-IN	G	2218#			
FINAL HYDROSTATIC	H	2856#			

FLUID SAMPLE REPORT

Sample No.	1
Type	B.H.
Depth	5933 ft.
Volume	2500 c.c.
Sample Pressure	
200	psig. at Surface
Gravity	API @ °F
Gas Oil Ratio	Cu. ft./bbl.
Recovery:	
Cu. Ft. Gas	
cc. Oil	
cc. Water	2500
cc. Mud	2500
Total Liquid cc.	

REMARKS:

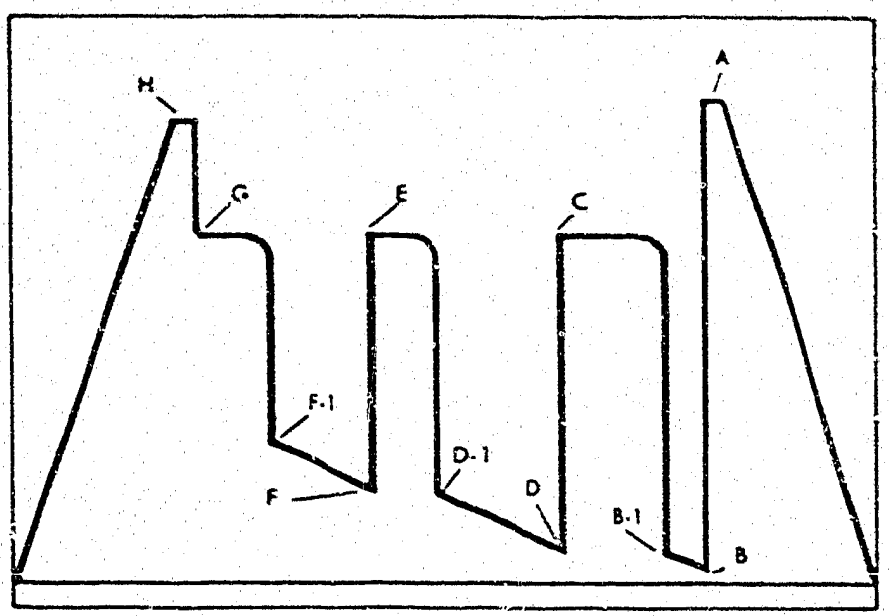
PRESSURE INCREMENTS

POINT MINUTES	PRESSURE	$\frac{T + \Delta T}{\Delta T}$	POINT MINUTES	PRESSURE	$\frac{T + \Delta T}{\Delta T}$	POINT MINUTES	PRESSURE	$\frac{T + \Delta T}{\Delta T}$

JTL-1 & E-13A

JOHNSTON TESTERS

GUIDE TO IDENTIFICATION OF DRILL STEM TEST PRESSURE CHARTS



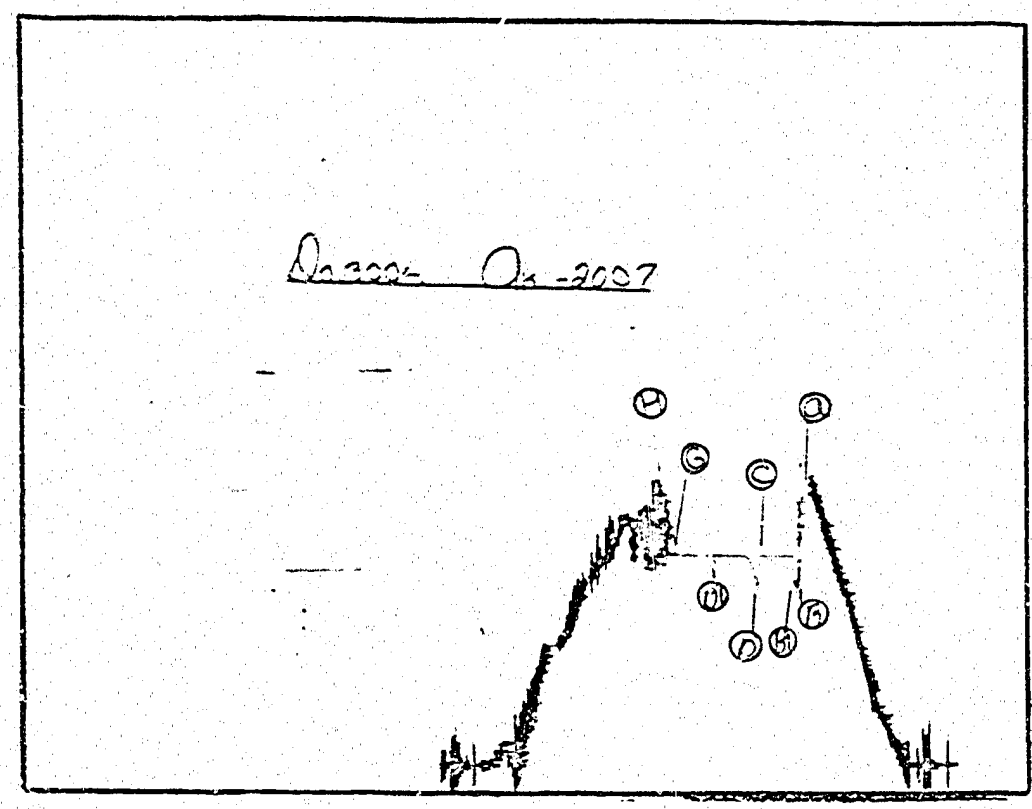
A. Initial Hyd. Mud
B. First Flow
C. Initial Shut-In
D. Second Flow
E. Second Shut-In
F. Third Flow
G. Final Shut-In
H. Final Hyd. Mud

The following points are either fluctuating pressures or points indicating other packer settings (testing different zones).

A-1, A-2, A-3, etc. Initial Hyd. Pressures
B, B-1, Initial Flow Pressures
C, Initial Shut-In
D-1, D-2, D-3, etc. Second Flow Pressures
E, Second Shut-In
F, F-1, F-2, Third Flow Pressures
G, Final Shut-In
H, Final Hyd. Pressures
Z — Special pressure points such as pumping pressures recorded for formation breakdown.

JOHNSTON TESTERS

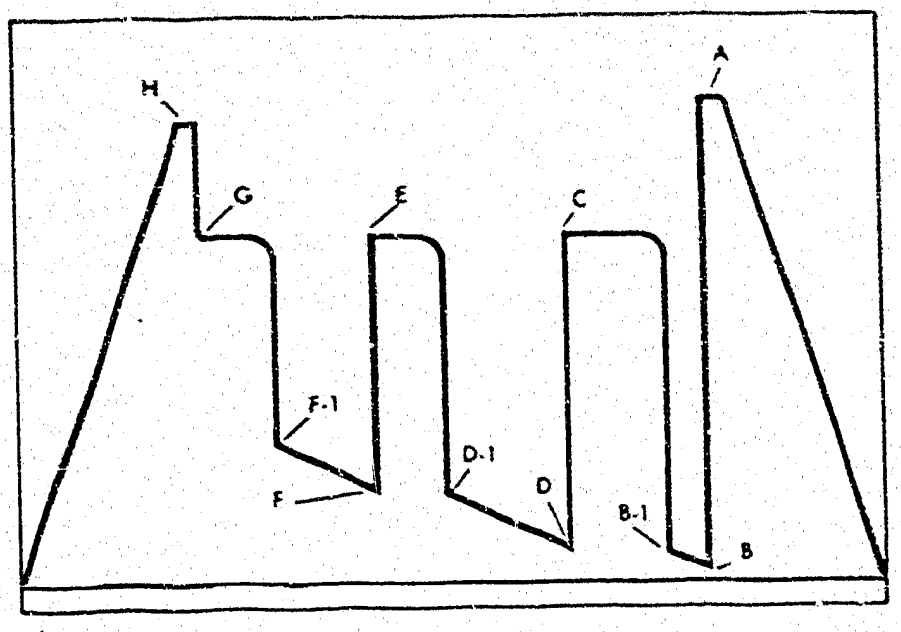
FIELD REPORT NO	RECORDER NO.	CAPACITY	RECEIPTS REQUESTED
D 03004	AK1-2007	8300	8



JTL-1 & 2-13A

JOHNSTON TESTERS

GUIDE TO IDENTIFICATION OF DRILL STEM TEST PRESSURE CHARTS



A. Initial Hyd. Mud
B. First Flow
C. Initial Shut-In
D. Second Flow
E. Second Shut-In
F. Third Flow
G. Final Shut-In
H. Final Hyd. Mud

The following points are either fluctuating pressures or points indicating other packer settings (testing different zones).

A-1, A-2, A-3, etc. Initial Hyd. Pressures
B, B 1, Initial Flow Pressures
C. Initial Shut-In
D-1, D-2, D-3, etc. Second Flow Pressures
E. Second Shut-In
F, F-1, F-2. Third Flow Pressures
G. Final Shut-In
H. Final Hyd. Pressures
Z — Special pressure points such as pumping pressures recorded for formation breakdown.

JOHNSTON TESTERS

FIELD REPORT NO	RECORDER NO	CAPACITY	REPORTS REQUESTED
D 03004	AK1-2021	6950	8

D-03004 Ok-202
Black Stepped

JOHNSTON TESTERS

TEST DATA

Formation	SLAVE POINT	Zone Thickness			Ft
Interval	5690	To 5825	T.D.	7130	Ft
Type of Test	OPEN HOLE, STRADDLE, BYPASS.				
Time Started in Hole	0930	Hrs	Tool Opened	1200	Hrs
First Flow	5	Min	Initial Shut-in	60	Min
Second Flow	90	Min	Second Shut In		Min
Third Flow		Min	Final Shut In	90	Min
Pulled Loose At	1605	Hrs	Out of Hole	1930	Hrs
Wt. Set on Packers	40,000	#	Pulled Loose Wt	20,000	#

Description of Blow During Test

GOOD STRONG AIR BLOW THROUGHOUT TEST. GAS IN 7 MINS. TOOL WAS CHASED 30' DURING TEST PERIOD.

FLUID RECOVERY Was Test Reverse Circulated Yes ☐ No ☒

Total Fluid Recovered 570 Ft

Description of Fluid Recovered

570' BLACK, SULPHUROUS, SALT CUT, DRILLING FLUID.

GAS BLOW MEASUREMENT

Measured With 1" I.D. Riser

Type of Instrument GAUGE, WATER.

Time	Size Choke	Reading Inches	M Cubic Feet/Day
1325 HRS		3	60.0
1350 HRS		3	60.0
1420 HRS		3	60.0

REMARKS: TEST SATISFACTORY.
MFE SAMPLE: SENT TO CORE LAB (EDMONTON).

RESISTIVITY CHLORIDE CONTENT

Recovery Water	@	°F.		ppm.
Mud Pit sample filtrate	@	°F.		ppm.

TOOL SEQUENCE

Tool	Length	O.D
Sub.	.85	
P. O. Sub.	.75	
Sub.	.85	
D. P. Sub.	.65	
MFE Tool	9.10	
Bypass Tool	3.05	
Jars	6.95	
H. Sub.	1.00	
Safety Joint	1.75	
S. S. & Packer	9.20	
T. C. & Packer	5.15	
Total	39.30	
Stub.	1.50	
Perf.	6.00	
R. Sub	1.00	
Recorder	5.90	
Recorder	5.90	
Sub	.87	
Drill Collar	110.55	
Sub	.85	
T. C. & Stub.	2.85	
Total Interval	135.42	
Packer	3.50	
T. C. & Packer	7.20	
Perf.	9.00	
Sub	.85	
Drill Pipe	1282.01	
Sub	.83	
B. N. & Perf.	1.50	
Total Below Intv.	1304.89	
TOTAL LENGTH	1479.61	

Elevation 2057.4 KB. 2045 GL
Bottom Hole Choke Size 1/2"
Fluid Cushion Type Amt.

MUD AND HOLE DATA

Mud Type GEL W.L. 7.0
Filter Cake 2/32 Visc. 90 Wt. 8.9
Time Taken 0200 HRS.
Contractor CASCADE DRLG. Rig No. 1
Drill Pipe Size 4 1/2 IF
Drill Collar Size Length
Main Hole Size 8 3/4"
Rat Hole Size

District FORT ST. JOHN Ticket No. D 03006 Date FEB. 27, 1969 Test No. 3 J.T. No. 3

Company UNION OIL COMPANY OF CANADA LIMITED Address 709 - 8TH AVENUE S.W.
Well Name UNION PAN AM TRAINOR #C-72 CALGARY 2, ALBERTA
Number 60 11' 48.00, 120 13' 50.00 Field WILDCAT Province N.W.T.
Formation and Interval SLAVE POINT DST#3 5690 - 5825 Co. Rep. D. TUETS Technician S. JANZ

Distribution of Reports

7 - CALGARY,
1 - DATA CENTER (ENCLOSED).

JOHNSTON TESTERS

D 03006 PRESSURE DATA

INSTRUMENT No.		AK1-2021	AK1-2007
CAPACITY psig		6950	8300
INSTRUMENT DEPTH Ft.		5697	5703
INSTRUMENT OPENING		OUTSIDE	OUTSIDE
PRESSURE GRADIENT psi/Ft.			
WELL TEMP °F		168°	168°
INITIAL HYDROSTATIC	A	2723#	UNABLE TO READ
FIRST FLOW	B	169#	171#
B-1		169#	171#
INITIAL SHUT IN	C	2085#	2096#
SECOND FLOW	D	119#	129#
D-1		165#	171#
SECOND SHUT IN	E		
THIRD FLOW	F		
FINAL SHUT-IN	G	2084#	2095#
FINAL HYDROSTATIC	H	2704#	2712#

FLUID SAMPLE REPORT

Sample No.	520
Type	STRADDLE
Depth	5653 Ft.
Volume	2500 c.c.
Sample Pressure:	
	PSIG. at Surface
Gravity	API @ °F
Gas Oil Ratio	Cu.Ft./bbl.
Recovery:	
Cu. Ft. Gas	
cc. Oil	
cc. Water	
cc. Mud	
Total Liquid cc.	

*REMARKS:

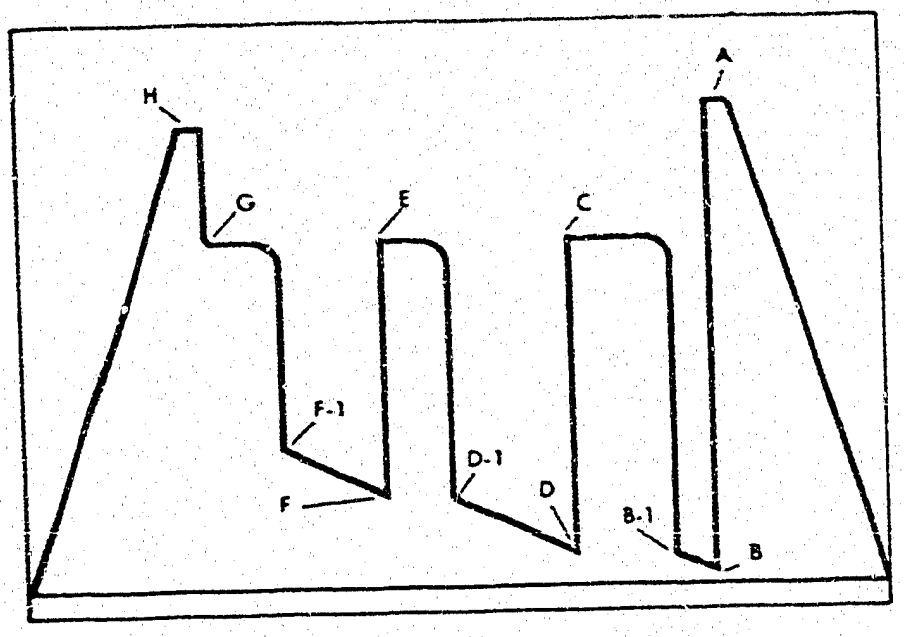
PRESSURE INCREMENTS

POINT MINUTES	PRESSURE	$\frac{T + \Delta T}{\Delta T}$	POINT MINUTES	PRESSURE	$\frac{T + \Delta T}{\Delta T}$	POINT MINUTES	PRESSURE	$\frac{T + \Delta T}{\Delta T}$

JTL-1 & E-13A

JOHNSTON TESTERS

GUIDE TO IDENTIFICATION OF DRILL STEM TEST PRESSURE CHARTS



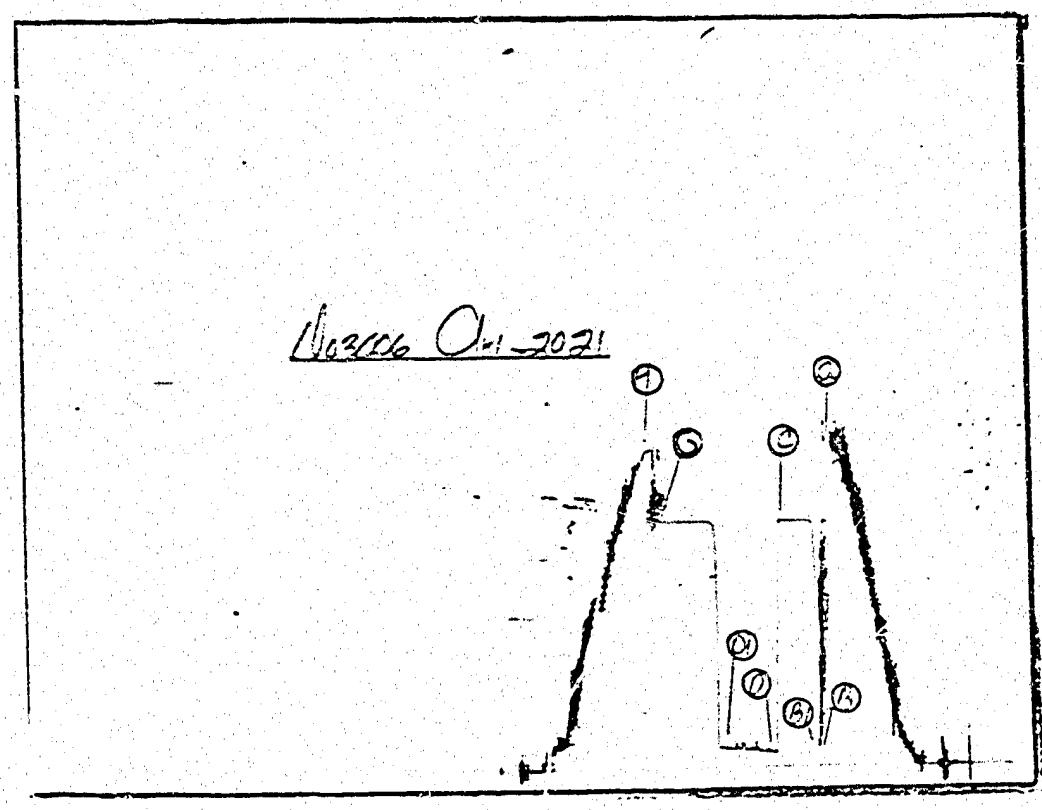
A. Initial Hyd. Mud
B. First Flow
C. Initial Shut-In
D. Second Flow
E. Second Shut-In
F. Third Flow
G. Final Shut-In
H. Final Hyd. Mud

The following points are either fluctuating pressures or points indicating other packer settings (testing different zones).

A-1, A-2, A-3, etc. Initial Hyd. Pressures
B, B-1, Initial Flow Pressures
C, Initial Shut-In
D-1, D-2, D-3, etc. Second Flow Pressures
E, Second Shut-In
F, F-1, F-2. Third Flow Pressures
G, Final Shut-In
H, Final Hyd. Pressures
Z — Special pressure points such as pumping pressures recorded for formation breakdown.

JOHNSTON TESTERS

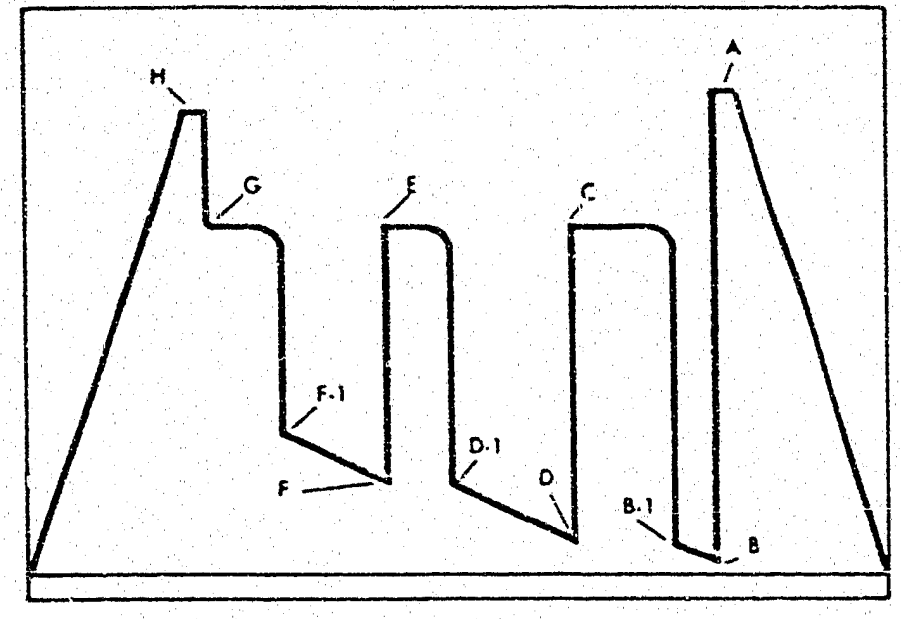
FIELD REPORT NO.	RECORDER NO.	CAPACITY	REPORTS REQUESTED
D 03006	A:K1-2021	6950	8



STL-1 & E-13A

JOHNSTON TESTERS

GUIDE TO IDENTIFICATION OF DRILL STEM TEST PRESSURE CHARTS



A. Initial Hyd. Mud
B. First Flow
C. Initial Shut-In
D. Second Flow
E. Second Shut-In
F. Third Flow
G. Final Shut-In
H. Final Hyd. Mud

The following points are either fluctuating pressures or points indicating other packer settings (testing different zones).

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B, B-1, Initial Flow Pressures
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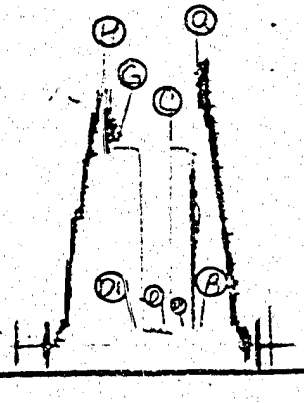
D-1, D-2, D-3, etc. Second Flow Pressures
E, Second Shut-In
F, F-1, F-2, Third Flow Pressures
G, Final Shut-In
H, Final Hyd. Pressures
Z — Special pressure points such as pumping pressures recorded for formation breakdown.

JOHNSTON TESTERS

FIELD REPORT NO.	RECORDER NO.	CAPACITY	REPORTS REQUESTED
D 03006	AK1-2007	8300	8

D03006 AK1-2007



CORE LABORATORIES — CANADA LTD.
PETROLEUM RESERVOIR ENGINEERING

GAS ANALYSIS

Company: Union Oil Company of Canada Limited — Page: 1 of 3
Well: Union Pan Am Trainor O-72 — File: CFH-2-4356 / CFH-1-1417
Field: Trainor Lake Area, Northwest Territories — Analyst: PS
Location: 60 11'48.00" NL, 120 13'50.00" WL — Elevation: K.B. 2057' Grd. 2045'
Formation: Sleve Point — Depth: 5690' - 5625'
Sampled from: DST No. 3 (Flare Line) — by: Johnston Testers Tool No. 520
Sampling pressure: _____ psig — Sampling temp.: _____ °F — Ambient temp.: _____ °F
Date sampled: Feb.27, 1969 — Date received: March 5, 1969 — Date analyzed: March 6, 1959
Container pressure: 40 — Mud: _____ — Water cushion: _____
Recovery or flowrate: Gas @ 50 Mcf/d

COMPONENT	MOLE %	IMP. GPM @ 14.65 psia and 60°F
Hydrogen	0.59	
Helium	0.14	
Nitrogen	1.52	
Carbon Dioxide	1.36	
Hydrogen Sulphide		
Methane	95.36	
Ethane	0.99	
Propane	0.04	0.009
Iso Butane	Trace	Trace
Normal Butane	Trace	Trace
Iso Pentane		
Normal Pentane		
Hexanes		
Heptanes Plus		
Total	100.00	0.009
Pentanes Plus		

SPECIFIC GRAVITY
Calculated 0.575 — Measured _____

GROSS B.T.U. per SCF 994.0
Calculated @ 14.65 psia, 60°F, moisture and acid - gas free.

VAPOR PRESSURE of PENTANES PLUS
(calculated) _____

Critical Pressure 672.2 psia
Critical Temperature 345.1 °R

Remarks: Recovered 900 ccs water from JT Tool No. 520

CORE LABORATORIES — CANADA LTD.
PETROLEUM RESERVOIR ENGINEERING

GAS ANALYSIS

Company: Union Oil Company of Canada Limited — Page: 2 of 3

Well: Union Pan Am Trainor O-72 — File: CRR-1-1417 CRR-2-4356

Field: Trainor Lake Area, Northwest Territories — Analyst: PS

Location: 60 11'48.00" NL 120 13'50.00" WL — Elevation: K.B. 2057' Grd. 2045'

Formation: Slave Point — Depth: 5690' - 5825'

Sampled from: DST No. 3 (Flare Line) — by: Johnston testers bottle No. LC 50

Sampling pressure: _____ psig — Sampling temp.: _____ °F — Ambient temp.: _____ °F

Date sampled: Feb. 27, 1969 — Date received: March 5, 1969 — Date analyzed: March 6, 1969

Container pressure: 1 psia — Mud: _____ — Water cushion: _____

Recovery or flowrate: Gas @ 60 Mcf/d

COMPONENT	MOLE %	IMP. GPM @ 14.65 psia and 60°F
Hydrogen		
Helium	0.11	
Nitrogen	21.83	
Carbon Dioxide	3.30	
Hydrogen Sulphide		
Methane	73.94	
Ethane	0.76	
Propane	0.04	0.009
Iso Butane	0.01	0.003
Normal Butane	0.01	0.003
Iso Pentane		
Normal Pentane		
Hexanes		
Heptanes Plus		
Total	100.00	0.015
Pentanes Plus		

SPECIFIC GRAVITY

Calculated 0.680 Measured _____

GROSS B.T.U. per SCF 785.6

Calculated @ 14.65 psia, 60°F, moisture and acid - gas free.

VAPOR PRESSURE of PENTANES PLUS

(calculated) _____

Critical Pressure 646.2 psia

Critical Temperature 337.7 °R

Remarks _____

CORE LABORATORIES – CANADA LTD.

PETROLEUM RESERVOIR ENGINEERING

WATER ANALYSIS

CDH-1-1417

File CDH-2-4356 Page 3 of 3

Company Union Oil Company of Canada Limited

Well Union Pan Am Trainor O-72 K.B. 2057' Grd. 2045'

Location 60 11'48.00" NL 120 13'50.00" WL Field Trainor Lake Area Province Northwest Territories

Formation Slave Point Interval 5690'-5825'

Sampled from DST #3 by Tool #520 Johnston Testers

Date sampled Feb. 27/69 Date analyzed Mar. 7/69 Analyst A.M.

Recovery Gas @ 60 Mcf/d

Mud type Water cushion

Resistivity 0.24 Ohm-meters @ 66 °F

Specific gravity 1.0220 @ 60°F

pH 7.1 H_2S Absent

Refractive Index 1.339 @ 66°F

Total Solids:

Calculated 31,736 mg/liter

By evaporation @ 110°C - mg/liter

By evaporation @ 180°C - mg/liter

At ignition - mg/liter

MILLIGRAMS PER LITER

Na + K	Ca	Mg	Fe	Ba	Br	I	Cl	HCO_3	SO_4	CO_3	OH
9,080	2,587	46	Pres.	Abs.	-	-	15,539	854	3,630	-	-

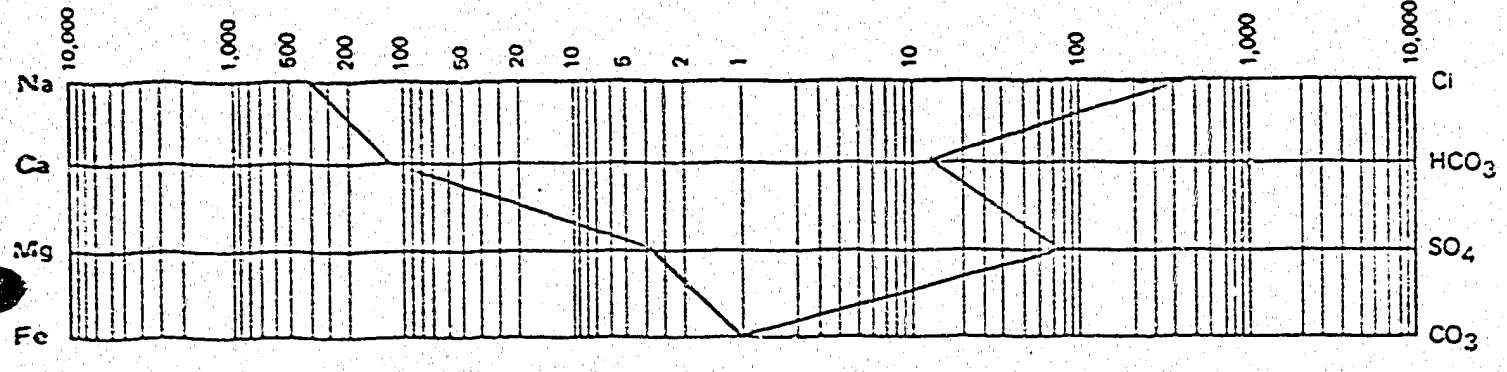
PER CENT CALCULATED SOLIDS

28.6	8.2	0.1	Pres.	Abs.	-	-	49.0	2.7	11.4	-	-

MEQ PER LITER

394.8	129.1	3.8	Pres.	Abs.	-	-	438.2	14.0	75.5	-	-

LOGARITHMIC PATTERN MEQ PER LITER



CORE LABORATORIES – CANADA LTD.

PETROLEUM RESERVOIR ENGINEERING

WATER ANALYSIS

File CPH-2-4303 (Page 1 of 1)

Company Union Oil Company of Canada Limited

Well Union Pan Am Trainor O-72 K.B. — Grd. 2045'

Location 60 11'43.00 NL 120 13'50.00 WL Field Trainor Lake Area Province Northwest Territories

Formation Prescu'l le Interval 5975' - 6027

Sampled from DST No. 2 (IFE Tool) by —

Date sampled Feb. 18, 1969 Date analyzed Feb. 25, 19 — Analyst AN

Recovery —

— Mud type — Water cushion —

Resistivity 0.063 Ohm-meters @ 65 °F

Specific gravity 1.1090 @ 60°F

pH 6.20 H_2S Present

Refractive Index 1.365 @ 65°F

Total Solids:

Calculated 158,320 mg/liter

By evaporation @ 110°C - mg/liter

By evaporation @ 180°C - mg/liter

At ignition - mg/liter

MILLIGRAMS PER LITER

Na + K	Ca	Mg	Fe	Ba	Br	I	Cl	HCO_3	SO_4	CO_3	OH
41,943	16,027	1,800	Pres.	Abs.	-	-	97,720	390	440	-	-

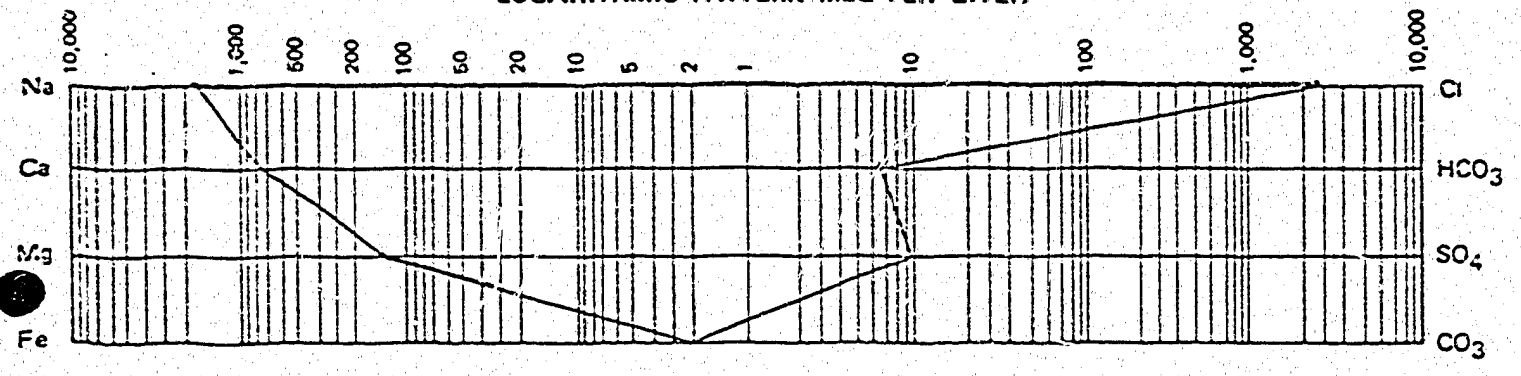
PER CENT CALCULATED SOLIDS

26.5	10.1	1.1	Pres.	Abs.	-	-	61.7	0.3	0.3	-	-

MEQ PER LITER

1823.6	799.7	148.0	Pres.	Abs.	-	-	2755.7	6.4	9.2	-	-

LOGARITHMIC PATTERN MEQ PER LITER



CORE LABORATORIES – CANADA LTD.

PETROLEUM RESERVOIR ENGINEERING

WATER ANALYSIS

File CRH-2-4274 (Page 1 of

Company Union Oil Company of Canada Limited

Well Union Pan Am Trainor O-72 K.B. Grd. 2045'

Location 60 11'48.00 N.L. 120 13'50.00 W.L. Field Trainor Lake Area Province Northwest Territorie

Formation Upper Elk Point Interval 5848' - 5892'

Sampled from DST No. 1 (Bottom of Drill Pipe) by

Date sampled Feb. 16, 1969 Date analyzed Feb. 21, 1969 Analyst AM

Recovery 125' Mud, 300' Salt Water

Mud type Water cushion

Resistivity 0.082 Ohm-meters @ 66 °F

Specific gravity 1.0682 @ 60°F

pH 6.52 H_2S Absent

Refractive Index 1.351 @ 66°F

Total Solids:

Calculated 107,380 mg/liter

By evaporation @ 110°C - mg/liter

By evaporation @ 180°C - mg/liter

At ignition - mg/liter

MILLIGRAMS PER LITER

Na + K	Ca	Mg	Fe	Ba	Br	I	Cl	HCO_3	SO_4	CO_3	OH
28,697	10,495	1,260	Abs.	Abs.	-	-	65,607	595	726	-	-

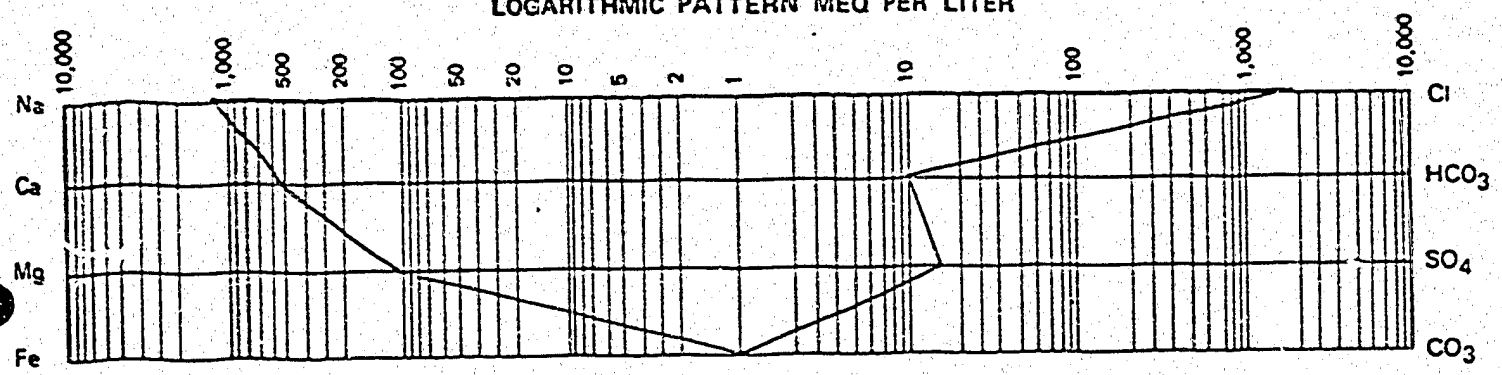
PER CENT CALCULATED SOLIDS

26.7	9.7	1.2	Abs.	Abs.	-	-	61.1	0.6	0.7	-	-

MEQ PER LITER

1247.7	523.7	103.6	Abs.	Abs.	-	-	1850.1	9.8	15.1	-	-

LOGARITHMIC PATTERN MEQ PER LITER



CORE LABORATORIES – CANADA LTD.

PETROLEUM RESERVOIR ENGINEERING

WATER ANALYSIS

File CDH-2-4434 Page 1 of 2

Company: Union Oil Company of Canada Limited

Well: Union Pan Am Trainor O-72 K.B. — Grd. 2045'

Location: 60 11'48.00" N.L. 120 13'50.00" W.L. Field: Trainor Lake Area Province: N.W.T.

Formation: Slave Point Interval: 5690'-5825'

Sampled from: DST #3 (Drill Pipe - Bottom) by —

Date sampled: Feb. 27/69 Date analyzed: Mar. 21/69 Analyst: A.M.

Recovery —

— Mud type — Water cushion —

Resistivity 0.31 Ohm-meters @ 67 °F

Specific gravity 1.0192 @ 60°F

pH 8.0 H_2S Absent

Refractive Index 1.339 @ 67°F

Total Solids:

Calculated 26,228 mg/liter

By evaporation @ 110°C - mg/liter

By evaporation @ 180°C - mg/liter

At ignition - mg/liter

MILLIGRAMS PER LITER

Na + K	Ca	Mg	Fe	Ba	Br	I	Cl	HCO_3	SO_4	CO_3	OH
7,114	1,908	221	Pres.	Abs.	-	-	9,876	839	6,270	-	-

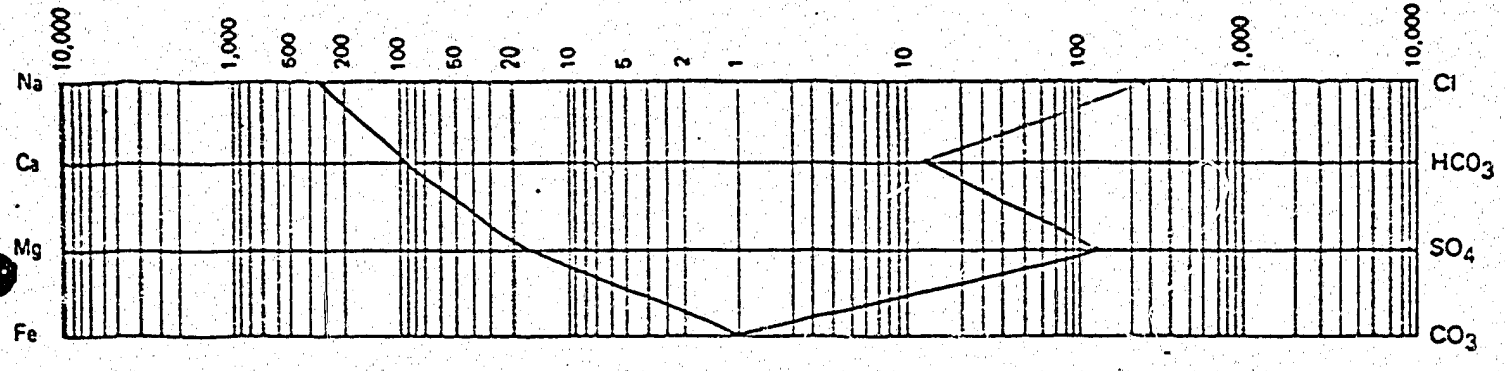
PER CENT CALCULATED SOLIDS

27.1	7.3	0.8	Pres.	Abs.	-	-	37.7	3.2	23.9	-	-

MEQ PER LITER

309.3	95.2	18.2	Pres.	Abs.	-	-	278.5	13.8	130.4	-	-

LOGARITHMIC PATTERN MEQ PER LITER



CORE LABORATORIES-CANADA LTD.
CALGARY ALBERTA

ANALYSIS "Mud Filtrate"

Company Union Oil Company of Canada Limited Page 2 of 2

Well Union Pan Am Trainor O-72 File CCH-2-4434

Field Trainor Lake Area, N.W.T. Date March 24, 1969

Location 60 11'43.00" N.L. 120 13'50.00" W.L. Analysts A.M.

SAMPLING CONDITIONS

Formation Slave Point Depths 5690'-5825'

Sampled from DST #3 By _____ Of _____

Date Sampled Feb. 27/69 Date Received Mar. 20 Date Analyzed Mar. 21/69

Pressure _____ psig. Temperature _____ °F Atmospheric Temp. ____ °F

DST Recovery or Flowrate Black Sulphurous Mud

Drill Pipe - 570' Above Packer

Chloride - 622 mg/liter
Resistivity - 0.84 Ohm-meters @ 74°F

Drill Pipe - 270' Above Test Tool

Chloride - 1070 mg/liter
Resistivity - 0.80 Ohm-meters @ 74°F

Mud Tank

Chloride - 483 mg/liter
Resistivity - 0.85 Ohm-meters @ 74°F

TECHNICAL REPORT

JOHNSTON

A DIVISION OF HALLIBURTON — JOHNSTON TESTERS

TEST DATA

Formation		Zone Thickness			Ft.
Interval	5848 To	5892	T.D.	5892	Ft.
Type of Test	OPEN HOLE, BOTTOM HOLE.				
Time Started on Hole	0300 Hrs	Tool Opened	0719	Hrs.	
First Flow	5 Min.	Initial Shut-In	60	Min.	
Second Flow	60 Min.	Second Shut In		Min.	
Third Flow	Min.	Final Shut In	60	Min.	
Pulled Loose @	1024 Hrs.	Out of Hole	1324	Hrs.	
Wt. Set on Packers	40,000 #	Pulled Loose Wt.	20,000	#	

Description of Blow During Test

WEAK AIR BLOW, DEAD IN 60 MINS.
TOOL WAS CHASED 20' DURING TEST PERIOD.

FLUID RECOVERY

Was Test Reverse Circulated Yes ☐ No ☒

Total Fluid Recovered 425 Ft.

Description of Fluid Recovered

125' DRILLING FLUID.

300' WATER.

GAS BLOW MEASUREMENT

Measured With I.D. Riser

Type of Instrument

Time	Stce. Choke	Reading Inches	M Cubic Feet/Day

REMARKS: TEST SATISFACTORY.
MFE SAMPLE: DRAINED ON LOCATION.

	RESISTIVITY		CHLORIDE CONTENT	
Recovery Water	@	°F.	50,000	ppm.
Mud Pit sample filtrate	@	°F. SALT	82,500	ppm.

TOOL SEQUENCE

Tool	Length	O.D.
SUB	.85	
P. O. SUB	.75	
SUB	.85	
D. P. SUB.	.65	
MFE TOOL	9.10	
BYPASS TOOL	3.05	
JARS	6.95	
SAFETY JOINT	1.75	
S. S. & PACKER	9.20	
T. C. & PACKER	5.15	
TOTAL	38.28	
STUB.	1.20	
PERF.	6.00	
RECORDER	5.90	
RECORDER	5.90	
PERF.	24.00	
B. N. & PERF.	1.50	
TOTAL INTERVAL	44.50	

TOTAL LENGTH	82.78	
Elevation	2057.4 KB. 2045 GL.	
Bottom Hole Choke Size	1/2"	
Fluid Cushion Type	Amt.	

MUD AND HOLE DATA

Mud Type	GEL			W.L.	6.8
Filter Cake	2/32	Visc.	80	Wt.	9.0
Time Taken	2300 HRS.				
Contractor	CASCADE DRLG.			Rig No.	1
Drill Pipe Size	4 1/2 IF				
Drill Collar Size	2 7/8 ID	Length	453.56'		
Main Hole Size	8 3/4"				
Rat Hole Size					

District FORT ST. JOHN Ticket No. D 03003 Date FEB. 16, 1969 Test No. 1 J.T. No. 1

Company UNION OIL COMPANY OF CANADA LIMITED Address 709 - 8TH AVENUE S.W.

Well Name UNION PAN AM TRAINOR #C-72 CALGARY 2, ALBERTA

Number 60 11'48.00 Field WILDCAT Province N.W.T.

120 13'50.00 Co. Rep. D. TUFFTS

and Interval 5848 - 5892 DST#1 Technician S. JANZ

Distribution of Reports

7 - CALGARY,
1 - DATA CENTER (ENCLOSED).

JT-14E-SB

SCHLUMBERGER WELL SERVICES

D 03003

PRESSURE DATA

INSTRUMENT No.		AK1-2007	AK1-2021
CAPACITY psig		8300	6950
INSTRUMENT DEPTH FT		5855	5861
INSTRUMENT OPENING		OUTSIDE	OUTSIDE
PRESSURE GRADIENT psi/FT			
WELL TEMP °F		158°	158°
INITIAL HYDROSTATIC	A	2822#	2821#
FIRST FLOW	B	139#	132#
B-1		188#	192#
INITIAL SHUT-IN	C	2153#	2148#
SECOND FLOW	D	147#	146#
D-1		229#	CLOCK
SECOND SHUT-IN	E		STOPPED
THIRD FLOW	F		
FINAL SHUT IN	G	2145#	
FINAL HYDROSTATIC	H	2817#	

FLUID SAMPLE REPORT

Sample No.	1
Type	B.H.
Depth	5810 ft.
Volume	2500 c.c.
Sample Pressure:	
	100 psig. at Surface
Gravity	API @ °F
Gas Oil Ratio	Cu.Ft./bbl.
Recovery:	
Cu. Ft. Gas	4/10
cc. Oil	
cc. Water	
cc. Mud	
Total Liquid cc.	

REMARKS:

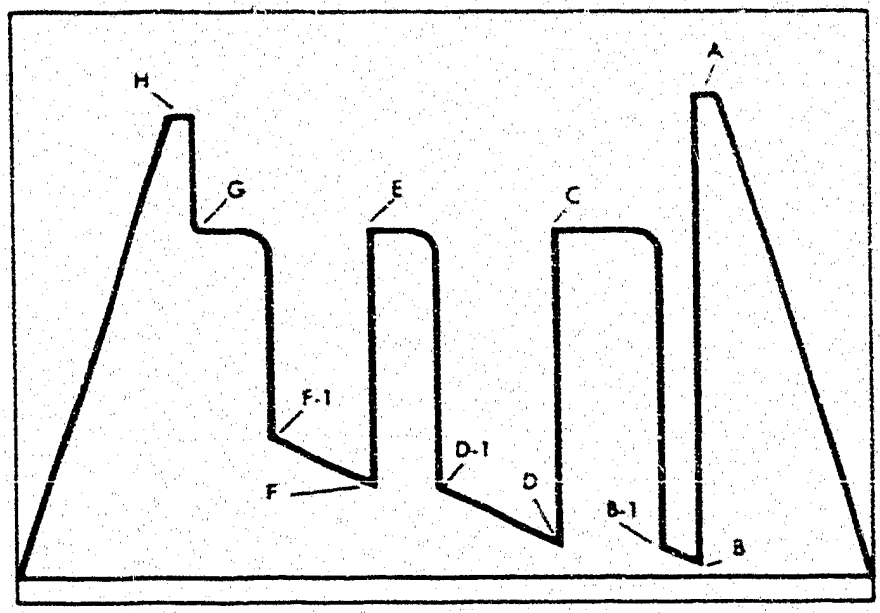
PRESSURE INCREMENTS

POINT MINUTES	PRESSURE	$\frac{T + \Delta t}{\Delta t}$	POINT MINUTES	PRESSURE	$\frac{T + \Delta t}{\Delta t}$	POINT MINUTES	PRESSURE	$\frac{T + \Delta t}{\Delta t}$

JTL-1 & S-12A

JOHNSTON TESTERS

GUIDE TO IDENTIFICATION OF DRILL STEM TEST PRESSURE CHARTS



A. Initial Hyd. Mud
B. First Flow
C. Initial Shut-In
D. Second Flow
E. Second Shut-In
F. Third Flow
G. Final Shut-In
H. Final Hyd. Mud

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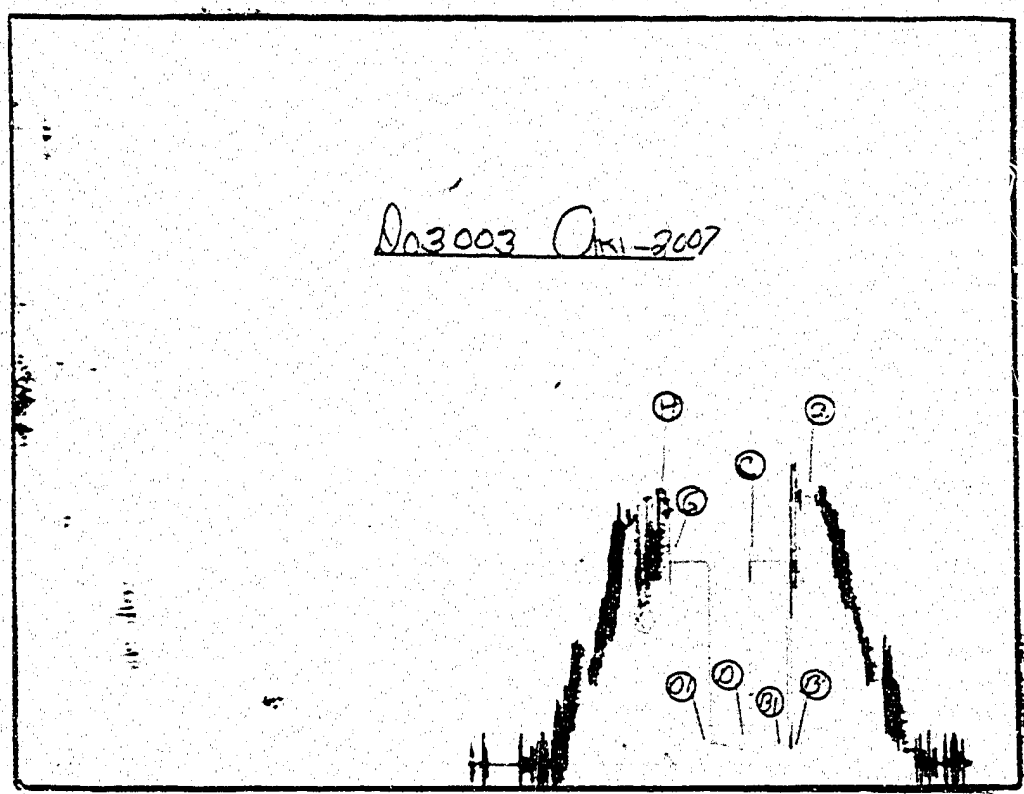
B, B-1, Initial Flow Pressures
C, Initial Shut-In
D-1, D-2, D-3, etc. Second Flow Pressures
E, Second Shut-In
F, F-1, F-2, Third Flow Pressures
G, Final Shut-In
H, Final Hyd. Pressures
Z — Special pressure points such as pumping pressures recorded for formation breakdown.

JOHNSTON TESTERS

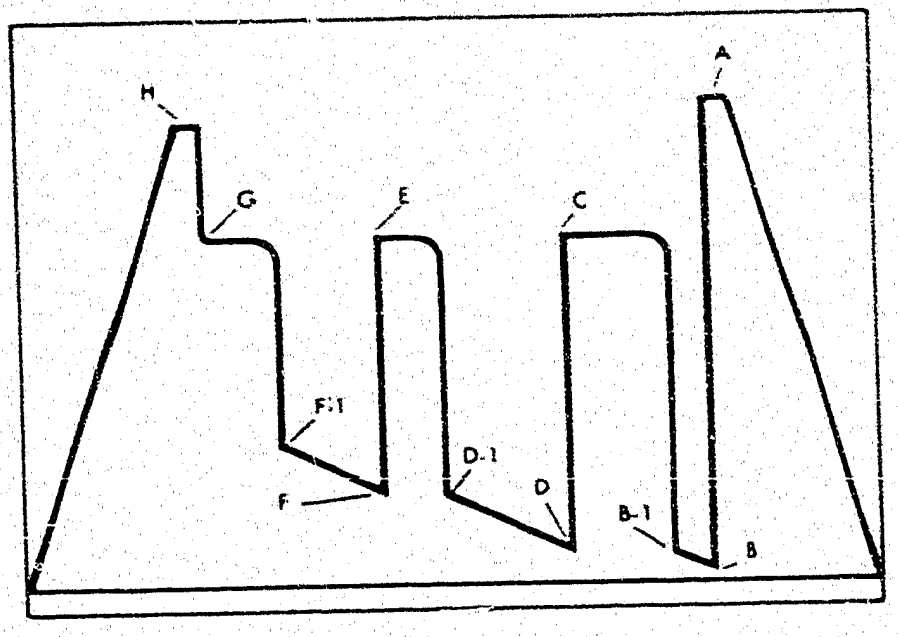
FIELD REPORT NO.	RECORDER NO.	CAPACITY	REPORTS REQUESTED
D 03003	AK1-2007	8300	8



JTL-1 & E-13A

JOHNSTON TESTERS

GUIDE TO IDENTIFICATION OF DRILL STEM TEST PRESSURE CHARTS



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E. Second Shut-In
F. Third Flow
G. Final Shut-In
H. Final Hyd. Mud

The following points are either fluctuating pressures or points indicating other packer settings (testing different zones).

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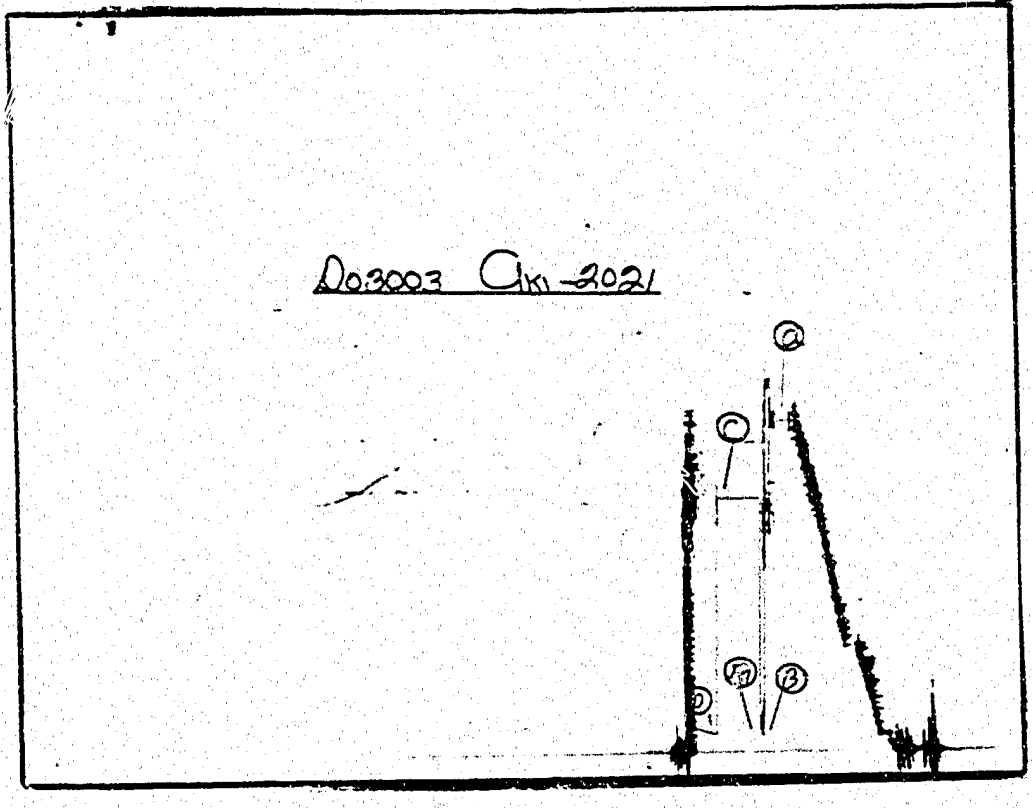
B, B-1, Initial Flow Pressures
C, Initial Shut-In
D-1, D-2, D-3, etc. Second Flow Pressures
E, Second Shut-In
F, F-1, F-2, Third Flow Pressures
G, Final Shut-In
H, Final Hyd. Pressures
Z — Special pressure points such as pumping pressures recorded for formation breakdown.

JOHNSTON TESTERS

FIELD REPORT NO	RECORDER NO	CAPACITY	REPORTS REQUESTED
D 03003	AK1-2021	6950	3

D03003 Ak1-2021



TECHNICAL REPORT

JOHNSTON

JOHNSTON TESTERS

TEST DATA

Formation		Zone Thickness			Ft.
Interval	5975 To	6027	T.D	6027	Ft.
Type of Test	OPEN HOLE, BOTTOM HOLE.				
Time Started in Hole	2015 Hrs.	Tool Opened	2356	Hrs.	
First Flow	5 Min.	Initial Shut-In	60	Min.	
Second Flow	60 Min.	Second Shut In		Min.	
Third Flow	Min.	Final Shut In	60	Min.	
Pulled Loose at	0301 Hrs.	Out of Hole	0800	Hrs.	
Wt. Set on Packers	40,000 #	Pulled Loose Wt.	20,000	#	

Description of Blow During Test

STRONG AIR BLOW, DEAD IN 30 MINS.
TOOL WAS CHASED 15' DURING TEST PERIOD.

FLUID RECOVERY

Was Test Reverse Circulated Yes ☐ No ☒

Total Fluid Recovered 4625 Ft.

Description of Fluid Recovered

815' DRILLING FLUID.
3810' BLACK, SULPHUROUS, SALT WATER.

GAS BLOW MEASUREMENT

Measured With I.D. Riser

Type of Instrument

Time	Size Choke	Reading Inches	M Cubic Feet/Day

REMARKS: TEST SATISFACTORY.
MFE SAMPLE: DRAINED ON LOCATION.

	RESISTIVITY		CHLORIDE CONTENT	
Recovery Water	@	°F.	50,000	ppm.
Mud Pit sample filtrate	@	°F. SALT	80,500	ppm.

TOOL SEQUENCE

Tool	Length	O.D.
SUB.	.85	
P. O. SUB.	.75	
SUB.	.83	
D. P. SUB.	.65	
MFE TOOL	9.10	
BYPASS TOOL	3.05	
JARS	6.95	
SAFETY JOINT	1.75	
S. S. & PACKER	9.20	
T. C. & PACKER	5.15	
TOTAL	38.28	
STUB.	1.20	
PERF.	6.00	
RECORDER	5.90	
RECORDER	5.90	
PERF.	32.00	
B. N. & PERF.	1.50	
TOTAL INTERVAL	52.50	
TOTAL LENGTH	90.78	

Elevation 2057.4 KB. 2045 GL.
Bottom Hole Choke Size 1/2"
Fluid Cushion Type Amt.

MUD AND HOLE DATA

Mud Type GEL W.L. 7.8
Filter Cake 2/32 Visc. 83 Wt. 9.0
Time Taken 1600 HRS.
Contractor CASCADE DRLG. Rig No. 1
Drill Pipe Size 4 1/2 IF
Drill Collar Size 2 7/8 ID Length 456'
Main Hole Size 8 3/4"
Rat Hole Size

District FORT ST. JOHN Ticket No. D 03004 Date FEB. 17, 1969 Test No. 2 J.T. No. 2

Company UNION OIL COMPANY OF CANADA LIMITED Address 709 - 8TH AVENUE S.W.
CALGARY 2, ALBERTA

Well Name UNION PAN AM TRAINOR #C-72

Number 60 11' 48.00
120 13' 50.00

Field WILDCAT Province N.W.T.

Co. Rep. D. TUFTS

and Interval 5975 - 6027 DST#2

Technician S. JANZ

Distribution of Reports

7 - CALGARY,
1 - DATA CENTER (ENCLOSED).

/T-10E-99

CHRISTENSEN DIAMOND PRODUCTS

D 03004

PRESSURE DATA

INSTRUMENT No.		AK1-2007	AK1-2021
CAPACITY psig		9300	6950
INSTRUMENT DEPTH FT		5982	5988
INSTRUMENT OPENING		OUTSIDE	OUTSIDE
PRESSURE GRADIENT psi/FT			
WELL TEMP °F		159°	159°
INITIAL HYDROSTATIC	A	2869#	
FIRST FLOW	B	1891#	
B-1		1945#	
INITIAL SHUT-IN	C	2214#	
SECOND FLOW	D	1877#	
D-1		2216#	CLOCK
SECOND SHUT-IN	E		STOPPED
THIRD FLOW	F		
FINAL SHUT-IN	G	2218#	
FINAL HYDROSTATIC	H	2856#	

FLUID SAMPLE REPORT

Sample No.	1
Type	B.H.
Depth	5933 FT.
Volume	2500 c.c.
Sample Pressure:	
	200 psig. at Surface
Gravity	API @ °F
Gas Oil Ratio	Cu.Ft./bbl.
Recovery:	
Cu. Ft. Gas	
cc. Oil	
cc. Water	2500
cc Mud	2500
Total Liquid cc.	

REMARKS:

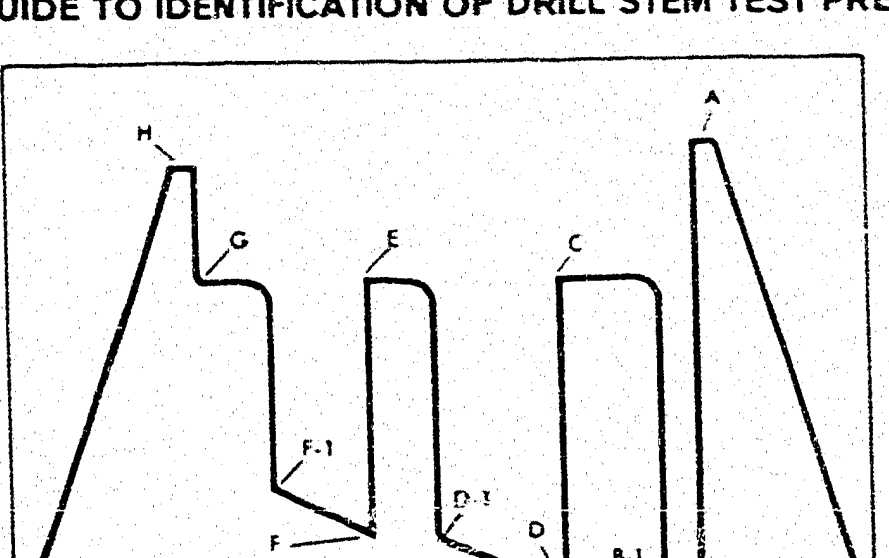
PRESSURE INCREMENTS

POINT MINUTES	PRESSURE	$\frac{T + \Delta t}{\Delta t}$	POINT MINUTES	PRESSURE	$\frac{T + \Delta t}{\Delta t}$	POINT MINUTES	PRESSURE	$\frac{T + \Delta t}{\Delta t}$

JTL-1 8 E-13A

JOHNSTON TESTERS

GUIDE TO IDENTIFICATION OF DRILL STEM TEST PRESSURE CHARTS



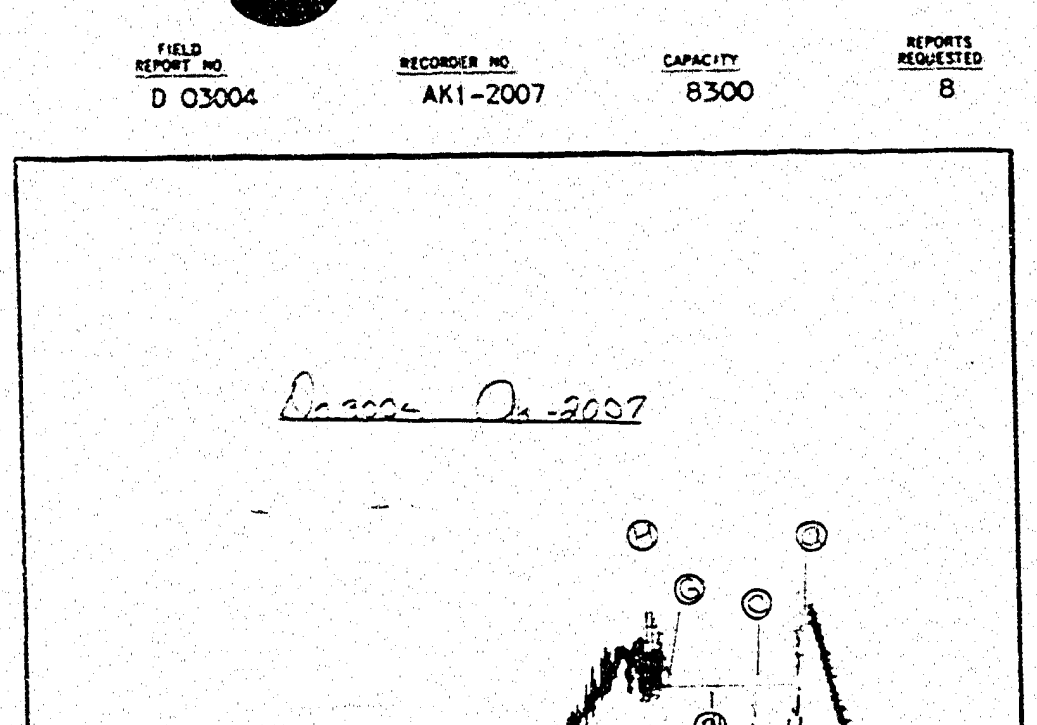
A. Initial Hyd. Mud
B. First Flow
C. Initial Shut-In
D. Second Flow
E. Second Shut-In
F. Third Flow
G. Final Shut-In
H. Final Hyd. Mud

The following points are either fluctuating pressures or points indicating other packer settings (testing different zones).

A-1, A-2, A-3, etc. Initial Hyd. Pressures
B, B-1, Initial Flow Pressures
C, Initial Shut-In
D-1, D-2, D-3, etc. Second Flow Pressures
E, Second Shut-In
F, F-1, F-2. Third Flow Pressures
G, Final Shut-In
H, Final Hyd. Pressures
Z — Special pressure points such as pumping pressures recorded for formation breakdown.

JOHNSTON TESTERS

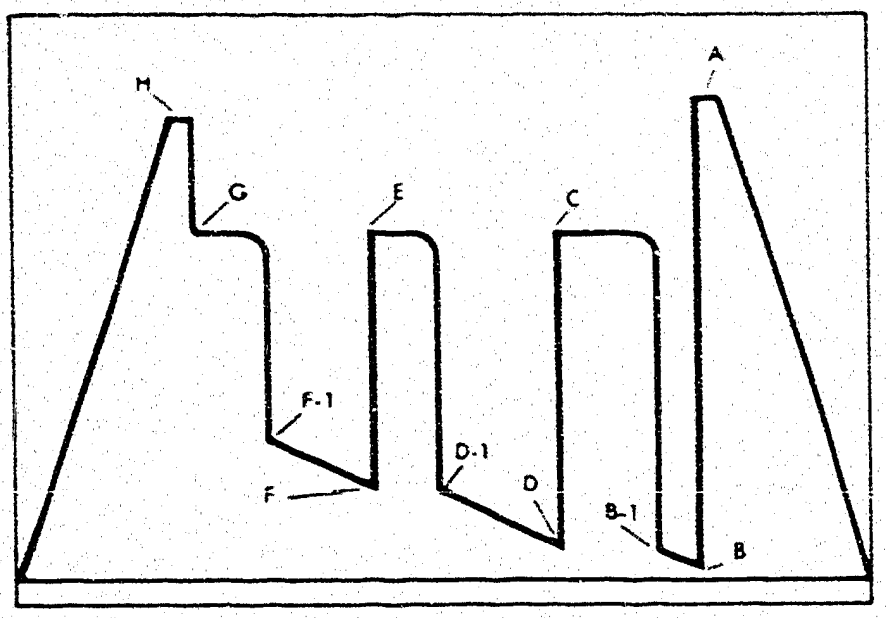
FIELD REPORT NO	RECORDER NO	CAPACITY	REPORTS REQUESTED
D 03004	AK1-2007	8300	8



JTL-1 & E-13A

JOHNSTON TESTERS

GUIDE TO IDENTIFICATION OF DRILL STEM TEST PRESSURE CHARTS



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E. Second Shut-In
F. Third Flow
G. Final Shut-In
H. Final Hyd. Mud

The following points are either fluctuating pressures or points indicating other packer settings (testing different zones).

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C, Initial Shut-In
D-1, D-2, D-3, etc. Second Flow Pressures
E, Second Shut-In
F, F-1, F-2. Third Flow Pressures
G, Final Shut-In
H, Final Hyd. Pressures
Z — Special pressure points such as pumping pressures recorded for formation breakdown.

JOHNSTON TESTERS

FIELD REPORT NO	RECORDER NO	CAPACITY	REPORTS REQUESTED
D 03004	AK1-2021	6950	8

D=0004 D4-202

Jo Jack Stapped

TECHNICAL REPORT

JOHNSTON

JOHNSTON TESTERS

TEST DATA

Formation	SLAVE POINT	Zone Thickness			Ft
Interval	5690 To	5825 TD	7130		Ft
Type of Test	OPEN HOLE, STRADDLE, BYPASS.				
Time Started in Hole	0930 Hrs	Tool Opened	1200	Hrs	
First Flow	5 Min	Initial Shut-In	60	Min.	
Second Flow	90 Min	Second Shut In		Min	
Third Flow	Min	Final Shut In	90	Min	
Pulled Loose At	1505 Hrs	Out of Hole	1930	Hrs	
Wt. Set on Packers	40,000 #	Pulled Loose Wt.	20,000	#	

Description of Blow During Test

GOOD STRONG AIR BLOW THROUGHOUT TEST.
GAS IN 7 MINS. TOOL WAS CHASED 30'
DURING TEST PERIOD.

FLUID RECOVERY Was Test Reverse Circulated Yes ☐ No ☒

Total Fluid Recovered 570 Ft

Description of Fluid Recovered

570' BLACK, SULPHUROUS, SALT CUT, DRILLING FLUID.

GAS BLOW MEASUREMENT

Measured With 1" ID Riser

Type of Instrument GAUGE, WATER

Time	Size Choke	Reading Inches	M Cubic Feet Day
1325 HRS		3	60.0
1350 HRS		3	60.0
1420 HRS		3	60.0

REMARKS: TEST SATISFACTORY.
MFE SAMPLE: SENT TO CORE LAB (EDMONTON).

	RESISTIVITY		CHLORIDE CONTENT
Recovery Water	@	°F.	ppm.
Mud Pit sample filtrate	@	°F.	ppm.

TOOL SEQUENCE

Tool	Length	O.D
SUB.	.85	
P. O. SUB.	.75	
SUB.	.85	
D. P. SUB.	.65	
MFE TOOL	9.10	
BYPASS TOOL	3.05	
JARS	6.95	
H. SUB.	1.00	
SAFETY JOINT	1.75	
S. S. & PACKER	9.20	
T. C. & PACKER	5.13	
TOTAL	39.30	
STUB.	1.50	
PERF.	6.00	
R. SUB.	1.00	
RECORDER	5.90	
RECORDER	5.90	
SUB.	.87	
DRILL COLLAR	110.55	
SUB.	.85	
T. C. & STUB.	2.85	
TOTAL INTERVAL	135.42	
PACKER	3.50	
T. C. & PACKER	7.20	
PERF.	9.00	
SUB.	.85	
DRILL PIPE	1282.01	
SUB.	.83	
B. N. & PERF.	1.50	
TOTAL BELOW INTV.	1304.89	
TOTAL LENGTH	1479.61	
Elevation	2057.4 KB.	2045 GL.
Bottom Hole Choke Size		1/2"
Fluid Cushion Type		Amt.

MUD AND HOLE DATA

Mud Type	GEL		W.L.	7.0	
Filter Cake	2/32	Visc. 90	Wt.	8.9	
Time Taken	0200 HRS				
Contractor	CASCADE DRLG.		Rig No.	1	
Drill Pipe Size	4 1/2 IF				
Drill Collar Size		Length			
Main Hole Size	8 3/4"				
Rat Hole Size					

District FORT ST. JOHN Ticket No. D 03006 Date FEB. 27, 1969 Test No. 3 J.T. No. 3

Company UNION OIL COMPANY OF CANADA LIMITED Address 709 - 8TH AVENUE S.W.

Well Name UNION PAN AM TRAINOR #C-72 CALGARY 2, ALBERTA

Number 60 11'48.00, 120 13'50.00 Field WILDCAT Province N.W.T.

Formation SLAVE POINT DST#3 Co. Rep. D. TUFTS

and Interval 5690 - 5825 Technician S. JANZ

Distribution of Reports

7 - CALGARY,
1 - DATA CENTER (ENCLOSED).

JOHNSTON TESTERS

D 03006 **PRESSURE DATA**

INSTRUMENT No.		AK1-2021	AK1-2007
CAPACITY psig		6950	8300
INSTRUMENT DEPTH FT		5697	5703
INSTRUMENT OPENING		OUTSIDE	OUTSIDE
PRESSURE GRADIENT psi/FT			
WELL TEMP °F		168°	168°
INITIAL HYDROSTATIC	A	2723#	UNABLE TO READ
FIRST FLOW	B	169#	171#
B-1		169#	171#
INITIAL SHUT IN	C	2085#	2096#
SECOND FLOW	D	119#	129#
D-1		165#	171#
SECOND SHUT IN	E		
THIRD FLOW	F		
FINAL SHUT IN	G	2084#	2095#
FINAL HYDROSTATIC	H	2704#	2712#

FLUID SAMPLE REPORT

Sample No	520
Type	STRADDLE
Depth	5653 ft.
Volume	2500 c.c.
Sample Pressure:	psig. at Surface
Gravity	API @ °F
Gas Oil Ratio	Cu.Ft./bbl.
Recovery	
Cu. Ft. Gas	
cc Oil	
cc Water	
cc Mud	
Total Liquid cc	

REMARKS:

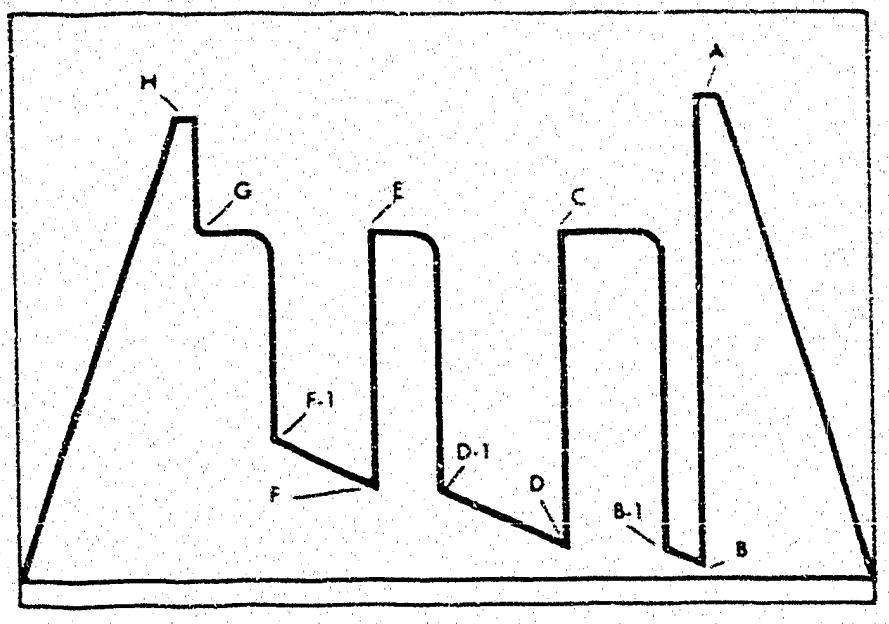
PRESSURE INCREMENTS

POINT MINUTES	PRESSURE	$\frac{T - \Delta T}{\Delta T}$	POINT MINUTES	PRESSURE	$\frac{T - \Delta T}{\Delta T}$	POINT MINUTES	PRESSURE	$\frac{T + \Delta T}{\Delta T}$

STYLE E-13A

JOHNSTON TESTERS

GUIDE TO IDENTIFICATION OF DRILL STEM TEST PRESSURE CHARTS



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B. First Flow
C. Initial Shut-In
D. Second Flow
E. Second Shut-In
F. Third Flow
G. Final Shut-In
H. Final Hyd. Mud

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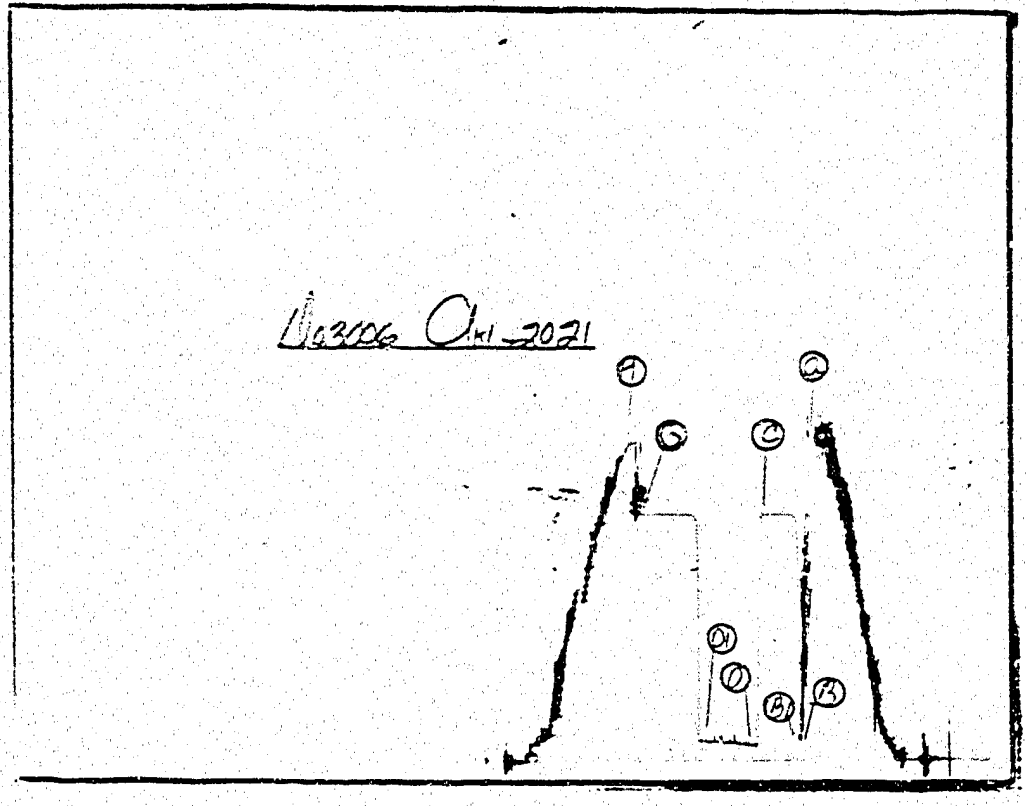
A-1, A-2, A-3, etc. Initial Hyd. Pressures
B, B-1, Initial Flow Pressures
C, Initial Shut-In
D-1, D-2, D-3, etc. Second Flow Pressures
E, Second Shut-In
F, F-1, F-2, Third Flow Pressures
G, Final Shut-In
H, Final Hyd. Pressures
Z — Special pressure points such as pumping pressures recorded for formation breakdown.

JOHNSTON TESTERS

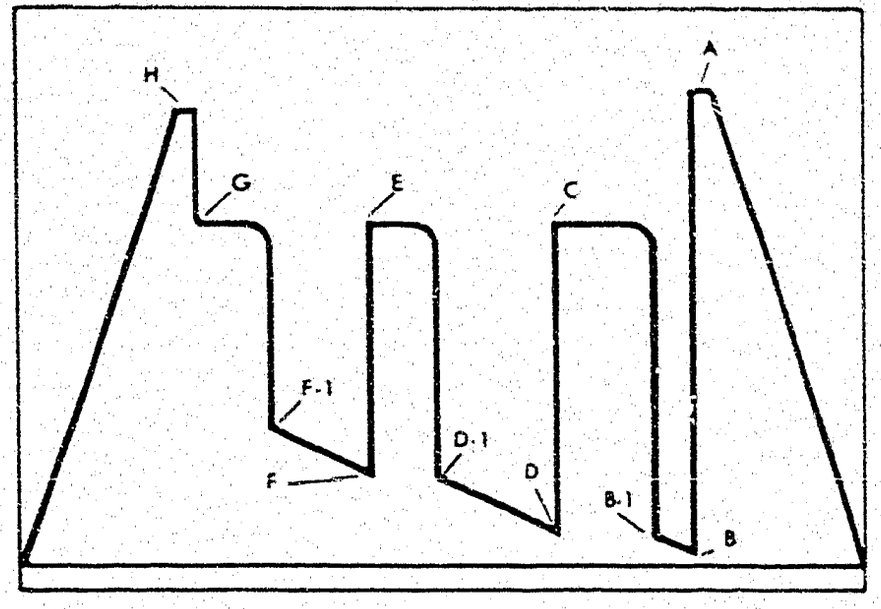
FIELD REPORT NO.	RECORDER NO.	CAPACITY	REPORTS REQUESTED
D 03006	AK1-2021	6950	8



JTL-1 & E-13A

JOHNSTON TESTERS

GUIDE TO IDENTIFICATION OF DRILL STEM TEST PRESSURE CHARTS



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F. Third Flow
G. Final Shut-In
H. Final Hyd. Mud

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E, Second Shut-In
F, F-1, F-2. Third Flow Pressures
G, Final Shut-In
H, Final Hyd. Pressures
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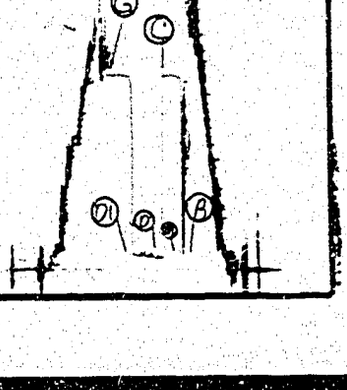
JOHNSTON TESTERS

FIELD REPORT NO.	RECORDER NO.	CAPACITY	REPORTS REQUESTED
D 03006	AK1-2007	8300	8

D03006 AK1-2007



CASCADE DRILLING Company Limited

DAILY DRILLING REPORT

CONSERVATION BOARD

DAY WORK RECORD

THIS IS 42 DAY ON THIS WELL

NOTE - Please show FOOTAGE made while "Control Drilling" as well as HOURS.

RIG No. 1 COMPANY UNION OIL LOCATION UNION PAN AM TRIMMER 0-72 DATE MAR. 1 1969

Tour - Midnight - 8 a.m.

Specify Actual Hours Worked	HRS.
DRILLER Kopt Holuk	8
DERRICK Gon Barton	12
MOTOR Arch Manners	8
FLOOR Gordon Hannah	8
FLOOR	
FLOOR	
FIREMAN	
EXTRA	

INJURIES:

FIRES:

FROM | FOOTAGE | TO | HRS. ON BOTTOM | WT. DRILL STRING (1000 LBS.) | DRILL COLLARS NO. O.D. I.D. WGT. | FUEL GALS. | BOILER HRS. | DRILL PIPE SIZE | STANDS | SINGLES | D. COLLARS | OTHER FT. | C.B. FT. | SUBS. FT. | FT. UP ON KELLY | TOTAL

BITS: NO. | SIZE | TYPE | SIZE JETS | SERIAL NO. | WEIGHT | R.P.M. | FT. DRLD. | DEPTH IN | HRS. | DEPTH OUT | CONDITION

MUD: 12 MN. | 2 A.M. | 4 A.M. | 6 A.M. | ADDITIVES | AT SURVEYS DEGREE | MOTOR HOURS | NEXT OIL CHANGE

WEIGHT
VISCOSITY
GEL

PUMPS: NO. 1 / NO. 2 — PRESSURE, MODEL, S.P.M., LINER SIZE

SIZE | TRIPS | NO. LINES | TON MILES | TOTAL MILES | SLIP | FEET OR CUT | FEET LEFT ON SPOOL | NEXT SLIP

GENERAL Plug #2 5850 To 5750 Cemented W/ 80SHz Construction Cement 2% GEL. Plug Down @ 12.45

W.L. F.C. pH.

Tour - 8 a.m. - 4 p.m.

Specify Actual Hours Worked	HRS.
DRILLER John Moreland	8
DERRICK Dan LeCain	8
MOTOR Mike Hluic	8
FLOOR Leo Labobeta	8
FLOOR	
FLOOR	
FIREMAN	
EXTRA	

INJURIES:

FIRES:

FROM | FOOTAGE | TO | HRS. ON BOTTOM | WT. DRILL STRING (1000 LBS.) | DRILL COLLARS NO. O.D. I.D. WGT. | FUEL GALS. | BOILER HRS. | DRILL PIPE SIZE | STANDS | SINGLES | D. COLLARS | OTHER FT. | C.B. FT. | SUBS. FT. | FT. UP ON KELLY | TOTAL

BITS: NO. | SIZE | TYPE | SIZE JETS | SERIAL NO. | WEIGHT | R.P.M. | FT. DRLD. | DEPTH IN | HRS. | DEPTH OUT | CONDITION

MUD: 8 A.M. | 10 A.M. | 12 NOON | 2 P.M. | ADDITIVES | AT SURVEYS DEGREE | MOTOR HOURS | NEXT OIL CHANGE

WEIGHT
VISCOSITY
GEL

PUMPS: NO. 1 / NO. 2 — PRESSURE, MODEL, S.P.M., LINER SIZE

SIZE | TRIPS | NO. LINES | TON MILES | TOTAL MILES | SLIP | FEET OR CUT | FEET LEFT ON SPOOL | NEXT SLIP

GENERAL PLUG #3 @ 1917' TO 1717' CEMENT W/ 55 SAX CONST. CEMENT 2.5% CACL2

W.L. F.C. pH.

Tour - 4 p.m. - Midnight

Specify Actual Hours Worked	HRS.
DRILLER Peter Symchuk	8
DERRICK Dennis Pewinder	12
MOTOR Gordon Ellwood	4
FLOOR Jerry Zhyk	8
FLOOR Albert Kuster	8
FLOOR	
FIREMAN	
EXTRA	

INJURIES:

FIRES:

FROM | FOOTAGE | TO | HRS. ON BOTTOM | WT. DRILL STRING (1000 LBS.) | DRILL COLLARS NO. O.D. I.D. WGT. | FUEL GALS. | BOILER HRS. | DRILL PIPE SIZE | STANDS | SINGLES | D. COLLARS | OTHER FT. | C.B. FT. | SUBS. FT. | FT. UP ON KELLY | TOTAL

BITS: NO. | SIZE | TYPE | SIZE JETS | SERIAL NO. | WEIGHT | R.P.M. | FT. DRLD. | DEPTH IN | HRS. | DEPTH OUT | CONDITION

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

PUMPS: NO. 1 / NO. 2 — PRESSURE, MODEL, S.P.M., LINER SIZE

SIZE | TRIPS | NO. LINES | TON MILES | TOTAL MILES | SLIP | FEET OR CUT | FEET LEFT ON SPOOL | NEXT SLIP

GENERAL FELT TOP OF Plug No. 3# 5:30 P.M.

W.L. F.C. pH.

TOP OF Q 1715' FEET.

REMARKS	TIME START	TIME STOP	TIME INTERVAL
Mix & Pump Down Plug No. 2.	12.00		
Hoist 12 STDS.	12.45	1.15	1/2
Circ & W.O.C.	1.15	7.00	5 3/4
Run In & Feel Plug No. 2.	7.00	8.00	1
Hoist To Run Plug #3	8.00	10.30	2 1/2
Lay Down 6 Singles	10.30	10.45	1/4
Break Circ & Circ	10.45	11.30	3/4
Run Plug #3	11.30	11.50	1/2
W.O.C & Lay Down D.P.	11.30	4.00	4 1/2
W.O.C.	4.00	5.00	1
Run In Feel For Plug #3#	5.00	5.30	1/2
Lay Down Drill Pipe	5.30	6.30	1
Lay Down BOP Kelly & Clean Mud Tank	6.30	12.00	5 1/2

For released
Hook Up 12 hrs Starlight

Totco Ring on Bit No. ____ D.P. Calipered Date ____ Results ____ From Pipe Rack ____

P. Test-Operated ____ Time ____ Results ____

TOTAL CONTRACTOR TIME ____ HRS. TOOLPUSHER A. Tomko

TOTAL COMPANY TIME ____ HRS. APPROVED BY ____

CASCADE DRILLING Company Limited

DAILY DRILLING REPORT

CONSERVATION BOARD

DAY WORK RECORD

THIS IS 41 DAY ON THIS WELL

NOTE - Please show FOOTAGE made while "Control Drilling" as well as HOURS.

RIG No. 1 COMPANY Union Oil Co LOCATION Mon Fee Flats 22 DATE Feb 21 19 60

Tour - Midnight - 8 a.m.

Specify Actual Hours Worked	HRS.
DRILLER Peter Symchuk	4
DERRICK Dennis Verander	4
MOTOR Gordon Ellwood	4
FLOOR Gordon Hammer	4
FLOOR Jerry Sabo	4
FLOOR	
FIREMAN	
EXTRA	

INJURIES:

FIRES:

Tour - 8 a.m. - 4 p.m.

Specify Actual Hours Worked	HRS.
DRILLER John Mandaus	8
DERRICK Ron Borton	8
MOTOR Don Levain	8
FLOOR Mike Houle	8
FLOOR Chas Kobasiuta	8
FLOOR	
FIREMAN	
EXTRA	

INJURIES:

FIRES:

Tour - 4 p.m. - Midnight

Specify Actual Hours Worked	HRS.
DRILLER Peter Symchuk	8
DERRICK Dennis Verander	8
MOTOR Gordon Ellwood	8
FLOOR Jerry Pshyk	8
FLOOR Albert Kloster	8
FLOOR	
FIREMAN	
EXTRA	

INJURIES:

FIRES:

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE	STANDS	SINGLES	D. COLLARS	OTHER FT.	C.B. FT.	SUBS. FT.	FT. UP ON KELLY	TOTAL

BITS NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION

MUD	12 MN.	2 A.M.	4 A.M.	6 A.M.
WEIGHT				
VISCOSITY				
GEL				

ADDITIVES

AT SURVEYS DEGREE

MOTOR HOURS: 1 2 3 4 5

NEXT OIL CHANGE

PUMPS			
NO. 1	PRESSURE		
	MODEL		S.P.M.
	LINER SIZE		
NO. 2	PRESSURE		
	MODEL		S.P.M.
	LINER SIZE		

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP	FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP

GENERAL

W.L. F.C. pH.

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE	STANDS	SINGLES	D. COLLARS	OTHER FT.	C.B. FT.	SUBS. FT.	FT. UP ON KELLY	TOTAL

BITS NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION

MUD	8 A.M.	10 A.M.	12 NOON	2 P.M.
WEIGHT				
VISCOSITY				
GEL				

ADDITIVES

AT SURVEYS DEGREE

MOTOR HOURS: 1 2 3 4 5

NEXT OIL CHANGE

PUMPS			
NO. 1	PRESSURE		
	MODEL		S.P.M.
	LINER SIZE		
NO. 2	PRESSURE		
	MODEL		S.P.M.
	LINER SIZE		

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP	FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP

GENERAL

W.L. F.C. pH.

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS. 8	DRILL PIPE SIZE 5	STANDS	SINGLES	D. COLLARS	OTHER FT.	C.B. FT.	SUBS. FT.	FT. UP ON KELLY	TOTAL
T.D.	7130																		

BITS NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION

MUD	4 P.M.	6 P.M.	8 P.M.	10 P.M.
WEIGHT				
VISCOSITY				
GEL				

ADDITIVES: UNICAL 50 #

AT SURVEYS DEGREE: D-311

MOTOR HOURS: 1 64, 2 64, 3 64, 4 64, 5

NEXT OIL CHANGE

PUMPS			
NO. 1	PRESSURE		
	MODEL		S.P.M.
	LINER SIZE		
NO. 2	PRESSURE		
	MODEL		S.P.M.
	LINER SIZE		

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP	FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP
1½		28						

GENERAL: PLUG NO 1 6050 TO 5725 CEMENT CEMENTED W/ 150 SAX REGULAR TREAT CEMENT 2% Calcium Gel ← Change requested by Mr. Reid of Union Oil. T.A.

W.L. F.C. pH.

REMARKS	TIME START	TIME STOP	TIME INTERVAL
Finish Laying Down	0:00		
Collars		2:00	2
Lay Down	2:00	2:00	
Finish Laying Down	2:00		
Clean Substructure		4:00	2
Lay Down Power Swivel	4:00	5:00	1
Clean Substructure	5:00	8:00	3
Circ. Giant On Halliburton	8:00	9:00	1
Rig Halliburton To Cement	3:00	4:00	1

CASCADE DRILLING Company Limited

DAILY DRILLING REPORT

CONSERVATION BOARD

DAY WORK RECORD

RIG No. 1. COMPANY Union Oil Co LOCATION Union Fee Fm Trapper D-1 DATE Feb 27 19 59

THIS IS 40 DAY ON THIS WELL

NOTE - Please show FOOTAGE made while "Control Drilling" as well as HOURS.

Tour - Midnight - 8 a.m.

Specify Actual Hours Worked	HRS.
DRILLER Ed. Holt	8
DERRICK Leo Eastman	8
MOTOR Floyd Manes	8
FLOOR Glenn Hannah	8
FLOOR Jerry Pshyk	8
FLOOR	
FIREMAN	
EXTRA	

INJURIES:

FIRES:

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE
										8	5"

BITS NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION

MUD	12 MN.	2 A.M.	4 A.M.	6 A.M.
WEIGHT				
VISCOSITY				
GEL				

ADDITIVES: Super Vis - 1000

AT SURVEYS	DEGREE

MOTOR HOURS	
1	32
2	32
3	32
4	32
5	

NEXT OIL CHANGE

PUMPS			
NO. 1	MODEL	Emsco	
	PRESSURE		
	S.P.M.		
	LINER SIZE		
NO. 2	MODEL	Emsco	
	PRESSURE		
	S.P.M.		
	LINER SIZE		

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP	FEET OR CUT	FEET LEFT ON SPOOL

GENERAL

W.L. F.C. pH.

STANDS
SINGLES
D. COLLARS
OTHER FT.
C.B. FT.
SUBS. FT.
FT. UP ON KELLY
TOTAL 11130.00
NEXT SLIP

REMARKS	TIME START	STOP	INTERVAL
Run in To 6950	12:00	12:45	3/4
Pickup Kelly & Ream Tight Hole	12:45	2:15	1 1/2
Run in To T.D.	2:15	3:15	1
Circ Gas Mud For DST #3	3:15		
DST #3		3:15	2
Pull out of Hole Slow	3:15	7:00	3 3/4
Pressure & Run in Tail	7:00		
Pipe For Packer		1:45	3/4
Make up Packer	1:45	8:00	1/4

Tour - 8 a.m. - 4 p.m.

Specify Actual Hours Worked	HRS.
DRILLER Don Moreland	8
DERRICK Lawrence Bolich	8
MOTOR Don Lecain	8
FLOOR Fritz Foulk	8
FLOOR Lee Lebeda	8
FLOOR	
FIREMAN	
EXTRA	

INJURIES:

FIRES:

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE
7130					16	6 3/4	2 1/2	40A		8	5"

BITS NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION

MUD	8 A.M.	10 A.M.	12 NOON	2 P.M.
WEIGHT				
VISCOSITY			40	
GEL		4/1		

ADDITIVES:

AT SURVEYS	DEGREE
7130	1 3/4

MOTOR HOURS	
1	40
2	40
3	40
4	40
5	

NEXT OIL CHANGE

PUMPS			
NO. 1	MODEL	Emsco	
	PRESSURE	1000	
	S.P.M.	80	
	LINER SIZE		
NO. 2	MODEL		
	PRESSURE		
	S.P.M.		
	LINER SIZE		

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP	FEET OR CUT	FEET LEFT ON SPOOL

GENERAL

W.L. F.C. pH.

STANDS 73
SINGLES
D. COLLARS 16
OTHER FT.
C.B. FT.
SUBS. FT.
FT. UP ON KELLY 22
TOTAL 7130
NEXT SLIP

REMARKS	TIME START	STOP	INTERVAL
Make up Packer	8:00	9:45	1 3/4
Run in	9:45	11:30	1 3/4
Head up To Test	11:30	11:45	1/4
Work Tool To Btm.	11:45	12:00	1/4
Initial Shut in	12:00	1:00	1
Open Tool & Testing	1:00	2:30	1 1/2
Final Shut in	2:30	4:00	1 1/2
DST #3 5690-5825 (Steffle) Pre-flow 5 min. Good air blow steady throughout. ISI 60 min. No blow. FO 90 min GTS 7 min Measured @ 60 mcf/day. Remained steady throughout flow period. FSI 90 min. Recovered 570' black salty sulphurous mud in drill pipe.			
Break Down Testing Head	4:00		
Unseat Packer.		4:15	1/4
Hoist Out & Recover Recorders	4:15	7:15	3
Wait On Orders	7:15	8:45	1 3/4
Break Down & Load Out Packer	8:45	10:30	1 3/4
Hoist Out Tail Pipe	10:30	10:45	1/4
Run In Drill Collars	10:45	11:15	1/2
Rig up To Lay Down Collars	11:15	11:30	1/4
Lay Down Collars	11:30	12:00	1/2

Tour - 4 p.m. - Midnight

Specify Actual Hours Worked	HRS.
DRILLER Peter Symchuk	8
DERRICK Dennis Pfrender	8
MOTOR Gordon Ellwood	8
FLOOR Jerry Pshyk	8
FLOOR Albert Kloster	8
FLOOR	
FIREMAN	
EXTRA	

INJURIES:

FIRES:

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE
										8	

BITS NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION

MUD	4 P.M.	6 P.M.	8 P.M.	10 P.M.
WEIGHT				
VISCOSITY				
GEL				

ADDITIVES:

AT SURVEYS	DEGREE
D-311	

MOTOR HOURS	
1	48
2	48
3	48
4	48
5	

NEXT OIL CHANGE

PUMPS			
NO. 1	MODEL		
	PRESSURE		
	S.P.M.		
	LINER SIZE		
NO. 2	MODEL		
	PRESSURE		
	S.P.M.		
	LINER SIZE		

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP	FEET OR CUT	FEET LEFT ON SPOOL
	179	8					

GENERAL

W.L. F.C. pH.

STANDS
SINGLES
D. COLLARS
OTHER FT.
C.B. FT.
SUBS. FT.
FT. UP ON KELLY
TOTAL
NEXT SLIP

Totco Ring on Bit No. _____ D.P. Calipered Date _____ Results _____ From Pipe Rack _____

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

TOTAL CONTRACTOR TIME _____ HRS. TOOLPUSHER H. G. Tuttle

TOTAL COMPANY TIME _____ HRS. APPROVED BY _____

CASCADE DRILLING Company Limited

DAILY DRILLING REPORT

CONSERVATION BOARD

DAY WORK RECORD

THIS IS 3 DAY ON THIS WELL

NOTE - Please show FOOTAGE made while "Control Drilling" as well as HOURS.

RIG No. 1 COMPANY [illegible] LOCATION [illegible] DATE Feb 27 19 59

Tour - Midnight - 8 a.m.

Specify Actual Hours Worked	HRS.
DRILLER	
DERRICK	
MOTOR	
FLOOR	
FLOOR	
FLOOR	
FIREMAN	
EXTRA	

INJURIES:

FIRES:

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE

BITS

NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION

MUD

	12 MN.	2 A.M.	4 A.M.	6 A.M.
WEIGHT				
VISCOSITY				
GEL				

ADDITIVES

AT SURVEYS DEGREE

MOTOR HOURS

1	
2	
3	
4	
5	

NEXT OIL CHANGE

PUMPS

NO. 1	MODEL	
	PRESSURE	
	S.P.M.	
	LINER SIZE	
NO. 2	MODEL	
	PRESSURE	
	S.P.M.	
	LINER SIZE	

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP	FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP

GENERAL

W.L. F.C. pH.

STANDS	12-612.83
SINGLES	—
D. COLLARS	16-453.56
OTHER FT.	
C.B. FT.	
SUBS. FT.	
FT. UP ON KELLY	27
TOTAL	713.00

REMARKS	TIME START	STOP	INTERVAL
Logging	12	8:00	7

Tour - 8 a.m. - 4 p.m.

Specify Actual Hours Worked	HRS.
DRILLER Joe Maurello	8
DERRICK Norbert Belich	8
MOTOR Don Lecaer	8
FLOOR Mike Houle	8
FLOOR Chas. Lolacheta	8
FLOOR	
FIREMAN	
EXTRA	

INJURIES:

FIRES:

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE
7130											

BITS

NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION

MUD

	8 A.M.	10 A.M.	12 NOON	2 P.M.
WEIGHT				
VISCOSITY				
GEL				

ADDITIVES

AT SURVEYS DEGREE

MOTOR HOURS

1	
2	
3	
4	
5	

NEXT OIL CHANGE

PUMPS

NO. 1	MODEL	
	PRESSURE	
	S.P.M.	
	LINER SIZE	
NO. 2	MODEL	
	PRESSURE	
	S.P.M.	
	LINER SIZE	

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP	FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP

GENERAL

W.L. F.C. pH.

STANDS	
SINGLES	
D. COLLARS	16-453.56
OTHER FT.	
C.B. FT.	
SUBS. FT.	
FT. UP ON KELLY	
TOTAL	

REMARKS	TIME START	STOP	INTERVAL
Lay-Down	8:00	9:00	1
Run in Break Circ 30 Stds	9:00	11:45	2 3/4
+ 50 STDS in			
Circ & W.O.O.S.	11:45	1:00	1 1/4

Tour - 4 p.m. - Midnight

Specify Actual Hours Worked	HRS.
DRILLER Peter Symchuk	8
DERRICK Dennis Pfrunder	8
MOTOR Gordon Ellwood	8
FLOOR Jerry Pshyk	8
FLOOR Albert Kloster	8
FLOOR	
FIREMAN	
EXTRA	

INJURIES:

FIRES:

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE
7130					16	6 3/4	2 7/8	40		8	5"

BITS

NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION

MUD

	4 P.M.	6 P.M.	8 P.M.	10 P.M.
WEIGHT				
VISCOSITY				
GEL				

ADDITIVES

AT SURVEYS DEGREE

D-311

MOTOR HOURS

1	24
2	24
3	24
4	24
5	

NEXT OIL CHANGE

PUMPS

NO. 1	MODEL 7-D 15-0	5 1/2	X	15
	PRESSURE			
	S.P.M.			
	LINER SIZE			
NO. 2	MODEL 7-D 15-0	6 1/2	X	12
	PRESSURE			
	S.P.M.			
	LINER SIZE			

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP	FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP

GENERAL

W.L. F.C. pH.

STANDS	
SINGLES	
D. COLLARS	16-453.56
OTHER FT.	
C.B. FT.	
SUBS. FT.	
FT. UP ON KELLY	
TOTAL	

REMARKS	TIME START	STOP	INTERVAL
Wait On Orders Circ @	4:00		
6,000' 16 DCs + 61 STNDS in			
Hole 12 STNDS In Derrick.		11:15	7 3/4
Run To Bottom To Clean	11:45		
Hole To in DST No 3			
Bridge @ 6250 Break			
Circ & Ream		12:10	3/4
Tight Hole off Bridge			

Totco Ring on Bit No. D.P. Calipered Date Results From Pipe Rack

B.O.P. Test-Operated Time Results

TOTAL CONTRACTOR TIME HRS. TOOLPUSHER

TOTAL COMPANY TIME HRS. APPROVED BY

CASCADE DRILLING Company Limited

DAILY DRILLING REPORT

CONSERVATION BOARD

DAY WORK RECORD

THIS IS 24 DAY ON THIS WELL

NOTE - Please show FOOTAGE made while "Control Drilling" as well as HOURS.

RIG No. 1 COMPANY Baron Oil Co. LOCATION Wain Basin Turner Rd. DATE Feb 25 19 67

Tour - Midnight - 8 a.m.

Specify Actual Hours Worked	HRS.
DRILLER Pete Hyde	8
DERRICK Tom Eastman	8
MOTOR Gord Hamm	8
FLOOR Gene Hamm	8
FLOOR Gene Lewis	8
FLOOR	
FIREMAN	
EXTRA	
INJURIES:	
FIRES:	

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE
7141	42	7183	7½	160M	16	6¼	2¼	40#		5	

BITS	NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION
	1	8¾	M84	3-14	H1944	40	52	462	6806	45½	7183	Final

MUD	12 MN.	2 A.M.	4 A.M.	6 A.M.	ADDITIVES
WEIGHT	8.9	8.9	8.9	8.9	WATER - 11 STREAM
VISCOSITY	42	80	78	81	GEL - 1100 #
GEL					

PUMPS														
NO. 1	PRESSURE	700	700	700	700	SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP	FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP
	MODEL													
	S.P.M.	58	58	58	58									
	LINER SIZE	5½"	5½"	5½"	5½"									
NO. 2	PRESSURE					GENERAL								
	MODEL	TRIPLEX												
	S.P.M.													
	LINER SIZE	6"	6"	6"	6"									

W.L. 9.8 F.C. 2/32 pH. 9

AT SURVEYS	DEGREE	MOTOR HOURS		NEXT OIL CHANGE
		1	154	
		2	154	
		3	154	
		4	154	
		5		

STANDS	72-657.17
SINGLES	5.46
	30.47
D. COLLARS	16-453.56
OTHER FT.	
C.B. FT.	
SUBS. FT.	
FT. UP ON KELLY	
TOTAL	

REMARKS	TIME START	TIME STOP	TIME INTERVAL
Drill 7¾ Hole	12:00	2:00	2
Ream Tight Hole	2:00	2:30	½
Drill 7¾ Hole	2:30	7:00	5½

Tour - 8 a.m. - 4 p.m.

Specify Actual Hours Worked	HRS.
DRILLER Glen Bimbaut	8
DERRICK Lorne Bell Jr	8
MOTOR Don Hoare	8
FLOOR Miles Keele	8
FLOOR Wade Labatte	8
FLOOR	
FIREMAN	
EXTRA	
INJURIES:	
FIRES:	

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE
7123	7	7130	¾	164M	16	6¼	2¼	40#		8	5

BITS	NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION
	1EA	8¾	M84	3-14	161944	40	52	459	6806	50	7130	

MUD	8 A.M.	10 A.M.	12 NOON	2 P.M.	ADDITIVES
WEIGHT	9.8	8.9	9.1		SUPER CAUSTIC
VISCOSITY	37	42	110		DMA - 50#
GEL					ACOUSTIC - 1MX

PUMPS														
NO. 1	PRESSURE	925	925	925	0	1" STREAM REMOVED								
	MODEL					SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP	FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP
	S.P.M.	57	57	57	0									
	LINER SIZE	5½	X	12										
NO. 2	PRESSURE					GENERAL								
	MODEL	TRIPLEX												
	S.P.M.													
	LINER SIZE	6½	X	12										

W.L. 10.5 F.C. 4/32 pH. 9.5

AT SURVEYS	DEGREE	MOTOR HOURS		NEXT OIL CHANGE
		1		
		2		
		3		
		4		
		5		

STANDS	72
SINGLES	663.82
D. COLLARS	16-453.56
OTHER FT.	
C.B. FT.	
SUBS. FT.	
FT. UP ON KELLY	27
TOTAL	7120.39

REMARKS	TIME START	TIME STOP	TIME INTERVAL
Drill 8¾" Hole	9:00	8:30	½
Rig Ser & BOP	8:30	8:45	¼
Drill 8¾" Hole	8:45	9:00	¼
Circ Condition To Log	9:00	11:00	2
Drop Survey	11:00	11:15	¼
Measure Out To Log	11:15	2:45	3½
Rig up Schlumberger To Log & Logging	2:45		

Tour - 4 p.m. - Midnight

Specify Actual Hours Worked	HRS.
DRILLER Peter Symchuk	8
DERRICK Dennis Pennider	8
MOTOR Gordon Ellwood	8
FLOOR Jerry Pshyk	8
FLOOR Albert Klaster	8
FLOOR	
FIREMAN	
EXTRA	
INJURIES:	
FIRES:	

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE
T.D.	7130				16	6¼	2¼	40		8	5

BITS	NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION

MUD	4 P.M.	6 P.M.	8 P.M.	10 P.M.	ADDITIVES
WEIGHT					
VISCOSITY					
GEL					

PUMPS														
NO. 1	PRESSURE													
	MODEL	C 250												
	S.P.M.													
	LINER SIZE	5½	X	15"		SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP	FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP
NO. 2	PRESSURE					1¾		8						
	MODEL	C 150				GENERAL	Changed Oil & Filters in Motors							
	S.P.M.						" Oil in Swivel & Table.							
	LINER SIZE	6½	X	12										

W.L. F.C. pH.

AT SURVEYS	DEGREE	MOTOR HOURS		NEXT OIL CHANGE
7130	1¼	1	0	
		2	0	
		3	0	
D-311		4	0	
		5		

STANDS	72
SINGLES	
D. COLLARS	16-453.56
OTHER FT.	
C.B. FT.	
SUBS. FT.	
FT. UP ON KELLY	27
TOTAL	7130.

REMARKS	TIME START	TIME STOP	TIME INTERVAL
Logging W/Schlumberger	4:00	12:00	8

Totco Ring on Bit No. _____ D.P. Calipered Date _____ Results _____ From Pipe Rack _____

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

TOTAL CONTRACTOR TIME _____ HRS. TOOLPUSHER W. G. Faulkner

TOTAL COMPANY TIME _____ HRS. APPROVED BY _____

CASCADE DRILLING Company Limited

DAILY DRILLING REPORT

CONSERVATION BOARD

DAY WORK RECORD

THIS IS 31 DAY ON THIS WELL

NOTE - Please show FOOTAGE made while "Control Drilling" as well as HOURS.

RIG No. 1 COMPANY Home Oil Co. LOCATION Home Bed Pine C-73 DATE Feb 24 19 69

Tour - Midnight - 8 a.m.

Specify Actual Hours Worked	HRS.
DRILLER Ed Hall	8
DERRICK Ed Penn	8
MOTOR Leon Thomas	8
FLOOR Glen Cunningham	8
FLOOR George Smith	8
FLOOR	
FIREMAN	
EXTRA	

INJURIES:

FIRES:

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE
6821	43	6864	7¾	69M	16	6½	2¼	70		5	5"

BITS	NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION
	11A	8¾	M-88	3-14	161942	40	52	203	6486	6½		Fair

MUD	12 MN.	2 A.M.	4 A.M.	6 A.M.
WEIGHT	8.8	8.8	8.8	
VISCOSITY	75	73	69	
GEL				

ADDITIVES: 1" TEN MESH FUEL 1700#

PUMPS		12 MN.	2 A.M.	4 A.M.	6 A.M.
NO. 1	PRESSURE	725			
MODEL 9	S.P.M.	58	58	58	58
	LINER SIZE	5½" x 15"			
NO. 2	PRESSURE				
MODEL	S.P.M.	TANKS			
	LINER SIZE				

W.L. 50 F.C. 3/32 pH. 10

AT SURVEYS DEGREE

MOTOR HOURS	
1	165
2	165
3	140
4	160
5	

NEXT OIL CHANGE

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP	FEET OR CUT	FEET LEFT ON SPOOL

GENERAL

NEXT SLIP

STANDS 7-1329.77
SINGLES
D. COLLARS 11-353.56
OTHER FT.
C.B. FT.
SUBS. FT.
FT. UP ON KELLY 7
TOTAL 6814.00

REMARKS	TIME START	TIME STOP	TIME INTERVAL
Trip - 5 Stds	12	12	½
Drill Ahead	12	8	7½

Tour - 8 a.m. - 4 p.m.

Specify Actual Hours Worked	HRS.
DRILLER J. Mainland	8
DERRICK La Rose Bolick	8
MOTOR Miles Hoult	8
FLOOR Mervin Hart	8
FLOOR Charlie Lafourte	8
FLOOR Doc LeClair	8
FOREMAN	
EXTRA	

INJURIES:

FIRES:

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE
6814	80	6954	7¾	150M	16	6¾	2¼	70M		8	5"

BITS	NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION
	11A	8¾	M-88	3-14	161942	40	52	297	6805	34½		

MUD	8 A.M.	10 A.M.	12 NOON	2 P.M.
WEIGHT	8.8	8.9	9.0	9.0
VISCOSITY	76	95	84	74
GEL				

ADDITIVES: SUPER H 25 - 1400#
PAC - 150#
CAUSTIC - 300#
DIESEL - 175 Gal.
UNICAL - 100#

PUMPS		8 A.M.	10 A.M.	12 NOON	2 P.M.
NO. 1	PRESSURE	700	700	700	700
MODEL 9	S.P.M.	58	58	58	58
	LINER SIZE	5½	X	15"	
NO. 2	PRESSURE				
MODEL	S.P.M.	TANKS			
	LINER SIZE				

W.L. 48 F.C. 3/32 pH. 9.5

AT SURVEYS DEGREE

MOTOR HOURS	
1	168
2	168
3	168
4	168
5	

NEXT OIL CHANGE

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP	FEET OR CUT	FEET LEFT ON SPOOL

GENERAL

NEXT SLIP

STANDS 7-1491.53
SINGLES
D. COLLARS 26-453.54
OTHER FT.
C.B. FT.
SUBS. FT.
FT. UP ON KELLY 21
TOTAL 6854.07

REMARKS	TIME START	TIME STOP	TIME INTERVAL
DRILL 8¾" HOLE	8.00	9.45	1¾
RIG SER & BOP	9.45	9.00	¼
DRILL 8¾" HOLE	9.00	4.00	7

Tour - 4 p.m. - Midnight

Specify Actual Hours Worked	HRS.
DRILLER Peter Symchuk	8
DERRICK Dennis Pennington	8
MOTOR Gordon Ellwood	8
FLOOR Jerry Pshyk	8
FLOOR Albert Klostar	8
FLOOR	
FIREMAN	
EXTRA	

INJURIES:

FIRES:

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE
6954	87	7041	7¾	160	16	6¾	2¼	70		8	5"

BITS	NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION
	11A	8¾	M-88	3-14	161942	40	52	370	6806	42		Rmin

MUD	4 P.M.	6 P.M.	8 P.M.	10 P.M.
WEIGHT	8.9	8.9	9.2	8.9
VISCOSITY	91	80	85	80
GEL				

ADDITIVES: WATER - ½ LOAD SALT
UNICAL - 10 45. #1
SUPER-COL - 200 1#

PUMPS		4 P.M.	6 P.M.	8 P.M.	10 P.M.
NO. 1	PRESSURE	725	725	725	725
MODEL 9	S.P.M.	59	59	59	59
	LINER SIZE	5½	X	15"	
NO. 2	PRESSURE				
MODEL	S.P.M.	TANKS			
	LINER SIZE	6½	X	12	

W.L. 7.0 ml F.C. 2/32 pH. 9.5

AT SURVEYS DEGREE 6806 1¼

MOTOR HOURS	
1	176
2	176
3	136
4	176
5	

NEXT OIL CHANGE

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP	FEET OR CUT	FEET LEFT ON SPOOL
1B		8					

GENERAL

NEXT SLIP

STANDS 7-1572.17
SINGLES
D. COLLARS 16-453.56
OTHER FT.
C.B. FT.
SUBS. FT.
FT. UP ON KELLY 25
TOTAL 7041

REMARKS	TIME START	TIME STOP	TIME INTERVAL
Drill 8¾ Hole	4.00	5.30	1½
Ser. Rig + BOP	5.30	5.45	¼
Drill	5.45	12.00	6¼

Tricco Ring on Bit No. _____ D.P. Calipered Date _____ Results _____ From Pipe Rack _____

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

TOTAL CONTRACTOR TIME _____ HRS. TOOLPUSHER _____

TOTAL COMPANY TIME _____ HRS. APPROVED BY _____

CASCADE DRILLING Company Limited

DAILY DRILLING REPORT

CONSERVATION BOARD **DAY WORK RECORD**

THIS IS 36 DAY ON THIS WELL

NOTE - Please show FOOTAGE made while "Control Drilling" as well as HOURS.

RIG No. 1 COMPANY Union Oil Co LOCATION Union Pan American 0-7 DATE Feb 23 19 69

Tour - Midnight - 8 a.m.

Specify Actual Hours Worked	HRS.
DRILLER E.T. Hook	8
DERRICK L. Burton	8
MOTOR Jack Thomas	8
FLOOR Glenn Hunter	8
FLOOR Ed Mc Smith	8
FLOOR	
FIREMAN	
EXTRA	

INJURIES:

FIRES:

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE
6730	55	6785	7 3/4	154M	16	6 3/4	2 7/8	40#		3	5"

BITS	NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION
	11	8 3/4	X55R	3-14	5401	40	52	138	6547	17 3/4		RUN

MUD	12 MN.	2 A.M.	4 A.M.	6 A.M.	ADDITIVES
WEIGHT	8.6	8.6	8.4		WATER - 1" STREAM
VISCOSITY	75	72	90		GEL - 1400 #
GEL					CMC - 50 #

PUMPS		12 MN.	2 A.M.	4 A.M.	6 A.M.
NO. 1	PRESSURE	600	600	600	
	MODEL				
	S.P.M.	58	58	58	58
	LINER SIZE	5"	5"	5"	
NO. 2	PRESSURE				
	MODEL				
	S.P.M.				
	LINER SIZE				

UNICAL - 1 # LIT

6 HOURS

GENERAL DRILLING IN HYDRIL 6.2 #1

W.L. F.C. pH.

AT SURVEYS	DEGREE	MOTOR HOURS		NEXT OIL CHANGE
		1	111	
		2	136	
		3	136	
		4	136	
		5		

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP	FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP

STANDS	SINGLES	D. COLLARS	OTHER FT.	C.B. FT.	SUBS. FT.	FT. UP ON KELLY	TOTAL
14 6249	-	16-453.56					

Tour - 8 a.m. - 4 p.m.

Specify Actual Hours Worked	HRS.
DRILLER Joe Hunter	8
DERRICK Lucas Bellew	8
MOTOR Floyd Minion	8
FLOOR Mike Hoile	8
FLOOR Sherl Lollar Sr.	8
FLOOR	
FIREMAN	
EXTRA	

INJURIES:

FIRES:

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE
6785	21	6806	4 3/4	156M	16	6 3/4	2 7/8	40#		8	5"

BITS	NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION
	11	8 3/4	X55R	3-14	5401	40	52	~~654~~ 259	6547	~~32~~ 32	6806	7-4-1

MUD	8 A.M.	10 A.M.	12 NOON	2 P.M.	ADDITIVES
WEIGHT	9.7	8.6	8.8		SUPERCOL 400 #
VISCOSITY	76	74	76		SODA ASH 100 #
GEL					CMC 50 #

PUMPS		8 A.M.	10 A.M.	12 NOON	2 P.M.
NO. 1	PRESSURE	575	575	575	
	MODEL				
	S.P.M.	58	58	58	
	LINER SIZE	5 1/4 x 15			
NO. 2	PRESSURE				
	MODEL				
	S.P.M.				
	LINER SIZE				

DIESEL 675 GALS

ATLASOL 6 GALS

W.L. F.C. pH.

AT SURVEYS	DEGREE	MOTOR HOURS		NEXT OIL CHANGE
6547	1	1	144	
		2	140	
		3	144	
		4	144	
		5		

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP	FEET OR CUT	FEET LEFT ON SHOL	NEXT SLIP

STANDS	SINGLES	D. COLLARS	OTHER FT.	C.B. FT.	SUBS. FT.	FT. UP ON KELLY	TOTAL
19	1-5378.02	16-453.56				15.	6806.58

Tour - 4 p.m. - Midnight

Specify Actual Hours Worked	HRS.
DRILLER Peter Symchuk	8
DERRICK Dennis Pfeiffer	8
MOTOR	
FLOOR Jerry Pehyk	8
FLOOR Albert Kloster	8
FLOOR George Smith	8
FIREMAN	
EXTRA	

INJURIES:

FIRES:

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE
6806	15	6821	3	159	16	6 3/4	2 7/8	40			5"

BITS	NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION
	11A	8 3/4	M-88	3-14	161 942	40	52	150	6806	12 3/4		Run

MUD	4 P.M.	6 P.M.	8 P.M.	10 P.M.	ADDITIVES
WEIGHT				8.4	
VISCOSITY				90	
GEL					

PUMPS		4 P.M.	6 P.M.	8 P.M.	10 P.M.
NO. 1	PRESSURE				725
	MODEL	C-150			
	S.P.M.				59
	LINER SIZE	5 1/2 x		15"	
NO. 2	PRESSURE				
	MODEL	C-150			
	S.P.M.				
	LINER SIZE	6 1/2 x		12	

L.P.

W.L. F.C. pH.

AT SURVEYS	DEGREE	MOTOR HOURS		NEXT OIL CHANGE
6806	1 3/4	1	152	
		2	152	
		3	152	
		4	152	
		5		

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP	FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP
1 7/8		2			15"			

GENERAL

STANDS	SINGLES	D. COLLARS	OTHER FT.	C.B. FT.	SUBS. FT.	FT. UP ON KELLY	TOTAL
67	1	16-453.56				0	6821

REMARKS	TIME START	STOP	INTERVAL
DRILL 8 3/4 HOLE	12	3 45	3 3/4
L. SERV. & SURVEY	3	4	1/4
DRILL 8 3/4 HOLE	4	8 00	4
DRILL 8 3/4" HOLE	2 00	2 45	3/4
RIG SER & W BOP'S	9	9 30	1/2
DRILL 8 3/4" HOLE	9 30	1 00	3 1/2
CIRC	1 00	1 30	1/2
SURVEY	1 30	1 45	1/4
HOIST & LAY DOWN 15 SINGLES	1 45	4 00	2 1/4
FINISH HOISTING	4 00	5 00	1
CHANGE BITS CHECK B. RAM'S	5 00	5 15	1/4
RUN IN DRILL COLLARS	5 15	5 20	1/4
SLIP LINE	5 20	5 45	1/4
RUN IN SLOW & BREAK CIRC	5 45		
@ 5900		8 00	2 1/4
BREAK CIRC. FINISH 180' TO BOTTOM	8 00	9 00	1
15' LOOSE FILL			
DRILL 8 3/4 HOLE	9 00	12 00	3

Totco Ring on Bit No. _____ D.P. Calipered Date _____ Results _____ From Pipe Rack _____

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

TOTAL CONTRACTOR TIME _____ HRS. TOOL PUSHER C. E. Fuller

TOTAL COMPANY TIME _____ HRS. APPROVED BY _____

CASCADE DRILLING Company Limited

DAILY DRILLING REPORT

CONSERVATION BOARD **DAY WORK RECORD**

THIS IS 35 DAY ON THIS WELL

NOTE - Please show FOOTAGE made while "Control Drilling" as well as HOURS.

RIG No. 1 COMPANY UNION OIL LOCATION UNION PEMBINA D-72 DATE FEB 22 19 69

Tour - Midnight - 8 a.m.

Specify Actual Hours Worked	HRS.
DRILLER Peter Symchuk	8
DERRICK Dennis Perunder	8
MOTOR Earl Mozie	8
FLOOR Jerry Pshyk	8
FLOOR Hubert Kluster	8
FLOOR	
FIREMAN	
EXTRA	

INJURIES:

FIRES:

Tour - 8 a.m. - 4 p.m.

Specify Actual Hours Worked	HRS.
DRILLER Kost. Hulak	8
DERRICK [illegible]	8
MOTOR [illegible]	8
FLOOR [illegible]	8
FLOOR [illegible]	8
FLOOR	
FIREMAN	
EXTRA	

INJURIES:

FIRES:

Tour - 4 p.m. - Midnight

Specify Actual Hours Worked	HRS.
DRILLER Joe Mamlad	8
DERRICK [illegible] Baker	8
MOTOR Harry Mission	8
FLOOR Mike Mac Oe	8
FLOOR Charlie Lobreta	8
FLOOR	
FIREMAN	
EXTRA	

INJURIES:

FIRES:

Tour - Midnight - 8 a.m.

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE	STANDS
6699				150	16	6 3/4	2 1/2	40		8	5" IP	68

SINGLES 1 | D. COLLARS 16-482.56 | OTHER FT. | C.B. FT. | SUBS. FT. | FT. UP ON KELLY 0 | TOTAL 6699

BITS	NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION
	11	8 3/4	X55R	3-11	5401			153	6547	15		

MUD	12 MN.	2 A.M.	4 A.M.	6 A.M.	ADDITIVES	AT SURVEYS DEGREE		MOTOR HOURS	NEXT OIL CHANGE
WEIGHT		8.6	8.5	8.5	WATER + FULL STRENGTH	6547	1 1/4	1 112	
VISCOSITY		45	55	72	SUPER COL [illegible]			2 112	
GEL					5400 lbs			3 112	
					L.P.			4 112	
								5	

PUMPS		12 MN.	2 A.M.	4 A.M.	6 A.M.
NO. 1	PRESSURE				
MODEL 5 1/2	S.P.M.				
	LINER SIZE		5 1/2 x 15"		
NO. 2	PRESSURE		TANK		
MODEL 7 1/2	S.P.M.				
	LINER SIZE		6 1/2 x 12		

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP	FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP
1 1/8		8						

GENERAL

W.L. F.C. pH.

Tour - 8 a.m. - 4 p.m.

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE	STANDS
6699												

SINGLES | D. COLLARS 16-482.56 | OTHER FT. | C.B. FT. | SUBS. FT. | FT. UP ON KELLY | TOTAL

BITS	NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION
	11	8 3/4	X55R	3-14	5401				6547	15		

MUD	8 A.M.	10 A.M.	12 NOON	2 P.M.	ADDITIVES	AT SURVEYS DEGREE		MOTOR HOURS	NEXT OIL CHANGE
WEIGHT	8.8	8.8	8.8	8.8	WATER + 1 STRENGTH			1 120	
VISCOSITY	58	66	73	68	GEL - 21400 #			2 120	
GEL					CAUSTIC - 100 #			3 120	
					C.M.C. 150 #			4 120	
								5	

PUMPS		8 A.M.	10 A.M.	12 NOON	2 P.M.
NO. 1	PRESSURE		550		
MODEL 5 1/2"	S.P.M.		54		
	LINER SIZE		5 1/2" x 15"		
NO. 2	PRESSURE				
MODEL 7 1/2	S.P.M.		TANK		
	LINER SIZE		6 1/2" x 12"		

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP	FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP

GENERAL

W.L. F.C. pH.

Tour - 4 p.m. - Midnight

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE	STANDS
6699	31	6730	4 1/2	154 M	16	6 3/4	2 7/8	40		8	5"	68

SINGLES 2-6267.10 | D. COLLARS 16-459.52 | OTHER FT. | C.B. FT. | SUBS. FT. | FT. UP ON KELLY 0 | TOTAL 6730.10

BITS	NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION
	11	8 3/4	X55R	3-14	5401	40	52	183	6547	4 1/2		

MUD	4 P.M.	6 P.M.	8 P.M.	10 P.M.	ADDITIVES	AT SURVEYS DEGREE		MOTOR HOURS	NEXT OIL CHANGE
WEIGHT	8.7	8.6	8.7	8.8	SUPER COL - 1300 #	6547	1 4	1 128	
VISCOSITY	51	75	67	58	DIESEL - [illegible] 1250 Gal			2 127	
GEL					SODA ASH - 100 #			3 122	
					CMC - 100 # CAUSTIC - 150 # LIME			4 127	
								5	

PUMPS		4 P.M.	6 P.M.	8 P.M.	10 P.M.
NO. 1	PRESSURE	600	600	600	600
MODEL	S.P.M.	58	59	59	58
	LINER SIZE	5 1/2 x 15			
NO. 2	PRESSURE				
MODEL	S.P.M.	TANKS			
	LINER SIZE	6 1/2 x 12			

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP	FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP

GENERAL

W.L. 7.6 F.C. 43. pH. 9.5

REMARKS	TIME START	TIME STOP	TIME INTERVAL
Work Tight Hole Hoist out 11 STNDS.	12.00	2.00	
Break Circ. @ 5750'	2.00		2
Clean Hole Cond. Mud.		6.15	4 1/4
Run In 6 STNDS	6.15		
Tight Hole Work Pipe & Hoist up. Cant Break Circ.		8.00	1 3/4
Finish To Pull 10 stds	8.00		
of 3½ To 5750		9.15	1¼
Circ & Cond Mud For	9.15		
Trip		11.30	2¼
Reaming To Btm.	11.30	4.00	4½
Ream From 6455 To Btm	4.00	7.30	3½
Drill 8¾ Hole	7.30	12.00	4½

Totco Ring on Bit No. _____ D.P. Calipered Date _____ Results _____ From Pipe Rack _____

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

TOTAL CONTRACTOR TIME _____ HRS. TOOLPUSHER C. H. Powell

TOTAL COMPANY TIME _____ HRS. APPROVED BY _____

CASCADE DRILLING Company Limited

DAILY DRILLING REPORT

CONSERVATION BOARD **DAY WORK RECORD**

THIS IS 34 DAY ON THIS WELL

NOTE - Please show FOOTAGE made while "Control Drilling" as well as HOURS.

RIG No. 1 COMPANY UNION OIL LOCATION UNION PAN AM TRAINOR 0-72 DATE FEB 21 1969

Tour - Midnight - 8 a.m.

Specify Actual Hours Worked	HRS.
DRILLER Peter Symchuk	8
DERRICK Dennis Pernder	8
MOTOR Earl Mozzie	8
FLOOR Jerry Pslyk	8
FLOOR Albert Klostey	8
FLOOR	
FIREMAN	
EXTRA	

INJURIES:

FIRES:

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE
6547	83	6630	6¾	152	16	6¾	2⅞			8	5"

BITS NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION
11	8¾	X55R	3-14	5401	40	52	83	6547	6¾		RUN

MUD	12 MN.	2 A.M.	4 A.M.	6 A.M.
WEIGHT	7	8.8	8.8	8.8
VISCOSITY	7	65	65	60
GEL	2			

ADDITIVES: WATER - 1 STREAM; SUPER-COL - 1400 Lbs.; SAWDUST - 30 Bags; CAUSTIC - 100 Lbs.; CMC - 100 Lbs.

PUMPS		12 MN.	2 A.M.	4 A.M.	6 A.M.
NO. 1	PRESSURE	1700	✓	✓	
MODEL 350	S.P.M.	90	60	60	
	LINER SIZE 5½	X	15"		
NO. 2	PRESSURE				
MODEL 350	S.P.M.	TANKS			
	LINER SIZE 6½	X	12		

AT SURVEYS	DEGREE
6547	1¾

MOTOR HOURS	
1	88
2	89
3	88
4	88
5	

NEXT OIL CHANGE

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP	FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP
1⅞		8						

GENERAL

W.L. 6.0 F.C. 2/32 pH 9.5

STANDS 67 | SINGLES 1 | D. COLLARS 16-453.56 | OTHER FT. | C.B. FT. | SUBS. FT. | FT. UP ON KELLY 9 | TOTAL 6630

REMARKS	TIME START	TIME STOP	TIME INTERVAL
Fill Pipe 20 STNDS OFF BTM.	12.00	12.30	½
Finish In	12.30	12.45	½
Break Circ. Clr. 30' Fill	12.45	1.15	½
Drilling 7¾ Hole	1.15	8.00	6¾

Tour - 8 a.m. - 4 p.m.

Specify Actual Hours Worked	HRS.
DRILLER E. Holt	8
DERRICK E. Barton	8
MOTOR D. Hunter	8
FLOOR Y. Dumont	8
FLOOR L. Sharp	8
FLOOR	
FIREMAN	
EXTRA	

INJURIES:

FIRES:

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE
6630	58	6688	7	152M	16	6¾	2⅞	40M		4	5"

BITS NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION
11	8¾	X55R	3-14	5401	40	52	142	6547	13¾		RUN

MUD	8 A.M.	10 A.M.	12 NOON	2 P.M.
WEIGHT	8.8	8.8	9.1	9.8
VISCOSITY	63	59	-	66
GEL				

ADDITIVES: WATER 1" STREAM; SAWDUST - 66 Bags; UNIFLO 300 Lbs; CAUSTIC 200 Lbs; GEL 1000 Lbs

PUMPS		8 A.M.	10 A.M.	12 NOON	2 P.M.
NO. 1	PRESSURE				
MODEL 350	S.P.M.				
	LINER SIZE				
NO. 2	PRESSURE	1700	1700	1650	1650
MODEL 350	S.P.M.				
	LINER SIZE				

AT SURVEYS	DEGREE

MOTOR HOURS	
1	96
2	96
3	96
4	96
5	

NEXT OIL CHANGE

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP	FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP

GENERAL: CHANGE JETS RUBBER ON RIGHT SIDE OF C-350 CLAMP RUBBER ON RIGHT SIDE.

W.L. F.C. pH 9.5

STANDS 6205.16 | SINGLES — | D. COLLARS 11-453.56 | OTHER FT. | C.B. FT. | SUBS. FT. | FT. UP ON KELLY 11' | TOTAL 6688.00

REMARKS	TIME START	TIME STOP	TIME INTERVAL
Drill 8¾ Hole	5.00	9.00	4
Rig Serv. & Ops.	9.00	9.15	¼
Drill 8¾ Hole	9.15	11.15	2
Trip Out - Pull into Shoe (For Pictures)	11.15	12.00	¾
Drill 8¾ Hole	1.00	4.00	4

Tour - 4 p.m. - Midnight

Specify Actual Hours Worked	HRS.
DRILLER L. Morland	8
DERRICK L. Belek	8
MOTOR G. Minion	8
FLOOR Mike Hood	8
FLOOR Jack Lalonde	8
FLOOR	
FIREMAN	
EXTRA	

INJURIES:

FIRES:

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE
6688	11	6699	1¼	152M	16	6¾	2⅞	40M		8	5"

BITS NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION
11	8¾	X55R	3-14	5401	40	52	153	6547	15		

MUD	4 P.M.	6 P.M.	8 P.M.	10 P.M.
WEIGHT	77			
VISCOSITY	54			
GEL				

ADDITIVES: SUPER-COL - 1400 Lbs; CAUSTIC - 150 Lbs; SAWDUST - 45 Bags; 1 METRE OF WATER; LOST CIRCULATION STICKING PIPE.

PUMPS		4 P.M.	6 P.M.	8 P.M.	10 P.M.
NO. 1	PRESSURE	1700			
MODEL	S.P.M.	54			
	LINER SIZE	5½	X	15"	
NO. 2	PRESSURE				
MODEL	S.P.M.				
	LINER SIZE				

AT SURVEYS	DEGREE
6547	1¼

MOTOR HOURS	
1	104
2	104
3	104
4	104
5	

NEXT OIL CHANGE

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP	FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP

GENERAL

W.L. F.C. pH

STANDS 18-6205.56 | SINGLES — | D. COLLARS 16-453.56 | OTHER FT. | C.B. FT. | SUBS. FT. | FT. UP ON KELLY 0 | TOTAL 6699-12

REMARKS	TIME START	TIME STOP	TIME INTERVAL
Drill 8¾" hole	4.00	5.15	1¼
Working Stuck Pipe	5.15	12-00	6¾

Totco Ring on Bit No. 11 D.P. Calipered Date ____ Results ____ From Pipe Rack ____

B.O.P. Test-Operated ____ Time ____ Results ____

TOTAL CONTRACTOR TIME ____ HRS. TOOLPUSHER W. A. Jamble

TOTAL COMPANY TIME ____ HRS. APPROVED BY ____

CASCADE DRILLING Company Limited

DAILY DRILLING REPORT

CONSERVATION BOARD

DAY WORK RECORD

THIS IS 33 DAY ON THIS WELL

NOTE - Please show FOOTAGE made while "Control Drilling" as well as HOURS.

RIG No. 1 COMPANY UNION OIL LOCATION UNION PAN AM TRAINOR #72 DATE FEB 20 19 69

Tour - Midnight - 8 a.m.

Specify Actual Hours Worked	HRS.
DRILLER Peter Symchuk	8
DERRICK Dennis Pfrunder	8
MOTOR Earl Mozile	8
FLOOR Terry Pehyr	8
FLOOR Albert Klosterr	8
FLOOR	
FIREMAN	
EXTRA	
INJURIES:	
FIRES:	

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER GALS. 8 HRS.	DRILL PIPE SIZE
6352	78	6430	7 3/4	148	16	6 3/4	2 1/2	40			5"

BITS	NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION
	10	8 3/4	X55R	3-14	5682	30	52	403	6027	34 1/2		Run

MUD	12 MN.	2 A.M.	4 A.M.	6 A.M.	ADDITIVES
WEIGHT	8.9	8.8	8.8	8.9	WATER 1 STREAM
VISCOSITY	60	65	60	60	SUPER COL 1400 Lbs
GEL					SAWDUST 30 Bags

PUMPS		12 MN.	2 A.M.	4 A.M.	6 A.M.
NO. 1	PRESSURE	700	"	"	"
MODEL C 25-0	S.P.M.	60	60	60	60
	LINER SIZE	5 1/2	X	15"	
NO. 2	PRESSURE				
MODEL C 15-0	S.P.M.	TANDEM			
	LINER SIZE	6 1/2	X	12	

AT SURVEYS	DEGREE
6027	2

MOTOR HOURS	
1	64
2	64
3	64
4	64
5	

NEXT OIL CHANGE

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP	FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP
1 1/8		8						

GENERAL: C-150 On Hole 725 PSI @ 61 S.P.M.

W.L. 5.6 F.C. 3/32 pH. 9.0

STANDS	SINGLES	D. COLLARS	OTHER FT.	C.B. FT.	SUBS. FT.	FT. UP ON KELLY	TOTAL
65	1	16-453.56				25'	6430

Tour - 8 a.m. - 4 p.m.

Specify Actual Hours Worked	HRS.
DRILLER Ralph Hill	8
DERRICK Ed Robinson	8
MOTOR D. Hammond	8
FLOOR G. Daniels	8
FLOOR George Kinsey	8
FLOOR	
FIREMAN	
EXTRA	
INJURIES:	
FIRES:	

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER GALS. 8 HRS.	DRILL PIPE SIZE
6430	93	6523	7 3/4	146M	16	6 3/4	2 1/2	40M			5"

BITS	NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION
	10	8 3/4	X55R	3-14	5682	30	52	496	6027	42		Run

MUD	8 A.M.	10 A.M.	12 NOON	2 P.M.	ADDITIVES
WEIGHT	8.9	8.8	8.8	8.8	1" SIM WATER
VISCOSITY	65	61	61	64	35 Sack SAWDUST
GEL					1000 # GEL

PUMPS		8 A.M.	10 A.M.	12 NOON	2 P.M.
NO. 1	PRESSURE	700	675	675	675
MODEL C 25	S.P.M.	60	60	60	60
	LINER SIZE	5 1/2	X	15"	
NO. 2	PRESSURE				
MODEL C 15	S.P.M.	TANDEM			
	LINER SIZE	6 1/2	X	12"	

AT SURVEYS	DEGREE

MOTOR HOURS	
1	12
2	12
3	12
4	12
5	

NEXT OIL CHANGE

50# CMC. L.P.

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP	FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP

GENERAL:

W.L. F.C. pH.

STANDS	SINGLES	D. COLLARS	OTHER FT.	C.B. FT.	SUBS. FT.	FT. UP ON KELLY	TOTAL
16-602.91	1-30.74	16-453.56				23'	6523.00

Tour - 4 p.m. - Midnight

Specify Actual Hours Worked	HRS.
DRILLER Ken Mainland	8
DERRICK Owen Baker	8
MOTOR Jack Minear	8
FLOOR Dale Hale	8
FLOOR Paul Lilienthal	8
FLOOR	
FIREMAN	
EXTRA	
INJURIES:	
FIRES:	

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER GALS. 8 HRS.	DRILL PIPE SIZE
6523	24	6547	2 1/2	148	16	6 3/4	2 1/2	40			5"

BITS	NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION
	10	8 3/4	X55R	B-14	5652	30	52	520	6027	44 1/2	6547	Fair
	11	8 3/4	X55R	3-14	5401				6547			3-1-1

MUD	4 P.M.	6 P.M.	8 P.M.	10 P.M.	ADDITIVES
WEIGHT	8.7	8.8			
VISCOSITY	64.5	63			
GEL					

PUMPS		4 P.M.	6 P.M.	8 P.M.	10 P.M.
NO. 1	PRESSURE	675	675		
MODEL C 25	S.P.M.	60	60		
	LINER SIZE	5 1/2	X	15"	
NO. 2	PRESSURE				
MODEL C 15	S.P.M.	TANDEM			
	LINER SIZE	6 1/2	X	12"	

AT SURVEYS	DEGREE
6547	1/4

MOTOR HOURS	
1	80
2	80
3	80
4	80
5	

NEXT OIL CHANGE

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP	FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP

GENERAL:

W.L. 4.4 F.C. 3/32 pH. 9.0

STANDS	SINGLES	D. COLLARS	OTHER FT.	C.B. FT.	SUBS. FT.	FT. UP ON KELLY	TOTAL
66	1	16-453.56				0	6547.61

REMARKS	TIME START	TIME STOP	TIME INTERVAL
Drill 8 3/4 Hole.	12.00	1.15	1 1/4
Serv. Rig & B.O.P.	1.15	1.30	1/4
Drill	1.30	8.00	6 1/2
Drill 8 3/4 Hole	8.00	10.15	2 1/4
Rig Serv. & Survey	10.15	10.30	1/4
Drill 9 3/4 Hole	10.30	4.00	5 1/2
Drill 8 3/4" hole	4.00	6.30	2 1/2
Drop Survey	6.30	6.45	1/4
Hoist	6.45	9.30	2 3/4
Close Blind Rams & Change Bit	9.30	9.45	1/4
Run in D.C.'s	9.45	10.00	1/4
Slip & Drill Line	10.00	10.30	1/2
Run in	10.30	12.00	1 1/2

Totco Ring on Bit No. 11 D.P. Calipered Date _____ Results _____ From Pipe Rack _____

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

TOTAL CONTRACTOR TIME _____ HRS. TOOLPUSHER _____

TOTAL COMPANY TIME _____ HRS. APPROVED BY _____

CASCADE DRILLING Company Limited

DAILY DRILLING REPORT

CONSERVATION BOARD **DAY WORK RECORD**

THIS IS 32 DAY ON THIS WELL

NOTE-Please show FOOTAGE made while "Control Drilling" as well as HOURS.

RIG No. 1 COMPANY UNION OIL. LOCATION UNION PAN AM. TRIANGLE 0-32 DATE FEB 19 1969

Tour - Midnight - 8 a.m.

Specify Actual Hours Worked	HRS.
DRILLER Peter Symchuk	8
DERRICK Dennis Pennington	8
MOTOR Earl Mozile	8
FLOOR Jerry Rhyk	8
FLOOR Wilbert Kinsley	8
FLOOR	
FIREMAN	
EXTRA	

INJURIES:

FIRES:

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL	BOILER	DRILL PIPE
6048	93	6161	7 3/4	143	16	6 3/4	2 7/8	40	1 1/2 GALS.	8 HRS.	5" 16 SIZE

BITS	NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION
	10	8 3/4	X55R	3-14	5682	30	52	132	6027	11 1/2		RUN

STANDS 62. SINGLES 1 D. COLLARS 16-453.56 OTHER FT. C.B. FT. SUBS. FT. FT. UP ON KELLY 16 TOTAL 6161

MUD	12 MN.	2 A.M.	4 A.M.	6 A.M.	ADDITIVES
WEIGHT	8.9	8.9	8.9	8.9	WATER 1 SACK EMT.
VISCOSITY	60	65	70	70	SUPER-COL 1350 lbs
GEL					[redacted]

PUMPS		12 MN.	2 A.M.	4 A.M.	6 A.M.
NO. 1	PRESSURE	675	675	675	675
MODEL C-10	S.P.M.	60	60	60	60
	LINER SIZE	5½	x 15		
NO. 2	PRESSURE				
MODEL C-10	S.P.M.	TANKS			
	LINER SIZE	6½	x 12		

[redacted] SANDUST. 20 BAGS

AT SURVEYS	DEGREE
6027	2°

MOTOR HOURS	
1	40
2	40
3	40
4	40
5	

NEXT OIL CHANGE

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP	FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP
10		8						

GENERAL

W.L. 600 F.C. 11/32 pH. 9.0

Tour - 8 a.m. - 4 p.m.

Specify Actual Hours Worked	HRS.
DRILLER Robt. Hoyle	8
DERRICK Ron Compton	8
MOTOR Jack Mayhew Sr.	8
FLOOR Gordon Flanagan	8
FLOOR George South	8
FLOOR	
FIREMAN	
EXTRA	

INJURIES:

FIRES:

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL	BOILER	DRILL PIPE
6161	117	6278	7 3/4	144 M	16	6 3/4	2 7/8	40M	GALS.	8 HRS.	5" 16 SIZE

BITS	NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION
	10	8 3/4	X55R	3-14	5682	20M	52	249	6027	19 1/2		RUN

STANDS 62 SINGLES 2 D. COLLARS 16-453.56 OTHER FT. C.B. FT. SUBS. FT. FT. UP ON KELLY 24' TOTAL 6278.00

MUD	8 A.M.	10 A.M.	12 NOON	2 P.M.	ADDITIVES
WEIGHT	8.9	8.9	8.9		WATER
VISCOSITY	70	65	59		SOD CMC.
GEL					MUD MIX

PUMPS		8 A.M.	10 A.M.	12 NOON	2 P.M.
NO. 1	PRESSURE	675			
MODEL C-10	S.P.M.	60			
	LINER SIZE	5½	x 15		
NO. 2	PRESSURE				
MODEL C-10	S.P.M.	TANKS			
	LINER SIZE	6½	x 12		

AT SURVEYS	DEGREE

L.E.

MOTOR HOURS	
1	48
2	49
3	49
4	48
5	

NEXT OIL CHANGE

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP	FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP

GENERAL

W.L. 92 F.C. 2/32 pH. 9

Tour - 4 p.m. - Midnight

Specify Actual Hours Worked	HRS.
DRILLER J. Mainland	8
DERRICK L. Belick	8
MOTOR G. Minion	8
FLOOR M. Houle	8
FLOOR C. Laliberte	8
FLOOR	
FIREMAN	
EXTRA	

INJURIES:

FIRES:

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL	BOILER	DRILL PIPE
6278	74	6352	7 3/4	146 M	16	6 3/4	2 7/8	40M	GALS.	8 HRS.	5 SIZE

BITS	NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION
	10	8 3/4	X55R	3-14	5682	35	52	325	6027	27		RUNNING

STANDS 64 SINGLES 1 5869.5 D. COLLARS 16-453.56 OTHER FT. C.B. FT. SUBS. FT. FT. UP ON KELLY 11 TOTAL 6352.09

MUD	4 P.M.	6 P.M.	8 P.M.	10 P.M.	ADDITIVES
WEIGHT	8.8	8.9	8.7	8.7	Super Col - 350#
VISCOSITY	60	58	62	65	CMC - 300#
GEL					Caustic - 200#
					Soltex - 40 Bags.
					2" Sem Diverter Run Into Cmc.

PUMPS		4 P.M.	6 P.M.	8 P.M.	10 P.M.
NO. 1	PRESSURE	675	675	675	675
MODEL C-10	S.P.M.	59	59	59	59
	LINER SIZE	5½	1	15	
NO. 2	PRESSURE				
MODEL C-10	S.P.M.	TANKS			
	LINER SIZE				

AT SURVEYS	DEGREE

MOTOR HOURS	
1	56
2	56
3	56
4	56
5	

NEXT OIL CHANGE

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP	FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP

GENERAL: Held Safety Meeting

W.L. 8.7 F.C. 2/32 pH. 9.5

REMARKS	TIME START	TIME STOP	INTERVAL
Drill 8 3/4 Hole.	12 1/2	1.30	1 1/2
Serv. Rig & B.O.P.	1.30	1.45	1/4
Drill	1.45	8.00	6 1/4
Drill 8 3/4 Hole	8.00	9.00	1
Rig Serv. & Survey	9.00	9.30	1/2
Drill 8 3/4 Hole	9.30	4.00	6 3/4
DRILL 8 3/4 HOLE	4.00	4.45	3/4
RIG SER & B.O.P.	4.45	5.00	1/4
DRILL 8 3/4 HOLE	5.00	12.00	7.

Totco Ring on Bit No. _____ D.P. Calipered Date _____ Results _____ From Pipe Rack _____

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

TOTAL CONTRACTOR TIME _____ HRS. TOOLPUSHER C. H. Gamble

TOTAL COMPANY TIME _____ HRS. APPROVED BY _____

CASCADE DRILLING Company Limited

DAILY DRILLING REPORT

CONSERVATION BOARD

DAY WORK RECORD

THIS IS 31 DAY ON THIS WELL

NOTE-Please show FOOTAGE made while "Control Drilling" as well as HOURS.

RIG No. 1 COMPANY UNION OIL. LOCATION UNION PHANAM TRAINOR 0-72 DATE FEB. 18 19 69

Tour - Midnight - 8 a.m.

Specify Actual Hours Worked	HRS.
DRILLER Peter Symchuk	8
DERRICK Dennis Pfrunder	8
MOTOR Earl Mozile	8
FLOOR Jerry Pshyk	8
FLOOR Albert Klosterr	8
FLOOR	
FIREMAN	
EXTRA	

INJURIES:

FIRES:

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE
6027					16	6 3/4	2 7/8	40	6	8	5 IF

BITS NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION

MUD	12 MN.	2 A.M.	4 A.M.	6 A.M.
WEIGHT				
VISCOSITY				
GEL				

ADDITIVES

AT SURVEYS DEGREE: 6027 2.

MOTOR HOURS: 1 16; 2 1/2; 3 16; 4 16; 5

NEXT OIL CHANGE

PUMPS					
NO. 1	PRESSURE				
MODEL 6-20	S.P.M.				
	LINER SIZE	5 1/2	X	15	
NO. 2	PRESSURE				
MODEL 7-30	S.P.M.				
	LINER SIZE	6 1/2	X	12	

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP	FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP
1 1/8		8						

GENERAL: DST #2 INTERVAL 5975'-6027' FREEDOMS FORMATION

W.L. F.C. pH.

STANDS

SINGLES 2

D. COLLARS 16-453.56

OTHER FT.

C.B. FT.

SUBS. FT.

FT. UP ON KELLY 11M

TOTAL 6027

REMARKS	TIME START	STOP	INTERVAL	
Initial Opening & Shut In	12.00			
DST NO. 2 #		1.00	1	
Final Opening	1.00	2.00	1	
Final Shut In	2.00	3.00	1	
Un-Seat Packer & Stands Tight & Hoist out 4625' SAME	3.00			
Water In Drill Stem		8.00	5	
DST #2. Dual Packer Bottom Hole: Pre-Flow 5 min ISI 60 min F.O. 60 min FSI 60 min. Fluid Rec. 815' Mud 3810' Salt water. Pre-Flow: Strong Initial Blow Remained steady throughout. Final Flow: Good Blow decreased to Dead in 30 minutes.				

Tour - 8 a.m. - 4 p.m.

Specify Actual Hours Worked	HRS.
DRILLER Art. Holmes	8
DERRICK Ken Barton	8
MOTOR Arch Manners	8
FLOOR Gordon Hannah	8
FLOOR George Smith	8
FLOOR	
FIREMAN	
EXTRA	

INJURIES:

FIRES:

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE
6027	6	6033	3/4	143M	16	6 3/4	2 7/8	40#		8	5"

BITS NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION
10	8-3/4	X55R	3-14	5682	30	55	6	6027	3/4		

MUD	8 A.M.	10 A.M.	12 NOON	2 P.M.
WEIGHT				
VISCOSITY			9.1	
GEL			11	

ADDITIVES

AT SURVEYS DEGREE

MOTOR HOURS: 1 24; 2 24; 3 24; 4 24; 5

NEXT OIL CHANGE

PUMPS					
NO. 1	PRESSURE				
MODEL	S.P.M.				
	LINER SIZE				
NO. 2	PRESSURE				
MODEL	S.P.M.				
	LINER SIZE				

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP	FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP

GENERAL

W.L. F.C. pH.

STANDS 61

SINGLES

D. COLLARS 16-463.56

OTHER FT.

C.B. FT.

SUBS. FT.

FT. UP ON KELLY

TOTAL

REMARKS	TIME START	STOP	INTERVAL	
LAY DOWN AND LOADOUT TESTER	8.00	9:30	1 1/2	U
CHANGE SPINNER ON KELLY	9:30			
TRIP IN HOLE TO RUN R. REA.		10.00	1/2	U
RIG CAT AND LAY DOWN COLLARS	10:00	10:30	1/2	U
MAKE UP BIT & RUN REAMER	10:30	10:45	1/4	U
REAM TO D.C.s	10:45	11:15	1/2	
SLIDE CUT LINE SET UP BRAKES	11:15	12:15	1	U
RUN IN HOLE	12:15	2:30	2 1/4	
CAT CIRC. FROM 30'	2:30	3:15	3/4	U
DRILL 8 3/4 HOLE	3:15	4:00	3/4	U

Tour - 4 p.m. - Midnight

Specify Actual Hours Worked	HRS.
DRILLER J. Maitland	8
DERRICK L. Belick	8
MOTOR G. Minion	8
FLOOR M. Houle	8
FLOOR C. Laliberte	8
FLOOR	
FIREMAN	
EXTRA	

INJURIES:

FIRES:

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE
6033	35	6068	3	144M	16	6 3/4	2 7/8	40#		8	5"

BITS NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION
10	8-3/4	X55R	3-14	5682	25-30	55	41	6027	3 3/4		Running

MUD	4 P.M.	6 P.M.	8 P.M.	10 P.M.
WEIGHT			9.6	8.6
VISCOSITY			70	55
GEL				

ADDITIVES: SUPER CAL-45 m² ; C.M.C. - 100 # ; CAUSTIC - 100 # ; SAWDUST - 135 60#S. ; WATER FOR MUD CIRCULATION.

AT SURVEYS DEGREE: 6027 2°

MOTOR HOURS: 1 32; 2 32; 3 32; 4 32

NEXT OIL CHANGE

PUMPS					
NO. 1	PRESSURE		2-650	650	
MODEL	S.P.M.		58	58	
	LINER SIZE	7	5X15		
NO. 2	PRESSURE				
MODEL	S.P.M.		TANKS.		
	LINER SIZE				

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP	FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP

GENERAL

W.L. F.C. pH.

STANDS 61 5612.96

SINGLES 1 ~~5~~

D. COLLARS 16 453.54

OTHER FT.

C.B. FT.

SUBS. FT.

FT. UP ON KELLY 21

TOTAL 6088.46

REMARKS	TIME START	STOP	INTERVAL	
LOST CIRC. & MIX MUD	4.00	9.00	5	
DRILL 8 3/4" HOLE	9.00	12.00	3	

Totco Ring on Bit No. _____ D.P. Calipered Date _____ Results _____ From Pipe Rack _____

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

TOTAL CONTRACTOR TIME _____ HRS. TOOLPUSHER C. H. Laliberte

TOTAL COMPANY TIME _____ HRS. APPROVED BY _____

CASCADE DRILLING Company Limited

DAILY DRILLING REPORT

CONSERVATION BOARD

DAY WORK RECORD

THIS IS 30 DAY ON THIS WELL

NOTE - Please show FOOTAGE made while "Control Drilling" as well as HOURS.

RIG No. 1 COMPANY UNION OIL. LOCATION UNION PAN AM TRINOR 0-72 DATE FEB 16 1959

Tour - Midnight - 8 a.m.

Specify Actual Hours Worked	HRS.
DRILLER Peter Symchuk	8
DERRICK Dennis Pewinder	8
MOTOR Earl Mozile	8
FLOOR Jerry Pshyk	8
FLOOR Albert Klosterr	8
FLOOR	
FIREMAN	
EXTRA	
INJURIES:	
FIRES:	

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE
5909	52	5761	7	143	16	6 3/4	2 3/4			2	5" 11.5

BITS	NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION
B	9	8 3/4	M-38	3-14	1611942	25	50-65	64	5842	10 1/4		Run

MUD	12 MN.	2 A.M.	4 A.M.	6 A.M.
WEIGHT	9.0	9.0	9.0	9.0
VISCOSITY	75	75	90	75
GEL				

ADDITIVES: WATER & STEAM; C.M.C. 100 lbs.; SUPER COL 1000 lbs.

AT SURVEYS DEGREE: 4°

PUMPS		12 MN.	2 A.M.	4 A.M.	6 A.M.
NO. 1	PRESSURE	725	725	725	725
MODEL 5.5	S.P.M.	59	"	"	"
	LINER SIZE	5 1/2	X	15	
NO. 2	PRESSURE				
MODEL 7.5	S.P.M.				
	LINER SIZE	6 1/2	X	12	

MOTOR HOURS: 1 212; 2 212; 3 202; 4 116; 5

NEXT OIL CHANGE:

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP	FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP
1 7/8		8						

GENERAL

W.L. 6.5 F.C. 7/32 pH. 9.5

STANDS	SINGLES	D. COLLARS	OTHER FT.	C.B. FT.	SUBS. FT.	FT. UP ON KELLY	TOTAL
60.	/	16-453.56				5	5961

Tour - 8 a.m. - 4 p.m.

Specify Actual Hours Worked	HRS.
DRILLER R.G. Holtz	12
DERRICK R.W. Sanborn	8
MOTOR Art Manner	4
FLOOR Gordon Hannon	4
FLOOR George Smith	12
FLOOR	
FIREMAN	
EXTRA	
INJURIES:	
FIRES:	

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE
5961	66	6027	5	143 A	16	6 3/4	2 3/4	40		8	5"

BITS	NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION
B	9	8 3/4	M-38	3-14	1611942	25	50-65	135	5892	15 3/4	6027	

MUD	8 A.M.	10 A.M.	12 NOON	2 P.M.
WEIGHT	9.1	9.0	8.9	8.9
VISCOSITY	77	75	57	60
GEL				

ADDITIVES: WATER; 1200 # BELL; 50 # C.M.C.; 450 GALS DIESEL; 1 DRUM M-I LOSAL; 100 # PROTECTO MAGIC

AT SURVEYS DEGREE: 3° - 7/4°

PUMPS		8 A.M.	10 A.M.	12 NOON	2 P.M.
NO. 1	PRESSURE	1150	1250	1250	
MODEL 5 1/2	S.P.M.	58	54	54	
	LINER SIZE	5 1/2	"	"	
NO. 2	PRESSURE	OFF	OFF		
MODEL 4 1/2	S.P.M.				
	LINER SIZE	6 1/2	"	"	

MOTOR HOURS: 1 0; 2 0; 3 0; 4 124; 5

NEXT OIL CHANGE:

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP	FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP

GENERAL CHANGE IN GAS FLOOR & LAUNDRY ROOM - D-311 -

W.L. 7.0 F.C. 2/32 pH. 4.5

STANDS	SINGLES	D. COLLARS	OTHER FT.	C.B. FT.	SUBS. FT.	FT. UP ON KELLY	TOTAL
60	2	16-453.56				0	6027.00

Tour - 4 p.m. - Midnight

Specify Actual Hours Worked	HRS.
DRILLER Peter Symchuk	4
DERRICK Lawrence Derick	4
MOTOR George Minion	4
FLOOR Myles Hauser	4
FLOOR Jerry Pshyk	4
FLOOR	
FIREMAN	
EXTRA	
INJURIES:	
FIRES:	

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE
6027				143 A	16	6 3/4	2 3/4	40		3	5"

BITS	NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION
B	9	8 3/4	M-38	3-14	161194	25	50-65	135	5892	P.B.	6027	PH

MUD	4 P.M.	6 P.M.	8 P.M.	10 P.M.
WEIGHT	9.0			
VISCOSITY	63			
GEL				

ADDITIVES:

AT SURVEYS DEGREE: 5967 2°

PUMPS		4 P.M.
NO. 1	PRESSURE	
MODEL 5 1/2	S.P.M.	7
	LINER SIZE	5 1/2
NO. 2	PRESSURE	
MODEL	S.P.M.	
	LINER SIZE	

MOTOR HOURS: 1 4; 2 3; 3 3; 4 8; 5

NEXT OIL CHANGE:

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP	FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP

GENERAL

W.L. F.C. pH.

STANDS	SINGLES	D. COLLARS	OTHER FT.	C.B. FT.	SUBS. FT.	FT. UP ON KELLY	TOTAL
60	2	16-453.56				0	6027.

REMARKS	TIME START	TIME STOP	TIME INTERVAL
Drill 8 3/4 Hole	12 noon	3.30	3 1/2
Rig Survey Set for 1/2 Hour	3.30		
Wait Go To Baltom Oil Survey		4.45	3/4
Serv. Rig & Pump	4.45	4.30	1/4
Drill & Lower Visc. To	4.30		
Re-Run Survey.		8.00	3 1/2

CASCADE DRILLING Company Limited

DAILY DRILLING REPORT

CONSERVATION BOARD

DAY WORK RECORD

THIS IS 29 DAY ON THIS WELL

NOTE - Please show FOOTAGE made while "Control Drilling" as well as HOURS.

RIG No. 1 COMPANY Union Oil LOCATION Union Pan Am Texaco 0-72 DATE FEB 15 19 69

Tour - Midnight - 8 a.m.

Specify Actual Hours Worked	HRS.
DRILLER Peter Symchuk	8
DERRICK Dennis Pfrender	8
MOTOR Earl Mazile	8
FLOOR Jerry Pshyk	8
FLOOR Hilbert Kloster	8
FLOOR	
FIREMAN	
EXTRA	

INJURIES:

FIRES:

Tour - 8 a.m. - 4 p.m.

Specify Actual Hours Worked	HRS.
DRILLER R. St. Hilaire	8
DERRICK Ken Easton	8
MOTOR [illegible]	8
FLOOR [illegible]	8
FLOOR [illegible]	8
FLOOR	
FIREMAN	
EXTRA	

INJURIES:

FIRES:

Tour - 4 p.m. - Midnight

Specify Actual Hours Worked	HRS.
DRILLER Peter Symchuk	4
DERRICK Dennis Pfrender	4
MOTOR Earl Mazile	4
FLOOR Jerry Pshyk	4
FLOOR Hilbert Kloster	4
FLOOR	
FIREMAN	
EXTRA	

INJURIES:

FIRES:

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE
5892					16	6 3/4	2 3/8			3	5 11

STANDS 29 | SINGLES 1 | D. COLLARS 16-453.36 | OTHER FT. | C.B. FT. | SUBS. FT. | FT. UP ON KELLY | TOTAL

BITS NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION
8	7 7/8	ODT-5	3-14	6253	12	60	65	5827	5	5892	1-1-1

MUD	12 MN.	2 A.M.	4 A.M.	6 A.M.	ADDITIVES
WEIGHT					
VISCOSITY					
GEL					

AT SURVEYS DEGREE: 3852 2°

MOTOR HOURS		NEXT OIL CHANGE
1	176	
2	196	
3	176	
4	150	
5		

PUMPS: NO. 1 MODEL PZ-5 LINER SIZE 5½ X 15 | NO. 2 MODEL PZ-150 LINER SIZE 6½ X 12 | PRESSURE | S.P.M.

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP	FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP
1¼		8						

GENERAL

W.L. F.C. pH.

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE

STANDS 29 | SINGLES 1 | D. COLLARS 16-453.36 | OTHER FT. | C.B. FT. | SUBS. FT. | FT. UP ON KELLY | TOTAL

BITS NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION

MUD	8 A.M.	10 A.M.	12 NOON	2 P.M.	ADDITIVES
WEIGHT					
VISCOSITY					
GEL					

AT SURVEYS DEGREE:

MOTOR HOURS		NEXT OIL CHANGE
1	204	
2	204	
3	134	
4	104	
5		

PUMPS: NO. 1 MODEL C-150 LINER SIZE 5½ X 15" | NO. 2 MODEL C-150 LINER SIZE 6½ X 12" | PRESSURE | S.P.M.

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP	FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP

GENERAL

W.L. F.C. pH.

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE
5892	17	5909	3½	142	16	6¾	2⅜			8	5 IF

STANDS 29 | SINGLES 2 | D. COLLARS 16-453-36 | OTHER FT. | C.B. FT. | SUBS. FT. | FT. UP ON KELLY 27 | TOTAL 5909

BITS NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION
9	7 7/8	HP-53	3-14	161742	25	60	17	5892	5½		RUN

MUD	4 P.M.	6 P.M.	8 P.M.	10 P.M.	ADDITIVES
WEIGHT				9.1	Caustic 200 lbs.
VISCOSITY				33	Soda Ash 200 lbs.
GEL					

AT SURVEYS DEGREE: 5892 2°

MOTOR HOURS		NEXT OIL CHANGE
1	212	
2	212	
3	202	
4	116	
5		

PUMPS: NO. 1 MODEL C-150 LINER SIZE 5½ X 15" | NO. 2 MODEL C-150 LINER SIZE 6½ X 12 | PRESSURE | S.P.M. 129

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP	FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP
1⅛		8						

GENERAL

W.L. F.C. pH.

REMARKS	TIME START	STOP	INTERVAL
Hoist To Test.	12.00	2.30	2½
Serv. Rig & BOP.	2.30	2.45	¼
Make Up Packer	2.45	3.45	1
Run In Slow w/ Packer	3.45	6.45	3
Make Up Testing Head	6.45	7.00	¼
Enitial Opening + Shut In	7.00	7.30	½
Packer Shut In	7.30	8.00	½
Drill Stem Test No 1			
Interval 5848 - 5892			
(Dual packers Jars Safety Joint Pump out 5.6 MFE tool) Pre-Flow 5 min. Initial Shut in 60 Min. Flow 60 min. Final shut in 60 minutes.			
Pre-Flow - Weak air blow decreasing thro-out			
Final Flow - Very weak blow decreasing to nothing.			
Pipe Recovery 125' mud. 30' muddy salt water.			
Rig Service & BOP's	8.00	8.15	¼
Conducting DST #1 Shut-in and Flow Periods	8.15	10.30	2¼
Break out testing head	10.30	10.45	¼
Hoisting test tools	10.45	1.30	2¾
Laying Down Testing Tools + Taking samples	1.30	4.00	2½
Make up Bit & Check Blind	4.00		
Rams		7.15	¼
Tie Lines	7.15	7.30	¼
Test In Hole	7.30	7.45	¼
[illegible]	7.45	7.50	¼
[illegible]	7.50	7.55	¼
[illegible]	7.55	7.58	¼
[illegible]	7.58	8.00	½
Clean To Bottom	8.00	8.30	½
Drill 7 7/8 Hole	8.30	12.00	3½

Totco Ring on Bit No. ____ D.P. Calipered Date ____ Results ____ From Pipe Rack ____

B.O.P. Test-Operated ____ Time ____ Results ____

TOTAL CONTRACTOR TIME ____ HRS. TOOLPUSHER [illegible]

TOTAL COMPANY TIME ____ HRS. APPROVED BY [illegible]

CASCADE DRILLING Company Limited

DAILY DRILLING REPORT

CONSERVATION BOARD **DAY WORK RECORD**

THIS IS 20 DAY ON THIS WELL

NOTE - Please show FOOTAGE made while "Control Drilling" as well as HOURS.

RIG No. 1 COMPANY UNION OIL LOCATION UNION KAIN HWY. TOWNSHIP 0-7L DATE FEB 15 19 69

Tour - Midnight - 8 a.m.

Specify Actual Hours Worked	HRS.
DRILLER N. JOHNSON	8
DERRICK L. BELICK	8
MOTOR G. MINION	8
FLOOR M. HOULE	8
FLOOR C. LALIBERTE	8
FLOOR	
FIREMAN	
EXTRA	

INJURIES:

FIRES:

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE
5849	38	5887	7 3/4	144	16	6 3/4	2 7/8		0		5

BITS NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION
8A	6 1/16	BOILES 4		DDL21.68	12	66	60	5827	15		

MUD	12 MN.	2 A.M.	6 A.M.	6 A.M.	ADDITIVES	AT SURVEYS DEGREE	MOTOR HOURS	NEXT OIL CHANGE
WEIGHT	9.1	9.1	9.1	9.0	SUPER COL-1200		1 192	
VISCOSITY	[illegible]	78	70	89			2 192	
GEL							3 152	
PUMPS NO. 1 PRESSURE	825	825	9[illegible]	825			4 76	
MODEL S.P.M.	43	43	43	43	[illegible] WATER		5	
LINER SIZE	[illegible]							
NO. 2 PRESSURE								
MODEL S.P.M.	[illegible]	[illegible]						
LINER SIZE	[illegible]							

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP	FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP

GENERAL

W.L. 6.8 F.C. 9.2 pH. 8

STANDS	SINGLES	D. COLLARS	OTHER FT.	C.B. FT.	SUBS. FT.	FT. UP ON KELLY	TOTAL
19	1-532.74	453.56		73.73		2.43	3887.00

Tour - 8 a.m. - 4 p.m.

Specify Actual Hours Worked	HRS.
DRILLER Peter Symchuk	8
DERRICK Dennis Pownder	8
MOTOR Earl Mozile	8
FLOOR Jerry Pshyk	8
FLOOR Hilbert Klostar	8
FLOOR	
FIREMAN	
EXTRA	

INJURIES: Travel Allowance For Peter Symchuk From Edmonton To Rig 1

FIRES:

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE
5827				141	16	6 3/4	2 2/8			8	5

BITS NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION
8	8 3/4	ODVS	3-14	62553				5827			

MUD	8 A.M.	10 A.M.	12 NOON	2 P.M.	ADDITIVES	AT SURVEYS DEGREE	MOTOR HOURS	NEXT OIL CHANGE
WEIGHT							1	
VISCOSITY		THICK					2	
GEL							3	
PUMPS NO. 1 PRESSURE							4	
MODEL S.P.M.							5	
LINER SIZE	5 1/2 X 15							
NO. 2 PRESSURE								
MODEL S.P.M.	THRU'D							
LINER SIZE	6 1/2 X 12							

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP	FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP
1M					15			

GENERAL

W.L. F.C. pH.

STANDS	SINGLES	D. COLLARS	OTHER FT.	C.B. FT.	SUBS. FT.	FT. UP ON KELLY	TOTAL
38	2	16-453.56					

Tour - 4 p.m. - Midnight

Specify Actual Hours Worked	HRS.
DRILLER Ken Holik	10
DERRICK Ken Radtke	10
MOTOR Glen Manson	8
FLOOR Lorraine Manson	10
FLOOR George Smith	4
FLOOR	
FIREMAN	
EXTRA	

INJURIES:

FIRES:

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE
5827	65	5892	6	141M	16	6 3/4	2 2/8	Jom		8	5"

BITS NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION
9	8 3/4	ODV-J	3-14	62553	140	60	10 5	5827	6		

MUD	4 P.M.	6 P.M.	8 P.M.	10 P.M.	ADDITIVES	AT SURVEYS DEGREE	MOTOR HOURS	NEXT OIL CHANGE
WEIGHT	9.2	9.2	9.2	9.2	WATER		1 133	
VISCOSITY	90	88	86	79			2 180	
GEL							3 169	
PUMPS NO. 1 PRESSURE	625	625	600	600			4 92	
MODEL S.P.M.	58	58	58	58			5	
LINER SIZE	5 1/2" X 15"							
NO. 2 PRESSURE	700	700	700	700				
MODEL S.P.M.	113	113	113	113				
LINER SIZE	6 1/2" X 12"							

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP	FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP

GENERAL Ream 60 Feet To Rat Hole

W.L. F.C. pH.

STANDS	SINGLES	D. COLLARS	OTHER FT.	C.B. FT.	SUBS. FT.	FT. UP ON KELLY	TOTAL
39	2	11-453.56					

REMARKS	TIME START	TIME STOP	TIME INTERVAL
CORE # 1	12[illegible]	1[illegible]	1 1/4
Rig Ser	1[illegible]	1 30	1/4
Core	1 30	2 00	6 1/2
Break Core Loose	8.00	8.[illegible]	1/4
Hoist Out w/ Core	8.15	11.00	2 3/4
Recover Core & Box Same.	11.00	12.45	1 1/4
SERV. Rig & B.O.P.	12.15	12.30	1/4
Run In Drill Collars w/ Bit	12.30	1.00	
Slip Line	1.00	1.30	1/2
Run In	1.30	3.15	1 3/4
Break Circ. Clean To	3.15		
Top Of Rat Hole.		4.[illegible]	3/4
Ream Out Rat Hole	4.00		
After Circ. w/ Mud 3.-		5.15	1 3/4
Rig Ser. & Service	5.15	5.30	1/4
Ream Out To Rat Hole	5.30		
Wash To Bot.		7.45	2 1/2
Circ. & Wire Foot	7.45		
Hoist On Depth		7.[illegible]	1/2
Drill 5 Ft of 8 3/4	7.45		
Hole		[illegible]	1/2
Circ. Clean Top	[illegible]	11.30	1 1/2
Hoist To Test.	11.30	12.[illegible]	1/2

Totco Ring on Bit No. _____ D.P. Calipered Date _____ Results _____ From Pipe Rack _____ TOTAL CONTRACTOR TIME _____ HRS. TOOLPUSHER _____

B.O.P. Test-Operated _____ Time _____ Results _____ TOTAL COMPANY TIME _____ HRS. APPROVED BY _____

CASCADE DRILLING Company Limited

DAILY DRILLING REPORT

CONSERVATION BOARD

DAY WORK RECORD

THIS IS 27 DAY ON THIS WELL

NOTE - Please show FOOTAGE made while "Control Drilling" as well as HOURS.

RIG No. 1 COMPANY UNION OIL LOCATION LINDA KANIKA KAINOOR 0-72 DATE FEB 14 1969

Tour - Midnight - 8 a.m.

Specify Actual Hours Worked	HRS.
DRILLER N. JOHNSON	8
DERRICK J. BELICK	8
MOTOR G. MINION	8
FLOOR M. HOULE	8
FLOOR C. LAMBERTE	8
FLOOR	
FIREMAN	
EXTRA	

INJURIES:

FIRES:

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE
5823	4	5827	1/2	144	18	6 1/4	2 7/16	40		5	5"

BITS	NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION
	7	6 3/4	MINE-)	14	910192	40	50	126	5701	19	5827	3-1-1

MUD	12 MN.	2 A.M.	4 A.M.	6 A.M.
WEIGHT	9.1	91	91	
VISCOSITY	78	76	80	
GEL				

ADDITIVES: SUPER COL - 2200 CMC - 100#

AT SURVEYS DEGREE: 5827 2 1/2

MOTOR HOURS: 1 148; 2 140; 3 128; 4 52; 5

NEXT OIL CHANGE

PUMPS					
NO. 1	PRESSURE	700	700	700	
MODEL G-850	S.P.M.	58	58	58	
	LINER SIZE	5 1/2	X	15	
NO. 2	PRESSURE				
MODEL G-1150	S.P.M.				
	LINER SIZE	6 1/2			

1" STM OF WATER.

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP	FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP

GENERAL

W.L. 89 F.C. 732 pH. 9

STANDS 58 - ~~5811.01~~ SINGLES 5291.33 D. COLLARS 512.32 OTHER FT. C.B. FT. SUBS. FT. FT. UP ON KELLY 17.00 TOTAL 5827.05

REMARKS	START	STOP	INTERVAL
DRILL	12 00	12 30	1/2
RIG SER	12 30	12 45	1/4
CIRC SAMPLE	12 45	1 45	1
CIRC PRIOR TO CORE	1 45	4 00	2 1/4
SURVEY	4 00	4 15	1/4
HOIST	4 15	4 30	1/4
WORK TIGHT HOLE @ 5700	4 30		
CIRC & CONDITION MUD		6 45	2 1/4
HOIST TO CORE	6 45	8 00	1 1/4

Tour - 8 a.m. - 4 p.m.

Specify Actual Hours Worked	HRS.
DRILLER Peter Symchuk	8
DERRICK Dennis Pounder	8
MOTOR Earl Mozile	8
FLOOR Jerry Pshyk	8
FLOOR Albert Klosterman	8
FLOOR	
FIREMAN	
EXTRA	

INJURIES:

FIRES:

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE
5827					16	6 3/4	2 7/16			X	

BITS	NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION
	7A	6 7/8	Q		DDL 26.68							

MUD	8 A.M.	10 A.M.	12 NOON	2 P.M.
WEIGHT				
VISCOSITY				
GEL				

ADDITIVES:

AT SURVEYS DEGREE:

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

NEXT OIL CHANGE

PUMPS					
NO. 1	PRESSURE				
MODEL F-10	S.P.M.				
	LINER SIZE	5 1/2	X	15	
NO. 2	PRESSURE				
MODEL F-10	S.P.M.				
	LINER SIZE	6 1/2	X	12	

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP	FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP

GENERAL

W.L. F.C. pH.

STANDS 58 SINGLES D. COLLARS 16 - 453.56 OTHER FT. C.B. FT. 33.73 SUBS. FT. FT. UP ON KELLY TOTAL

REMARKS	START	STOP	INTERVAL
HOIST + STRAP OUT	8 00	10 45	2 3/4
SERV. RIG + B.O.P	10 45	11 00	1/4
LAY DOWN 2 WASHED DRILL COLLARS	11 00	11 30	1/2
PICK & MAKE UP CORE BBLS	11 30		
& JARS.		1 00	1 1/2
RUN IN SLOW	1 00	3 30	2 1/2
BREAK CIRC & CLEAN FILL	3 30	4 00	1/2
35' FILL			

Tour - 4 p.m. - Midnight

Specify Actual Hours Worked	HRS.
DRILLER Ray. Haller	8
DERRICK Ron Canton	8
MOTOR Harv. Mennefee	8
FLOOR Gordon Hannum	8
FLOOR	
FLOOR	
FIREMAN	
EXTRA	

INJURIES:

FIRES:

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE
5827	22	5849	7 1/4	144M	16	6 3/4	2 7/16	40M		8	5"

BITS	NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION
	7A	6 3/4			DDL 26.68	12M	60	22	5827	7 1/4		RUN
			37.									

MUD	4 P.M.	6 P.M.	8 P.M.	10 P.M.
WEIGHT	88	88	89	
VISCOSITY	9.1	9.1	9.1	
GEL				

ADDITIVES: WATER ASSORTED DIESEL

AT SURVEYS DEGREE:

MOTOR HOURS: 1 16.4; 2 16.4; 3 17.7; 4 6.9; 5

NEXT OIL CHANGE

PUMPS					
NO. 1	PRESSURE	900	"	"	"
MODEL F-10	S.P.M.	42	"	"	"
	LINER SIZE	5 1/2	X 15		
NO. 2	PRESSURE				
MODEL F-10	S.P.M.				
	LINER SIZE	6 1/2		KILL	

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP	FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP

GENERAL

W.L. 11 F.C. 2 1/2 pH. 8

STANDS 58 - 5350.09 SINGLES 1-30.78 D. COLLARS 16 - 492.56 OTHER FT. C.B. FT. 18.73 SUBS. FT. FT. UP ON KELLY 14' TOTAL 5849.00

REMARKS	START	STOP	INTERVAL
CLEAN TO BTM FROM	4 00		
TO CORING		4 45	3/4
CORE 6 3/4 HOLE	4 45	12 00	7 1/4

Totco Ring on Bit No. D.P. Calipered Date Results From Pipe Rack TOTAL CONTRACTOR TIME HRS. TOOLPUSHER C. C. Lamkin

B.O.P. Test-Operated Time Results TOTAL COMPANY TIME HRS. APPROVED BY

CASCADE DRILLING Company Limited

DAILY DRILLING REPORT

CONSERVATION BOARD

DAY WORK RECORD

THIS IS 26 DAY ON THIS WELL 8-72.

NOTE - Please show FOOTAGE made while "Control Drilling" as well as HOURS.

RIG No. 1 COMPANY UNION OIL LOCATION UNION PAN AM TRAINOR DATE FEB 13 19 69

Tour - Midnight - 8 a.m.

Specify Actual Hours Worked	HRS.
DRILLER N. JOHNSON	8
DERRICK L. BELICK	8
MOTOR G. MINION	8
FLOOR M. HULE	8
FLOOR C. LANIERTE	8
FLOOR	
FIREMAN	
EXTRA	

INJURIES:

FIRES:

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE

BITS NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION
7	8 3/4	MANG-1	19	910192							

MUD	12 MN.	2 A.M.	4 A.M.	6 A.M.
WEIGHT				
VISCOSITY				
GEL				

ADDITIVES 16. AIR

AT SURVEYS: 5731 DEGREE 1/4

MOTOR HOURS: 1 2 3 4 5

NEXT OIL CHANGE

PUMPS		
NO. 1	PRESSURE	
	MODEL	
	S.P.M.	
	LINER SIZE	
NO. 2	PRESSURE	
	MODEL	
	S.P.M.	
	LINER SIZE	

W.L. F.C. pH.

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP

GENERAL D.P. TALLY 5735.14
DOWN HOLE SURV. 5731.24
DIFF 30.75 CORR MADE.

STANDS
SINGLES
D. COLLARS
OTHER FT.
C.B. FT.
SUBS. FT.
FT. UP ON KELLY
TOTAL

REMARKS	TIME START	STOP	INTERVAL
HOIST MEASURE OUT.	12 00	3 00	3.
SLIP DRLG LINE	3 00	3 15	1/4
CLEAN SUCTION TANK.	3 15		
LINE UP #1 PUMP		5 15	2
MEASURE IN	5 15	8 00	2 3/4

Tour - 8 a.m. - 4 p.m.

Specify Actual Hours Worked	HRS.
DRILLER Peter Symchuk	8
DERRICK Dennis Perunder	8
MOTOR Earl Mozile	8
FLOOR Jerry Pshyk	8
FLOOR Albert Klosterr	8
FLOOR	
FIREMAN	
EXTRA	

INJURIES:

FIRES:

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE
5701	60	5761	6 1/2	143	18	6 3/4	2 7/8	40		8	5 1/2"

BITS NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION
7	8 3/4	M4NC-5	3-14	910192	40	80	60	5701	6 1/2		RUN

MUD	8 A.M.	10 A.M.	12 NOON	2 P.M.
WEIGHT	9.2	9.0	9.0	9.0
VISCOSITY	70	70	63	50
GEL				

ADDITIVES WATER 1 STREAM. DIESEL #40 gals. ATOSOL 5 gals. PROTECTO MAGIC 1000 lbs. SUPER COL. 1500 lbs.

AT SURVEYS: 5700 DEGREE 1/4

MOTOR HOURS: 1 132 2 132 3 112 4 36 5

NEXT OIL CHANGE

PUMPS				
NO. 1	PRESSURE	675	675	700
	MODEL 15	S.P.M. 58	58	68
	LINER SIZE 5 1/2 x 15			
NO. 2	PRESSURE			
	MODEL 15	S.P.M. TANKS		
	LINER SIZE 6 1/2			

W.L. 9.2 F.C. 2/32 pH 8.0

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP
18		8					

GENERAL CONSERVATION BOARD CHECK 15.0 FT-1 HR-DIR.

STANDS 57
SINGLES 1
D. COLLARS 18-512.32
OTHER FT.
C.B. FT.
SUBS. FT.
FT. UP ON KELLY 22
TOTAL 3761

REMARKS	TIME START	STOP	INTERVAL
FINISH IN	8 00	8 15	1/4
BREAK CIRC. CLEAN 60' FILL	8 15	9 00	3/4
SERV. RIG & BOP.	9 00	9 15	1/4
DRILL 8 3/4 HOLE.	9 15	1 45	4 1/2
CONSERVATION BOARD CHECK.	1 45	2 00	1/4
DRILL	2 00	4 00	2

Tour - 4 p.m. - Midnight

Specify Actual Hours Worked	HRS.
DRILLER Robt. Hulme	5
DERRICK Jim Sartin	5
MOTOR Jack Hanger	5
FLOOR Gordon Hanson	5
FLOOR	
FLOOR	
FIREMAN	
EXTRA	

INJURIES:

FIRES:

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE
5761	62	5823	7	143M	18	6 3/4	2 7/8	40M		8	5"

BITS NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION
7	8 3/4	M4NG	3-14	910192	40M	90	122	5701	13 1/2		RUN

MUD	4 P.M.	6 P.M.	8 P.M.	10 P.M.
WEIGHT	9.1	9.1	9.1	9.1
VISCOSITY	50	54	66	65
GEL				

ADDITIVES WATER 1 STREAM. CMC -100# BELL -2400#

AT SURVEYS: DEGREE

MOTOR HOURS: 1 14 2 14 3 13 4 21 5

NEXT OIL CHANGE

PUMPS				
NO. 1	PRESSURE	700	700	700
	MODEL 5	S.P.M. 58	58	
	LINER SIZE 6 1/2 x 15			
NO. 2	PRESSURE			
	MODEL	S.P.M.		
	LINER SIZE 6 1/2			

W.L. F.C. pH.

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP

GENERAL

STANDS 5331.72
SINGLES
D. COLLARS 18-512.32
OTHER FT.
C.B. FT.
SUBS. FT.
FT. UP ON KELLY 21
TOTAL 5823.10

REMARKS	TIME START	STOP	INTERVAL
DRILL 8 3/4 HOLE	4 00	4 15	1/4
UNDUE FLOWLINE	4 15	5 00	3/4
DRILL 8 3/4 HOLE	5 00	6 [illegible]	1 [illegible]
[illegible]	6 [illegible]	7 [illegible]	[illegible]
[illegible] 8 3/4 HOLE	7 [illegible]	[illegible]	5"

Totco Ring on Bit No. D.P. Calipered Date Results From Pipe Rack

B.O.P. Test-Operated Time Results

TOTAL CONTRACTOR TIME HRS. TOOLPUSHER H. H. Tomlee

TOTAL COMPANY TIME HRS. APPROVED BY

CASCADE DRILLING Company Limited

DAILY DRILLING REPORT

CONSERVATION BOARD **DAY WORK RECORD**

THIS IS 25 DAY ON THIS WELL

NOTE - Please show FOOTAGE made while "Control Drilling" as well as HOURS.

RIG No. 1 COMPANY Union Oil LOCATION Union Pan Am Trainor 0-72 DATE FEB 12 19 69

Tour - Midnight - 8 a.m.

Specify Actual Hours Worked	HRS.
DRILLER N. Lounsbury	8
DERRICK J. Belick.	8
MOTOR E. Minion	8
FLOOR M. Houle	8
FLOOR C. Laliberte	8
FLOOR	
FIREMAN	
EXTRA	

INJURIES:

FIRES:

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE
5249 / 4813	200	5449	7 3/4	141	18	6 3/4	2 1/8	40		8	5

BITS	NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION
	6	8 3/4	X16	3-14	3719	40	80	636	4813	23 1/2		

MUD	12 MN.	2 A.M.	4 A.M.	6 A.M.
WEIGHT	9.3	9.3	9.3	9.3
VISCOSITY	63	63	72	72
GEL				

ADDITIVES: Super Col 1400# / Q1

AT SURVEYS DEGREE

MOTOR HOURS		NEXT OIL CHANGE
1	116	
2	116	
3	89	
4	DUE	
5		

PUMPS		12 MN.	2 A.M.	4 A.M.	6 A.M.
NO. 1	PRESSURE	675	675	675	675
MODEL C-250	S.P.M.	57	57	58	58
	LINER SIZE	5 1/2	X	15	
NO. 2	PRESSURE				
MODEL C-150	S.P.M.	TANKS			
	LINER SIZE	6 1/2			

1" STM OF WATER.

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP	FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP

GENERAL

W.L. 8.2 F.C. 2/32 pH 7.8

STANDS 5 | SINGLES 1-189 6.16 | D. COLLARS 512.32 | OTHER FT. | C.B. FT. | SUBS. FT. | FT. UP ON KELLY 6 | TOTAL 5449.98

Tour - 8 a.m. - 4 p.m.

Specify Actual Hours Worked	HRS.
DRILLER Peter Symchuk	8
DERRICK Dennis Penninger	8
MOTOR Earl Mozile	8
FLOOR Jerry Pshyk	8
FLOOR Meyer Klosker	8
FLOOR	
FIREMAN	
EXTRA	

INJURIES:

FIRES:

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE
5449	164	5613	7	143	18	6 3/4	2 1/8	40		8	5 1/2

BITS	NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION
	6	8 3/4	X16	3-14	3719	40	80	800	4813	31 1/2		Run

MUD	8 A.M.	10 A.M.	12 NOON	2 P.M.
WEIGHT	9.1	9.1	9.1	9.1
VISCOSITY	70	65	65	70
GEL				

ADDITIVES: SuperCol 1050 LBS / Water 1"

AT SURVEYS DEGREE: 5449 1/2

MOTOR HOURS		NEXT OIL CHANGE
1	124	
2	124	
3	92	
4	4	
5		

PUMPS		8 A.M.	10 A.M.	12 NOON	2 P.M.
NO. 1	PRESSURE	700	700	700	700
MODEL C-250	S.P.M.	60	L	L	L
	LINER SIZE	6 1/2	X	15	
NO. 2	PRESSURE				
MODEL C-150	S.P.M.				
	LINER SIZE	6 1/2			

Dumped & Cleaned Shaker Tank

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP	FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP
1 7/8		8						

GENERAL: Changed Oil & Filters D-311

W.L. F.C. pH.

STANDS 33 | SINGLES 1 | D. COLLARS K-512.32 | OTHER FT. | C.B. FT. | SUBS. FT. | FT. UP ON KELLY 18 | TOTAL 5613

Tour - 4 p.m. - Midnight

Specify Actual Hours Worked	HRS.
DRILLER Kosi Holva	8
DERRICK Ron Barton	8
MOTOR Asst. Mangr.	8
FLOOR AL Hansen	8
FLOOR Gordon Upham	8
FLOOR	
FIREMAN	
EXTRA	

INJURIES:

FIRES:

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE
5613	13	5626	5 1/4	143M	18	6 3/4	2 1/2	40M			5"

BITS	NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION
	6	8 3/4	X16	3-14	3719	40M	70	713	4813	31 1/2	5526	2-1-I

MUD	4 P.M.	6 P.M.	8 P.M.	10 P.M.
WEIGHT				
VISCOSITY				
GEL				

ADDITIVES: WATER. / 540 GALS DIESEL / 1000# Protecto Magic / 1600# Gel / 5 Drum Attasol L.T. / 100# CMC.

AT SURVEYS DEGREE

MOTOR HOURS		NEXT OIL CHANGE
1	100	
2	100	
3	90	
4	4	
5		

PUMPS		4 P.M.	6 P.M.	8 P.M.	10 P.M.
NO. 1	PRESSURE	700			
MODEL C-250	S.P.M.	60			
	LINER SIZE	5 1/2 X 15			
NO. 2	PRESSURE				
MODEL C-150	S.P.M.	DAI MUD PUMP			
	LINER SIZE	6 1/2			

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP	FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP

GENERAL

W.L. F.C. pH.

STANDS 31 39.52 | SINGLES 30.46 | D. COLLARS 18-512.32 | OTHER FT. | C.B. FT. | SUBS. FT. | FT. UP ON KELLY 30 | TOTAL 5734.00

REMARKS	TIME START	TIME STOP	TIME INTERVAL
Drill	12:00	12:45	3/4
R.S. Serv	12:45	1:00	1/4
Drill	1:00	8:00	7
Serv Rig Trip	8:00	8:15	1/4
Circ & Cln. Hole Prior To Survey	8:15	8:30	1/4
Survey @ 5449.	8:30	9:00	1/2
Drill 8 3/4 Hole	9:00	4:30	7
Drill 8 3/4 Hole	4:00	4:30	1/2
R.S. Serv. & Shovel	4:30	4:45	1/4
Drill 8 3/4 Hole	4:45	9:30	4 3/4
Circ Sample	9:30	11:00	1 1/2
Drop Survey	11:00	11:15	1/4
Trip Out of Hole	11:15	12:00	3/4

Totco Ring on Bit No. ____ D.P. Calipered Date ____ Results ____ From Pipe Rack ____

B.O.P. Test-Operated ____ Time ____ Results ____

TOTAL CONTRACTOR TIME ____ HRS. TOOLPUSHER P. G. Turtle

TOTAL COMPANY TIME ____ HRS. APPROVED BY

CASCADE DRILLING Company Limited

DAILY DRILLING REPORT

CONSERVATION BOARD **DAY WORK RECORD**

THIS IS 24 DAY ON THIS WELL

NOTE - Please show FOOTAGE made while "Control Drilling" as well as HOURS.

RIG No. 1 COMPANY UNION OIL LOCATION UNION PAN AM TRAINOR D-12 DATE FEB 11 19 69

Tour - Midnight - 8 a.m.

Specify Actual Hours Worked	HRS.
DRILLER N. JOHNSON	12
DERRICK L. BELICK	12
MOTOR G. MINION	12
FLOOR T. HOULE	12
FLOOR C. LALIBERTE	12
FLOOR	
FIREMAN	
EXTRA	
INJURIES:	
FIRES:	

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE
4813	200	5013	7	134	18	6 3/4	2 7/8	40		5	3

BITS	NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION
B	6	8 3/4	X16	14	3117	40	80	200	4813	7		
I												
T												
S												

MUD	12 MN.	2 A.M.	4 A.M.	6 A.M.	ADDITIVES	AT SURVEYS DEGREE		MOTOR HOURS	NEXT OIL CHANGE
WEIGHT	9.5	9.5	9.2	9.1	PROTECTO MAGIC-250 LBS	4813	1/2	1 92	
VISCOSITY	55	50	47	45	ATLOSOL-1 DRUM.			2 92	
GEL					DIESEL-1250 GAL.			3 62	
PUMPS NO. 1 PRESSURE	725	725	725	725	CMC-100 #			4 160	
MODEL S.P.M.	52	52	52	52	SUPER COL-1500 #			5	
LINER SIZE	5 1/2 X 15				SIZE TRIPS NO. LINES TON MILES TOTAL MILES SLIP FEET OR CUT FEET LEFT ON SPOOL NEXT SLIP				
NO. 2 PRESSURE									
MODEL S.P.M.	TRIPS			9	GENERAL				
LINER SIZE	6 1/2								

W.L. 93 F.C. 3/32 pH. 9

STANDS 18 | SINGLES 2-951.52 | D. COLLARS 512.32 | OTHER FT. | C.B. FT. | SUBS. FT. | FT. UP ON KELLY 12.84 | TOTAL 5013.00

Tour - 8 a.m. - 4 p.m.

Specify Actual Hours Worked	HRS.
DRILLER Peter Symchuk	8
DERRICK Dennis Pounder	8
MOTOR Earl Mozile	8
FLOOR Jerry Bhyk	8
FLOOR Albert Kloster	8
FLOOR	
FIREMAN	
EXTRA	
INJURIES:	
FIRES:	

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE
5013	43	5056	2	140	18	6 3/4	2 7/8	40		8	3 1/2

BITS	NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION
B	6	8 3/4	X16	14	3117	40	80	243	4813	9		Run
I												
T												
S												

MUD	8 A.M.	10 A.M.	12 NOON	2 P.M.	ADDITIVES	AT SURVEYS DEGREE		MOTOR HOURS	NEXT OIL CHANGE
WEIGHT		9.2	9.1	9.1	Super COL. 1750 LBS.			1 100	1
VISCOSITY		75	70	65	Water 3/4"			2 100	
GEL								3 70	
PUMPS NO. 1 PRESSURE			675	675				4 168	
MODEL S.P.M.	56	—	—					5	
LINER SIZE	5 1/2 X 15				SIZE TRIPS NO. LINES TON MILES TOTAL MILES SLIP FEET OR CUT FEET LEFT ON SPOOL NEXT SLIP				
NO. 2 PRESSURE									
MODEL S.P.M.					GENERAL				
LINER SIZE	6 1/2								

W.L. F.C. pH.

STANDS 17 | SINGLES | D. COLLARS 14-512.32 | OTHER FT. | C.B. FT. | SUBS. FT. | FT. UP ON KELLY | TOTAL 5056

Tour - 4 p.m. - Midnight

Specify Actual Hours Worked	HRS.
DRILLER Robt. Holtz	9
DERRICK Don Gordon	9
MOTOR Orrie Nisbet	9
FLOOR Sen	9
FLOOR Al Hand	9
FLOOR	
FIREMAN	
EXTRA	
INJURIES: Travelling Time	
FIRES:	

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE
5056	193	5249	7 3/4	140M	18	6 3/4	2 7/8	40#		8	3

BITS	NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION
B	6	8 3/4	X16	3-14	3117	40#	70	436	4813	16 7/4		Run
I												
T												
S												

MUD	4 P.M.	6 P.M.	8 P.M.	10 P.M.	ADDITIVES	AT SURVEYS DEGREE		MOTOR HOURS	NEXT OIL CHANGE
WEIGHT	9.1	9.1	9.1	9.2				1 100	
VISCOSITY	61	62	63	61	22# GALTHROCK			2 100	
GEL					1600# GEL			3 76	
PUMPS NO. 1 PRESSURE	675	"	"		1000 # PROTECTO MAGIC			4 176	
MODEL S.P.M.	52	"	"		1" DIA. THROAT			5	
LINER SIZE	5 1/2	"	"	"	SIZE TRIPS NO. LINES TON MILES TOTAL MILES SLIP FEET OR CUT FEET LEFT ON SPOOL NEXT SLIP				
NO. 2 PRESSURE									
MODEL S.P.M.			MUD		GENERAL				
LINER SIZE			ADD						

W.L. F.C. pH.

STANDS 51-4686.72 | SINGLES 1-362.77 | D. COLLARS 14-512.32 | OTHER FT. | C.B. FT. | SUBS. FT. | FT. UP ON KELLY 21' | TOTAL 5249.00

REMARKS	TIME START	STOP	INTERVAL
RIG SER	12	12 15	1/4
DRILL	12 15	1 15	1
CLEAN SUCTION TANK	1 15	2 00	3/4
DRILL	2 00	8 00	6

CASCADE DRILLING Company Limited

DAILY DRILLING REPORT

CONSERVATION BOARD

DAY WORK RECORD

THIS IS 23 DAY ON THIS WELL

NOTE-Please show FOOTAGE made while "Control Drilling" as well as HOURS.

RIG No. 1 COMPANY UNION OIL LOCATION UNION KAUFMAN TRAINOR DATE FEB 10 19 69

Tour - Midnight - 8 a.m.

Specify Actual Hours Worked	HRS.
DRILLER N. JOHNSON	8
DERRICK L. BELICK	8
MOTOR C. MINION	8
FLOOR M. HOULE	8
FLOOR C. LALIBERTE	8
FLOOR	
FIREMAN	
EXTRA	

INJURIES:

FIRES:

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE
4813										8	

BITS NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION

MUD	12 MN.	2 A.M.	4 A.M.	6 A.M.
WEIGHT				
VISCOSITY				
GEL				

ADDITIVES: SUPER CO-ACE. CAC-1502. WATER TO BUILD VOLUME.

AT SURVEYS DEGREE

MOTOR HOURS	
1	5B
2	5B
3	28
4	136
5	

NEXT OIL CHANGE

PUMPS			
NO. 1	PRESSURE		
MODEL	S.P.M.		
	LINER SIZE		
NO. 2	PRESSURE		
MODEL	S.P.M.		
	LINER SIZE		

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP

GENERAL

W.L. F.C. pH.

STANDS
SINGLES
D. COLLARS
OTHER FT.
C.B. FT.
SUBS. FT.
FT. UP ON KELLY
TOTAL

REMARKS	TIME START	STOP	INTERVAL
WORK ON CROWN	12	530	5½
STRING LINE	530	600	2½

Tour - 8 a.m. - 4 p.m.

Specify Actual Hours Worked	HRS.
DRILLER C. LALIBERTE	8
DERRICK R. J. BRETT	12
MOTOR W. H. WISE BECK	2
FLOOR A. MACKENZIE	8
FLOOR D. HOULE	12
FLOOR	
FIREMAN	
EXTRA	

INJURIES:

FIRES:

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE

BITS NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION

MUD	8 A.M.	10 A.M.	12 NOON	2 P.M.
WEIGHT	72			
VISCOSITY	69			
GEL				

ADDITIVES: CLEAN AND DUMP SHAKER TANKS.

AT SURVEYS DEGREE

MOTOR HOURS	
1	
2	
3	
4	
5	

NEXT OIL CHANGE

PUMPS			
NO. 1	PRESSURE		
MODEL	S.P.M.		
	LINER SIZE		
NO. 2	PRESSURE		
MODEL	S.P.M.		
	LINER SIZE		

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP

GENERAL

W.L. 9.8 F.C. 5/32 pH.

STANDS 423.41
SINGLES 31.43
D. COLLARS 212.20
OTHER FT.
C.B. FT.
SUBS. FT.
FT. UP ON KELLY 0
TOTAL 4 13.04

REMARKS	TIME START	STOP	INTERVAL
RAISE DERRICK RIG UP FLOOR	800	230	6½
HOISTING	230	400	15

Tour - 4 p.m. - Midnight

Specify Actual Hours Worked	HRS.
DRILLER R. A. MACKENZIE	4
DERRICK L. BELICK	4
MOTOR ARCHIE MANNERS	4
FLOOR M. HOULE	12
FLOOR GORDON HUNT	8
FLOOR	
FIREMAN	
EXTRA	

INJURIES:

FIRES:

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE
				124M	16	6¼	2¼	4.9			4½

BITS NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION
	6¼	HG	3-	2117				7113			

MUD	4 P.M.	6 P.M.	8 P.M.	10 P.M.
WEIGHT				
VISCOSITY				
GEL				

ADDITIVES:

AT SURVEYS DEGREE 4 10 ½

MOTOR HOURS	
1	
2	
3	
4	
5	

NEXT OIL CHANGE

PUMPS			
NO. 1	PRESSURE		
MODEL	S.P.M.		
	LINER SIZE		
NO. 2	PRESSURE		
MODEL	S.P.M.		
	LINER SIZE		

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP

GENERAL

W.L. F.C. pH.

STANDS 423.41
SINGLES 31.43
D. COLLARS 212.20
OTHER FT.
C.B. FT.
SUBS. FT.
FT. UP ON KELLY 0
TOTAL 4 13.04

REMARKS	TIME START	STOP	INTERVAL
FINISH CLEANING OUT + DUMP SHAKER TANKS	4	500	1
TRIP OUT OF HOLE	5	5	½
MAKE UP BIT + TRIP IN HOLE	5		
WASH + REAM		5	½
CLEAN MUD TANKS	5	7	1½
TRIP IN HOLE	7	945	1¾
WASH + REAM		10	½
DRILL FT. 4813		10	½

Totco Ring on Bit No. _____ D.P. Calipered Date _____ Results _____ From Pipe Rack _____

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

TOTAL CONTRACTOR TIME _____ HRS. TOOLPUSHER C. H. Crumble

TOTAL COMPANY TIME _____ HRS. APPROVED BY _____

CASCADE DRILLING Company Limited

DAILY DRILLING REPORT

CONSERVATION BOARD **DAY WORK RECORD**

THIS IS 22 DAY ON THIS WELL

NOTE - Please show FOOTAGE made while "Control Drilling" as well as HOURS.

RIG No. 1 COMPANY UNION OIL LOCATION UNION PAN AM TRAINOR 0-12 DATE FEB 8 19 69

Tour - Midnight - 8 a.m.

Specify Actual Hours Worked	HRS.
DRILLER M. JOHNSON	12
DERRICK L. BELILE	12
MOTOR C. MUNION	12
FLOOR M. HOULE	12
FLOOR C. LALIBERTE	8
FLOOR	
FIREMAN	
EXTRA	
INJURIES:	
FIRES:	

FROM 4813. FOOTAGE TO HRS. ON BOTTOM WT. DRILL STRING (1000 LBS.) DRILL COLLARS NO. O.D. I.D. WGT. FUEL GALS. BOILER HRS. DRILL PIPE SIZE STANDS SINGLES

BITS: NO. SIZE TYPE SIZE JETS SERIAL NO. WEIGHT R.P.M. FT. DRLD. DEPTH IN HRS. DEPTH OUT CONDITION

D. COLLARS OTHER FT. C.B. FT. SUBS. FT. FT. UP ON KELLY TOTAL

MUD	12 MN.	2 A.M.	4 A.M.	6 A.M.
WEIGHT				93
VISCOSITY				47.
GEL				

ADDITIVES: CIRCULATING!

AT SURVEYS DEGREE

MOTOR HOURS: 1 34 2 34 3 41 4 104

NEXT OIL CHANGE

PUMPS: NO. 1 PRESSURE 250 MODEL C-150 S.P.M. LINER SIZE 5½ X 15 — NO. 2 PRESSURE MODEL 7-150 S.P.M. TANKS. LINER SIZE 6 1/2

CHANGED OIL ON STANDBY PUMP 5 MOTORS

SIZE TRIPS NO. LINES TON MILES TOTAL MILES SLIP FEET OR CUT FEET LEFT ON SPOOL NEXT SLIP

GENERAL C-150 CHANGED - HEADS, LINER, AND ODDENS
" HEAD, RUBBERS & LINER RINS
" GLAND PACKING BOTH SIDES.

W.L. 9.2 F.C. 3/32 pH. 8

REMARKS	TIME START	TIME STOP	TIME INTERVAL
WORK ON CROWN	1200	2100	8

Tour - 8 a.m. - 4 p.m.

Specify Actual Hours Worked	HRS.
DRILLER G. McLEOD	12
DERRICK RAY BARTON	12
MOTOR KEN MILLSBECK	12
FLOOR AL HANSEN	9
FLOOR BRUCE MANNERS	12
FLOOR	
FIREMAN	
EXTRA	
INJURIES:	
FIRES:	

FROM FOOTAGE TO HRS. ON BOTTOM WT. DRILL STRING (1000 LBS.) DRILL COLLARS NO. O.D. I.D. WGT. FUEL GALS. BOILER HRS. DRILL PIPE SIZE STANDS SINGLES

BITS: NO. SIZE TYPE SIZE JETS SERIAL NO. WEIGHT R.P.M. FT. DRLD. DEPTH IN HRS. DEPTH OUT CONDITION

D. COLLARS OTHER FT. C.B. FT. SUBS. FT. FT. UP ON KELLY TOTAL

MUD	8 A.M.	10 A.M.	12 NOON	2 P.M.
WEIGHT				
VISCOSITY				
GEL				

ADDITIVES

AT SURVEYS DEGREE

MOTOR HOURS: 1 2 3 4 5

NEXT OIL CHANGE

PUMPS: NO. 1 PRESSURE MODEL S.P.M. LINER SIZE — NO. 2 PRESSURE MODEL S.P.M. LINER SIZE

SIZE TRIPS NO. LINES TON MILES TOTAL MILES SLIP FEET OR CUT FEET LEFT ON SPOOL NEXT SLIP

GENERAL

W.L. F.C. pH.

REMARKS	TIME START	TIME STOP	TIME INTERVAL
WORK ON CROWN	1200	2100	8

Tour - 4 p.m. - Midnight

Specify Actual Hours Worked	HRS.
DRILLER	
DERRICK	
MOTOR	
FLOOR CROWN HAND	8
FLOOR	
FLOOR	
FIREMAN	
EXTRA	
INJURIES:	
FIRES:	

FROM FOOTAGE TO HRS. ON BOTTOM WT. DRILL STRING (1000 LBS.) DRILL COLLARS NO. O.D. I.D. WGT. FUEL GALS. BOILER HRS. DRILL PIPE SIZE STANDS SINGLES

BITS: NO. SIZE TYPE SIZE JETS SERIAL NO. WEIGHT R.P.M. FT. DRLD. DEPTH IN HRS. DEPTH OUT CONDITION

D. COLLARS OTHER FT. C.B. FT. SUBS. FT. FT. UP ON KELLY TOTAL

MUD	4 P.M.	6 P.M.	8 P.M.	10 P.M.
WEIGHT				
VISCOSITY				
GEL				

ADDITIVES

AT SURVEYS DEGREE

MOTOR HOURS: 1 50 2 50 3 122 4 126 5

NEXT OIL CHANGE

PUMPS: NO. 1 PRESSURE MODEL S.P.M. LINER SIZE — NO. 2 PRESSURE MODEL S.P.M. LINER SIZE

SIZE TRIPS NO. LINES TON MILES TOTAL MILES SLIP FEET OR CUT FEET LEFT ON SPOOL NEXT SLIP

GENERAL

W.L. F.C. pH.

REMARKS	TIME START	TIME STOP	TIME INTERVAL
WORK ON CROWN	4	12	8

Totco Ring on Bit No. _____ D.P. Calipered Date _____ Results _____ From Pipe Rack _____

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

TOTAL CONTRACTOR TIME _____ HRS. TOOLPUSHER C H Lawless

TOTAL COMPANY TIME _____ HRS. APPROVED BY _____

CASCADE DRILLING Company Limited

DAILY DRILLING REPORT

CONSERVATION BOARD **DAY WORK RECORD**

THIS IS 21 DAY ON THIS WELL

NOTE-Please show FOOTAGE made while "Control Drilling" as well as HOURS.

RIG No. 1 COMPANY UNION OIL LOCATION UNION PAD A Mirage 2-72 DATE FEB 8 1969

Tour - Midnight - 8 a.m.

Specify Actual Hours Worked	HRS.
DRILLER N. JOHNSON	8
DERRICK L. BELIK	8
MOTOR G. MINION	8
FLOOR M. HOULE	8
FLOOR L. LALIBERTE	8
FLOOR	
FIREMAN	
EXTRA	

INJURIES:

FIRES:

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE
4813										5	

BITS

NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION

MUD	12 MN.	2 A.M.	4 A.M.	6 A.M.
WEIGHT				9.3
VISCOSITY				42.
GEL				

ADDITIVES: CIRCULATING.

AT SURVEYS DEGREE

MOTOR HOURS	
1	10
2	10
3	2nd
4	80
5	

NEXT OIL CHANGE

PUMPS

NO. 1	PRESSURE	800
MODEL 9/25	S.P.M.	30
	LINER SIZE	5½ x 15
NO. 2	PRESSURE	
MODEL 5-0	S.P.M.	TANKS.
	LINER SIZE	6½

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP

GENERAL

W.L. 10.6 F.C. 2/32 pH. 8-

STANDS / SINGLES / D. COLLARS / OTHER FT. / C.B. FT. / SUBS. FT. / FT. UP ON KELLY / TOTAL

REMARKS	TIME START	TIME STOP	TIME INTERVAL
LAY DOWN 9 SINGLES	12⁰⁰		
GET DERRICK READY TO			
LAY DOWN		8⁰⁰	8

Tour - 8 a.m. - 4 p.m.

Specify Actual Hours Worked	HRS.
DRILLER CARL MCINTOSH	12
DERRICK RON MARTIN	12
MOTOR FRED WEATHERBEE	8
FLOOR AL HANSEN	8
FLOOR CHUCK MCINNES	8
FLOOR	
FIREMAN	
EXTRA	

INJURIES:

FIRES:

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE

BITS

NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION

MUD	8 A.M.	10 A.M.	12 NOON	2 P.M.
WEIGHT	9.3			
VISCOSITY	44			
GEL				

ADDITIVES: 1000# Gel
100 # C.M.C.

AT SURVEYS DEGREE

MOTOR HOURS	
1	
2	
3	
4	
5	

NEXT OIL CHANGE

PUMPS

NO. 1	PRESSURE	
MODEL	S.P.M.	
	LINER SIZE	
NO. 2	PRESSURE	
MODEL	S.P.M.	
	LINER SIZE	

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP

GENERAL

W.L. F.C. pH.

STANDS / SINGLES / D. COLLARS / OTHER FT. / C.B. FT. / SUBS. FT. / FT. UP ON KELLY / TOTAL

REMARKS	TIME START	TIME STOP	TIME INTERVAL
LAY DOWN DERRICK	8⁰⁰	4⁰⁰	8
WORK ON CROWN			

Tour - 4 p.m. - Midnight

Specify Actual Hours Worked	HRS.
DRILLER W. LOUNSEN	4
DERRICK L. BELIK	4
MOTOR J. TESTAWICH	8
FLOOR G. HANAN	8
FLOOR P. HARTZ	8
FLOOR	
FIREMAN	
EXTRA	

INJURIES:

FIRES:

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE

BITS

NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION

MUD	4 P.M.	6 P.M.	8 P.M.	10 P.M.
WEIGHT	9.3			9.3
VISCOSITY	64			47
GEL				

ADDITIVES: CIRCULATING.

AT SURVEYS DEGREE

MOTOR HOURS	
1	76
2	76
3	
4	76
5	

NEXT OIL CHANGE

PUMPS

NO. 1	PRESSURE	
MODEL 9/25	S.P.M.	
	LINER SIZE	5½ x 15
NO. 2	PRESSURE	
MODEL 5-0	S.P.M.	TANKS
	LINER SIZE	6½

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP

GENERAL

W.L. 76 F.C. 4/32 pH. 8

STANDS / SINGLES / D. COLLARS / OTHER FT. / C.B. FT. / SUBS. FT. / FT. UP ON KELLY / TOTAL

REMARKS	TIME START	TIME STOP	TIME INTERVAL
WORK ON CROWN	4⁰⁰	12⁰⁰	8

FEB 1969

Totco Ring on Bit No. _____ D.P. Calipered Date _____ Results _____ From Pipe Rack _____

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

TOTAL CONTRACTOR TIME _____ HRS. TOOLPUSHER C. Frank

TOTAL COMPANY TIME _____ HRS. APPROVED BY

CASCADE DRILLING Company Limited

DAILY DRILLING REPORT

CONSERVATION BOARD **DAY WORK RECORD**

THIS IS 20 DAY ON THIS WELL

NOTE - Please show FOOTAGE made while "Control Drilling" as well as HOURS.

RIG No. 1 COMPANY UNION OIL LOCATION UNION-PAN AM TRAILER 0-12 DATE FEB 7 19 69

Tour - Midnight - 8 a.m.

Specify Actual Hours Worked	HRS.
DRILLER M. JOHNSON	12
DERRICK L. BELLE	12
MOTOR C. MILLION	12
FLOOR T. HOWLE	12
FLOOR C. LAIBERTE	12
FLOOR	
FIREMAN	
EXTRA	

INJURIES:

FIRES:

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE	STANDS / SINGLES
		4813								8		

BITS

NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION

D. COLLARS / OTHER FT. / C.B. FT. / SUBS. FT. / FT. UP ON KELLY / TOTAL

MUD	12 MN.	2 A.M.	4 A.M.	6 A.M.	ADDITIVES	AT SURVEYS DEGREE	MOTOR HOURS	NEXT OIL CHANGE
WEIGHT	9.5	9H	9.3	9.3	SUPER COL-1000 #		1	
VISCOSITY	39	38.	42	40	CMC-150 #		2	
GEL							3	

PUMPS														
NO. 1	PRESSURE	700	700	700	700								4	72
MODEL	S.P.M.	56	56	56	56	1" STM OF WATER.							5	
	LINER SIZE	5 1/2	X	15		SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP	FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP
NO. 2	PRESSURE													
MODEL	S.P.M.	TRIPS				GENERAL								
	LINER SIZE	6 1/2												

W.L. 9.3 F.C. 1/32 pH. 8

REMARKS	TIME START	STOP	INTERVAL
WAIT ON CROWN REPAIRS	1200	2000	8
WAIT ON CROWN REPAIRS	2000	2400	4
REPAIR CROWN	1200	1600	4

Tour - 8 a.m. - 4 p.m.

Specify Actual Hours Worked	HRS.
DRILLER GARTH McINTOSH	12
DERRICK RON BARTON	12
MOTOR KEN HILSABECK	11
FLOOR AL JOHNSON	11
FLOOR ARCHIE MANNERS	11
FLOOR	
FIREMAN	
EXTRA	

INJURIES:

FIRES:

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE	STANDS / SINGLES

BITS

NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION

D. COLLARS / OTHER FT. / C.B. FT. / SUBS. FT. / FT. UP ON KELLY / TOTAL

MUD	8 A.M.	10 A.M.	12 NOON	2 P.M.	ADDITIVES	AT SURVEYS DEGREE	MOTOR HOURS	NEXT OIL CHANGE
WEIGHT	9.2				WATER		1	
VISCOSITY	42				1000 # Gel.		2	
GEL							3	
							4	
							5	

PUMPS														
NO. 1	PRESSURE	CLOSED												
MODEL	S.P.M.													
	LINER SIZE					SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP	FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP
NO. 2	PRESSURE													
MODEL	S.P.M.	TRIPS				GENERAL								
	LINER SIZE													

W.L. 9.0 F.C. 2/32 pH. 8

REMARKS	TIME START	STOP	INTERVAL
Work on Crown. Pan Am repairs.			E
Ad should get a call to help down Sault.			

Tour - 4 p.m. - Midnight

Specify Actual Hours Worked	HRS.
DRILLER	
DERRICK	
MOTOR	
FLOOR Jack Tatarin	5
FLOOR George Hadey	5
FLOOR Arnold Hartz	5
FIREMAN	
EXTRA	

INJURIES:

FIRES:

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE	STANDS / SINGLES

BITS

NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION

D. COLLARS / OTHER FT. / C.B. FT. / SUBS. FT. / FT. UP ON KELLY / TOTAL

MUD	4 P.M.	6 P.M.	8 P.M.	10 P.M.	ADDITIVES	AT SURVEYS DEGREE	MOTOR HOURS	NEXT OIL CHANGE
WEIGHT							1	
VISCOSITY							2	
GEL							3	
							4	
							5	

PUMPS														
NO. 1	PRESSURE													
MODEL	S.P.M.													
	LINER SIZE					SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP	FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP
NO. 2	PRESSURE													
MODEL	S.P.M.					GENERAL								
	LINER SIZE													

W.L. F.C. pH.

Totco Ring on Bit No. _____ D.P. Calipered Date _____ Results _____ From Pipe Rack _____ TOTAL CONTRACTOR TIME _____ HRS. TOOLPUSHER H. Laroche

B.O.P. Test-Operated _____ Time _____ Results _____ TOTAL COMPANY TIME _____ HRS. APPROVED BY _____

CASCADE DRILLING Company Limited

DAILY DRILLING REPORT

CONSERVATION BOARD

DAY WORK RECORD

THIS IS 19 DAY ON THIS WELL

NOTE- Please show FOOTAGE made while "Control Drilling" as well as HOURS.

RIG No. 1 COMPANY UNION OIL LOCATION UNION FAN AM TRENDER 0-12 DATE FEB 6 19 69

Tour - Midnight - 8 a.m.

Specify Actual Hours Worked	HRS.
DRILLER N. LOWDEN	8
DERRICK L BELICK	8
MOTOR C M. NIEMI	8
FLOOR M HOWE	8
FLOOR C HALLIBURTON	8
FLOOR	
FIREMAN	
EXTRA	

INJURIES:

FIRES:

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE
4666	134	4800	7 3/4	125	18	6 1/2	2 1/2	40		5	5"

BITS	NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION
	5	8 3/4	X.C	12	A594	40	80	1052	3748	9 1/4		

MUD	12 MN.	2 A.M.	4 A.M.	6 A.M.	ADDITIVES
WEIGHT	9.3	9.4	9.4	9.4	SUPER COL-NIL
VISCOSITY	38	37	35	35	CMC-NIL
GEL					

PUMPS			12 MN.	2 A.M.	4 A.M.	6 A.M.
NO. 1	PRESSURE		1000	1100	1100	1000
MODEL C-150	S.P.M.		58	58	58	58
	LINER SIZE		5 1/2	x	15	
NO. 2	PRESSURE					
MODEL C-150	S.P.M.		TANKS			
	LINER SIZE		6 1/2			

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP	FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP

GENERAL 1" STM OF WATER.

W.L. 10.2 F.C. 9/32 pH. 8

AT SURVEYS DEGREE		MOTOR HOURS		NEXT OIL CHANGE
		1	16 4	
		2	164	
		3	156	
		4	64	
		5		

STANDS 96 | SINGLES 1 | D. COLLARS 512.32 | OTHER FT. | C.B. FT. | SUBS. FT. | FT. UP ON KELLY 13.51. | TOTAL 4800

REMARKS	TIME START	STOP	INTERVAL
DRILL	1200	115	1 1/4
RIG SERVICE BOPs	115	120	1/4
DRILL	120	800	6 1/2

Tour - 8 a.m. - 4 p.m.

Specify Actual Hours Worked	HRS.
DRILLER [illegible]	8
DERRICK [illegible]	8
MOTOR KEN MCCOMAS	12
FLOOR A. HOWELL	12
FLOOR ARCHIE MANNERS	12
FLOOR	
FIREMAN	
EXTRA	

INJURIES:

FIRES:

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE
4800					18	6 1/2	2 1/2	40		8	5-3 1/2"

BITS	NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION
	5	8 3/4	X1C	3-12	4594	40	80	1062	3741	25	4813	

MUD	8 A.M.	10 A.M.	12 NOON	2 P.M.	ADDITIVES
WEIGHT					
VISCOSITY					
GEL					

PUMPS			8 A.M.	10 A.M.	12 NOON	2 P.M.
NO. 1	PRESSURE		1000			
MODEL	S.P.M.		58			
	LINER SIZE		5 1/2	X 15		
NO. 2	PRESSURE					
MODEL	S.P.M.					
	LINER SIZE					

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP	FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP

GENERAL

W.L. F.C. pH.

AT SURVEYS DEGREE		MOTOR HOURS		NEXT OIL CHANGE
		1	Dwn	
		2	Dwn	
		3	164	
		4	72	
		5		

STANDS | SINGLES | D. COLLARS 512.32 | OTHER FT. | C.B. FT. | SUBS. FT. | FT. UP ON KELLY | TOTAL

REMARKS	TIME START	STOP	INTERVAL
DRILL	800	845	3/4
RIG SERVICE	845	900	1/4
SURVEY	900	915	1/2
BLOW KELLY HOSE PULL OUT	915		
CROWN			

Tour - 4 p.m. - Midnight

Specify Actual Hours Worked	HRS.
DRILLER ROBERT WERNER	8
DERRICK CORY HITCH	8
MOTOR [illegible]	
FLOOR [illegible]	
FLOOR [illegible]	
FLOOR	
FIREMAN	
EXTRA	

INJURIES:

FIRES:

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE

BITS	NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION

MUD	4 P.M.	6 P.M.	8 P.M.	10 P.M.	ADDITIVES
WEIGHT	9		16	16	SUPER COL - 1500#
VISCOSITY			34	37	CMC - 150#
GEL					

PUMPS			4 P.M.	6 P.M.	8 P.M.	10 P.M.
NO. 1	PRESSURE				700	700
MODEL C-150	S.P.M.				46	46
	LINER SIZE		5 1/2	X 15		
NO. 2	PRESSURE					
MODEL C-150	S.P.M.		TANKS			
	LINER SIZE		6 1/2			

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP	FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP

GENERAL 1" STM OF WATER

W.L. 106 F.C. 9/32 pH. 8

AT SURVEYS DEGREE		MOTOR HOURS		NEXT OIL CHANGE
		1		
		2	Dwn	
		3		
		4	150	
		5		

STANDS | SINGLES | D. COLLARS | OTHER FT. | C.B. FT. | SUBS. FT. | FT. UP ON KELLY | TOTAL

REMARKS	TIME START	STOP	INTERVAL
WAIT ON CROWN REPAIR.	400	1200	8

Totco Ring on Bit No. _____ D.P. Calipered Date _____ Results _____ From Pipe Rack _____

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

TOTAL CONTRACTOR TIME _____ HRS. TOOLPUSHER [illegible]

TOTAL COMPANY TIME _____ HRS. APPROVED BY [illegible]

CASCADE DRILLING Company Limited

DAILY DRILLING REPORT

CONSERVATION BOARD

DAY WORK RECORD

THIS IS 18 DAY ON THIS WELL

NOTE - Please show FOOTAGE made while "Control Drilling" as well as HOURS.

RIG No. 1 COMPANY Union Oil LOCATION Union-Kanaka 72 Trend DATE Feb 5 19 62

Tour - Midnight - 8 a.m.

Specify Actual Hours Worked	HRS.
DRILLER N. Larson	8
DERRICK L Bellek	8
MOTOR C Mason	8
FLOOR H House	8
FLOOR C Lallerate	8
FLOOR	
FIREMAN	
EXTRA	

INJURIES:

FIRES:

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE
4165	205	4370	7¾	115	18	6¼	2⅞	40		8	5

BITS	NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION
	5	8¾	X.C	12	45994	40	80	622	3748	22		

MUD	12 MN.	2 A.M.	4 A.M.	6 A.M.	ADDITIVES
WEIGHT	9.2	9.3	9.3	9.2	Super Col-1400#
VISCOSITY	33	36	36	38	CMC-100#
GEL					

PUMPS						
NO. 1	PRES. SURE	975	950	925	925	1" STM OF WATER.
MODEL 9/15	S.P.M.	58	58	58	58	
	LINER SIZE	5½	X	15		
NO. 2	PRES. SURE					
MODEL 9/150	S.P.M.	TANKS				
	LINER SIZE	6½				

AT SURVEYS DEGREE

MOTOR HOURS	NEXT OIL CHANGE
1 140	
2 140	
3 132	
4 56	
5	

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP

GENERAL Boiler Bad

W.L. 10.6 F.C. 7/32 pH. 8.

STANDS 41 | SINGLES 2 | D. COLLARS 512.32 | OTHER FT. | C.B. FT. | SUBS. FT. | FT. UP ON KELLY 17.95 | TOTAL 4370.00

REMARKS	TIME START	STOP	INTERVAL
DRILL	1200	130	1½
Rig Ser	130	145	¼
DRILL	145	800	6¼

Tour - 8 a.m. - 4 p.m.

Specify Actual Hours Worked	HRS.
DRILLER Garth McIntosh	8
DERRICK Ron Bratton	8
MOTOR Ken Hilsbeck	8
FLOOR AL Hanson	8
FLOOR	
FLOOR	
FIREMAN	
EXTRA	

INJURIES:

FIRES:

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE
4370	155	4525	7¾	120M	18	6½	2⅞	40		8	5-7½

BITS	NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION
	5	8¾	X.C	3-12	U59+	40	80	777	3748	59¾		DRLG

MUD	8 A.M.	10 A.M.	12 NOON	2 P.M.	ADDITIVES
WEIGHT	9.5	9.2	9.3	9.3	100# CMC
VISCOSITY	37	36	36	35	100 Gals. DIESEL
GEL					5gal ATLOSOL
					1000# Potato Mango
					150# Gell

PUMPS						
NO. 1	PRES. SURE	125	"	"	445	
MODEL 9/15	S.P.M.	58	"	"	—	
	LINER SIZE	5½	"	"	—	
NO. 2	PRES. SURE					
MODEL 9/15	S.P.M.	TANKS				
	LINER SIZE	6½				

AT SURVEYS DEGREE

MOTOR HOURS	NEXT OIL CHANGE
1 148	
2 148	116
3 140	
4 64	
5	

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP
1½		8					

GENERAL

W.L. 10.2 F.C. 4/32 pH.

STANDS 43 | SINGLES 1 | D. COLLARS 512.32 | OTHER FT. | C.B. FT. | SUBS. FT. | FT. UP ON KELLY 1400 | TOTAL 4525.43

REMARKS	TIME START	STOP	INTERVAL
DRILL	800	1000	2
Rig Service & BOPs.	1000	1015	¼
DRILL	1015	400	5¾

Tour - 4 p.m. - Midnight

Specify Actual Hours Worked	HRS.
DRILLER Robert Kremer	8
DERRICK Carey Heath	8
MOTOR [illegible]	8
FLOOR [illegible]	8
FLOOR [illegible]	8
FLOOR	
FIREMAN	
EXTRA	

INJURIES:

FIRES:

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE
4525	141	4666	7¼	123.	18	6½	2⅞	40		8	5-4½

BITS	NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION
	5	8¾	X.C.	3-12	U59+	40	80	913	3749	37		

MUD	4 P.M.	6 P.M.	8 P.M.	10 P.M.	ADDITIVES
WEIGHT	9.3	9.3	9.4	9.4	Super Col-1400#
VISCOSITY	33	36	38	34	CMC-100#
GEL					

PUMPS						
NO. 1	PRES. SURE	1000	1000	1000	1000	
MODEL 9/15	S.P.M.	59	58	58	58	1" STM OF WATER.
	LINER SIZE	5½	X	15		
NO. 2	PRES. SURE					
MODEL 9/15	S.P.M.					
	LINER SIZE	6½	ON	TANKS		

AT SURVEYS DEGREE 1° ½°

MOTOR HOURS	NEXT OIL CHANGE
1 156	
2 156	
3 138	
4 72	
5	

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP
1½		8					

GENERAL

W.L. [illegible] F.C. 4/32 pH.

STANDS 45 | SINGLES | D. COLLARS 512.32 | OTHER FT. | C.B. FT. | SUBS. FT. | FT. UP ON KELLY 25.00 | TOTAL 4666.99

REMARKS	TIME START	STOP	INTERVAL
DRILL	400	500	1
SURVEY	500	530	½
Rig Service	530	545	¼
DR...	545	1200	6¼

Totco Ring on Bit No. _____ D.P. Calipered Date _____ Results _____ From Pipe Rack _____

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

TOTAL CONTRACTOR TIME _____ HRS. TOOLPUSHER [illegible]

TOTAL COMPANY TIME _____ HRS. APPROVED BY [illegible]

CASCADE DRILLING Company Limited

DAILY DRILLING REPORT

CONSERVATION BOARD

DAY WORK RECORD

THIS IS 17 DAY ON THIS WELL

NOTE - Please show FOOTAGE made while "Control Drilling" as well as HOURS.

RIG No. 1 COMPANY UNION LOCATION UNION PANAM OIL TRAINER DATE FEB 4 19 69

Tour - Midnight - 8 a.m.

Specify Actual Hours Worked	HRS.
DRILLER R. BREWER	8
DERRICK GARY HATCH	8
MOTOR WAYNE OGILVIE	8
FLOOR JACK ALLEN	8
FLOOR DON ARSENAULT	8
FLOOR	
FIREMAN	
EXTRA	

INJURIES:

FIRES:

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE
3748					18	6½	2⅞	40		8	5

BITS NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION
5	8¾	X1G	3-12	42°411				3748			

MUD	12 MN.	2 A.M.	4 A.M.	6 A.M.
WEIGHT				
VISCOSITY				
GEL				

ADDITIVES

AT SURVEYS DEGREE

MOTOR HOURS		NEXT OIL CHANGE
1	116	
2	116	@ 114
3	100	
4	32	
5		

PUMPS		
NO. 1	PRESSURE	
	MODEL	C-225
	S.P.M.	
	LINER SIZE	5½
NO. 2	PRESSURE	
	MODEL	C-225
	S.P.M.	
	LINER SIZE	6½

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP	FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP
1¼		10						

GENERAL BOILER 8 HRS

W.L. F.C. pH:

STANDS
SINGLES
D. COLLARS 512.32
OTHER FT.
C.B. FT.
SUBS. FT.
FT. UP ON KELLY 31
TOTAL 3748

REMARKS	TIME START	STOP	INTERVAL
FINISH HOIST	12⁰⁰	1⁰⁰	1
MAKE UP BIT + CHECK BLIND RAMS	1⁰⁰	1³⁰	1½
RIG SERVICE	1³⁰	1⁴⁵	¼
C.I. PUMP MAINTANCE	1⁴⁵		
NEW HEAD RIGHT HAND SIDE		3¹⁵	1½
RUN IN HOLE	3¹⁵	4³⁰	1¼
THAW OUT KELLY HOSE	4⁴⁵	6⁰⁰	1¼
BREAK CIRC + REAMING.	6⁰⁰	8⁰⁰	2.

Tour - 8 a.m. - 4 p.m.

Specify Actual Hours Worked	HRS.
DRILLER N. LONNSON	8
DERRICK J. BELIK	8
MOTOR G. MINION	8
FLOOR M. HOULE	8
FLOOR E. LALIBERTE	8
FLOOR	
FIREMAN TRAVEL TIME	
EXTRA FOR CREW	

INJURIES: 8 HRS FROM FORT ST JOHN TO TRAINER LOAD

FIRES:

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE
3748	217	3965	7½	109	18	6½	2⅞	40		8	5

BITS NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION
5	8¾	X1G	12	459440		80	217	3748	7½		

MUD	8 A.M.	10 A.M.	12 NOON	2 P.M.
WEIGHT	9.1	9.2	9.2	9.2
VISCOSITY	38	34	34	38
GEL				

ADDITIVES: WATER - 1'570 DIESEL - 900 GAL. TRETOLITE MAGIC - 3000#

AT SURVEYS DEGREE

MOTOR HOURS		NEXT OIL CHANGE
1	121	
2	124	@ 118
3	116	
4	40	
5		

PUMPS					
NO. 1	PRESSURE	850	900	HW	850
	MODEL 9/25	S.P.M.	57	57	57
		LINER SIZE	5½	X15	
NO. 2	PRESSURE				
	MODEL 9/15	S.P.M.	TANKS		
		LINER SIZE	6½		

ATLOSOL - 1 DRUM. CMC - 1100# SUDER COL - 1100#

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP	FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP
1¼		8						

GENERAL BOILER 8 HRS. GREASE CROWN - 1 HOOKS

W.L. F.C. pH:

STANDS 37
SINGLES 1
D. COLLARS 512.32
OTHER FT.
C.B. FT.
SUBS. FT.
FT. UP ON KELLY 27.00
TOTAL 3965.58

REMARKS	TIME START	STOP	INTERVAL
DRILL	8⁰⁰	9⁴⁵	1¾
RIG SERVICE + BOPS.	9⁴⁵	10¹⁵	½
DRILL	10¹⁵	4⁰⁰	5¾

Tour - 4 p.m. - Midnight

Specify Actual Hours Worked	HRS.
DRILLER GRANT MACINTOSH	
DERRICK RON BARTON	
MOTOR KEN HILSABECK	
FLOOR AL. HANSON	
FLOOR	
FLOOR	
FIREMAN	
EXTRA	

INJURIES: SEND RON BARTON CHEQUE TO BOX 815 BARRHEAD ALTA.

FIRES:

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE
3965	200	4165	6¾	114M	18	6½	2⅞	40		8	5-4½

BITS NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION
5	8¾	X1G	3-12	459440	40	80	417	3748	14½		DRLG

MUD	4 P.M.	6 P.M.	8 P.M.	12 P.M.
WEIGHT	9.1	9.1	9.1	9.0
VISCOSITY	38	36	35	34
GEL				

ADDITIVES: WATER

AT SURVEYS DEGREE

MOTOR HOURS		NEXT OIL CHANGE
1	132	
2	132	
3	12-	
4	48	
5		

PUMPS					
NO. 1	PRESSURE	850			
	MODEL 9/25	S.P.M.	58	58	55
		LINER SIZE	5½		
NO. 2	PRESSURE				
	MODEL 9/15	S.P.M.	TANKS		
		LINER SIZE	6½		

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP	FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP
1¼		8						

GENERAL

W.L. F.C. pH:

STANDS 39
SINGLES 1
D. COLLARS 512.32
OTHER FT.
C.B. FT.
SUBS. FT.
FT. UP ON KELLY 16
TOTAL 3965

REMARKS	TIME START	STOP	INTERVAL
DRILL	4⁰⁰	5⁰⁰	1
RIG SERVICE	5⁰⁰	5¹⁵	¼
DRILL	5¹⁵	7⁴⁵	2½
SURVEY (MIS RUN)	7¹⁵	7⁴⁵	½
DRILL	7⁴⁵	10¹⁵	3
SURVEY	10¹⁵	11¹⁵	½
DRILL	11¹⁵	12⁰⁰	3¼

Toico Ring on Bit No. _____ D.P. Calipered Date _____ Results _____ From Pipe Rack _____

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

TOTAL CONTRACTOR TIME _____ HRS. TOOLPUSHER A. G. Tackett

TOTAL COMPANY TIME _____ HRS. APPROVED BY L. Matthews

CASCADE DRILLING Company Limited

DAILY DRILLING REPORT

CONSERVATION BOARD **DAY WORK RECORD**

THIS IS 16 DAY ON THIS WELL

NOTE - Please show FOOTAGE made while "Control Drilling" as well as HOURS.

RIG No. 1 COMPANY UNION LOCATION UNION PANAMA 22 TRANS DATE FEB 3 19 69

Tour - Midnight - 8 a.m.

Specify Actual Hours Worked	HRS.
DRILLER ROBERT BRENNER	8
DERRICK GARY HATCH	8
MOTOR WAYNE OGILVIE	8
FLOOR JACK ALLEN	8
FLOOR DON HASENAULT	8
FLOOR	
FIREMAN	
EXTRA	
INJURIES:	
FIRES:	

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE
3566	31	3597	2	108	18	6½	2⅞	40		8	5

BITS	NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION
	4	8¾	XIG	3-11	H597	40	80	31	3566	2		

MUD	12 MN.	2 A.M.	4 A.M.	6 A.M.
WEIGHT				9
VISCOSITY				32
GEL				

ADDITIVES: DIESEL PUMP ON HOLE

PUMPS		12 MN.	2 A.M.	4 A.M.	6 A.M.
NO. 1	PRESSURE	0			1300
MODEL C75	S.P.M.				60
	LINER SIZE	5½			
NO. 2	PRESSURE				
MODEL C75	S.P.M.				
	LINER SIZE	6 1/2			

W.L. F.C. pH.

AT SURVEYS DEGREE: 3566 1¼

MOTOR HOURS		NEXT OIL CHANGE
1	92	92
2	92	92
3	92	92
4	84	
5	16	

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP	FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP
1½		10			15 FT			

GENERAL: BOILER 8 HRS

STANDS 33 | SINGLES | D. COLLARS 512.32 | OTHER FT. | C.B. FT. | SUBS. FT. | FT. UP ON KELLY 10 | TOTAL 3597

REMARKS	TIME START	STOP	INTERVAL
FINISH HOIST	12⁰⁰	12³⁰	½
RIG SERVICE & CHECK BLIND RAMS	12³⁰	1⁰⁰	½
MAKE UP & RUN COLLARS	1⁰⁰	1³⁰	½
SLIP LINE	1³⁰	2⁰⁰	½
RUN IN HOLE TIGHT AT	2⁰⁰		
1 HOLE 13 STDS OFF BOTTOM		4¹⁵	2¼
BIT & GUN PLUG @ 3475 (2000)	4¹⁵	6⁰⁰	1¾
DRILL 8¾ HOLE	6⁰⁰	8⁰⁰	2

Tour - 8 a.m. - 4 p.m.

Specify Actual Hours Worked	HRS.
DRILLER A. JOHNSON	8
DERRICK L. BELICK	8
MOTOR E. MIGNON	8
FLOOR M. HOULE	8
FLOOR E. LALIBERTE	8
FLOOR	
FIREMAN	
EXTRA	
INJURIES:	
FIRES:	

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE
3597	83	3680	6½	108	18	6½	2⅛	40		8	5

BITS	NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION
	4	8¾	X.I.G.	11	4597	40	80	114	3566	6½		

MUD	8 A.M.	10 A.M.	12 NOON	2 P.M.
WEIGHT	94	94	94	92
VISCOSITY	30	32	27	30
GEL				

ADDITIVES: WATER - 1" STR. GEL - 2400 LBS. SUPER COL.

PUMPS		8 A.M.	10 A.M.	12 NOON	2 P.M.
NO. 1	PRESSURE	1425	1500	1550	1575
MODEL C-250	S.P.M.	57	57	57	57
	LINER SIZE	5½	X 15		
NO. 2	PRESSURE				
MODEL C-150	S.P.M.				
	LINER SIZE	6½			

W.L. F.C. pH.

AT SURVEYS DEGREE:

MOTOR HOURS		NEXT OIL CHANGE
1	100	
2	100	168
3	92	
4	24	
5		

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP	FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP
1½		10						

GENERAL: BOILER 8 HRS. CHANGE OIL IN DRAWWORKS.

GREASE CROWN BLOCK & TRAVELING BLOCK.

STANDS 33 | SINGLES | D. COLLARS 512.32 | OTHER FT. | C.B. FT. | SUBS. FT. | FT. UP ON KELLY | TOTAL

REMARKS	TIME START	STOP	INTERVAL
DRILL	8⁰⁰	1⁰⁰	5
R.U. SER & U.B.O.P.	1⁰⁰	1³⁰	½
DRILL	1³⁰	2⁰⁰	½
CLEAN MUD TANK PRIOR TO MUD UP.	2⁰⁰	3⁰⁰	1
DRILL	3⁰⁰	4⁰⁰	1

Tour - 4 p.m. - Midnight

Specify Actual Hours Worked	HRS.
DRILLER GARTH MCINTOSH	8
DERRICK ROY BARTON	8
MOTOR KEN HILSABECK	8
FLOOR A. HANSEN	8
FLOOR	
FLOOR	
FIREMAN	
EXTRA	
INJURIES:	
FIRES:	

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE
3680	68	3748	4¾	108	18	6½	2⅞	40		X	5-4½

BITS	NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION
	4	8¾	X 16	3-11	4597	40	80	182	3566	13¼	3748	

MUD	4 P.M.	6 P.M.	8 P.M.	10 P.M.
WEIGHT	92	91	91	
VISCOSITY				T
GEL				R

ADDITIVES: 3 BAGS ATLSOL; 1525 GAL DIESEL; 1525 DRISPAC-MAGIC; 1500#

PUMPS		4 P.M.	6 P.M.	8 P.M.	10 P.M.
NO. 1	PRESSURE	1500	1550	1600	
MODEL C-250	S.P.M.	56	52	42	
	LINER SIZE				
NO. 2	PRESSURE				
MODEL C-5	S.P.M.	OUT FOR	REPAIRS		
	LINER SIZE				

W.L. F.C. pH.

AT SURVEYS DEGREE:

MOTOR HOURS		NEXT OIL CHANGE
1	108	
2	108	168
3	100	
4	32	
5		

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP	FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP
1½		10						

GENERAL: BOILER 8 HRS

STANDS 35 | SINGLES | D. COLLARS 512.32 | OTHER FT. | C.B. FT. | SUBS. FT. | FT. UP ON KELLY 31.00 | TOTAL

REMARKS	TIME START	STOP	INTERVAL
DRILL 8¾ HOLE	4⁰⁰	8¹⁵	4¼
WORK TIGHT HOLE	8¹⁵	9¹⁵	1
DRILL 8¾ HOLE	9¹⁵	9⁴⁵	½
WORK TIGHT HOLE CIRC	9⁴⁵	10³⁰	¾
HOIST	10³⁰	12⁰⁰	1½

Totco Ring on Bit No. ____ D.P. Calipered Date ____ Results ____ From Pipe Rack ____ TOTAL CONTRACTOR TIME ____ HRS. TOOLPUSHER C. A. Tomblin

B.O.P. Test-Operated ____ Time ____ Results ____ TOTAL COMPANY TIME ____ HRS. APPROVED BY ____

CASCADE DRILLING Company Limited

DAILY DRILLING REPORT

CONSERVATION BOARD

DAY WORK RECORD

THIS IS 15 DAY ON THIS WELL

NOTE - Please show FOOTAGE made while "Control Drilling" as well as HOURS.

RIG No. 1 COMPANY UNION LOCATION UNION PANAM 072 TRAIN 6 DATE FEB 2. 1960

Tour - Midnight - 8 a.m.

Specify Actual Hours Worked	HRS.
DRILLER ROBERT BREMNER	8
DERRICK BARY HATCH	8
MOTOR WAYNE OLIVIE	8
FLOOR JACK ALLEN	8
FLOOR DON ARSENAULT	8
FLOOR	
FIREMAN	
EXTRA	

INJURIES:

FIRES:

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE	STANDS	SINGLES	D. COLLARS	OTHER FT.	C.B. FT.	SUBS. FT.	FT. UP ON KELLY	TOTAL
3347	42	3389	6¾	100	18	6½	2¾	40		4	4½ IF	31	1	512-32					

BITS NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION
3	8¾	X16	11	3553	40	80	139	2990	29½		

MUD	12 MN.	2 A.M.	4 A.M.	6 A.M.
WEIGHT	8.9	9.1	8.9	
VISCOSITY	32	35	32	
GEL				

ADDITIVES: 500 Gel

AT SURVEYS DEGREE: 3414 ½

MOTOR HOURS: 1 62; 2 4; 3 6; 4 44; 5 52

NEXT OIL CHANGE:

PUMPS						
NO. 1	PRESSURE	1000	"	"	"	
MODEL CD	S.P.M.	57	"	"	"	
	LINER SIZE	5½				
NO. 2	PRESSURE					
MODEL CW	S.P.M.	CW	GUNS			
	LINER SIZE	6½				

W.L. F.C. pH.

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP	FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP
1¼		10	1					

GENERAL: Rollers 8 HRS

B1 Pump on hole

REMARKS	TIME START	TIME STOP	TIME INTERVAL
DRILL 8¾ HOLE	12⁰⁰	12³⁰	½
RIG SERVICE	12³⁰	1⁰⁰	¼
DRILL 8¾ HOLE	1⁰⁰	5³⁰	4½
SURVEY	5³⁰	6⁰⁰	½
DRILL 8¾ HOLE	6⁰⁰	7³⁰	1½
REPAIR CAMERON VALVE ON MUD LINE	7³⁰	8⁰⁰	½

Tour - 8 a.m. - 4 p.m.

Specify Actual Hours Worked	HRS.
DRILLER H. JOHNSON	8
DERRICK L. BELICK	8
MOTOR C. FINLOD	8
FLOOR M. HOWE	8
FLOOR C. LALIBERTE	8
FLOOR	
FIREMAN	
EXTRA	

INJURIES: SEND KELLES HOUSLESS TO DOG FOR 1ST ST JOHN

FIRES:

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE	STANDS	SINGLES	D. COLLARS	OTHER FT.	C.B. FT.	SUBS. FT.	FT. UP ON KELLY	TOTAL
3429	83	3512	7¾	104	18	6½	2⅞	40		8	5	32	1	512.32				24.00	3512.28

BITS NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION
3	8¾	X16	11	3553	40	80	522	2990	35½		

MUD	8 A.M.	10 A.M.	12 NOON	2 P.M.
WEIGHT	9.2	9.3	9.2	9.0
VISCOSITY	29	35	33	35
GEL				

ADDITIVES: WATER. GEL-3350#

AT SURVEYS DEGREE:

MOTOR HOURS: 1 76; 2 76; 3 60; 4 0; 5

NEXT OIL CHANGE: 168.

PUMPS						
NO. 1	PRESSURE	1050	1125	1135	1135	
MODEL 9/15	S.P.M.	57	57	57	57	
	LINER SIZE	5½	X15			
NO. 2	PRESSURE					
MODEL 9/15	S.P.M.	TANKS				
	LINER SIZE	6½				

W.L. F.C. pH.

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP	FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP

GENERAL: Rollers & Bits. CHANGE OVER IN MIX PUMP.

CREWS FOUND HOLE & PREVENTER BLOWER

REMARKS	TIME START	TIME STOP	TIME INTERVAL
Drink	8⁰⁰	8⁰⁰	1
Rig Service & BOPs	9⁰⁰	9¹⁵	¼
Drill	9¹⁵	4⁰⁰	6¾

Tour - 4 p.m. - Midnight

Specify Actual Hours Worked	HRS.
DRILLER KEITH MCLEAN	8
DERRICK RAY MARTIN	8
MOTOR KEN HILSBECK	8
FLOOR LAURENCE BERGSTED	8
FLOOR D. HANSEN	8
FLOOR	
FIREMAN	
EXTRA	

INJURIES: SEND KEN HILSBECK CHIROPRACTOR TO DR 117

FIRES: MIRROR ALBERTA

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE	STANDS	SINGLES	D. COLLARS	OTHER FT.	C.B. FT.	SUBS. FT.	FT. UP ON KELLY	TOTAL
3512	54	3566	5¼		18	6½	2¼	40		6	5-4½ IF	32	2	512-32				0	3266.74

BITS NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION
3	9¾	X16	3-11	3553	40	80	576	2990	40½	3566	

MUD	4 P.M.	6 P.M.	8 P.M.	10 P.M.
WEIGHT	9.1	9.1	9.1	
VISCOSITY	37	35	34	
GEL				

ADDITIVES:

AT SURVEYS DEGREE: 3566 ½°

MOTOR HOURS: 1 82; 2 82; 3 82; 4 82; 5 82

NEXT OIL CHANGE:

PUMPS						
NO. 1	PRESSURE	1125	1150	"		
MODEL	S.P.M.	58	58	58		
	LINER SIZE	5½	X15			
NO. 2	PRESSURE					
MODEL	S.P.M.	TANKS				
	LINER SIZE					

W.L. F.C. pH.

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP	FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP
12		8						

GENERAL: Rollers & Bits

REMARKS	TIME START	TIME STOP	TIME INTERVAL
DRILL 9¾ HOLE	4⁰⁰	6⁰⁰	2
RIG SERVICE	6⁰⁰	6³⁰	½
DRILL 9¾ HOLE	6³⁰	9³⁰	3¾
CIR 20 MIN DROP SURVEY	9³⁰	10⁰⁰	½
HOIST FOR BIT	10⁰⁰	12⁰⁰	2

Totco Ring on Bit No. _____ D.P. Calipered Date _____ Results _____ From Pipe Rack _____

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

TOTAL CONTRACTOR TIME _____ HRS. TOOLPUSHER _____

TOTAL COMPANY TIME _____ HRS. APPROVED BY _____

CASCADE DRILLING Company Limited

DAILY DRILLING REPORT — CONSERVATION BOARD — DAY WORK RECORD

THIS IS 14 DAY ON THIS WELL

NOTE - Please show FOOTAGE made while "Control Drilling" as well as HOURS.

RIG No. 1 COMPANY UNION LOCATION UNION PANAMOUNT TRAINOR DATE FEB 1 1967

Tour - Midnight - 8 a.m.

Specify Actual Hours Worked	HRS.
DRILLER ROBERT BREMNER	8
DERRICK GARY HATCH	8
MOTOR WAYNE OBILUK	8
FLOOR JACK ALLEN	8
FLOOR DON ARSENAULT	8
FLOOR	
FIREMAN	
EXTRA	

INJURIES: ~~JACK ALLEN~~ SLIGHTLY INJURED FINGER WHILE MAKING CONN.

FIRES: ON GUNS.

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE
3020	122	3142	6 3/4	9.5	18	6 1/2	2 2/8	40		8	4 1/2

BITS NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION
3	8 3/4	X1G	3-11	3553	35-30	80	152	2990	73/4		

MUD	12 MN.	2 A.M.	4 A.M.	6 A.M.
WEIGHT	8.5	8.5	8.5	8.6
VISCOSITY				
GEL				

ADDITIVES

AT SURVEYS DEGREE	
3111	3/4

MOTOR HOURS	
1	44
2	44
3	44
4	44
5	28

NEXT OIL CHANGE

PUMPS		12 MN.	2 A.M.	4 A.M.	6 A.M.
NO. 1	PRESSURE	1050	—	—	—
MODEL CW	S.P.M.	58	—	—	—
	LINER SIZE	5 1/2			
NO. 2	PRESSURE				
MODEL CW	S.P.M.				
	LINER SIZE	6 1/2			

SIZE	TRIPS	NO. LINES	TON-MILES	TOTAL MILES	SLIP FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP
1 1/4		10					

GENERAL BOILER 6 HRS

W.L. F.C. pH.

STANDS	SINGLES	D. COLLARS	OTHER FT.	C.B. FT.	SUBS. FT.	FT. UP ON KELLY	TOTAL
28		512.32					

REMARKS	TIME START	TIME STOP	TIME INTERVAL
RIG SERVICE	12 00	12 15	1/4
DRILL 8 3/4 HOLE	12 15	12 45	1/2
~~BAIT~~ PUMP MAINTANCE	12 45	1 00	1/4
DRILL 8 3/4 HOLE	1 00	5 00	4 3/4
SURVEY	5 00	5 15	1/4
PUMP MAINTANCE #1	6 15	6 30	1/4
DRILL 8 3/4 HOLE	6 30	8 00	1 1/2

Tour - 8 a.m. - 4 p.m.

Specify Actual Hours Worked	HRS.
DRILLER N. LAWSON	8
DERRICK L. BELICK	8
MOTOR G. MINION	8
FLOOR M. HOULE	8
FLOOR C. LALIBERTE	8
FLOOR	
FIREMAN	
EXTRA	

INJURIES: SEND NEIL LAWSON CHEQUE TO BOX 1663 FORT ST JOHN

FIRES:

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE
3142	115	3257	16 1/2	92	18	6 1/2	2 1/8	40			5"

BITS NO.	SIZE	TYPE	SIZE JET	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION
3	8 3/4	X1G	3-11	3553	40	80	267	2990	19 1/4		

MUD	8 A.M.	10 A.M.	12 NOON	2 P.M.
WEIGHT	8.6	8.6	8.5	8.5
VISCOSITY				
GEL				

ADDITIVES: WATER. GEL - 1400 #

AT SURVEYS DEGREE	

MOTOR HOURS	
1	11
2	50
3	36
4	
5	

NEXT OIL CHANGE

PUMPS		8 A.M.	10 A.M.	12 NOON	2 P.M.
NO. 1	PRESSURE	1050	1050	1050	1050
MODEL 9 1/2	S.P.M.	57	57	57	57
	LINER SIZE	5 1/2 x 15			
NO. 2	PRESSURE				
MODEL 9 1/2	S.P.M.	TANKS			
	LINER SIZE	6 1/2			

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP

GENERAL BOILER HRS.

W.L. F.C. pH.

STANDS	SINGLES	D. COLLARS	OTHER FT.	C.B. FT.	SUBS. FT.	FT. UP ON KELLY	TOTAL
29	1	512.32				8.00	3257.90

REMARKS	TIME START	TIME STOP	TIME INTERVAL
DRILL	8 00	9 00	1
WORK ON OILER IN P'WORKS	9 00	9 15	3/4
DRILL	9 15	10 15	1
RIG SER + BOPs	10 15	10 30	1/4
DRILL	10 30	1 00	2 1/2
PUMP SUCTION TANK	1 00		
TO REPAIR GATE		1 30	1/2
DRILL	1 30	4 00	2 1/2

Tour - 4 p.m. - Midnight

Specify Actual Hours Worked	HRS.
DRILLER GARTH MCINTOSH	8
DERRICK ROY BARTON	8
MOTOR KEN HILSBECK	8
FLOOR MERLE BRADLEY	8
FLOOR AL HANSEN	8
FLOOR	
FIREMAN	
EXTRA	

INJURIES: SEND GARTH MCINTOSH CHEQUE TO 3 MILE DELIVERY MINNOW LAKE

FIRES:

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE
3257	90	3347	6 1/2	92	18	6 1/2	2 7/8	40		8	5-4 1/2"

BITS NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION
3	8 3/4	X1G	3-11	3553	40	80	357		20 1/2		

MUD	4 P.M.	6 P.M.	8 P.M.	10 P.M.
WEIGHT	8.7	8.7	8.8	8.7
VISCOSITY		31	31	34
GEL				

ADDITIVES: GEL 300#

AT SURVEYS DEGREE	

MOTOR HOURS	
1	60
2	60
3	60
4	60
5	44

NEXT OIL CHANGE

PUMPS		4 P.M.	6 P.M.	8 P.M.	10 P.M.
NO. 1	PRESSURE	1050	1050	V	
MODEL	S.P.M.	57	57		
	LINER SIZE				
NO. 2	PRESSURE				
MODEL	S.P.M.	ON GUNS			
	LINER SIZE				

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP
1 1/2		7					

GENERAL [illegible] HRS

W.L. F.C. pH.

STANDS	SINGLES	D. COLLARS	OTHER FT.	C.B. FT.	SUBS. FT.	FT. UP ON KELLY	TOTAL
30	1	512.32					

REMARKS	TIME START	TIME STOP	TIME INTERVAL
DRILL 8 3/4 HOLE	4 00	4 30	1/2
RIG SERVICE WORK AIR COMP	4 30	5 15	3/4
DRILL 8 3/4 HOLE	5 15	6 30	1 1/4
WORK AIR COMP	6 30	7 00	1/2
DRILL 8 3/4 HOLE	7 00	8 30	1 1/2
CHECK MOTOR SHUT OFFS	8 30	8 45	1/4
DRILL 8 3/4 HOLE	8 45		

Totco Ring on Bit No. _____ D.P. Calipered Date _____ Results _____ From Pipe Rack _____

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

TOTAL CONTRACTOR TIME _____ HRS. TOOLPUSHER [illegible]

TOTAL COMPANY TIME _____ HRS. APPROVED BY [illegible]

CASCADE DRILLING Company Limited

DAILY DRILLING REPORT

CONSERVATION BOARD

DAY WORK RECORD

THIS IS 13 DAY ON THIS WELL

NOTE-Please show FOOTAGE made while "Control Drilling" as well as HOURS.

RIG No. 1 COMPANY UNION LOCATION UNION PANAMA 072 TRAINOR DATE JAN 31 19 69

Tour - Midnight - 8 a.m.

Specify Actual Hours Worked	HRS.
DRILLER ROBERT BRENNER	8
DERRICK GARY HATCH	8
MOTOR WAYNE OGILVIE	8
FLOOR JACK ALLEN	8
FLOOR DON RISENHAUT	8
FLOOR	
FIREMAN	
EXTRA	
INJURIES:	
FIRES:	

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE
2690	180	2870	7½	108	14	6½	2 7/8	40		8	4½ I

BITS NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION
3	8¾	X1G	3-13	3718	35	80	459	2013	32¾		

MUD	12 MN.	2 A.M.	4 A.M.	6 A.M.	ADDITIVES
WEIGHT	9.5	9.6	9.5	9.6	7 AM.
VISCOSITY	WATER				2.5
GEL					

PUMPS	NO. 1	NO. 2
PRESSURE	775	
MODEL	C-75	
S.P.M.	58	ON GUNS
LINER SIZE	5½	6¾

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP
1¾		10					

GENERAL Boiler 8 HRS

W.L. F.C. pH.

AT SURVEYS	DEGREE
2772	¾

MOTOR HOURS	NEXT OIL CHANGE
1 20	
2 20	
3 20	
4 20	
5 12.12	

STANDS 23 | SINGLES 1 | D. COLLARS 5 D 32 | OTHER FT. | C.B. FT. | SUBS. FT. | FT. UP ON KELLY 2083 | TOTAL 2870

REMARKS	TIME START	STOP	INTERVAL
DRILL 8¾ HOLE	12⁰⁰	12⁰⁰	24
RIG SERVICE	12⁰⁰	1⁰⁰	¼
DRILL 8¾ HOLE	1⁰⁰	4⁰⁰	3
SURVEY	4⁰⁰	4¼	¼
DRILL 8¾ HOLE	4¼	8⁴⁵	3¾

Tour - 8 a.m. - 4 p.m.

Specify Actual Hours Worked	HRS.
DRILLER H. JOHNSON	8
DERRICK L. BERLIN	8
MOTOR G. MINION	8
FLOOR M. HOULE	8
FLOOR C. LALIBERTE	8
FLOOR	
FIREMAN	
EXTRA	
INJURIES:	
FIRES:	

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE
2870	120	1990	4	110	18	6½	2 7/8	40			5

BITS NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION
2	8¾	X16	3-13	3718	30	80	977	2013	36¾	2990	1-2-I

MUD	8 A.M.	10 A.M.	12 NOON	2 P.M.	ADDITIVES
WEIGHT					
VISCOSITY					
GEL					

PUMPS	NO. 1	NO. 2
PRESSURE		
MODEL		
S.P.M.		
LINER SIZE		

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP

GENERAL

W.L. F.C. pH.

AT SURVEYS	DEGREE

MOTOR HOURS	NEXT OIL CHANGE
1 28	
2 28	
3 28	
4 28	
5	

STANDS 26 | SINGLES 2 | D. COLLARS 5 1232 | OTHER FT. | C.B. FT. | SUBS. FT. | FT. UP ON KELLY 2045 | TOTAL 2990

REMARKS	TIME START	STOP	INTERVAL
DRILL	8⁰⁰	9⁰⁰	1
RIG SER + V BOPS	9⁰⁰	9¹⁵	¼
DRILL.	9¹⁵	1¹⁵	4
CIRC	1¹⁵	1³⁰	¼
HOIST HOLE TIGHT	1³⁰	4⁰⁰	2½

Tour - 4 p.m. - Midnight

Specify Actual Hours Worked	HRS.
DRILLER C. ALEXANDER	8
DERRICK RON BARTON	8
MOTOR KEN MASARELLI	8
FLOOR LAURENT BERUBE	8
FLOOR AL HANSEN	8
FLOOR	
FIREMAN	
EXTRA	
INJURIES:	
FIRES:	

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE
2990	30	3020	1	95	18	6½	2 7/8	40		5	5-4½ I

BITS NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION
3	8¾	X1G	3-11	3553	35-45	80	30	2990	1		DRLG

MUD	4 P.M.	6 P.M.	8 P.M.	10 P.M.	ADDITIVES
WEIGHT				8.4	
VISCOSITY		WATER			
GEL					

PUMPS	NO. 1	NO. 2
PRESSURE		
MODEL		
S.P.M.		O. GUNS
LINER SIZE		

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP
1¾		3			15 FT		

GENERAL CLEANED ALL MUD TANKS

W.L. F.C. pH.

AT SURVEYS	DEGREE

MOTOR HOURS	NEXT OIL CHANGE
1 36	
2 36	
3 36	
4 36	
5 32-3V	

STANDS 26 | SINGLES 2 | D. COLLARS 5 1232 | OTHER FT. | C.B. FT. | SUBS. FT. | FT. UP ON KELLY — | TOTAL

REMARKS	TIME START	STOP	INTERVAL
RIG SERVICE	4⁰⁰	4¹⁵	¼
CHANGE BIT RUN IN DC	4¹⁵	4⁴⁵	½
SLIP LINE 15 FT	4⁴⁵	5⁰⁰	¼
CLEAN MUD TANKS	5⁰⁰	6³⁰	1½
RUN IN DISPLACE HOLE	6³⁰	8⁰⁰	1½
CLEAN AND REAM 540 FT	8⁰⁰	11⁰⁰	3
TRIP			
DRILL 8¾ HOLE	11⁰⁰	12⁰⁰	1

Totco Ring on Bit No. _____ D.P. Calipered Date _____ Results _____ From Pipe Rack _____

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

TOTAL CONTRACTOR TIME _____ HRS. TOOLPUSHER C. Alexander

TOTAL COMPANY TIME _____ HRS. APPROVED BY A. Hill

CASCADE DRILLING Company Limited

DAILY DRILLING REPORT

CONSERVATION BOARD **DAY WORK RECORD**

THIS IS 12 DAY ON THIS WELL

NOTE - Please show FOOTAGE made while "Control Drilling" as well as HOURS.

RIG No. 1 COMPANY ALLEN LOCATION UNION PAN AM 077 TRAINER DATE JAN 30 19 69

Tour - Midnight - 8 a.m.

Specify Actual Hours Worked	HRS.
DRILLER ROBERT BREMNER	8
DERRICK GARY HATCH	8
MOTOR WAYNE OSKUIE	8
FLOOR JACK ALLEN	8
FLOOR DON BRSENAULT	8
FLOOR	
FIREMAN	
EXTRA	

INJURIES:

FIRES:

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE
7140	360	2500	7½	96	18	6½	2¼	40		8	4½ 16#

BITS NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION
2	8¾	X16	3-13	3718	35	120	487	2013	10		

MUD	12 MN.	2 A.M.	4 A.M.	6 A.M.
WEIGHT	8.5	8.6	8.5	8.6
VISCOSITY				
GEL				

ADDITIVES

AT SURVEYS DEGREE 2494 ¾

MOTOR HOURS 1 2 3 4 5

NEXT OIL CHANGE

PUMPS		12 MN.	2 A.M.	4 A.M.	6 A.M.
NO. 1	PRESSURE	775	775	775	775
MODEL C25	S.P.M.	58	58		58
	LINER SIZE	5½			
NO. 2	PRESSURE				
MODEL C32	S.P.M.	ONE	UNG		
	LINER SIZE	6½			

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP	FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP
1¼		8						

GENERAL BOILER 8 HRS

W.L. F.C. pH.

STANDS 21 | SINGLES 1 | D. COLLARS 512 32 | OTHER FT. | C.B. FT. | SUBS. FT. | FT. UP ON KELLY 25' | TOTAL 2500

REMARKS	TIME START	STOP	INTERVAL
RIG SERVICE	12⁰⁰	12³⁰	½
DRILL 8¾ HOLE	~~12³⁰~~	7¹⁵	7
SURVEY	7¹⁵	7³⁰	¼
DRILL 8¾ HOLE	7³⁰	8⁰⁰	½

Tour - 8 a.m. - 4 p.m.

Specify Actual Hours Worked	HRS.
DRILLER N. LAWSON	8
DERRICK L. BELICK	8
MOTOR G. MILLION	8
FLOOR M. HOULE	8
FLOOR C. LALIBERTE	8
FLOOR	
FIREMAN	
EXTRA	

INJURIES:

FIRES:

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE
2500	87	2587	7½	105	18	6½	2⅞	40			5"

BITS NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION
2	8¾	X16	3-13	3718	35	35	574	2013	17½		

MUD	8 A.M.	10 A.M.	12 NOON	2 P.M.
WEIGHT	8.7	8.8	8.7	8.7
VISCOSITY				
GEL				

ADDITIVES WATER.

AT SURVEYS DEGREE

MOTOR HOURS 1 4 2 4 3 4 4 4 5

NEXT OIL CHANGE

PUMPS		8 A.M.	10 A.M.	12 NOON	2 P.M.
NO. 1	PRESSURE	775			
MODEL 7-20	S.P.M.	57			
	LINER SIZE	5½ x 15			
NO. 2	PRESSURE				
MODEL 21/150	S.P.M.	ONE			
	LINER SIZE	6½			

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP	FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP

GENERAL BOILER 8 HRS.

Change oil in #1 #2 #3 Gms.

W.L. F.C. pH.

STANDS 22 | SINGLES 1 | D. COLLARS 512.32 | OTHER FT. | C.B. FT. | SUBS. FT. | FT. UP ON KELLY 30.56 | TOTAL 2587.00

REMARKS	TIME START	STOP	INTERVAL
RIG JER + V BOPs	800	815	¼
DRILL	815	345	7½
REPLACE STEM PACKING IN 4" CAM.	345	400	¼

Tour - 4 p.m. - Midnight

Specify Actual Hours Worked	HRS.
DRILLER GORTH MCINTOSH	8
DERRICK RON BARTON	8
MOTOR KEN HILSABECK	8
FLOOR LAWRENCE BEAULIEU	8
FLOOR L. HANSEN	8
FLOOR	
FIREMAN	
EXTRA	

INJURIES:

FIRES:

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE
2587	103	2690	7¾	107M	18	6½	2⅞	40		8	5-4½ 16#

BITS NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION
2	8¾	X16	3-13	3718	35	80	611	3013	25¾		DRLG

MUD	4 P.M.	6 P.M.	8 P.M.	10 P.M.
WEIGHT	8.6	8.6	8.6	8.6
VISCOSITY	MOTOR			
GEL				

ADDITIVES

AT SURVEYS DEGREE

MOTOR HOURS 1 12 2 12 3 12 4 12 5 4½

NEXT OIL CHANGE

PUMPS		4 P.M.	6 P.M.	8 P.M.	10 P.M.
NO. 1	PRESSURE	775	795	775	775
MODEL	S.P.M.	58	58	58	58
	LINER SIZE	5½	"	"	"
NO. 2	PRESSURE				
MODEL	S.P.M.	ON	FANS		
	LINER SIZE				

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP	FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP

GENERAL CHANGED OIL PUMP MOTORS
BOILER 8 HRS

W.L. F.C. pH.

STANDS 23 | SINGLES 1 | D. COLLARS 512 23 | OTHER FT. | C.B. FT. | SUBS. FT. | FT. UP ON KELLY 20.0 | TOTAL 2690 58

REMARKS	TIME START	STOP	INTERVAL
RIG SERVICE	400	415	¼
DRLG 8¾ HOLE	415	1200	7¾

Totco Ring on Bit No. 6 D.P. Calipered Date ____ Results ____ From Pipe Rack ____ TOTAL CONTRACTOR TIME ____ HRS. TOOLPUSHER ____

B.O.P. Test-Operated ____ Time ____ Results ____ TOTAL COMPANY TIME ____ HRS. APPROVED BY ____

CASCADE DRILLING Company Limited

DAILY DRILLING REPORT

CONSERVATION BOARD

DAY WORK RECORD

THIS IS 14 DAY ON THIS WELL

NOTE - Please show FOOTAGE made while "Control Drilling" as well as HOURS.

RIG No. 1 COMPANY UNION LOCATION UNION PANAMA 072 TRENWOR DATE JAN 14 1969

Tour - Midnight - 8 a.m.

Specify Actual Hours Worked	HRS.
DRILLER ROBERT BRENNAN	8
DERRICK GERRY WATCH	8
MOTOR WAYNE ORCHARD	8
FLOOR JACK ALLEN	8
FLOOR DON ARSENAULT	8
FLOOR	
FIREMAN	
EXTRA	

INJURIES:

FIRES:

Tour - 8 a.m. - 4 p.m.

Specify Actual Hours Worked	HRS.
DRILLER NEIL JOHNSON	8
DERRICK LAWRENCE BELIK	8
MOTOR GEO. MINION	8
FLOOR MILES HOULE	8
FLOOR CLARLIE LAURENTE	8
FLOOR	
FIREMAN	
EXTRA	

INJURIES:

FIRES:

Tour - 4 p.m. - Midnight

Specify Actual Hours Worked	HRS.
DRILLER C MCINTOSH	8
DERRICK RON BARTON	8
MOTOR KEN WILSONBECK	8
FLOOR LAURENCE BELIK	8
FLOOR AL HANSEN	8
FLOOR	
FIREMAN	
EXTRA	

INJURIES:

FIRES:

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE
1332	340	1672	6½	90	18	6½	2¼	40		9	4½ IF

BITS NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION
5	8¾	X1G	14-14-14	3777	25	120	304	767	43¾		

MUD	12 MN.	2 A.M.	4 A.M.	6 A.M.	ADDITIVES
WEIGHT	85	85	85	84	H2O
VISCOSITY	41	45	45	43	
GEL	2-6	2-6	2-6	3-4	

PUMPS	NO. 1	NO. 2
PRESSURE	900	900
MODEL	C75	C75
S.P.M.	58	
LINER SIZE	5½	

DRLG HOLE

SURVEYS DEGREE		MOTOR HOURS	NEXT OIL CHANGE
1502	¾	1	
		2	
		3	
		4	
		5	

FT. UP ON KELLY 19

TOTAL 1672.

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP	FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP
1½		9						

GENERAL BOILER 5 HRS

W.L. F.C. pH.

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE
1672	341	2013	4¾	88	18	6½	2¼	40			5"

BITS NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION
5	8¾	X1G	2-13	3777	25	120	1246	767	19½	2013	

MUD	8 A.M.	10 A.M.	12 NOON	2 P.M.	ADDITIVES
WEIGHT	85	85	86	84	H2O
VISCOSITY	45	45	45	43	
GEL	2-6	2-6	2-6	3-4	

PUMPS	NO. 1	NO. 2
PRESSURE	600	600
MODEL	C75	C75
S.P.M.	57	57
LINER SIZE	5½	5½

TANKS

SURVEYS DEGREE		MOTOR HOURS	NEXT OIL CHANGE
2000	7/8	1 Pump	
		2 Pump	
		3 Pump	
		4 Pump	
		5	

FT. UP ON KELLY 19.00

TOTAL 2013.19

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP	FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP

GENERAL

W.L. F.C. pH.

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE
2013	127	2140	2½	90M	18	6½	2⅞	40		8	5"

BITS NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION
6	8¾	X1G	2-13	3712	40	120	127	2013	2½		DRLG

MUD	4 P.M.	6 P.M.	8 P.M.	10 P.M.	ADDITIVES
WEIGHT			85	85	WATER
VISCOSITY	WATER				
GEL					

PUMPS	NO. 1	NO. 2
PRESSURE		270 ✓
MODEL	C75	
S.P.M.		58 60
LINER SIZE		5½ ✓

TANKS

SURVEYS DEGREE		MOTOR HOURS	NEXT OIL CHANGE
		1 Pump	
		2 Pump	
		3 Pump	
		4 Pump	
		5	

FT. UP ON KELLY 13

TOTAL 2140.19

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP	FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP

GENERAL

W.L. F.C. pH.

REMARKS	TIME START	TIME STOP	TIME INTERVAL
REPAIR CAMERON VALVE ON MUD PUMP	12	12 30	½
RIG SERVICE	12 30	12 45	¼
DRLG 8¾ HOLE	12 45	4 00	3¼
SURVEY	4 00	4 15	¼
	4 15		
REPAIR MUD GATES	4 15	4 30	¼
DRILL 8¾ HOLE	4 30	5 45	1¼
REPLACE RUBBER IN CAMERON	5 45	6 00	¼
WIRE SPOOLING LINE	6		
DRLG 8¾ HOLE	6 00	8 00	2
RIG SER	8 00	8 15	¼
CHECK BOPS	8 15	8 30	¼
DRILL	8 30	11 45	3¼
CLEAN SUCTION TANK	11 45	12 00	¼
DRILL	12 00	1 00	1
SURVEY	1 00	1 30	½
DRILL	1 30	2 00	½
WORK ON PUMP SUCTIONS	2 00	2 45	1
CIRC	2 45	3 00	¼
HOIST	3 00	4 00	1
FINISH OUT	4 00	5 00	1
RIG SERVICE	5 00	5 15	¼
CLEAN TANKS CHECK	5 15	7 15	2
SUCTION C250			
MAKE UP BIT RUN IN	7 15	8 15	1
DISPLACE CLEAN MUD - BOTTOM	8 15	9 30	1¼
DRILL	9 30	12 00	2½

Totco Ring on Bit No. _____ D.P. Calipered Date _____ Results _____ From Pipe Rack _____

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

TOTAL CONTRACTOR TIME _____ HRS. TOOLPUSHER H & P Rigs

TOTAL COMPANY TIME _____ HRS. APPROVED BY _____

CASCADE DRILLING Company Limited

DAILY DRILLING REPORT

CONSERVATION BOARD **DAY WORK RECORD**

THIS IS #10 DAY ON THIS WELL

NOTE - Please show FOOTAGE made while "Control Drilling" as well as HOURS.

RIG No. 1 COMPANY UNION LOCATION SUNDRE FARM C-72 TRAINOR DATE JAN 30 1969

Tour - Midnight - 8 a.m.

Specify Actual Hours Worked	HRS.
DRILLER ROBERT BRENNER	8
DERRICK GARY HATCH	8
MOTOR WAYNE OBLUDIE	8
FLOOR JACK ALLEN	8
FLOOR DON ARSENAULT	8
FLOOR	
FIREMAN	
EXTRA	

INJURIES:

FIRES:

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE
					18	6½	2¾	40		8	4½ F

BITS	NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION
	5	8¾	X16	3-11-13	3777							

MUD	12 MN.	2 A.M.	4 A.M.	6 A.M.
WEIGHT				
VISCOSITY				
GEL				

ADDITIVES

AT SURVEYS DEGREE

MOTOR HOURS 1 2 3 4 5

NEXT OIL CHANGE

PUMPS			
NO. 1	PRESSURE		
MODEL C-30	S.P.M.		
	LINER SIZE		
NO. 2	PRESSURE		
MODEL C-30	S.P.M.		
	LINER SIZE		

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP	FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP
1½		8						

GENERAL BOILER 8 HRS

W.L. F.C. pH.

STANDS 3
SINGLES 1-208.69
D. COLLARS 512.32
OTHER FT.
C.B. FT.
SUBS. FT. 3.26
FT. UP ON KELLY
TOTAL

REMARKS	TIME START	STOP	INTERVAL
WORK ON HYDRIL LINES	12⁰⁰	12³⁰	½
RUN IN HOLE	12³⁰	2³⁰	2
THAW OUT KELLY + HOSE IN RAT HOLE	2³⁰	3³⁰	1
PRESSURE UP KELLY	3⁰⁰		
COCK		4⁰⁰	1¼
PRESSURE UP HYDRIL	4⁰⁰	4¹⁵	3¼

Tour - 8 a.m. - 4 p.m.

Specify Actual Hours Worked	HRS.
DRILLER KEN JANSEN	8
DERRICK L. BELIK	8
MOTOR S. MINION	8
FLOOR M. HOULE	8
FLOOR C. LALIBERTE	8
FLOOR	
FIREMAN	
EXTRA	

INJURIES:

FIRES:

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE
767	63	830	1	68	18	6½	2⅛	40			4½ F

BITS	NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION
	5	8¾	X16	2-11-13	3777	20	120	63	767	1½		

MUD	8 A.M.	10 A.M.	12 NOON	2 P.M.
WEIGHT	8.4	8.4	8.4	8.4
VISCOSITY				
GEL				

ADDITIVES WATER. SIKAGRA - 200

AT SURVEYS DEGREE

MOTOR HOURS 1 2 3 4 5

NEXT OIL CHANGE

PUMPS					
NO. 1	PRESSURE	500	500		
MODEL C-30	S.P.M.	58	58		
	LINER SIZE	5½	X 15		
NO. 2	PRESSURE		45	600	600
MODEL C-30	S.P.M.	T.P.		57	57
	LINER SIZE	6½			

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP	FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP

GENERAL

W.L. F.C. pH.

STANDS 3
SINGLES 1-308.67
D. COLLARS 512.32
OTHER FT.
C.B. FT.
SUBS. FT.
FT. UP ON KELLY 30.39
TOTAL $30.00

REMARKS	TIME START	STOP	INTERVAL
Pressure tested Hydril to 1500# Held OK.			
Pressure tested Kelly to 500# Held OK			
Pressure tested hydril to 1500# Held OK			
Pressure tested pipe rams to 1500# Held OK. Lock in standpipe valve and			
Motor shut-off in tank-no. 1.			
Cement clay from 1' to 767' K.B.			
Testing			
Rig Ser.	8⁰⁰	8¹⁵	¼
Drill out Cement + Shoe w/10,000.	8¹⁵	2³⁰	6¼
Drill	2³⁰	3⁰⁰	½
Repair Leaking Standpipe	3⁰⁰	3³⁰	½
Drill	3³⁰	4⁰⁰	½

Tour - 4 p.m. - Midnight

Specify Actual Hours Worked	HRS.
DRILLER GARTH McINTOSH	8
DERRICK RON BARTON	8
MOTOR KEN HALSAECK	8
FLOOR FIRENCE BEAULIEU	8
FLOOR AL HANSEN	8
FLOOR	
FIREMAN	
EXTRA	

INJURIES:

FIRES:

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE
830	502	1332	7½	76M	18	6½	2⅞	40		8	5 - 4½ F

BITS	NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION
	5	8¾	X16	3-11-13	3777	23	120	595	767	8½		DRLG

MUD	4 P.M.	6 P.M.	8 P.M.	10 P.M.
WEIGHT	8.3	8+	8.5	8.5
VISCOSITY	WATER			
GEL				

ADDITIVES

AT SURVEYS DEGREE 1010 ½

MOTOR HOURS 1 2 3 4 5

NEXT OIL CHANGE

PUMPS					
NO. 1	PRESSURE			1000	950
MODEL C-30	S.P.M.			58	58
	LINER SIZE			5½	5½
NO. 2	PRESSURE	900	900		
MODEL C-30	S.P.M.	51	58		
	LINER SIZE	6½	6½		

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP	FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP

GENERAL

W.L. F.C. pH.

STANDS 8
SINGLES 2
D. COLLARS 5-12 32
OTHER FT.
C.B. FT.
SUBS. FT.
FT. UP ON KELLY 1400
TOTAL 1332

REMARKS	TIME START	STOP	INTERVAL
DRILL C150	400	645	2¾
RIG SERVICE SURVEY	645	715	½
DRILL 83 HOLE C250±	715	1145	4½
REPAIR CAMERON VALVE MUD LINES	1145	800	¼

Totco Ring on Bit No. ____ D.P. Calipered Date ____ Results ____ From Pipe Rack ____

B.O.P. Test-Operated ____ Time ____ Results ____

TOTAL CONTRACTOR TIME ____ HRS. TOOLPUSHER R. G. Tuttle

TOTAL COMPANY TIME ____ HRS. APPROVED BY [illegible]

CASCADE DRILLING Company Limited

DAILY DRILLING REPORT

CONSERVATION BOARD

DAY WORK RECORD

THIS IS 9. DAY ON THIS WELL

NOTE-Please show FOOTAGE made while "Control Drilling" as well as HOURS.

RIG No. 1 COMPANY Union LOCATION Union Panama 32 Twp DIR DATE Jan 27 19 69

Tour - Midnight - 8 a.m.

Specify Actual Hours Worked	HRS.
DRILLER R. BERT BRENNER	8
DERRICK GARY HATCH	8
MOTOR WAYNE CRAWFORD	8
FLOOR JACK ALLEN	8
FLOOR DON ASENAULT	8
FLOOR	
FIREMAN	
EXTRA	

INJURIES:

FIRES:

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE
767										8	

BITS NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION

MUD	12 MN.	2 A.M.	4 A.M.	6 A.M.
WEIGHT				
VISCOSITY				
GEL				

ADDITIVES

AT SURVEYS DEGREE

MOTOR HOURS	NEXT OIL CHANGE
1	
2	
3	
4	
5	

PUMPS			
NO. 1	PRESSURE		
MODEL	S.P.M.		
	LINER SIZE		
NO. 2	PRESSURE		
MODEL	S.P.M.		
	LINER SIZE		

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP

GENERAL BOILER 8 HRS

W.L. F.C. pH.

STANDS
SINGLES
D. COLLARS
OTHER FT.
C.B. FT.
SUBS. FT.
FT. UP ON KELLY
TOTAL

REMARKS	TIME START	STOP	INTERVAL
FINISH HOOKING UP	8:00	5:30	5½
KILL LINES FRARE LINES			
CHECK ALL VALVES & FILL			
FARE LINES & VALVES			
WITH DIESEL FUEL.			
PRESSURE UP B.O.P. LINES	5:30	8:00	2½
RUINED HYDRILL RUBBER			

Tour - 8 a.m. - 4 p.m.

Specify Actual Hours Worked	HRS.
DRILLER CARTER McINTOSH	8
DERRICK RAY BARTON	8
MOTOR MIKE HASBROOK	8
FLOOR LAWRENCE BRINKERT	8
FLOOR	
FLOOR	
FIREMAN	
EXTRA	

INJURIES:

FIRES:

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE
767											

BITS NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION

MUD	8 A.M.	10 A.M.	12 NOON	2 P.M.
WEIGHT				
VISCOSITY				
GEL				

ADDITIVES

AT SURVEYS DEGREE

MOTOR HOURS	NEXT OIL CHANGE
1	
2	
3	
4	
5	

PUMPS			
NO. 1	PRESSURE		
MODEL	S.P.M.		
	LINER SIZE		
NO. 2	PRESSURE		
MODEL	S.P.M.		
	LINER SIZE		

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP

GENERAL Boiler 8 Hrs

W.L. F.C. pH.

STANDS
SINGLES
D. COLLARS
OTHER FT.
C.B. FT.
SUBS. FT.
FT. UP ON KELLY
TOTAL

REMARKS	TIME START	STOP	INTERVAL
WAIT ON NEW HYDRIL	8:00		
RUBBER.			
WORK ON BOP LINES		4:00	8
FILL TANKS W/ WATER.			
STAKE FIRE LINES.			

Tour - 4 p.m. - Midnight

Specify Actual Hours Worked	HRS.
DRILLER NEIL JOHNSON	8
DERRICK LAWRENCE BELK	8
MOTOR CHARLES RAMOND	8
FLOOR MIKE KEATS	8
FLOOR DALE LAMBERTS	8
FLOOR	
FIREMAN	
EXTRA	

INJURIES:

FIRES:

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE
767.											

BITS NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION
1	8¾	Y16	2-11-1-1/2	3777							

MUD	4 P.M.	6 P.M.	8 P.M.	10 P.M.
WEIGHT				
VISCOSITY				
GEL				

ADDITIVES

AT SURVEYS DEGREE

MOTOR HOURS	NEXT OIL CHANGE
1	
2	
3	
4	
5	

PUMPS			
NO. 1	PRESSURE		
MODEL	S.P.M.		
	LINER SIZE		
NO. 2	PRESSURE		
MODEL	S.P.M.		
	LINER SIZE		

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP

GENERAL Boiler 8 Hrs

W.L. F.C. pH.

STANDS
SINGLES
D. COLLARS
OTHER FT.
C.B. FT.
SUBS. FT.
FT. UP ON KELLY
TOTAL

REMARKS	TIME START	STOP	INTERVAL
INSTALL NEW HYDRIL	4:00		
RUBBER.		8:00	4
PRESSURE UP BLIND	8:00		
RAM TO 1500# PSI		9:00	2
PICK UP 12¼ HOLE	10:00		
CLEAN + MAKE UP B.T	1		
RUNNING IN TOOL JOINT		12:00	2.

Totco Ring on Bit No. D.P. Calipered Date Results From Pipe Rack TOTAL CONTRACTOR TIME HRS. TOOLPUSHER

B.O.P. Test-Operated Time Results TOTAL COMPANY TIME HRS. APPROVED BY

CASCADE DRILLING Company Limited

DAILY DRILLING REPORT

THIS IS 8 DAY ON THIS WELL

CONSERVATION BOARD

DAY WORK RECORD

NOTE - Please show FOOTAGE made while "Control Drilling" as well as HOURS.

RIG No. 1 COMPANY UNION LOCATION UNION DANAROTA TRANSR DATE JAN 26 1969

Tour - Midnight - 8 a.m.

Specify Actual Hours Worked	HRS.
DRILLER [illegible]	
DERRICK [illegible]	
MOTOR KEN HAMMACK	
FLOOR [illegible]	
FLOOR	
FLOOR RON BURTON	
FIREMAN ½ HRS TRAVELING	
EXTRA	

INJURIES: DAN KENNEDY RAMEL RIG TWO

FIRES: TO RIG ONE 2 HRS

Tour - 8 a.m. - 4 p.m.

Specify Actual Hours Worked	HRS.
DRILLER ROBERT BRENNER	8
DERRICK GARY HATCH	8
MOTOR WAYNE BOGUE	8
FLOOR JACK ALLEN	8
FLOOR DON ARSENAULT	8
FLOOR	
FIREMAN	
EXTRA	

INJURIES:

FIRES:

Tour - 4 p.m. - Midnight

Specify Actual Hours Worked	HRS.
DRILLER NEIL JOHNSON	8
DERRICK LAWRENCE FELIX	8
MOTOR GEORGE ARMION	8
FLOOR MILES HOULE	8
FLOOR L. BEALIEU	8
FLOOR C. LABBEE	8
FIREMAN	
EXTRA	

INJURIES:

FIRES:

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE	STANDS	SINGLES	D. COLLARS	OTHER FT.	C.B. FT.	SUBS. FT.	FT. UP ON KELLY	TOTAL

BITS NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION

MUD	12 MN.	2 A.M.	4 A.M.	6 A.M.	ADDITIVES	AT SURVEYS DEGREE	MOTOR HOURS	NEXT OIL CHANGE
WEIGHT							1	
VISCOSITY							2	
GEL							3	
							4	
							5	

PUMPS															
NO. 1	PRESSURE														
MODEL	S.P.M.														
	LINER SIZE														
NO. 2	PRESSURE														
MODEL	S.P.M.														
	LINER SIZE														

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP	FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP

GENERAL

W.L. F.C. pH.

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE	STANDS	SINGLES	D. COLLARS	OTHER FT.	C.B. FT.	SUBS. FT.	FT. UP ON KELLY	TOTAL
1167										8									

BITS NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION

MUD	8 A.M.	10 A.M.	12 NOON	2 P.M.	ADDITIVES	AT SURVEYS DEGREE	MOTOR HOURS	NEXT OIL CHANGE
WEIGHT							1	
VISCOSITY							2	
GEL							3	
							4	
							5	

PUMPS															
NO. 1	PRESSURE														
MODEL	S.P.M.														
	LINER SIZE														
NO. 2	PRESSURE														
MODEL	S.P.M.														
	LINER SIZE														

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP	FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP

GENERAL ROLLER 4 HRS.

W.L. F.C. pH.

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE	STANDS	SINGLES	D. COLLARS	OTHER FT.	C.B. FT.	SUBS. FT.	FT. UP ON KELLY	TOTAL

BITS NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION

MUD	4 P.M.	6 P.M.	8 P.M.	10 P.M.	ADDITIVES	AT SURVEYS DEGREE	MOTOR HOURS	NEXT OIL CHANGE
WEIGHT							1	
VISCOSITY							2	
GEL							3	
							4	
							5	

PUMPS															
NO. 1	PRESSURE														
MODEL	S.P.M.														
	LINER SIZE														
NO. 2	PRESSURE														
MODEL	S.P.M.														
	LINER SIZE														

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP	FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP

GENERAL

W.L. F.C. pH.

REMARKS	TIME START	TIME STOP	TIME INTERVAL
WAIT ON CASING BUSH	1200	200	2
HEAD UP CLEAN MUD TANKS	200	400	2
WORK ON WOT 2 PINS	400	630	2½
HEAD UP	630	800	1½
HEAD UP	800	1200	
HEAD UP BOBS	400	1200	

Totco Ring on Bit No. _____ D.P. Calipered Date _____ Results _____ From Pipe Rack _____

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

TOTAL CONTRACTOR TIME _____ HRS. TOOLPUSHER C. D. Co. Tool Pusher

TOTAL COMPANY TIME _____ HRS. APPROVED BY [signature]

CASCADE DRILLING Company Limited

DAILY DRILLING REPORT

CONSERVATION BOARD **DAY WORK RECORD**

THIS IS _____ DAY ON THIS WELL

NOTE - Please show FOOTAGE made while "Control Drilling" as well as HOURS.

RIG No. 1 COMPANY Unical Oil LOCATION Union Canada 32 Tower DATE JAN 25 1967

Tour - Midnight - 8 a.m.

Specify Actual Hours Worked	HRS.
DRILLER Robert McCall	15
DERRICK Fred Cooper	10
MOTOR Neil Kearsley	11
FLOOR Lonnie Gunderson	5
FLOOR Jack Sweeney	6
FLOOR	
FIREMAN	
EXTRA	

INJURIES: Gas into Penetrators

FIRES: Travel started to Rig (8 HRS) outside

Tour - 8 a.m. - 4 p.m.

Specify Actual Hours Worked	HRS.
DRILLER Robert Brenner	12
DERRICK Gary Hatch	12
MOTOR Wayne Ogilvie	10
FLOOR Jack Allen	12
FLOOR Don Arsenault	10
FLOOR Ron Barton	4
FIREMAN	
EXTRA	

INJURIES:

FIRES:

Tour - 4 p.m. - Midnight

Specify Actual Hours Worked	HRS.
DRILLER Johnny Joe	8
DERRICK Homer Johnson	11
MOTOR Laurence Bending	10
FLOOR James Hillson	8
FLOOR Tom Dhare	6
FLOOR	
FIREMAN	
EXTRA	

INJURIES:

FIRES:

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE	STANDS	SINGLES	D. COLLARS	OTHER FT.	C.B. FT.	SUBS. FT.	FT. UP ON KELLY	TOTAL
765	761				17	6½	3⅜	HW		8		2	2	481.00			32.5	5	765.13

BITS	NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION
			Smith F-3	3-12's								
			Hughes J-4	3-12's								

MUD	12 MN.	2 A.M.	4 A.M.	6 A.M.	ADDITIVES	AT SURVEYS DEGREE	MOTOR HOURS	NEXT OIL CHANGE
WEIGHT							1 168	
VISCOSITY							2 168	
GEL							3 168	
							4 168	
							5 204	

PUMPS		PRESSURE	SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP	FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP
NO. 1	MODEL		12¼		8						
NO. 2	MODEL										

S.P.M. LINER SIZE

GENERAL Stuck over 16" Casing
w/ Eng-Cars Request

W.L. F.C. pH.

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE	STANDS	SINGLES	D. COLLARS	OTHER FT.	C.B. FT.	SUBS. FT.	FT. UP ON KELLY	TOTAL

BITS	NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION

MUD	8 A.M.	10 A.M.	12 NOON	2 P.M.	ADDITIVES	AT SURVEYS DEGREE	MOTOR HOURS	NEXT OIL CHANGE
WEIGHT							1	
VISCOSITY							2	
GEL							3	
							4	
							5	

PUMPS		PRESSURE	SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP	FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP
NO. 1	MODEL										
NO. 2	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 NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER 8 HRS.	DRILL PIPE SIZE	STANDS	SINGLES	D. COLLARS	OTHER FT.	C.B. FT.	SUBS. FT.	FT. UP ON KELLY	TOTAL
765'																			

BITS	NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION

MUD	4 P.M.	6 P.M.	8 P.M.	10 P.M.	ADDITIVES	AT SURVEYS DEGREE	MOTOR HOURS	NEXT OIL CHANGE
WEIGHT							1	
VISCOSITY							2	
GEL							3	
							4	
							5	

PUMPS		PRESSURE	SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP	FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP
NO. 1	MODEL										
NO. 2	MODEL										

S.P.M. LINER SIZE

GENERAL Boiler & Mud

W.L. F.C. pH.

REMARKS	TIME START	TIME STOP	TIME INTERVAL
Went on Off Shot	1200	530	
Ran casing	530	900	
Reciprocated 20th 774.12' to 765'			
30" K.S. Mod Cut A 0.D. 30.1 T&C #4			
with 650 sax Construction cement containing			
3% CaCl + ½# Flocele per Sack.			
15% 16.5# slurry. Pumped in 71 BBL.			
water Displaced with 55.5 BBL water.			
CIP = 2:35 PM Jan 26 1967.			
Hours Rig time Started at 765.65 KB			
Hours Float collar Tested @ 723.61 KB			
2 Floats. Top plug stopped at 715' KB			
Hours Centralizers at 774.12 KB.			
Est. 95 sax returns. Float held ok.			
Cemented by Howco. 30 minutes.			
KB to GR = 12.40			
KB to TF = 12.00			
Thaw			
Rig Services Csg	9:00	9:30	2½
Prepare to cement - rig cement	11:30	11:30	1
Circulate on Kelly hose	11:30	1:30	2
Mix Cement	1:30	2:15	¾
Displace Top Plug	2:15	2:30	¼
W.O.C.	2:30	4:00	1½
W.O.C.	4:00	10:00	6
CUT OFF CASING	10:00		
AND CONDUCTOR.		11:00	1
WELDING ON CASING	11:00		
Bowl.		12:00	1
CLEANING MUD.			
THAWING HYDRAULICS			
CLEAN CELLAR.			
DRAIN PUMPS			

Totco Ring on Bit No. _____ D.P. Calipered Date _____ Results _____ From Pipe Rack _____

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

TOTAL CONTRACTOR TIME _____ HRS. TOOLPUSHER W. G. Faulkner

TOTAL COMPANY TIME _____ HRS. APPROVED BY _____

CASCADE DRILLING Company Limited

DAILY DRILLING REPORT

THIS IS 6 DAY ON THIS WELL

OPERATOR

RIG No. 1 COMPANY [illegible] LOCATION [illegible] DATE [illegible] 19[illegible]

DAY WORK RECORD

NOTE - Please show FOOTAGE made while "Control Drilling" as well as HOURS.

Tour - Midnight - 8 a.m.

Specify Actual Hours Worked	HRS.
DRILLER [illegible]	8
DERRICK [illegible]	8
MOTOR [illegible]	8
FLOOR [illegible]	8
FLOOR [illegible]	8
FLOOR	
FIREMAN	
EXTRA	

INJURIES:

FIRES:

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE
735	20	755	7¼	65	11	6½	2¾	[illegible]		7	4½

BITS	NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4H	711	[illegible]		DRG

MUD	12 MN.	2 A.M.	4 A.M.	6 A.M.	ADDITIVES
WEIGHT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
VISCOSITY	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GEL					

PUMPS					
NO. 1	PRESSURE	[illegible]	250	[illegible]	[illegible]
MODEL [illegible]	S.P.M.	[illegible]	[illegible]	[illegible]	[illegible]
	LINER SIZE	[illegible]	[illegible]	[illegible]	[illegible]
NO. 2	PRESSURE	[illegible]	[illegible]	[illegible]	[illegible]
MODEL [illegible]	S.P.M.	[illegible]	[illegible]	[illegible]	[illegible]
	LINER SIZE	[illegible]	[illegible]	[illegible]	[illegible]

AT SURVEYS DEGREE		MOTOR HOURS	NEXT OIL CHANGE
134	1	1 [illegible]	[illegible]
		2 [illegible]	
		3 [illegible]	
		4 [illegible]	
		5 [illegible]	

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP
15		7					

GENERAL [illegible] DUMPED NO 1 TANK

W.L. F.C. pH.

STANDS 2
SINGLES 2
D. COLLARS 481.00
OTHER FT.
C.B. FT.
SUBS. FT. 3.28
FT. UP ON KELLY 15'
TOTAL 755.13

REMARKS	TIME START	STOP	INTERVAL
DRLG 13¾ HOLE	[illegible]	[illegible]	[illegible]
R.S. SERVICE	[illegible]	[illegible]	[illegible]
CIRC & SURVEY @ 739	[illegible]	[illegible]	[illegible]
DRLG 13¾ HOLE	[illegible]	800	6¼

Tour - 8 a.m. - 4 p.m.

Specify Actual Hours Worked	HRS.
DRILLER ROBERT BRENNER	8
DERRICK GARY HATCH	15
MOTOR WAYNE DRUCE	0
FLOOR JACK WALFF	0
FLOOR DON ARKWRIGHT	0
FLOOR	
FIREMAN	
EXTRA	

INJURIES:

FIRES:

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE
755	10	765	5¼	65	17	6½	2¾	40		4	4½

BITS	NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION
	HA	13¾	OSC3	3-12	1662			54	711	9½	765	

MUD	8 A.M.	10 A.M.	12 NOON	2 P.M.	ADDITIVES
WEIGHT	9.9	10	[illegible]	10	
VISCOSITY	62	64	[illegible]	70	
GEL					

PUMPS					
NO. 1	PRESSURE	450			10
MODEL [illegible]	S.P.M.	[illegible]			[illegible]
	LINER SIZE	5½			[illegible]
NO. 2	PRESSURE	[illegible]			[illegible]
MODEL [illegible]	S.P.M.	[illegible]			[illegible]
	LINER SIZE	[illegible]			[illegible]

AT SURVEYS DEGREE		MOTOR HOURS	NEXT OIL CHANGE
		1 152	
		2 152	[illegible]
		3 152	
		4 152	
		5 144	

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP
12¼		0					

GENERAL [illegible] DRILL 13¾ HOLE
[illegible] TRIP - 770 FT
[illegible] SLIP - 772.65
[illegible] 2.52

W.L. F.C. pH.

STANDS 3
SINGLES 2
D. COLLARS 481.00
OTHER FT.
C.B. FT.
SUBS. FT. 3.28
FT. UP ON KELLY CUT
TOTAL 765.13

REMARKS	TIME START	STOP	INTERVAL
DRLG 13¾ HOLE	800	830	½
R.S. SERVICE	830	845	¼
REPAIR FUEL LINE TO HEATERS	845	915	½
DRILL 13¾ HOLE	915	1[illegible]	[illegible]
PUMP MAINTANCE	12[illegible]	1[illegible]	½
DRILL 13¾ HOLE.	1[illegible]	230	1½
HOIST MISC CUT	[illegible]	[illegible]	1½

Tour - 4 p.m. - Midnight

Specify Actual Hours Worked	HRS.
DRILLER [illegible]	0
DERRICK [illegible]	0
MOTOR [illegible]	0
[illegible]	8
FLOOR [illegible]	8
FLOOR	
FIREMAN	
EXTRA	

INJURIES:

FIRES:

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE
765	2	767	0		17	6½	2¾	40		4	4½

BITS	NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION
	HA	13¾	OSC3	3-12	1662							

MUD	4 P.M.	6 P.M.	8 P.M.	10 P.M.	ADDITIVES
WEIGHT					
VISCOSITY		70			
GEL					

PUMPS					
NO. 1	PRESSURE				
MODEL [illegible]	S.P.M.		[illegible]		
	LINER SIZE	[illegible]	[illegible]		
NO. 2	PRESSURE	[illegible]	[illegible]		
MODEL [illegible]	S.P.M.	[illegible]			
	LINER SIZE	[illegible]			

AT SURVEYS DEGREE		MOTOR HOURS	NEXT OIL CHANGE
[illegible]	[illegible]	1 [illegible]	
		2 [illegible]	[illegible]
		3 [illegible]	
		4 [illegible]	
		5 [illegible]	

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP

GENERAL [illegible]

W.L. F.C. pH.

STANDS 2
SINGLES 2
D. COLLARS 481.00
OTHER FT.
C.B. FT.
SUBS. FT. 3.28
FT. UP ON KELLY [illegible]
TOTAL 765.13

REMARKS	TIME START	STOP	INTERVAL
T.C. SERVICE.	[illegible]	[illegible]	[illegible]
WORK ON FUEL LINE TO [illegible]	[illegible]		
[illegible]		[illegible]	¾
RIG UP TO RUN	[illegible]	[illegible]	1½
CIRCULATE TO RUN			1
CASING			
SURVEY	[illegible]	[illegible]	[illegible]
HOIST TO [illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]		
[illegible]		[illegible]	[illegible]
[illegible]			

Toico Ring on Bit No. _____ D.P. Calipered Date _____ Results _____ From Pipe Rack _____

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

TOTAL CONTRACTOR TIME _____ HRS. TOOLPUSHER [illegible]

TOTAL COMPANY TIME _____ HRS. APPROVED BY _____

CASCADE DRILLING Company Limited

DAILY DRILLING REPORT

CONSERVATION BOARD

DAY WORK RECORD

THIS IS 5 DAY ON THIS WELL

NOTE-Please show FOOTAGE made while "Control Drilling" as well as HOURS.

RIG No. 1 COMPANY _____ LOCATION _____ DATE Jan 23 19 69

Tour - Midnight - 8 a.m.

Specify Actual Hours Worked	HRS.
DRILLER Garth McIntosh	8
DERRICK Ken McCarrick	8
MOTOR Jan Kennedy	8
FLOOR Harvey Barnett	8
FLOOR Jack Sudbury	8
FLOOR	
FIREMAN	
EXTRA	

INJURIES:

FIRES:

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE
690	20	710	2½	65	11	6½	2¼	40		8	4½

BITS	NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION
	3A	13¾	OSC3	CONN	6668	45	127	78	632	6½		D.C.G.

MUD	12 MN.	2 A.M.	4 A.M.	6 A.M.	ADDITIVES
WEIGHT					
VISCOSITY					
GEL					

PUMPS				
NO. 1	PRESSURE		450	
	MODEL	Bech		
	S.P.M.			
	LINER SIZE	6		
NO. 2	PRESSURE			
	MODEL	Nil		
	S.P.M.			
	LINER SIZE			

W.L. F.C. pH.

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP
15		6					

GENERAL Boiler & Pumps

AT SURVEYS DEGREE	
632	3°

MOTOR HOURS	NEXT OIL CHANGE
1 130	
2 120	168
3 120	
4 120	
5 118	

STANDS	2
SINGLES	1
D. COLLARS	481.00
OTHER FT.	
C.B. FT.	
SUBS. FT.	3.28
FT. UP ON KELLY	29
TOTAL	710

MEMORY 711.58
TALLY 709.57
DIFF 2.01

REMARKS	TIME START	STOP	INTERVAL
DRLG	1200	1245	¾
RIG SERVICE	1245	100	¼
SURVEY MIS RUN	100	115	¼
HOIST OUT OF HOLE	115	215	1
CLEAN BIT MAKE UP SAND	315	315	1
CLEAN SAWDUST FROM UNDER	315	415	1
VALVES IN PUMPS			
MEASURE IN HOLE CLEAN	415	615	2
TO BOTTOM			
DRILL BIT BALLING UP	615	800	1¾

Tour - 8 a.m. - 4 p.m.

Specify Actual Hours Worked	HRS.
DRILLER Robert Turcotte	8
DERRICK Garry Hatch	8
MOTOR Wayne Ogilvie	8
FLOOR Jack Allen	8
FLOOR Don Arsenault	8
FLOOR	
FIREMAN	
EXTRA	

INJURIES:

FIRES:

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE
710	1	711	1	65	17	6½	2⅞	40	8 hrs		4½
711	3	714	1½								

BITS	NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION
	3A	13¾	OSC3	CONN	6668	10	180	78	632	6½	711	
	4A	13¾	OSC3	CONN	1662				711	1½		

MUD	8 A.M.	10 A.M.	12 NOON	2 P.M.	ADDITIVES
WEIGHT				10.6	10.6
VISCOSITY				60	62
GEL					

PUMPS				
NO. 1	PRESSURE			
	MODEL	C250	30th Pump	
	S.P.M.		On Hole	
	LINER SIZE	6		
NO. 2	PRESSURE			
	MODEL	C250		
	S.P.M.			
	LINER SIZE			

W.L. F.C. pH.

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP
15		8					

GENERAL BOILER 8 HRS
CHANGE 2 SEALS FF2 PUMP

AT SURVEYS DEGREE	

MOTOR HOURS	NEXT OIL CHANGE
1 138	
2 174	168
3 178	
4 124	
5 164	

STANDS	2
SINGLES	1
D. COLLARS	481.00
OTHER FT.	
C.B. FT.	
SUBS. FT.	3.28
FT. UP ON KELLY	25.89
TOTAL	714

REMARKS	TIME START	STOP	INTERVAL
RIG SERVICE	800	815	¼
DRILLING BIT BALLING UP	815	915	1
HOIST FUNNY NOISE ON PUMPS WORK ON PUMPS	945	1050	1¼
CLEAN MAIN TANK (SHAKER)	1030	1200	2
RUN IN	1200	1230	½
DRLG 13¾ HOLE	1230	400	1½

Tour - 4 p.m. - Midnight

Specify Actual Hours Worked	HRS.
DRILLER J. Mc Hodge	8
DERRICK Harvey Johnson	11
MOTOR Jan Kennedy	8
FLOOR James Wilson	8
FLOOR Tom O'Haire	8
FLOOR	
FIREMAN	
EXTRA	

INJURIES:

FIRES:

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE
714	2'	735'	7¾	65	17	6½	2⅞	40		8	4½

BITS	NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION
	4A	13¾	OSC3	CON	1662	K	120	54		9¼		4-N

MUD	4 P.M.	6 P.M.	8 P.M.	10 P.M.	ADDITIVES
WEIGHT		10.6			
VISCOSITY	55	56	68		750 SUPERCOL
GEL					

PUMPS				
NO. 1	PRESSURE			
	MODEL	C250	30th Pump	
	S.P.M.		On Hole	
	LINER SIZE	6		
NO. 2	PRESSURE	ON	55	
	MODEL	C250		
	S.P.M.			
	LINER SIZE			

W.L. F.C. pH.

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP
15							

GENERAL

AT SURVEYS DEGREE	

MOTOR HOURS	NEXT OIL CHANGE
1 136	
2 136	168
3 136	
4 136	
5 172	

STANDS	
SINGLES	
D. COLLARS	481.00
OTHER FT.	
C.B. FT.	
SUBS. FT.	3.28
FT. UP ON KELLY	
TOTAL	735

REMARKS	TIME START	STOP	INTERVAL
RIG SERVICE	400	415	¼
DRILL 13¾ HOLE	415	1200	7¾

Toteo Ring on Bit No. _____ D.P. Calipered Date _____ Results _____ From Pipe Rack _____

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

TOTAL CONTRACTOR TIME _____ HRS. TOOLPUSHER C. F. Caulfield

TOTAL COMPANY TIME _____ HRS. APPROVED BY _____

CASCADE DRILLING Company Limited

DAILY DRILLING REPORT

CONSERVATION BOARD

DAY WORK RECORD

THIS IS 4 DAY ON THIS WELL

NOTE - Please show FOOTAGE made while "Control Drilling" as well as HOURS.

RIG No. 1 COMPANY CASCADE LOCATION Valhalla Range, Grand 0-7 DATE Jan 22 1969

Tour - Midnight - 8 a.m.

Specify Actual Hours Worked	HRS.
DRILLER Lionel McINTYRE	8
DERRICK KEN HILSCHER	8
MOTOR JAN KENNEDY	8
FLOOR LARRY BORSNESS	8
FLOOR JOE SUDOBAY	8
FLOOR	
FIREMAN	
EXTRA	

INJURIES:

FIRES:

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL	BOILER	DRILL PIPE SIZE
679					17	6½	2¼	40	GALS.	HRS.	

BITS NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION
3A	12¼	OSC3	CONN	6468			47	632	15		

MUD	12 MN.	2 A.M.	4 A.M.	6 A.M.	ADDITIVES
WEIGHT					
VISCOSITY					
GEL					

PUMPS		
NO. 1	PRESSURE	
	MODEL	
	S.P.M.	
	LINER SIZE	
NO. 2	PRESSURE	
	MODEL	
	S.P.M.	
	LINER SIZE	

AT SURVEYS DEGREE

MOTOR HOURS		NEXT OIL CHANGE
1	96	
2	96	168
3	96	
4	96	
5	132	

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP	FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP

GENERAL Boiler 8 hrs

W.L. F.C. pH.

STANDS	SINGLES	D. COLLARS	OTHER FT.	C.B. FT.	SUBS. FT.	FT. UP ON KELLY	TOTAL
	2	481.00			3.28	Down	679.02

Tour - 8 a.m. - 4 p.m.

Specify Actual Hours Worked	HRS.
DRILLER ROBERT BREMNER	8
DERRICK GARY HATCH	8
MOTOR WAYNE OGILVIE	8
FLOOR JACK OGILVIE	8
FLOOR DON ARSENAULT	8
FLOOR	
FIREMAN	
EXTRA	

INJURIES:

FIRES:

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL	BOILER	DRILL PIPE SIZE
679					17	6½	2 7/8	40	GALS.	8 HRS.	4½ 1"

BITS NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION
2A	13¾	OSC3	CONN	6446			47	632	15		

MUD	8 A.M.	10 A.M.	12 NOON	2 P.M.	ADDITIVES
WEIGHT					
VISCOSITY					
GEL					

PUMPS		
NO. 1	PRESSURE	
	MODEL	
	S.P.M.	
	LINER SIZE	
NO. 2	PRESSURE	
	MODEL C15	
	S.P.M.	
	LINER SIZE	

AT SURVEYS DEGREE

MOTOR HOURS		NEXT OIL CHANGE
1	84	
2	104	
3	104	168
4	104	
5	140	

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP	FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP
1½		4						

GENERAL Boiler 8 hrs

W.L. F.C. pH.

STANDS	SINGLES	D. COLLARS	OTHER FT.	C.B. FT.	SUBS. FT.	FT. UP ON KELLY	TOTAL
1	44.00	481.00			3.28	Down	679.02

Tour - 4 p.m. - Midnight

Specify Actual Hours Worked	HRS.
DRILLER JOHN McINTYRE	8
DERRICK HOMER JOHNSON	8
MOTOR LAWRENCE ROBERTS	8
FLOOR JAMES WILSON	8
FLOOR TOM OHANE	8
FLOOR	
FIREMAN	
EXTRA	

INJURIES:

FIRES:

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL	BOILER	DRILL PIPE SIZE
679.	11	690	1¼	60	17	6½	2 7/8	40	GALS.	8 HRS.	4½ 1"

BITS NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION
3A	12¼	OSC3	CONN	6888	15	180	57	632	23		

MUD	4 P.M.	6 P.M.	8 P.M.	10 P.M.	ADDITIVES
WEIGHT					
VISCOSITY	170	170	175		
GEL					

PUMPS		
NO. 1	PRESSURE	1400
	MODEL C23	S.P.M. 120
		LINER SIZE 7"
NO. 2	PRESSURE	450
	MODEL C150	S.P.M.
		LINER SIZE

AT SURVEYS DEGREE

MOTOR HOURS		NEXT OIL CHANGE
1	112	
2	112	168.
3	112	
4	112	
5	148	

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP	FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP
1½		6						

GENERAL BOILER 8 hrs.

W.L. F.C. pH.

STANDS	SINGLES	D. COLLARS	OTHER FT.	C.B. FT.	SUBS. FT.	FT. UP ON KELLY	TOTAL
2		481.00			3.28.		690.

Totco Ring on Bit No. _____ D.P. Calipered Date _____ Results _____ From Pipe Rack _____

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

TOTAL CONTRACTOR TIME _____ HRS. TOOLPUSHER Clyde Faulk

TOTAL COMPANY TIME _____ HRS. APPROVED BY _____

REMARKS	TIME START	TIME STOP	TIME INTERVAL
RIG UP BUMPER SUB	1800	800	8
AND BUMP SUB			
WAIT ON FISHERMAN			

CASCADE DRILLING Company Limited

DAILY DRILLING REPORT

CONSERVATION BOARD

DAY WORK RECORD

THIS IS 3 DAY ON THIS WELL

NOTE - Please show FOOTAGE made while "Control Drilling" as well as HOURS.

RIG No. 1 COMPANY CASCADE LOCATION UNION PARM 22 TRANS DATE JAN 21 1969

Tour - Midnight - 8 a.m.

Specify Actual Hours Worked	HRS.
DRILLER GARTH MCINTOSH	8
DERRICK KEN MCCARRICK	8 11
MOTOR DON KENNEDY	8 11
FLOOR LESLEY BARNESS	8
FLOOR DAVID EAST	8
FLOOR	
FIREMAN	
EXTRA	

INJURIES: OVERTIME WORK UP NEW RADIO ANTENNA

FIRES: ENGINEERS REQUEST

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE
632	47	679	1½	65M	17	6½	2⅞	43M		9	3½

BITS NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION
3A	13¾	OSC3	CONN	6888	20	110	47	632	15		

MUD	12 MN.	2 A.M.	4 A.M.	6 A.M.
WEIGHT				8
VISCOSITY			72	48
GEL				

ADDITIVES: 800 SUPER COR

PUMPS	NO. 1	NO. 2
MODEL	C250	
PRESSURE		300
S.P.M.		
LINER SIZE	5½	6½

AT SURVEYS DEGREE	MOTOR HOURS	NEXT OIL CHANGE
	1 72	
	2 72	168
	3 72	
	4 72	
	5 128	

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP	FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP
1½		9						

GENERAL Boulton & Paul

W.L. F.C. pH.

STANDS	SINGLES	D. COLLARS	OTHER FT.	C.B. FT.	SUBS. FT.	FT. UP ON KELLY	TOTAL
1	2	481.00			3.28	DOWN	67902

Tour - 8 a.m. - 4 p.m.

Specify Actual Hours Worked	HRS.
DRILLER ROBERT REAMER	8
DERRICK BARRY HATCH	8 11
MOTOR WAYNE OGILVIE	8
FLOOR DON SUDIANY	8
FLOOR JACK ALLEN	8
FLOOR DON ARSENAULT	8
FIREMAN	
EXTRA	

INJURIES: BROKE UP RADIO ANTENNA

FIRES:

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE
679				65	17	6½	2⅞	40		6	4½ IF

BITS NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION
3A	13¾	OSC3	CONN	6888				632			

MUD	8 A.M.	10 A.M.	12 NOON	2 P.M.
WEIGHT				
VISCOSITY	55	90	120	150
GEL				

ADDITIVES: 1200 LBS Gel, 55 SKS SAWDUST, 25 LBS Lime

PUMPS	NO. 1	NO. 2
MODEL		
PRESSURE		
S.P.M.		
LINER SIZE	5½	

AT SURVEYS DEGREE	MOTOR HOURS	NEXT OIL CHANGE
	1 86	
	2 40	168
	3 40	
	4 40	
	5 116	

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP	FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP
1½		8						

GENERAL Boulton & Paul

W.L. F.C. pH.

STANDS	SINGLES	D. COLLARS	OTHER FT.	C.B. FT.	SUBS. FT.	FT. UP ON KELLY	TOTAL
1	2	481.00			3.28	DOWN	67902

Tour - 4 p.m. - Midnight

Specify Actual Hours Worked	HRS.
DRILLER JOHN MCNEIL	8
DERRICK HOWARD JOHNSON	8
MOTOR LAWRENCE REGIER	8
FLOOR JAMES WILSON	8
FLOOR TOM OHARE	8
FLOOR	
FIREMAN	
EXTRA	

INJURIES:

FIRES:

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE
679				65	17	6½	2⅞	40		6	4½ IF

BITS NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION
3A	13¾	OSC3	CONN	6888				679	15½		

MUD	4 P.M.	6 P.M.	8 P.M.	10 P.M.
WEIGHT				
VISCOSITY	150		170	170
GEL				

PUMPS	NO. 1	NO. 2
MODEL	C250	
PRESSURE		
S.P.M.		
LINER SIZE	5½	

AT SURVEYS DEGREE	MOTOR HOURS	NEXT OIL CHANGE
	1 88	
	2 88	
	3 88	
	4 88	
	5 124	

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP	FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP
1½		8						

GENERAL

W.L. F.C. pH.

STANDS	SINGLES	D. COLLARS	OTHER FT.	C.B. FT.	SUBS. FT.	FT. UP ON KELLY	TOTAL
1	2	481.00			3.28	DOWN	67902

REMARKS	TIME START	TIME STOP	TIME INTERVAL
RIG SERVICE	1200	1215	1/4
TRIPING	1215	230	2¼
BLOW KELLY TAKE FROZEN SECTION OUT DUMP AND BAILOUT	230	400	1½
DRILL 13 [illegible]	400	530	1½
MIX MUD WORK STUCK PIPE	530	800	2½
RIG SERVICE	800	815	1/4
MIX MUD + WORK STUCK PIPE	815	1100	7¾
R.C. SERVICE.	1100	1115	1/4
WORK STUCK PIPE -	1115	1200	¾
WHITMAN FISHING TOOLS			

Totco Ring on Bit No. _____ D.P. Calipered Date _____ Results _____ From Pipe Rack _____

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

TOTAL CONTRACTOR TIME _____ HRS. TOOLPUSHER H. Johns

TOTAL COMPANY TIME _____ HRS. APPROVED BY A. A. Fuhrke

CASCADE DRILLING Company Limited

DAILY DRILLING REPORT

CONSERVATION BOARD

DAY WORK RECORD

RIG No. 1 COMPANY CASCADE LOCATION UNION PAD AMOCO TRAILER DATE JAN 20 19 69

THIS IS 2 DAY ON THIS WELL

NOTE - Please show FOOTAGE made while "Control Drilling" as well as HOURS.

Tour - Midnight - 8 a.m.

Specify Actual Hours Worked	HRS.
DRILLER ZASTEMITSKY	8
DERRICK KEN MCGARRICK	8
MOTOR DAN KENNEDY	8
FLOOR DON DAITSON	8
FLOOR LARRY BARSKESS	8
FLOOR	
FIREMAN	
EXTRA	
INJURIES:	
FIRES:	

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.
217	208	425	7½	50M	13	6½	2¾	3M

FUEL GALS. 9 BOILER HRS. DRILL PIPE SIZE

BITS	NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION
	20	13¾	OSC3	BONI	L285		80	27½	154	9¼		RUN

MUD	12 MN.	2 A.M.	4 A.M.	6 A.M.
WEIGHT				
VISCOSITY	65	70	70	70
GEL				

ADDITIVES: 200 SUPER COL

PUMPS		12 MN.	2 A.M.	4 A.M.	6 A.M.
NO. 1	PRESSURE	200	200	200	200
MODEL C250	S.P.M.	64	64	64	64
	LINER SIZE				
NO. 2	PRESSURE				
MODEL C150	S.P.M.				
	LINER SIZE				

W.L. F.C. pH.

AT SURVEYS	DEGREE	MOTOR HOURS	NEXT OIL CHANGE
276	½	1 48	
293	3½	2 42	
		3 45	
		4 42	
		5 84	

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP	FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP
15		9						

GENERAL Boiler Down

STANDS
SINGLES
D. COLLARS 379.29
OTHER FT.
C.B. FT.
SUBS. FT. 328
FT. UP ON KELLY DOWN
TOTAL 425

Tour - 8 a.m. - 4 p.m.

Specify Actual Hours Worked	HRS.
DRILLER ROBERT BRENNER	8
DERRICK GARY HATCH	8
MOTOR WAYNE OGILVIE	8
FLOOR DON SUDDABY	8
FLOOR JACK ALLEN	8
FLOOR DON ASNAULT	8
FIREMAN	
EXTRA	
INJURIES:	
FIRES:	

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.
425	115	540	6½	58		6½	2¾	

FUEL GALS. 8 BOILER HRS. DRILL PIPE 4½ SIZE

BITS	NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION
	22	13¾	OSC3	CONV	6885	20	120 / 180		151	15¾		

MUD	6 A.M.	10 A.M.	12 NOON	2 P.M.
WEIGHT				
VISCOSITY	60		55	55
GEL				

ADDITIVES: 1000# Gel 25 Lime

PUMPS		6 A.M.	10 A.M.	12 NOON	2 P.M.
NO. 1	PRESSURE	200		200	200
MODEL C250	S.P.M.	64		64	64
	LINER SIZE				
NO. 2	PRESSURE				
MODEL E150	S.P.M.				
	LINER SIZE				

W.L. F.C. pH.

AT SURVEYS	DEGREE	MOTOR HOURS	NEXT OIL CHANGE
450	MISS RUN	1 56	
475	1/4	2 56	168
		3 56	
		4 56	
		5 92	

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP	FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP
15	2	8						

GENERAL

STANDS
SINGLES
D. COLLARS 481
OTHER FT.
C.B. FT.
SUBS. FT. 328
FT. UP ON KELLY 16
TOTAL 540 (24)

Tour - 4 p.m. - Midnight

Specify Actual Hours Worked	HRS.
DRILLER LEN ALLAIRE	8
DERRICK HOWARD WILSON	8
MOTOR LAWRENCE BOUTIER	8
FLOOR JAMES WILSON	8
FLOOR TOM O'HARE	8
FLOOR	
FIREMAN	
EXTRA	
INJURIES:	
FIRES: JOHNSON WELDING	

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.
540	92	632		44		6½	2 7/8	

FUEL GALS. 8 BOILER HRS. DRILL PIPE 4½ SIZE

BITS	NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION
	2A	13¾	OSC3	CONV	6385	30	110	481	151.	21½	632	

MUD	4 P.M.	6 P.M.	8 P.M.	10 P.M.
WEIGHT				
VISCOSITY	70	70	72	
GEL				

ADDITIVES: 5500 Lbs Gel.

PUMPS		4 P.M.	6 P.M.	8 P.M.	10 P.M.
NO. 1	PRES. SURF.	300	300	300	
MODEL C-10	S.P.M.	64	64	64	
	LINER SIZE				
NO. 2	PRESSURE				
MODEL	S.P.M.				
	LINER SIZE				

W.L. F.C. pH.

AT SURVEYS	DEGREE	MOTOR HOURS	NEXT OIL CHANGE
590	¼	1 64	
		2 64	168.
		3 64	
		4 64	
		5 100	

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP	FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP

GENERAL

STANDS 1
SINGLES 1
D. COLLARS 481.00
OTHER FT.
C.B. FT.
SUBS. FT. 3.28
FT. UP ON KELLY 16
TOTAL 632.

REMARKS	TIME START	STOP	INTERVAL
DRILL 13¾ HOLE	12:00	2:00	2
SURVEY	2:00	2:15	¼
DRILL 13¾ HOLE	2:15	6:15	4
SURVEY	6:15	6:30	¼
DRILL 13¾ HOLE	6:30	8:00	1½
DRILL 13¾ HOLE	8:00	10:45	2¾
SURVEY - MISS RUN - RIG SERVICE	10:45	11:00	1¼
WORK PIPE	11:00	11:45	¾
DRILL 13¾ HOLE	11:45	1:15	1½
SURVEY	1:15	1:45	½
DRILL 13¾ HOLE	1:45	4:30	2¾
DRILL 13¾ HOLE	4:30	6:30	2½
RIG SERVICE	6:30	6:45	¼
SURVEY @ 585	6:45	7:15	½
DRILL 13¾ HOLE	7:15	10:30	3¼
TRIP	10:30	12:00	1½

Totco Ring on Bit No. _____ D.P. Calipered Date _____ Results _____ From Pipe Rack _____

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

TOTAL CONTRACTOR TIME _____ HRS. TOOLPUSHER Len Allaire

TOTAL COMPANY TIME _____ HRS. APPROVED BY

CASCADE DRILLING Company Limited

DAILY DRILLING REPORT

CONSERVATION BOARD

DAY WORK RECORD

THIS IS 1 DAY ON THIS WELL

DATE Jan 19 1969

RIG No. 1-162 COMPANY Union Oil

LOCATION Union Pan Am 072 T20N R12W

NOTE - Please show FOOTAGE made while "Control Drilling" as well as HOURS.

Tour - Midnight - 8 a.m.

Specify Actual Hours Worked	HRS.
DRILLER JACK MCINTOSH	8
DERRICK KEN HASSBRICK	8
MOTOR MUDGENE BROILER	8
FLOOR TOM DATTILON	8
FLOOR YANCEY BARGNESS	8
FLOOR	
FIREMAN	
EXTRA	
INJURIES:	
FIRES:	

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE
0	45	45	1	5						8	4½ 11

BITS NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION
1A	13¾	OSC3	4 Jets	[illegible]							

MUD	12 MN.	2 A.M.	4 A.M.	6 A.M.
WEIGHT				
VISCOSITY				
GEL				

ADDITIVES: 150 [illegible] GEL; 200 [illegible] SODA ASH; 50 [illegible] LIME

AT SURVEYS DEGREE:

MOTOR HOURS	NEXT OIL CHANGE
1 24	
2 24	
3 24	
4	
5 60	

PUMPS	
NO. 1 PRESSURE	
MODEL	S.P.M.
C-250	LINER SIZE 5½
NO. 2 PRESSURE	
MODEL	S.P.M.
C-150	LINER SIZE

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP

GENERAL: Boiler & Kas

W.L. F.C. pH.

STANDS / SINGLES / D. COLLARS / OTHER FT. / C.B. FT. / SUBS. FT. / FT. UP ON KELLY / TOTAL

REMARKS	TIME START	TIME STOP	INTERVAL
WORK WATER PUMP	1200	700	7
MIX MUD RIG UP TO SPUD			
SPUD IN [illegible]	700	800	1

Tour - 8 a.m. - 4 p.m.

Specify Actual Hours Worked	HRS.
DRILLER ROBERT BREMNER	8
DERRICK GARY HATCH	8
MOTOR WAYNE OGILVIE	8
FLOOR DON SUDDABY	8
FLOOR JACK ALLEN	8
FLOOR DON ARSENAULT	8
FIREMAN	
EXTRA	
INJURIES:	
FIRES:	

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE
0	167	167	7¼							16	4½ 11

BITS NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION
1P	13¾	OSC3	4 Jets	[illegible]	ALL	80	137	1670	8¼		DRLG.

MUD	8 A.M.	10 A.M.	12 NOON	2 P.M.
WEIGHT				
VISCOSITY			32	65
GEL				

ADDITIVES: [illegible] 1200 # M.L. 100 # LIME.

AT SURVEYS DEGREE: 70 1°; 130 4°

MOTOR HOURS	NEXT OIL CHANGE
1 32	168
2 32	
3 32	
4	
5 68	

PUMPS	
NO. 1 PRESSURE	300
MODEL	S.P.M. 64
C-250	LINER SIZE 5½
NO. 2 PRESSURE	
MODEL	S.P.M.
C-150	LINER SIZE

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP
1¼		8					

GENERAL: Baker & Kas

W.L. F.C. pH.

STANDS 18 43 / SINGLES / D. COLLARS / OTHER FT. / C.B. FT. 3.28 / SUBS. FT. / FT. UP ON KELLY 30 / TOTAL 151.11

REMARKS	TIME START	TIME STOP	INTERVAL
DRILL 13¾ HOLE	600	1000	2
SURVEY + SERVICE RIG	1000	1030	½
DRILL 13¾ HOLE	1030	200	3½
SURVEY	200	215	¼
DRILL 13¾ HOLE	215	400	1¾

Tour - 4 p.m. - Midnight

Specify Actual Hours Worked	HRS.
DRILLER JAMES MILLIE	8
DERRICK HOWARD JOHNSON	8
MOTOR LAURENCE BROILIER	8
FLOOR JAMES WILSON	8
FLOOR TOM O'HARE	8
FLOOR	
FIREMAN	
EXTRA	
INJURIES:	
FIRES:	

FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL STRING (1000 LBS.)	DRILL COLLARS NO.	O.D.	I.D.	WGT.	FUEL GALS.	BOILER HRS.	DRILL PIPE SIZE
107	110	217	6¼	40.						8	4½ 11

BITS NO.	SIZE	TYPE	SIZE JETS	SERIAL NO.	WEIGHT	R.P.M.	FT. DRLD.	DEPTH IN	HRS.	DEPTH OUT	CONDITION
1A	13¾	OSC3	CONE	[illegible]	ALL	80	151	[illegible]0	[illegible]H	151	4-2-1
2A	13¾	OSC3	CONE	6885	VAL	80	44.	151	13¼		

MUD	4 P.M.	6 P.M.	8 P.M.	10 P.M.
WEIGHT				
VISCOSITY	65	70	70	
GEL				

ADDITIVES: 1350 # SUPER GEL

AT SURVEYS DEGREE: 180 ½°

MOTOR HOURS	NEXT OIL CHANGE
1 40	
2 40	160
3 40	
4	
5 76	

PUMPS	
NO. 1 PRESSURE	1200
MODEL	S.P.M. 64
C-250	LINER SIZE 5½
NO. 2 PRESSURE	
MODEL	S.P.M.
	LINER SIZE

SIZE	TRIPS	NO. LINES	TON MILES	TOTAL MILES	SLIP FEET OR CUT	FEET LEFT ON SPOOL	NEXT SLIP
1¼		8					

GENERAL: Baker & Kas.

W.L. F.C. pH.

STANDS / SINGLES / D. COLLARS 6¼ / OTHER FT. / C.B. FT. / SUBS. FT. / FT. UP ON KELLY 21 / TOTAL 217

REMARKS	TIME START	TIME STOP	INTERVAL
SERVICE RIG.	400	405	¼
DRILL 13¾ HOLE. DRILL ON BOULDER.	415	815	4½
TRIP FOR NEW BIT.	845	1015	1½
DRILL 13¾ HOLE. DRILL BOULDER	1015	200	1¾

Toico Ring on Bit No. _____ D.P. Calipered Date _____ Results _____ From Pipe Rack _____

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

TOTAL CONTRACTOR TIME _____ HRS. TOOLPUSHER [illegible]

TOTAL COMPANY TIME _____ HRS. APPROVED BY [illegible]