CDN-SUP KMG JEAN MARIE

J-52

Drilling Authority No. 391

Date Issued 22 December 1969

WELL NAME Cdn-Sup KIG Jean Marie J-52

FIELD ..... Area: .....

LOCATION: Unit J Section 52 Grid 61-40-120-15

Latitude 61-31-30 Longitude 120-25-00

U.W.L.R. 61.52500 -- 120.41667

U.W.I. 300J526140120150

Rig Release Date: 6-2-70

Status .....

Information Release Date .....

CHANGE OF NAME:

DATE RECEIVED	INDEX
22/12/69	Application for a Drilling Authority.
	Well Completion Data.
	Well History Report.
	Application to Amend a Drilling Authority.
	Application to change a Well Name.
25/3/70	Application to Abandon a Well ~~or Suspend Drilling~~.
	Application to Alter Condition of a Well.
25/2/70	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.....

IAND 52-90 (3-69)

File No. .....
Drilling Authority No. 391

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
OIL AND MINERAL 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: Cdn-Sup KMG Jean Marie J-52

Location: Unit J Section 52 Grid Lat 61°40'N Long 120°15'W

Latitude 61° 31' 30" N. Longitude 120° 25' 00" W.

From Established Reference Marker: Dominion Land Survey N.E. Corner Twp 143, Rge 14, W6

Universal Well Location Reference: Lat: 61.52500 N Long 120.41667W

Permit No. 1460 Lease No. .....

Andex Oil Co. Ltd.
Canadian Superior Oil Ltd.
(Permittee, Licensee, Lessee)
Kerr-McGee of Canada Northwest, Ltd.

Date of commencement of proposed program 4th February 1970

OIL, GAS, AND WATER ENCOUNTERED
(Depths)

Oil at: NIL
Gas at: NIL
Water at: 1625-1916
Total Depth: 2200 Date of last operations: February 6th, 1970.
Present condition of well: Plugged and abandoned

CASING RECORD

Casing Size O.D. Inches	Weight	Amount	Set At—	Sacks of Cement and Additives	Amount Pulled
1. 10-3/4"	32.75#		460'	460 sks +2½% $CaCl_2$	NIL
2.					
3.					
4.					
5.					

PROPOSED ABANDONMENT PROGRAM

Plug No.	Plug Position	Geological Formation	Number of Sacks of Cement	Remarks
1	2200-1500	Bear Rock	200 Sks + 8% Gel	
2	510-410	Surface Casing	90 Sks + 2% $CaCl_2$	Feel after 8 hours
3	Surface Plug		5 Sks	Welded on ½" steel plate installed name plate

The following logs have been run: DLL - BHC Sonic Gamma Caliper - Formation Density
Other operations proposed: Nil

Operations to be carried out by: Beaver Drilling Contractor Licence No. 0663
Address: Calgary, Alberta Address: .....
Responsible Agent in field: G. Berthiaume
Dated at Calgary, this 23rd Day of March 19 1970
Signed by: C C Copeland Company: Canadian Superior Oil Ltd.
Title: Manager - Production Operator's Exploratory Licence No. 1248

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

(For OIL AND MINERAL DIVISION use only)

APPROVAL

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

Confirming oral approval given by Mr. G.E. Blue on the 4th February 1970.

Dated 25th March, 19 70

B. S. Lyons
Oil Conservation Engineer

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

Drilling Authority No. 391
Date Issued December 22, 1969

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
OIL AND MINERAL 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: CDN-SUP KMG JEAN MARIE J-52

Permit No. 4460 Lease No.

Andex, Canadian Superior, Kerr McGee Exploratory Licence No. 1271, 1248, 1282
(Permittee, Licensee, Lessee)

Canadian Superior Oil Ltd. Exploratory Licence No. 1248
(Operator)

Location: Unit J Section 52 Grid Latitude: 61° 40' Longitude: 120° 15'

Latitude 61° 31' 30" Longitude 120° 25' 00"

From Established Reference Marker Dominion Land Survey N.E. Corner Twp. 143, Rge. 14 W.6M

Universal Well Location Reference Lat: 61.52500° N., Longitude: 120.41667°

	DATE	DEPTH
Spudded	Jan 23/70	
Suspended		
Resumed Operations		
Finished Drilling	Feb 3/70	2200'
Deepened		
Complete (gas, oil)		
Abandoned	Feb 6/70	2200'
Rig released	Feb 6/70	2200'

Pool(s) None

Interval(s) open to production None

Elevation: Gr. 618' K.B. 632'

Rig No. 3

Drilling Contractor Beaver Drilling Ltd.

Contractor's Business Licence No. 0663

CASING RECORD

Casing Size (inches)	Grade	Weight	Amount	Set at —	Sacks of Cement and Additives
1. 10 3/4"	H-40	32.75#	12 jts.	460'	450 sacks + 2½% $CaCl_2$
2.					
3.					
4.					
5.					
6.					

GEOLOGICAL TOPS	ELEVATION Depths	ELEVATION Sub-Sea
DILL TOPS		
Spence River	1532'	- 900'
Horn Plateau	1606'	- 974'
Hume	1822'	-1190'
Subplatform	1943'	-1311'
Bear Rock	2123'	-1491'

CORE RECORD

From	To	Rec.	From	To	Rec.
1614'	1674'	59.8'			

LOG RECORD

Run No.	Type of Log	From	To
1	Dual Induction Lat.	460'	2197'
1	BHC Sonic Gamma Caliper	460'	2199'
1	Formation Density	460'	2200'

IAND 52-90 (7) (2-69)

CEMENTING RECORD (Plug, Squeeze, etc.)				PERFORATING RECORD (Bullet, Jet)				SERVICING RECORD (Acidizing, Fracing, etc.)			
Date	From	To	Remarks	Date	From	To	Remarks	Date	From	To	Remarks
Feb 5	2200'	1500'	200 sacks + 8% Gel. Plug Down 7:15 P.M.	None				None			
Feb 5	510'	410'	90 sacks + 2% $CaCl_2$ Plug Down 9:10 P.M. Felt @ 390'								
Feb 6	surface plug		5 sacks Welded on ½" plate Installed name plate								

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	Jan. 30	Hume Reef	1612'	1637'	60	60	60	716	586	125	138	713	713	Preflow 3 minutes, fair initial puff, weak air blow throughout, recovered 270' drilling mud, Chart depth 1628'
2	Feb. 1	Hume Reef	1625'	1916'	60	60	60	748	732	310	616	793	793	Preflow 5 minutes, good initial puff, fair air blow throughout, NGTS, recovered 540' drilling mud, 560' sulphurous salt water (190,000 ppm NaCl - Field reading) Chart depth 1666'

ANALYSIS

Lab. No.	Sample	From	To	Source	Remarks
CCI-70-039	Core	1614'	1674'	Horn Plateau Reef	Cut 60', Rec. 59.8
C70-5802-3	Water	1612'	1637'	" DST #1	
C70-6803-3	Water	1625'	1916'	" DST #2	

PRESENT STATUS OF WELL

Oil		(Interval.)
Gas		(Interval.)
Dry	X	February 6
Susp.		

Company: Canadian Superior Oil Ltd.

Signed by: A. M. Rove

Title: Geologist

Date: February 25, 1970

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

POOR COPY

Drilling Authority No. 391
Project No.
File No.

CANADA

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
[redacted] DIVISION
OIL AND MINERAL

Application for a Drilling Authority

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

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

Name and number of well: Con-Sup KMG Jean Marie J-52

Location: Unit J Section 52 Grid Lat 61°40' Long 120°15'

Latitude 61°31'30" Longitude 120°25'00"

From Established Reference Marker Dominion Land Survey N.E. Corner Twp 143, Rge 14, W6

Universal Well Location Reference Lat. 61.52500° N., Long. 120.41667° W.

Elevation: Ground 618 K.B. feet above sea-level.

Well is expected to produce from Middle Devonian Carbonate formation at a depth of about 2200 feet. Expected total final depth 2600

Area assigned to well

(For Oil Conservation Engineer's use only)

Permit No. 4,460 Lease No. Acreage 60,948

Permittee, licensee, or lessee Canadian Superior, Kerr McGee, Andex

Exploratory Licence No. 1248 1282 1271

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. 8-5/8"	24#	J	New	450	Full Length
2.					
3.					
4.					
5.					

Expected water, gas, and oil horizons and type of control equipment
Middle Devonian Carbonates

Double Gate and Bag Type Preventors

Well will be drilled with Rotary Rig No. 3 by Beaver Drilling Ltd.
(Drilling Contractor or company)

Responsible agent of applicant:— Contractor's Business Licence No. 0663

At well G. Berthiaume At registered office C. C. Copeland

Address Professional Bldg., Red Deer, Alberta. Address 703 - 6th Avenue S.W., Calgary 1, Alta.

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

Dated at Calgary, this 12th day of December 19 69

Signed by C C Copeland Company Canadian Superior Oil Ltd.

Title Manager - Production Operator's Licence No. 1248

(For Resource Management Division use only)

APPROVED

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

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

Dated 22 December 19 69 (over)

Oil Conservation Engineer

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

IAND 52-90-1 (3-67)

UNIQUE WELL IDENTIFIER - 300J526140120150

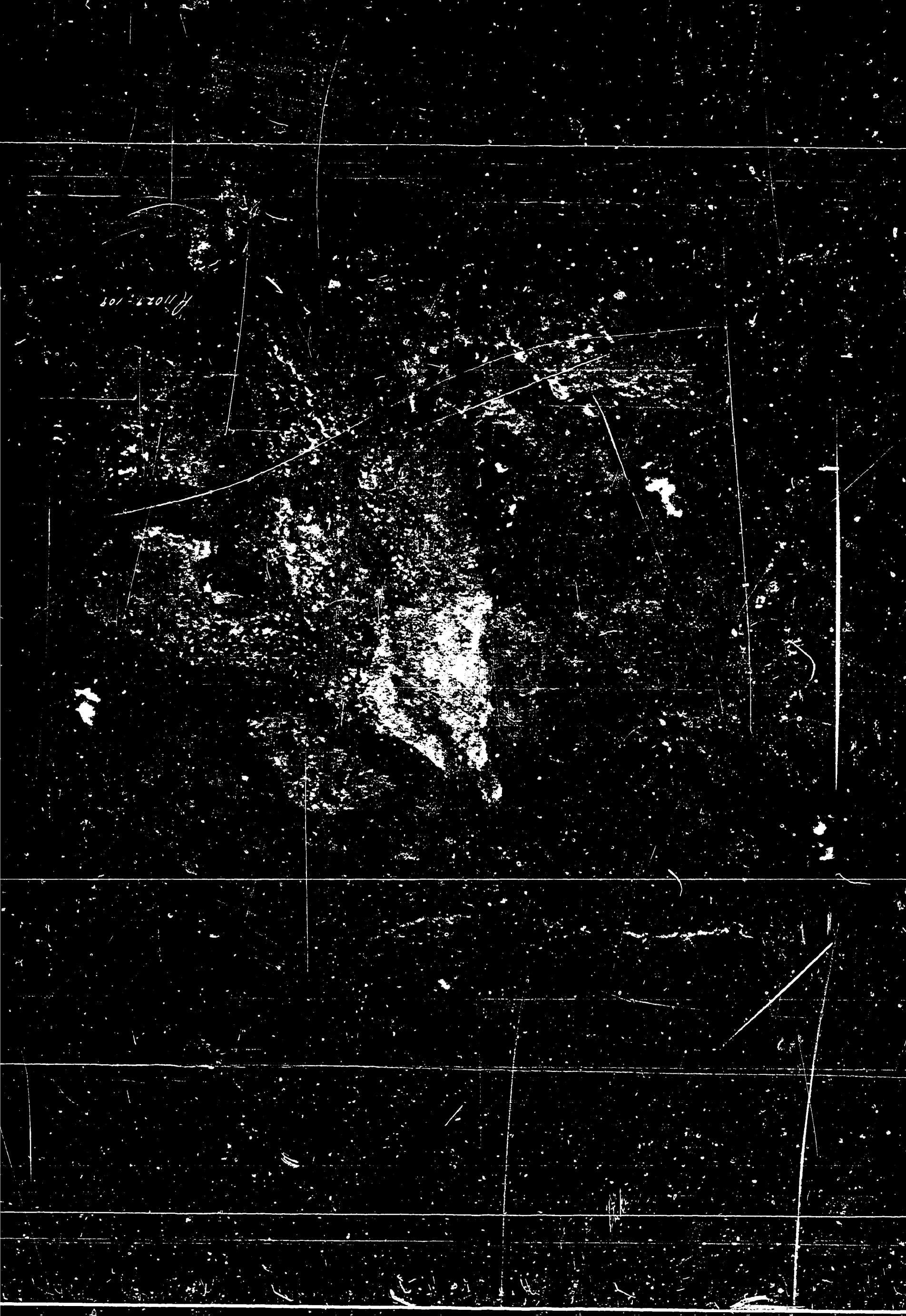
that drilling fluids, chemicals and wastes shall be disposed of or contained in a manner that will prevent the contamination of adjacent vegetation and surface or sub-surface waters.

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

4. Production or intermediate casing program shall be approved by the Oil Conservation Engineer.

B.H.J. Thomas, Oil Conservation Engineer

DEC 22 1969
DEPT. OF INDIAN AFFAIRS & NORTHERN DEVELOPMENT
OIL & MINERAL DIVISION



Cdn-Grp KMC Jean Marie J-52

DEPT. OF INDIAN AFFAIRS & NORTHERN DEVELOPMENT
OIL & MINERAL DIVISION
DEC 22 1969
MINERAL RECORDS

25-11-4-14

WELL HISTORY REPORT

CDN-SUP KMG JEAN MARIE J-52

DRILLING AUTHORITY: F391

WELL HISTORY REPORT

CDN - SUP K.M.G. JEAN MARIE J - 52

Canadian Superior Oil Ltd.
703 - 6th. Avenue S.W.
Calgary, Alberta.

OIL & GAS OPERATIONS UNIT
Oil and Mineral Division
MAR 23 1970
OTTAWA, CANADA
Dept. of Indian Affairs & Northern Development

COMPILED BY:

M. G. Smailes

SUBMITTED BY:

A. M. Love

DATE: March 11, 1970

CDN - SUP K.M.G. JEAN MARIE J-52

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WELL HISTORY REPORT

CANADIAN SUPERIOR OIL LTD.

SECTION I.

SUMMARY OF WELL DATA

(a)	Well Name:	CDN-SUP K.M.G. JEAN MARIE J-52
(b)	Permittee:	Canadian Superior, Kerr McGee, Andex Oil
(c)	Operator:	Canadian Superior Oil Ltd. 703 - 6th Avenue S.W. Calgary, Alberta
(d)	Location:	Grid: J-52-61-40-120-15 Latitude: 61° 31' 30" Longitude: 120° 25' 00" Universal Well Location Reference: Latitude: 61.52500° N. Longitude: 120.41667° W. Unique Well Identifier: 300J526140120150
(e)	Co-ordinates:	Nil
(f)	Permit Number:	4460
(g)	Drilling Contractor:	Beaver Drilling Ltd. Rig #3, Rotary Type
(h)	Drilling Authority:	#391, Issued December 22, 1969
(i)	Classification:	Wildcat
(j)	Elevations:	Gnd. 618' K.B. 632'
(k)	Date Spudded:	January 23, 1970
(l)	Drilling Completed:	February 3, 1970

(m)	Total Depth:	2200', Middle Devonian
(n)	Status:	Dry and Abandoned
(o)	Rig Release Date:	12:01 P.M., February 6, 1970
(p)	Hole Size:	15" to 460' 8 3/4" to 1614' 7 13/16" to 1674' 7 7/8" to 2200'
(q)	Casing:	Ran 10 3/4" casing to 460' K.B. Set with 450 sacks of cement + 2¼% $CaCl_2$

GEOLOGICAL SUMMARY

(a) Formation Tops:

	SAMPLE	LOGS	SUB-SEA
Spence River	1550'	1532'	(- 900')
Horn Plateau	1609'	1606'	(- 974')
Hume		1822'	(-1190')
Subplatform	1928'	1943'	(-1311')
Bear Rock	2120'	2123'	(-1491')

(b) Cored Intervals: Core #1 1614'-1674', Horn Plateau
Cut 60', Recovered 59.8'

(c) Core Description: Coring Times:

1614'-24'	8	9	9	8	12	15	15	18	9	10
1624'-34'	12	10	7	7	7	8	7	7	8	10
1634'-44'	10	10	11	10	9	10	11	10	10	8
1644'-54'	12	11	17	13	9	11	13	13	14	11
1654'-64'	9	8	8	7	7	8	7	8	8	8
1664'-74'	7	7	9	8	8	9	9	9	8	9

1614.0'-1619.6' (5.6') Limestone - buff-brown, medium crystalline, highly fossiliferous, fair to good intercrystalline porosity, some pyrobituminous content, minor fluoresence and mineral fluoresence, some gas bleeding

1619.6'-1626.3' (6.7') Limestone - buff,medium crystalline as above, fair only intercrystalline porosity, nil staining or fluoresence, trace gas bleeding

1626.3'-1633.8' (7.5') Limestone - buff, medium crystalline as above, coaresly crystalline in part, abundant fossil crinoid and brachipod content, some fair intercrystalline porosity, nil staining, vertical fractures

1633.8'-1636.7' (2.9') Limestone - buff and dark buff as above, fair to weak intercrystalline porosity over approx. 50% of described section, remainder moderately dense

1636.7'-1646.6' (9.9') Limestone - buff as above, some fair intercrystalline porosity over 30% of described interval, trace of gas bleeding in fractures

1646.6'-1653.8' (3.2') Limestone - as above, medium crystalline, fossiliferous in part, mainly dense

1653.8'-1673.8' (20.0') Limestone - buff and brown buff, medium crystalline, coarsely crystalline in part, fair only intercrystalline porosity over approx. 50% of described interval, remainder moderately dense, fossil brachipod and crinoidal remains, some small fractures (irregular) scattered pyrite

(d) Sample Description:

0'-10'	Sand, coarse-grained poorly sorted; gravel, medium, sub-angular; claystone; gypsum; some fossil plant and bone remains; chert fragments.
10'-30'	Gravel, multi-coloured sub-angular to rounded; sand coarse-grained as above; granite boulders small; chert angular, trace organic material.
30'-90'	Gravel, as above ranging from fine to coarse; granite and chert fragments; sand coarse-grained sub-angular; mudstone uncompacted; trace shale.
90'-110'	Shale, grey and grey-green, micro-micaceous, slightly calcareous, silty texture in part; some sand (cavings) as above.
110'-280'	Shale, grey-green, micro-micaceous, bentonitic, slightly calcareous in part.
280'-360'	Shale, as above, greenish-brown in part; trace pyrite.
360'-460'	Shale, micro-micaceous as above, bentonitic in part; some interbedded sandstone, green, fine-grained, calcareous, argillaceous.
460'-490'	Shale, grey-green as above, trace sandstone very fine grained argillaceous; some cement contamination.
490'-840'	Shale, grey-green, micro-micaceous as above, slightly calcareous in part, somewhat silty texture, trace only fossil plant remains.
840'-1110'	Shale, grey and grey-green as above, slightly calcareous, silty texture in part, minor interbedded sandstone, very fine-grained, argillaceous, tight.
1110'-1490'	Shale, as above, somewhat silty texture in part, trace only sandstone, very fine-grained, argillaceous, tight.
1490'-1580'	Shale, grey-green as above with 40 % upwards of shale dark chocolate-brown, non-calcareous; trace pyrite.
1580'-1600'	Shale, brown, non-calcareous, giving light brown streak, slightly silty texture in part; pyrite.
1600'-1610'	Shale, brown and dark-brown, as above, non-calcareous, slightly bituminous with faint pungent odour on heating; pyrite nodules, small; trace limestone light-buff.
1610'-1614'	Limestone light buff reefal, medium to coarsely crystalline, highly fossiliferous; pyro-bituminous residue; slight odour on heating; very weak fluorescense (Mineral) fossil crinoids, brachiopods.
1614'-1674'	Core #1 See Core Description.

(d) Sample Description:

1674'-1710' Limestone light-buff, reefal, medium to coarsely-crystalline, highly fossiliferous, some pyro-bituminous residue; trace selenite.

1710'-1750' Limestone buff, reefal, medium to coarsely, crystalline as above, some pyro-bituminous residue; fossil crinoidal and brachiopod content.

1750'-1790' Limestone grey-buff coarsely-crystalline, highly fossiliferous, trace selenite; some pyro-bituminous content; fossil remains trace pyrite.

1790'-1820' Limestone brown-buff and brown, medium-crystalline, fossiliferous, moderately dense; fossil crinoids.

1820'-1840' Limestone brown, medium crystalline, coarsely crystalline in part, trace weak inter-crystalline porosity, nil staining; fossil crinoids and brachiopods.

1840'-1880' Limestone brown and dark brown, medium crystalline, fossiliferous in part; trace selenite infil; mainly dense.

1880'-1910' Limestone buff and brown, mottled appearance in part, medium crystalline, fossiliferous; trace weak inter-crystalline porosity, nil staining; pyrite.

1910'-1930' Limestone buff-brown as above, medium crystalline; some fair inter-crystalline porosity (over less than 5 % of sample) somewhat dolomitic; nil staining, nil fluorescense.

1930'-1960' Limestone buff and light brown, finely crystalline, microsucrosic in part; some selenite, mainly dense.

1960'-1990' Limestone brown finely-crystalline, some microsucrosic as above, trace weak inter-crystalline porosity, nil staining or fluorescense; occasional fossil ostracods.

1990'-2030' Limestone buff-brown, fine to medium-crystalline, coarsely crystalline in part; trace weak porosity, nil staining; nil fluorescense; pyrite.

2030'-2060' Limestone brown, medium-crystalline, dolomitic in part; some selenite infil, mainly dense.

2060'-2090' Limestone buff finely-crystalline fossiliferous with limestone brown medium-crystalline dense as above, dolomitic in part.

2090'-2100' Dolomite buff-brown, micro-crystalline dense; some limestone brown dolomitic as above.

2100'-2120' Dolomite brown finely-crystalline as above, mainly dense, trace weak inter-crystalline porosity and very weak staining, nil fluorescense; some selenite infil and secondary dolomite (white) finely disseminated pyrite.

(d) Sample Description:

2120'-2140' Anhydrite grey-buff, crypto-crystalline dense; dolomite (35 %) brown as above; trace chert.

2140'-2180' Anhydrite grey-buff to off-white transluscent, crypto-crystalline massive; trace dolomite brown finely crystalline.

2180'-2200' Anhydrite light buff crypto-crystalline massive as above; dolomite (20 %) brown finely-crystalline dense; occasional fossil ostracods; pyrite; selenite.

(e) Paleontological Determinations:

None identified beyond Class

ENGINEERING SUMMARY

(a) Drillstem Tests:

D.S.T. #1 1612'-1637', Hume Reef, 1" THC, ½" BHC preflow 3 minutes, open 60 minutes, fair initial puff, weak air blow throughout, recovered 270' drilling mud

Recorder (#902) @ 1628' (-996') IHP 713, ISIP (60 mins.) 716, FP 125-138, FSIP (60 mins.) 586, FHP 713, BHT 98° F

D.S.T. #2 1625'-1916', Hume Reef, 1" THC, ½" BHC, preflow 5 minutes, open 60 minutes, good initial puff, fair air blow throughout, NGTS, recovered 540' drilling mud, 560' sulphurous salt water (190,000 ppm NaCl - field reading)

Recorder (#902) @ 1656' (-1024') IHP 793, ISIP (60 mins.) 748, FP 310-616, FSIP (60 mins.) 732, FHP 793

B. H. Temp. 98° F

(b) Casing Record:

Ran 12 joints, 10 3/4" H-40, 32.76#/ft Mannesmann casing to 460' K.B. Cemented with 450 sacks cement plus 2½% $CaCl_2$. Bumped plugs with 800 psi @ 5:09 A.M., January 26, 1970. Good cement returns

(c) Bit Record:

Bit #1A	15"	OSC-3	70'	in	10 1/2	hrs.
#2A	15"	OWV-J	33'	in	6 3/4	hrs.
#3A	15"	OSC-3	357'	in	19	hrs.
#1	8 3/4"	X3-A	1154'	in	24 1/2	hrs.
#2	7 13/16"	Diamond	60'	in	10 3/4	hrs.
#3	7 7/8"	ODV-J	164'	in	23	hrs.
#4	7 7/8"	WD7-J	120'	in	21	hrs.

(d) Mud Report:

Gel - Chemical Type
Gel - 29,700#, Caustic 475#, Bicarb 200#, Q-Boxin 525#, Calex 100#

(e) Deviation Record:

3/4° @ 70'	2° @ 1081'
3/4° @ 132'	1° @ 1210'
3/4° @ 190'	2° @ 1304'
3/4° @ 249'	2° @ 1398'
1/2° @ 308'	1 3/4° @ 1492'
3/4° @ 367'	2° @ 1916'
1° @ 460'	2° @ 2080'
1/4° @ 643'	1 3/4° @ 2200'
1° @ 861'	

(f) Abandonment Plugs:

Plug #1 (2200'-1500') with 200 sacks cement plus 8 % Gel. In place @ 7:15 PM Feb. 5, 1970.

Plug #2 (510'-410') with 90 sacks cement plus 2 % $CaCl_2$. In place @ 9:10 PM Feb. 5, 1970. Felt @ 390' after 8 hours.

Five sacks cement at surface; welded 1/2" steel place; installed name plate.

(g) Lost Circulation: None.

(h) Report of Blowouts: None.

Logs: Feb. 4,1970 Ran Schlumberger Dual Induction-Laterolog
Run #1 (2197'-460')

Feb. 4,1970 Ran Schlumberger Bore hole Compensated Sonic-Log
Run #1 (2199'-460')

Feb. 4,1970 Ran Schlumberger Formation Density Log
Run #1 (2200'-460')

ANALYSES:

(a) Core Analysis: CC1-70-039

Core #1 1614'-1674'

(b) Water Analysis: C70-5802-3 (D.S.T. #1)

C70-5803-3 (D.S.T. #2)

CHEMICAL & GEOLOGICAL LABORATORIES LTD. WATER ANALYSIS Lab No. C70-5803-3

Received: Feb. 19,1970 Reported: Feb. 25, 1970 Well: Location: Cdn.-Sup. K.M.G. Jean Marie J-52

Operator: CANADIAN SUPERIOR OIL LTD. Field or Area:

Elev.: K.B. 632' Grd. 14' Zone/Formation: Hume Sample Interval: 1625' - 1916'

Method of Production: D.S.T. #2 Sampled from: 480' Above Tool Sampled by: Lynes United Services Ltd. Date: Feb. 2, 1970

OTHER PERTINENT DATA Recovery: Drilling Fluid

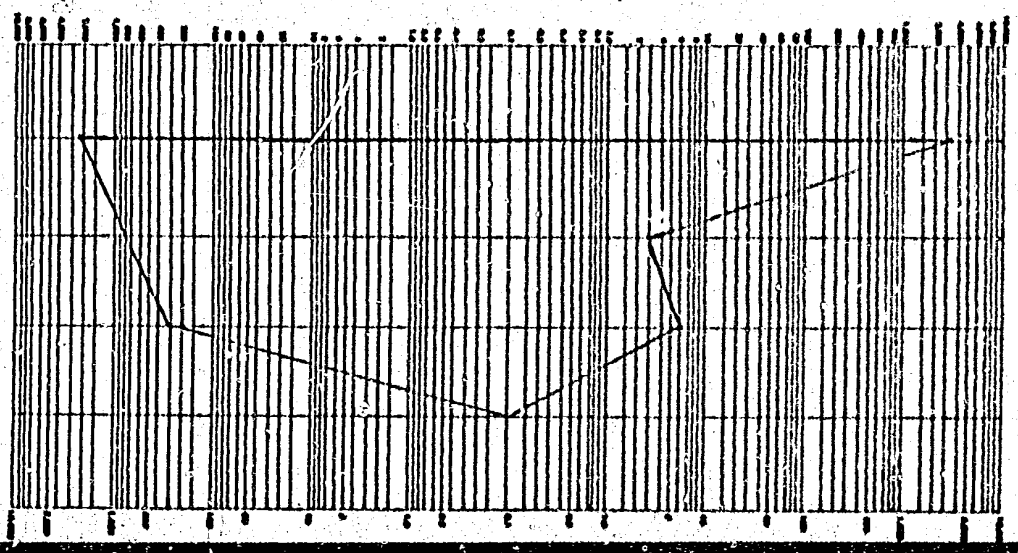
(Signed)

	Na	K	Ca	Mg					SO_4	Cl			CO_3	HCO_3		
Mg./L	52,800		16,900	4110					295	123,000				182		
Meq./L	2296.57		843.31	337.84					6.14	3468.6				2.98		
Meq. %	33.02		12.12	4.86					0.09	49.87				0.04		

Total Solids Mg/L: By Evaporation 203,000 Fe Present Specific Gravity 1.136 @60°F Observed pH 7.4 @ 73 °F

Calculated 197,287 After Ignition 181,000 H_2S Nil Refractive Index 1.3668 @25°C Resistivity 0.056 ohm meters @ 68 °F

Pattern Unit Meq./L



Remarks and Conclusions

The sample as received was a thick mud. The filtrate was clear and colorless. Organic matter was present in the evaporated solids.

LABORATORY NUMBER	SAMPLED FROM	RESISTIVITY (Ohm-meters at 68°F.
C70-5803-1	1100' Above Tool	3.13
C70-5803-2	660' Above Tool	2.40

CHEMICAL GEOLOGICAL LABORATORIES LTD. WATER ANALYSIS Lab No. C70-5802-

Received: Feb. 19, 1970 Reported: Feb. 24, 1970 Well Location: Can. Sup. K.M.G. Jean Marie J-52

Operator: CANADIAN SUPERIOR OIL LTD. Field or Area:

Elev.: K.B. 632' Grd. Zone/Formation: Hume Sample Interval: 1612' - 1637'

Method of Production: D.S.T. #1 Sampled from: Top of tool Sampled by: Lynes United Services Ltd. Date: Jan. 30, 1970

OTHER PERTINENT DATA

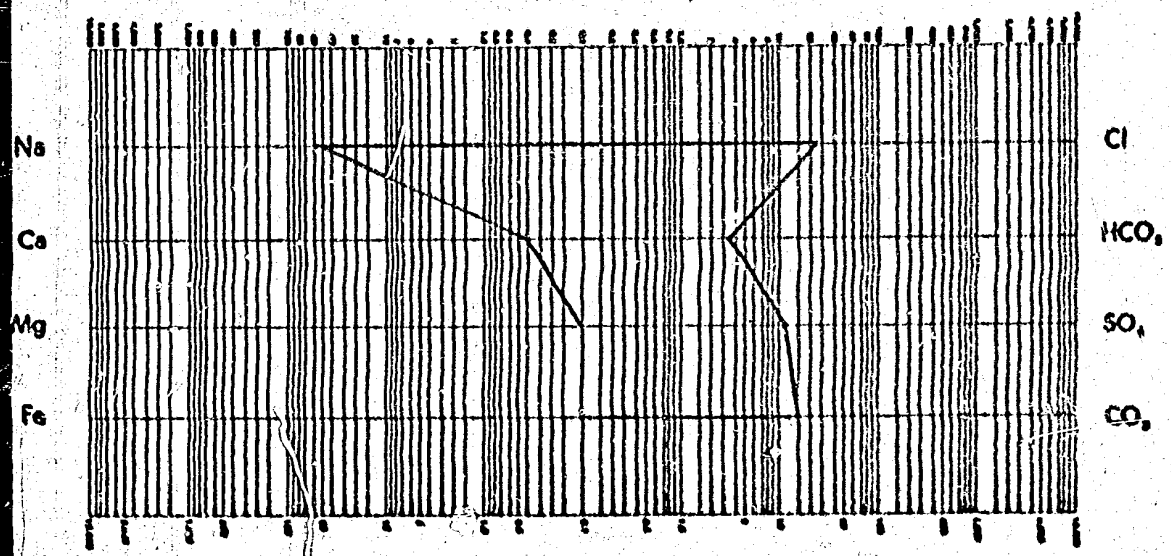
(Signed)

	Na	K	Ca	Mg					SO_4	Cl			CO_3	HCO_3		
Mg./L.	1300		8	Trace					601	891			479	212		
Meq./L	56.66		0.40	---					12.50	25.13			15.95	3.48		
Meq. %	49.65		0.35	---					10.95	22.02			13.98	3.05		

Total Solids Mg/L: By Evaporation 4340 Fe Nil Specific Gravity 1.003 @60°F Observed pH 10.2 @ 73 °F

Calculated 3491 After Ignition 2620 H_2S Nil Refractive Index 1.3335 @25°C Resistivity 1.63 ohm meters @ 68 °F

Pattern Unit Meq./L



Remarks and Conclusions

The sample as received was a thick grey mud.
The filtrate was clear and deep yellow in color.
Organic matter was present in the evaporated solids.

LABORAOTRY NUMBER	SAMPLED FROM	RESISTIVITY (Ohm-meters at 68°F.)
C70-5802-1	270' Above Tool	2.12
C70-5802-2	210' Above Tool	2.00

Canada Core *Analysts Ltd.*

February, 1970

File: CC1-70-039

Cdn-Sup KMG Jean Marie J-52

Hume Reef (1614.0' - 1674.0')

CANADA CORE ANALYSTS LTD.

CALGARY, ALBERTA

DATA

COMPANY CANADIAN SUPERIOR OIL LTD.

WELL CDN-SUP KMG JEAN MARIE J-52

LOCATION 61 13' 30.00 120 25' 00.00

FIELD JEAN MARIE CREEK

PROVINCE N.W.T.

FORMATION HUME REEF

CORING FLUID WATER BASE

CORING EQUIPMENT DIAMOND

ELEVATION 618 GRD.

REMARKS FULL DIAMETER

PAGE 1

FILE CC1-70-039

DATE FEB. 4/70

ANALYST WB, DSA, DH

ALL SAMPLES SANDBLASTED BEFORE ANALYSIS

SUMMARY

SUMMARY INTERVAL									1614.0 TO	1674.0
TOTAL FOOTAGE										60.0
FOOTAGE ANALYZED										60.0
FOOTAGE NOT ANALYZED	RUBBLE	.0	DENSE	.0	LOST	.0	DRILLED	.0	NOT ANALYZED .0	.0

PERMEABILITY RANGE	FOOTAGE	WEIGHTED AVERAGE PERM. MD.	PERMEABILITY FEET	WEIGHTED AVERAGE POROSITY %	POROSITY FEET	WEIGHTED AVERAGE RESIDUAL SAT. % PORE OIL	TOTAL WATER
TOTAL ANALYZED	60.0	1.14	68.69	6.32	379.06		
10. MD. AND GREATER	.0	.00	.00	.00	.00		
1.0 MD. TO 9.9 MD.	28.5	1.84	52.54	7.49	213.51		
0.50 MD. TO 0.99 MD.	19.5	.66	12.83	6.13	119.55		
0.01 MD. TO 0.49 MD.	12.0	.28	3.32	3.83	46.00		
LESS THAN 0.01 MD.	.0	.00	.00	.00	.00		

% POROSITY & MD.

CANADA CORE ANALYSTS LTD.
CALGARY, ALBERTA

DATA

COMPANY CANADIAN SUPERIOR OIL LTD.

PAGE 2

WELL CDN-SUP KMG JEAN MARIE J-52

FILE CC1-70-039

SAMPLE NUMBER	INTERVAL REPRESENTED (FEET) TOP	BASE	THICK	PERMEABILITY TO AIR (MILLIDARCYS) KMAX	K90°	KV	PERMEABILITY FEET	POROSITY %	POROSITY FEET	DENSITY BULK	GRAIN	RESIDUAL SAT. PORE % OIL	TOTAL WATER	VISUAL EXAMINATION
	CORED INTERVAL 1614.0 - 1674.0													
	CORE NO. 1 1614.0 - 1674.0 REC. 60.0 17 BOXES													
1	1614.0-	1615.0	1.0	2.30	2.10	1.50	2.30	6.8	6.80	2.49	2.67			PPV,I,BIT
2	1615.0-	1616.5	1.5	1.50	1.40	.82	2.25	6.4	9.60	2.49	2.66			PPV,I,BIT
3	1616.5-	1617.8	1.3	3.30	3.30	1.70	4.29	7.0	9.10	2.51	2.69			PPV,I,BIT
4	1617.8-	1618.7	.9	2.10	2.10	1.30	1.89	6.7	6.03	2.50	2.68			PPV,I,BIT
5	1618.7-	1619.8	1.1	1.50	1.50	.25	1.65	5.7	6.27	2.50	2.66			PPV,I,BIT,STY
6	1619.8-	1622.4	2.6	.66	.63	.16	1.72	6.9	17.94	2.50	2.69			I,BIT
7	1622.4-	1623.4	1.0	1.90	1.90	.83	1.90	8.7	8.70	2.44	2.68			OCCPPV,I,BIT
8	1623.4-	1628.0	4.6	.56	.55	.37	2.58	6.6	30.36	2.50	2.69			I,BIT,STY
9	1628.0-	1632.0	4.0	1.60	.48	.87	6.40	6.0	24.00	2.52	2.68			I,VF,BIT
10	1632.0-	1636.0	4.0	.11	.10	.04	.44	2.8	11.20	2.61	2.68			I,BIT
11	1636.0-	1640.0	4.0	.24	.22	.10	.96	4.5	18.00	2.57	2.69			I,BIT
12	1640.0-	1643.7	3.7	.70	.66	.31	2.59	6.5	24.05	2.52	2.69			I,BIT
13	1643.7-	1644.7	1.0	1.80	1.70	1.20	1.80	7.5	7.50	2.48	2.69			OCCPPV,I,BIT,STY
14	1644.7-	1646.0	1.3	1.80	1.50	.99	2.34	6.4	8.32	2.49	2.68			OCCPPV,I,BIT
15	1646.0-	1650.0	4.0	.48	.39	.11	1.92	4.2	16.80	2.56	2.67			OCCPPV,I,STY,BIT
16	1650.0-	1654.0	4.0	1.20	1.20	.84	4.80	7.7	30.80	2.49	2.69			OCCPPV,I,BIT
17	1654.0-	1658.0	4.0	.80	.67	.33	3.20	6.6	26.40	2.51	2.70			OCCPPV,I,STROK
18	1658.0-	1660.8	2.8	.57	.53	.16	1.60	4.6	12.88	2.54	2.66			OCCPPV,I,BIT

CANADA CORE ANALYSTS LTD.
CALGARY, ALBERTA

DATA

COMPANY CANADIAN SUPERIOR OIL LTD.

PAGE 3

WELL CDN-SUP KMG JEAN MARIE J-52

FILE cc1-70-039

SAMPLE NUMBER	INTERVAL REPRESENTED (FEET)			PERMEABILITY TO AIR (MILLIDARCYS)			PERMEABILITY FEET	POROSITY %	POROSITY FEET	DENSITY		RESIDUAL SAT. PORE %		VISUAL EXAMINATION
	TOP	BASE	THICK	KMAX	K90°	KV				BULK	GRAIN	OIL	TOTAL WATER	
19	1660.8-	1661.2	.4	1.30	1.20	.42	.52	5.6	2.24	2.55	2.70			OCCPPV,I
20	1661.2-	1663.0	1.8	.64	.63	.10	1.15	4.4	7.92	2.56	2.68			OCCPPV,I,BIT,STY
21	1663.0-	1667.0	4.0	1.90	1.90	.84	7.60	7.6	30.40	2.48	2.69			OCCPPV,I
22	1667.0-	1669.7	2.7	1.80	1.50	1.20	4.86	9.1	24.57	2.44	2.70			OCCPPV,I
23	1669.7-	1670.5	.8	2.30	1.70	1.10	1.84	8.1	6.48	2.48	2.70			OCCPPV,I,STROM
24	1670.5-	1672.5	2.0	3.00	2.00	1.50	6.00	9.6	19.20	2.44	2.70			OCCPPV,I,STROM
25	1672.5-	1674.0	1.5	1.40	.94	1.00	2.10	9.0	13.50	2.45	2.70			OCCPPV,I

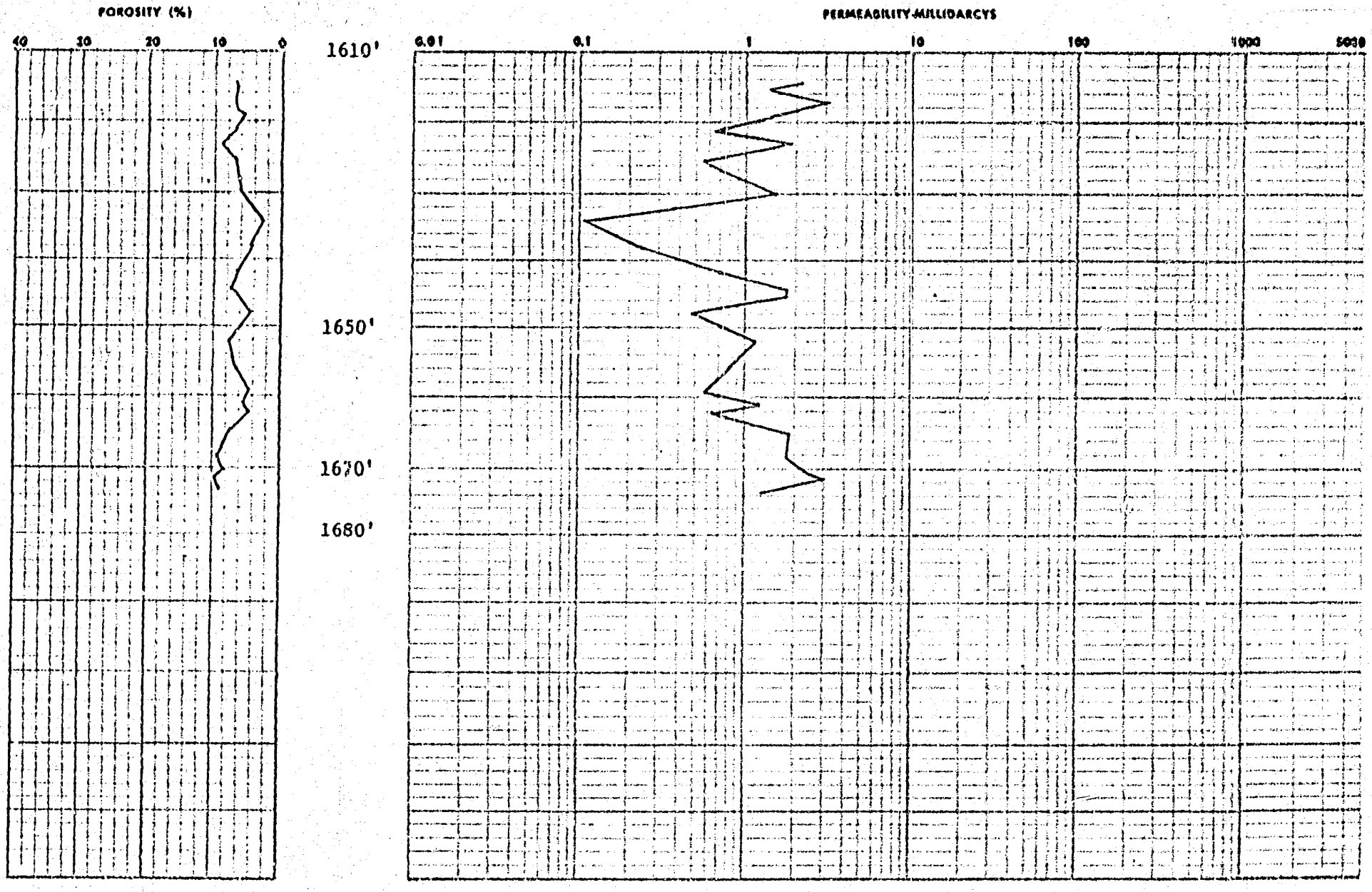
CCL-6

CANADA CORE ANALYSTS LTD.

CALGARY, ALBERTA

COMPANY CANADIAN SUPERIOR OIL LTD.
WELL CDN-SUP KMG JEAN MARIE J-52

PAGE 4
FILE CCL-70-039



CANADA CORE ANALYSTS LTD.
CALGARY, ALBERTA

VISUAL EXAMINATION ABBREVIATIONS

AST—Appears similar to

*—Broken Core
(K90° used for Summary purposes)

**—Permeability >30,000 md

.01- —Permeability <.01 md

.1- —Trace

V—Vugular

LV—Large Vugs

SV—Small Vugs

PPV—Pin Point Vugs

I—Intergranular

Sty—Stylolitic

HF—Horizontal Fracture

VF—Vertical Fracture

HC—Horizontal Cracks

VF—Vertical Cracks

Occ—Occasional

Sl/—Slightly

Do—Dolomitic

Foss—Fossiliferous

SP—Small Plug

FS—Fine Sand

MS—Medium Sand

CS—Coarse Sand

Cg—Conglomerate

Sh—Shale

Shy—Shaly

/Bk—Break

Lam—Laminations

Xln—Crystalline

Ca—Calcite

A—Anhydrite

Py—Pyrites

Bit—Pyrobitumen

Carb—Carbonaceous

Lmy—Limy

Ch—Chert

D Fe—Dense Ironstone

Bn—Bentonitic

Gl—Glauconitic

Ka—Kaolinitic

D—Dense

U—Unconsolidated

S—Stained

Canadian Superior Oil Ltd.

Can Sup KMG Jean Marie 61° 31' 30.00

Well Name and Designation 1300 251 00.00

2

Test No.

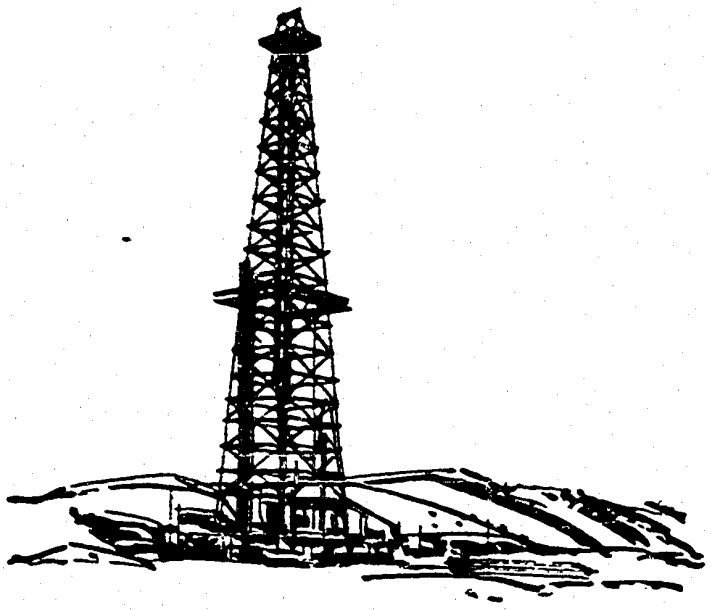
February 1, 1970

Date of Test

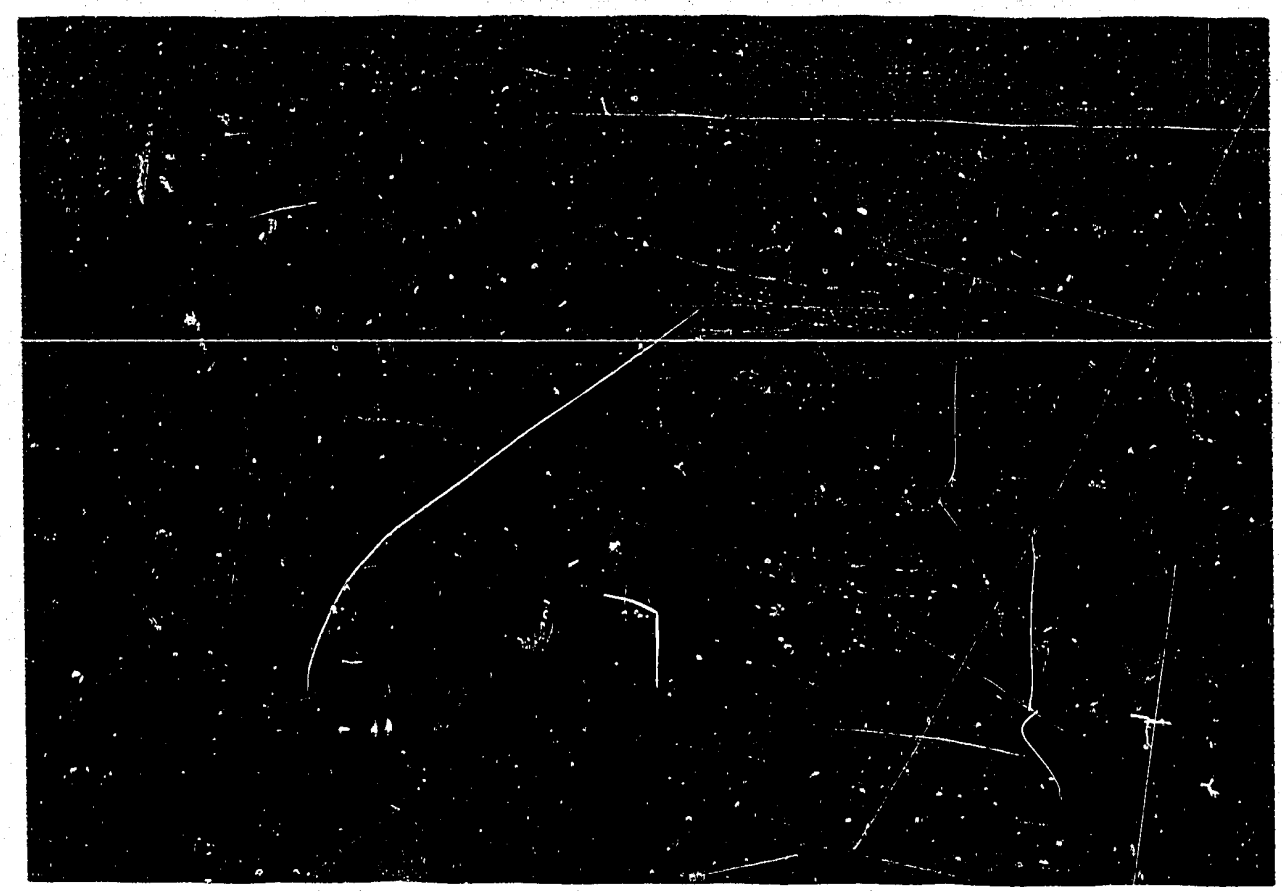
LYNES

BRIGHT NAME IN THE OIL PATCH

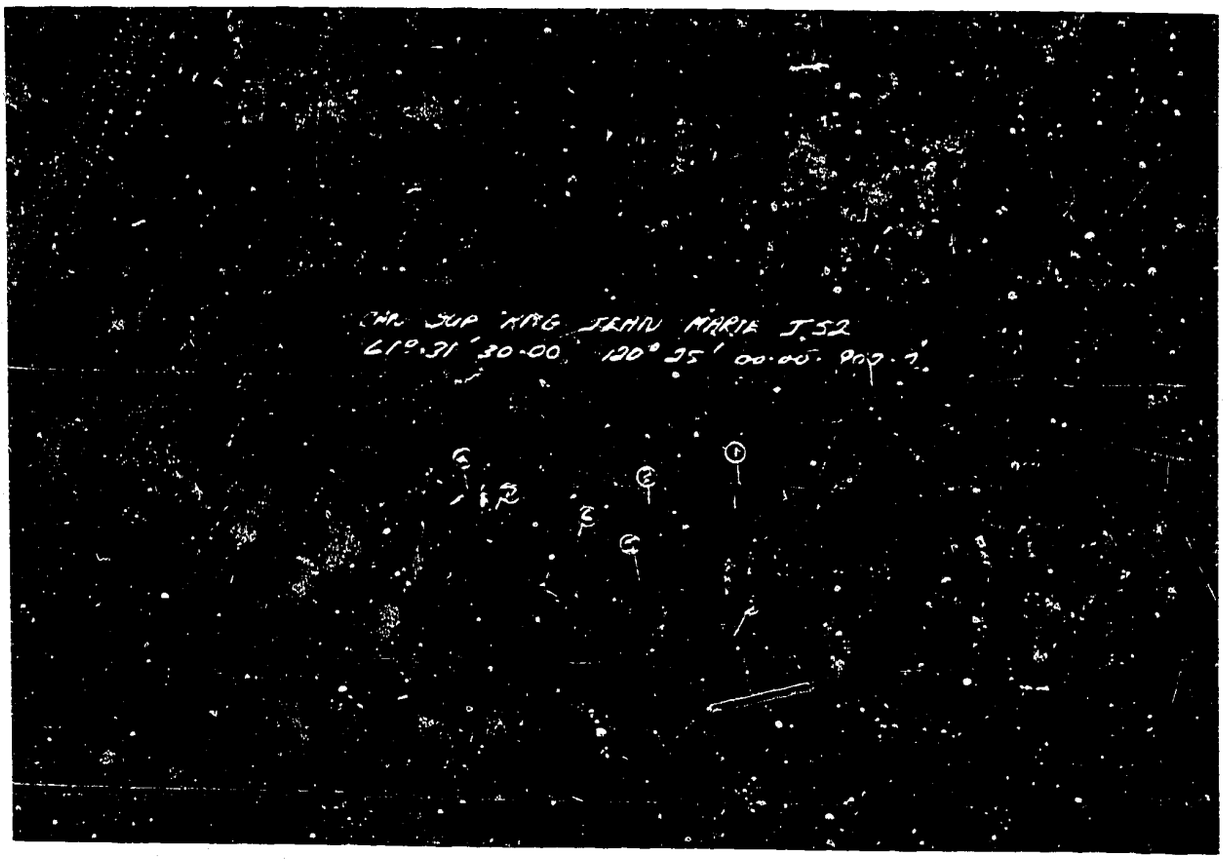
Inflatable and Conventional Packer Tools

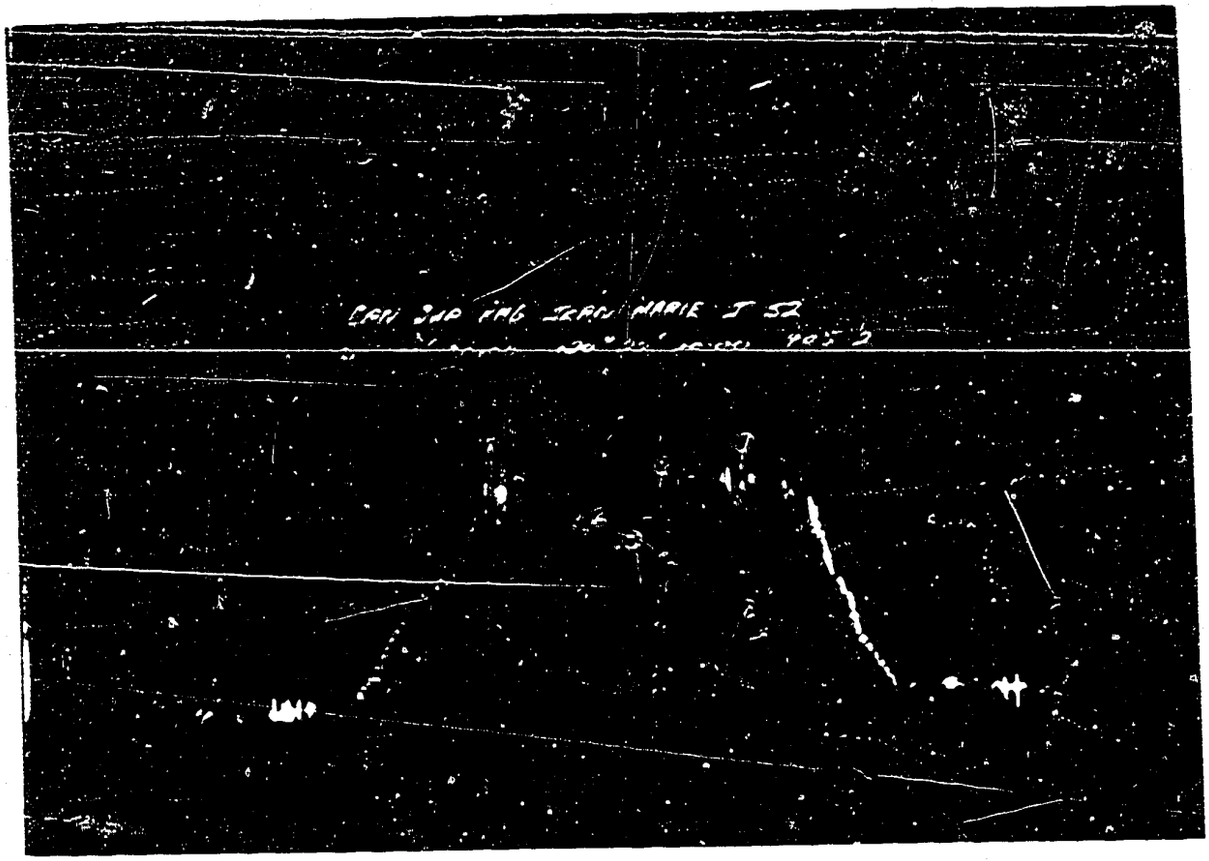


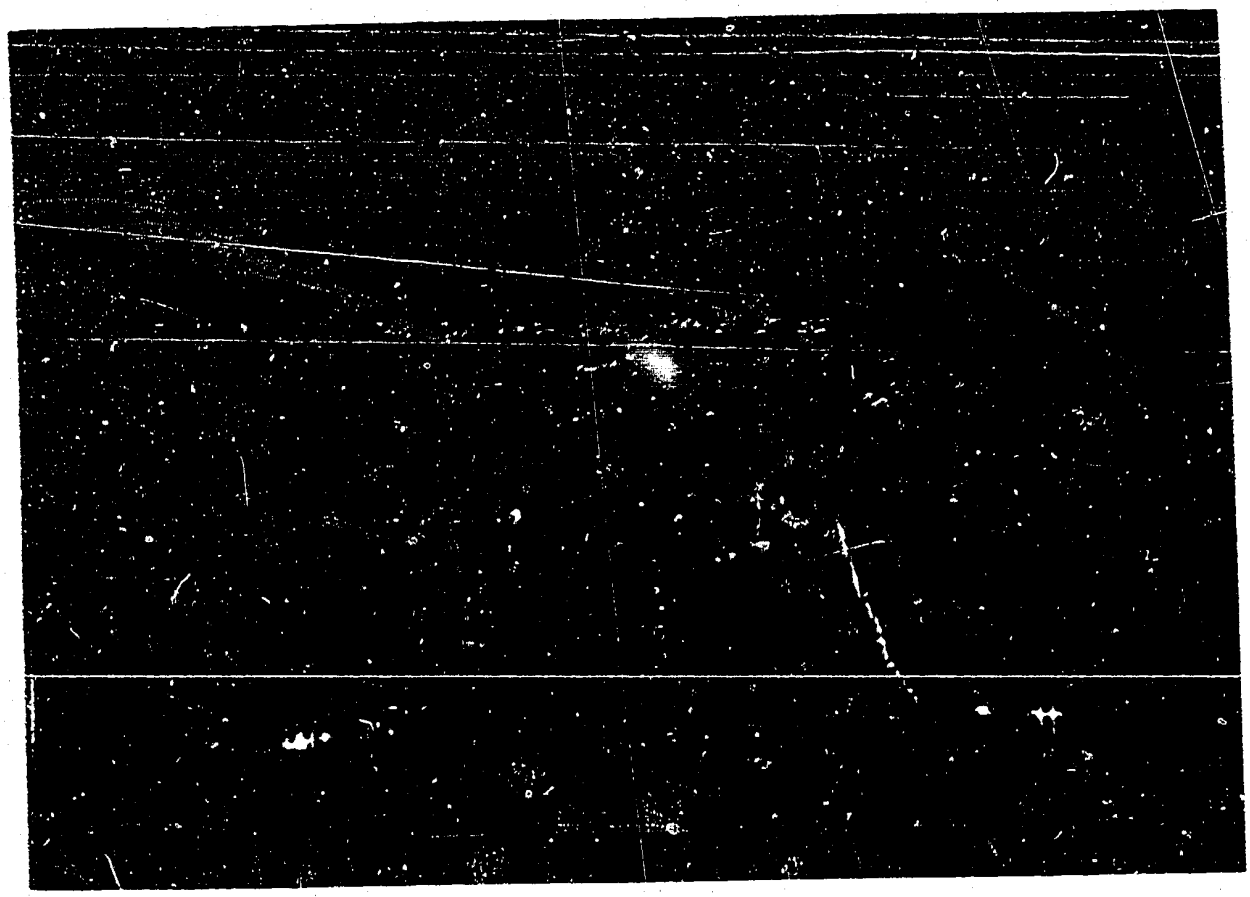
DRILL STEM TEST
TECHNICAL SERVICE REPORT



CAN SUP KMG JEAN MARIE J52
61° 31' 30.00 120° 25' 00.00 905-2


CAN SUP KMG JEAN MARIE J52
61° 31' 30.00 120° 25' 00.00 909-1





NOMENCLATURE (Definition of Symbols)

Q	=	average product or rate during test, bbls./day
Q_g	=	measured gas production rate during test, MCF/day
k	=	permeability, md
h	=	net pay thickness, ft. (when unknown, test interval is chosen)
μ	=	fluid viscosity, cent poise
Z	=	compressibility factor
T_r	=	reservoir temperature, ° Rankine
m	=	slope of final SIP buildup plot, psig/cycle (psig²/cycle for gas)
b	=	approximate radius of investigation, feet
r_w	=	wellbore radius, feet
t_p	=	total flowing time, minutes
P_e	=	Extrapolated maximum reservoir pressure, psig
P_f	=	final flowing pressure, psig
P.I.	=	productivity index, bbls./day/psi
$P.I._t$	=	theoretical productivity index with damage removed, bbl./day/psi
D.R.	=	damage ratio
E.D.R.	=	estimated damage ratio
AOF	=	absolute open flow potential, MCF/D
AOF_t	=	theoretical absolute open flow if damage were removed
Z	=	subsea depth
W	=	water gradient based on salinity
H_w	=	potentiometric surface

In making any interpretation, our employees will give Customer the benefit of their best judgment as to the correct interpretation. Nevertheless, since all interpretations are opinions based on inferences from electrical, mechanical or other measurements, we cannot, and do not, guarantee the accuracy or correctness of any interpretations, and we shall not be liable or responsible, except in the case of gross or wilful negligence on our part, for any loss, costs, damages or expenses incurred or sustained by Customer resulting from any interpretation made by any of our agents or employees.

DEFINITION OF SYMBOLS

Recorder Depth 1608 ft. Subsea depth ft. Ticket No. 0835 Hour Recorder No. 908

t_o = 5 Mins. Initial Shut-In Pressure				Second Flow Pressure		t_o = 55 Mins. Final Shut-In Pressure			
Time, Min. Ø	$\frac{t_o + Ø}{Ø}$	PSIG	PSIG² ÷10⁶ (Gas)	Time Defl. .000"	PSIG	Time, Min. Ø	$\frac{t_o + Ø}{Ø}$	PSIG	PSIG² ÷10⁶ (Gas)
0	-----	714				0	-----	594	
5	2.000	633				5	14.000	643	
10	1.500	672				10	7.500	659	
15	1.333	689				15	5.333	670	
20	1.250	700				20	4.250	678	
25	1.200	705				25	3.600	684	
30	1.167	711				30	3.167	689	
35	1.143	715				35	2.857	692	
40	1.125	717				40	2.625	696	
45	1.111	721				45	2.444	700	
50	1.100	723				50	2.300	702	
55	1.091	724				55	2.182	704	
60	1.083	725				60	2.083	705	

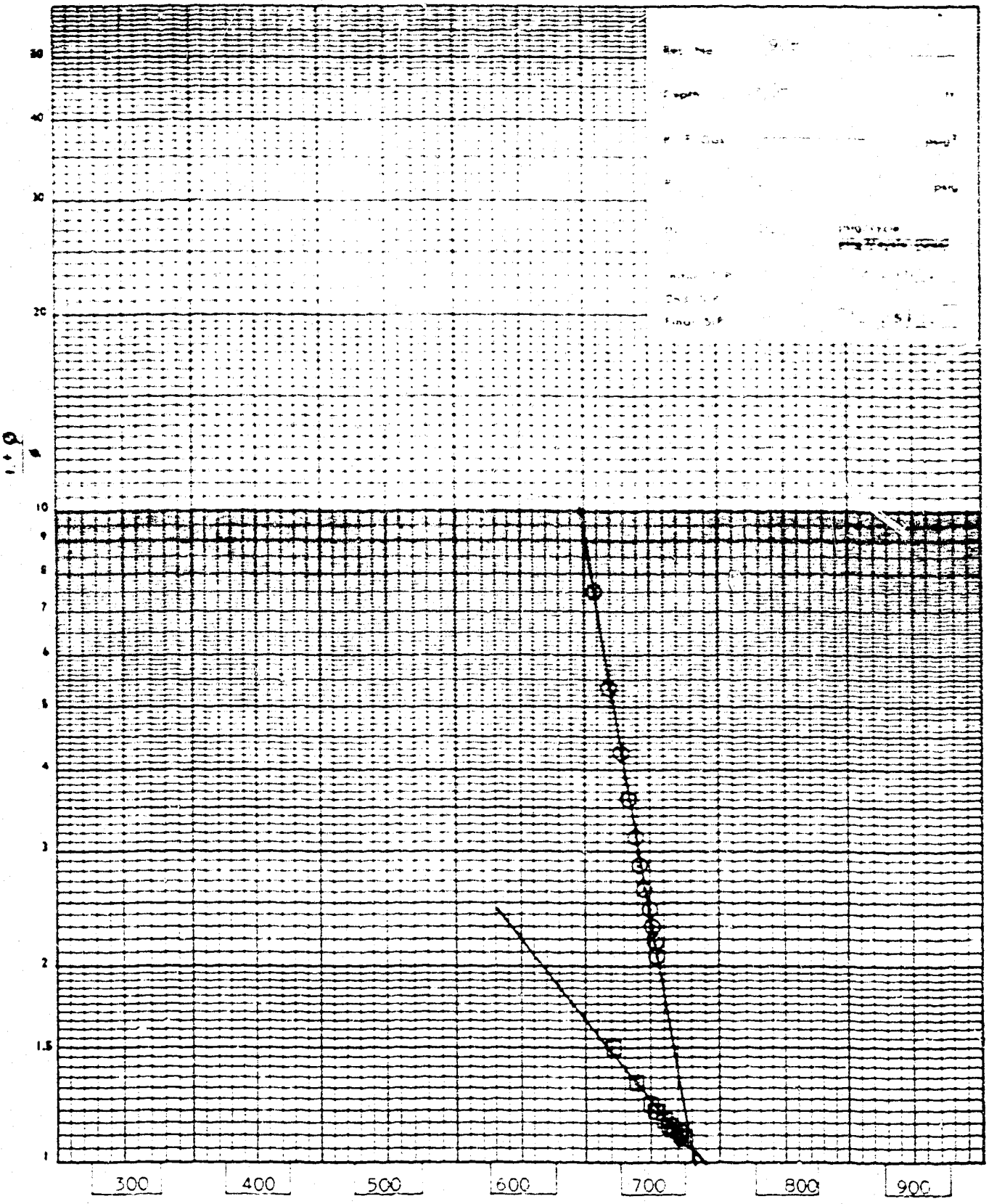
Recorder Depth ft. Subsea depth ft. Ticket No. Hour Recorder No.

t_o = Mins. Initial Shut-In Pressure				Second Flow Pressure		t_o = Mins. Final Shut-In Pressure			
Time, Min. Ø	$\frac{t_o + Ø}{Ø}$	PSIG	PSIG² ÷10⁶ Ø	Time Defl. .000"	PSIG	Time, Min. Ø	$\frac{t_o + Ø}{Ø}$	PSIG	PSIG² ÷10⁶ (Gas)

Interval of Pressure Readings (Mins.) ISIP 5 2nd Flow Press. FSIP 5

Remarks: DST # 2

PRESSURE DATA



PSIG (OIL OR WATER) DST # 2

PRESSURE EXTRAPOLATION PLOT

LYNES UNITED SERVICES LTD.

TEST DATA

Test No. 2 Lynes Test 2

Formation Hume T.D. 1910 Ft.

Interval Tested 1625 Ft. to 1910 Ft.

Feet of Net Pay Tested 291 Ft.

Type of Test Bottom Hole Conventional

Cushion nil Amount Ft.

Started in Hole at 3:30 Hrs. Tool Open at 6:15 Hrs.

Pre-Flow 5 Mins. Initial Shut-in 60 Mins.

2nd Flow Mins. Second Shut-in Mins.

Final Flow 60 Mins. Final Shut-in 60 Mins.

Remarks:

Blow: Good initial puff. Steady air blow throughout the test.

GENERAL INFORMATION

Company: Canadian Superior Oil Ltd

Address: 703 - Sixth Avenue S.W. Calgary, Alberta

Well Name: Can Sup KMG Jean Marie J52

Well Number: 61° 31' 30.00 120° 25' 00.00

K.B. Elevation: 632 Sub-Sea Elevation

Area: Ft. Simpson Province: N.W.T.

Company Rep: Gordon Berthiaume

Tester: Tom Armagost

Contractor: Beaver #3 Rig No. 3

Ticket No: 0835 Date: February 1, 1970

Service Reports To: 10 - above address

GAS BLOW MEASUREMENTS

Measured with

Time	Surface Choke	Reading Inches	Cubic Feet/Day

MUD AND HOLE DATA

Mud Type: Gle Chem

Weight: 9.7 Viscosity: 82 Water Loss: 10.6

Filter Cake: 2/32" Bottom Hole Temperature: 98

Drill Pipe Size: 4 1/2" EXH Weight: 16.60

Drill Collars: 4 1/2" H90 I.D. Feet Run: 321

Main Hole or Casing Size: 8 3/4"

Rathole or Liner Size: 7 3/4" No. of feet: 302

Bottom Hole Choke Size: 1/2"

Surface Choke Size: 1"

Packer Rubber Size: 7" Bobtail

REMARKS

Shut-in pressures suggest average permeability within the interval tested.

RECOVERY

TOTAL FLUID RECOVERED 1100 Ft. Consisting of:

540 Ft. of Drilling mud

560 Ft. of Slightly gassy salt water

Ft. of

Ft. of

Test was/was not Reverse Circulated

Oil Recovery A.P.I. Water Specific Gravity

Salinity 190,000 PPM

PRESSURE READINGS

	Inside X Outside	Inside Outside X	Inside Outside X	Inside Outside
Recorder No.	908	902	905	
Capacity	3700	3300	2700	
Depth	1608	1656	1662	

NUMBER KEY:				
1 - INITIAL HYDROSTATIC	770	793	788	
2 - PRE-FLOW	214	233	246	
3 - INITIAL SHUT-IN	725	748	749	
4a - 2nd INITIAL FLOW				
4b - 2nd FINAL FLOW				
4c - 2nd SHUT-IN				
5 - 3rd INITIAL FLOW	275	310	293	
6 - FINAL FLOW	594	616	620	
7 - FINAL SHUT-IN	705	732	732	
8 - FINAL HYDROSTATIC	770	793	792	

Company: Canadian Superior Oil Ltd.

Well Name and Description: Can Sup KMG Jean Marie 61° 31' 30.00 120° 25' 00.00

Test No.: 2

Date of Test: February 1, 1970

CONVENTIONAL DRILL STEM TEST

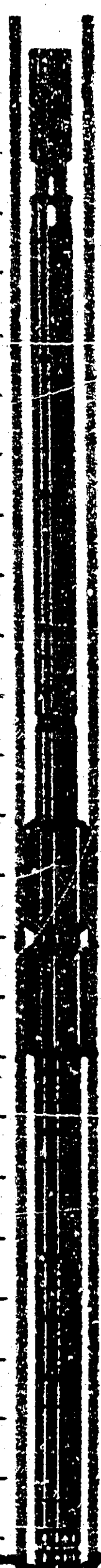
LYNES

FOR COMPANY Canadian Superior Oil Ltd. WELL NAME AND NUMBER Can Sup KMG Jean Marie J 52

TEST No. 2 INTERVAL TESTED 1625 to 1916 TOTAL DEPTH 1916

TOOL	LENGTH	O.D.
TOP PACKER SEAL DEPTH		
BOTTOM PACKER SEAL DEPTH		

STRADDLE TESTER TOTAL DEPTH



TOOL	LENGTH	O.D.
Pump out sub		
change over	2.20	
shut-in tool	8.52	
Hyd tool	4.82	
Jars	4.60	
Recorder	4.50	
Sfty jt	1.98	
Packers	11.20	
PACKER SEAL DEPTH	1625	
stk dwn	1.11	
Recorders	9.00	
Perfs	26.70	
Drill pipe	248.89'	
sub	1.54	
Bull Nose	3.20	

BOTTOM HOLE TESTER TOTAL DEPTH 1916

CONVENTIONAL DRILL STEM TESTING

Dependable Testing Service With

MULTIPLE FLOWS AND SHUT-INS

SURFACE CHART RECORDINGS OF GAS FLOWS

BOTTOM HOLE SAMPLES OBTAINED

RESERVOIR PRESSURE INTERPRETATION

A CHOICE OF EQUIPMENT AVAILABLE FOR TIGHT HOLE TESTING

RUGGED HIGH PRESSURE SURFACE EQUIPMENT WITH POSITIVE REMOTE CONTROL

PIPE TALLY

BELOW BOTTOM PACKER SEAL 290.44

BETWEEN PACKER SEALS

TOOL ABOVE PACKER SEAL 37.82

SUBS, TIGHT HOLE, EQU., ETC.

DRILL COLLARS

DRILL PIPE

TOTAL STRING

TOTAL DEPTH

TOP SINGLE ABOVE TABLE

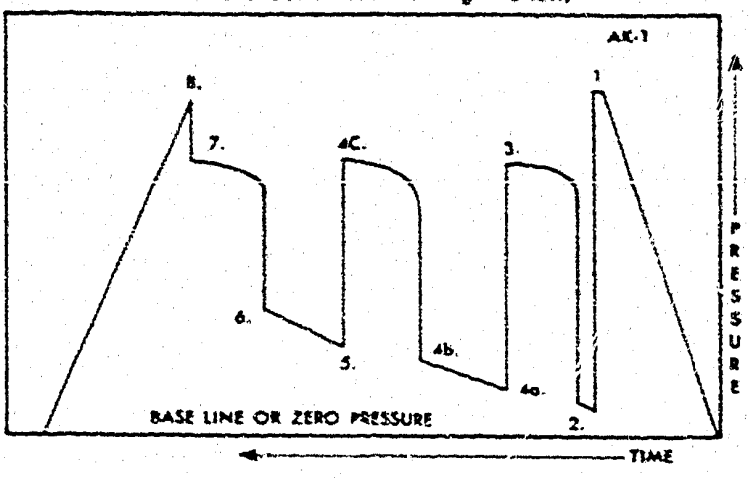
REMARKS: Total test tool 79.37

TOTAL LENGTH OF TESTING EQUIPMENT IN THE HOLE.

LYNES

GUIDE TO INTERPRETATION AND IDENTIFICATION OF LYNES DRILL STEM TEST PRESSURE CHARTS

AK-1 recorders. Read from right to left.

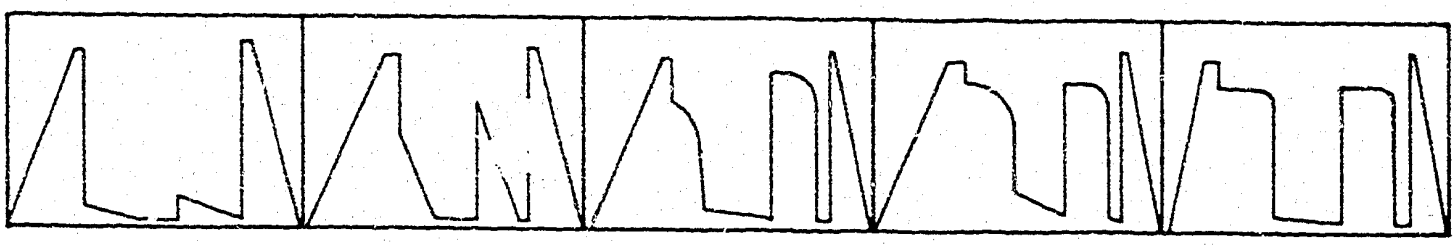


K-3 recorders. Read from left to right.

1. INITIAL HYDROSTATIC MUD PRESSURE
2. PRE-FLOW
3. INITIAL SHUT-IN
4a. 2nd INITIAL FLOW
4b. 2nd FINAL FLOW
4c. 2nd SHUT-IN
5. 3rd INITIAL FLOW
6. FINAL FLOW
7. FINAL SHUT-IN
8. FINAL HYDROSTATIC MUD PRESSURE

N.B. When only two shut-in and flow periods are run, 4a, 4b and 4c are omitted.

Typical charts for visual field analysis ranging from very low to high permeability.



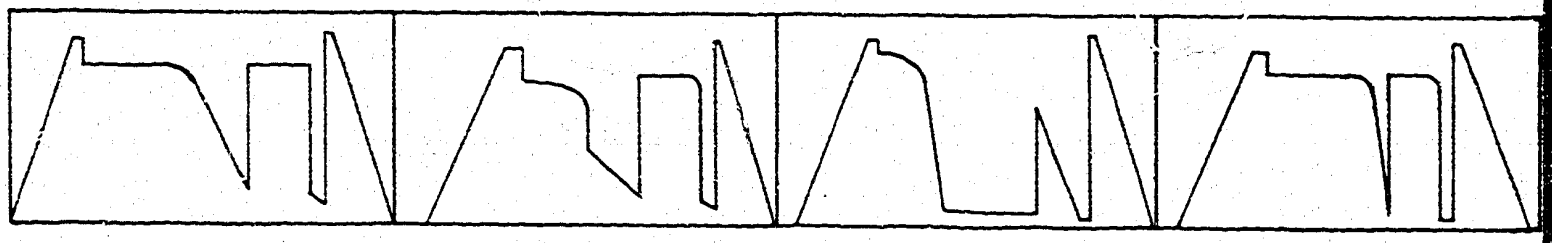
Very low permeability. Usually only mud recovered from interval tested. Virtually no permeability.

Slightly higher permeability. Again usually mud recovered.

Slightly higher permeability. Small recovery, less than 200' ft.

Average permeability. Final and initial shut-ins differ by 50 psi.

Average permeability. Strong damage effect. High shut-in pressure, low flow pressure.



Excellent permeability where final flow final shut-in pressure.

High permeability where ISIP and FSIP are within 10 psi.

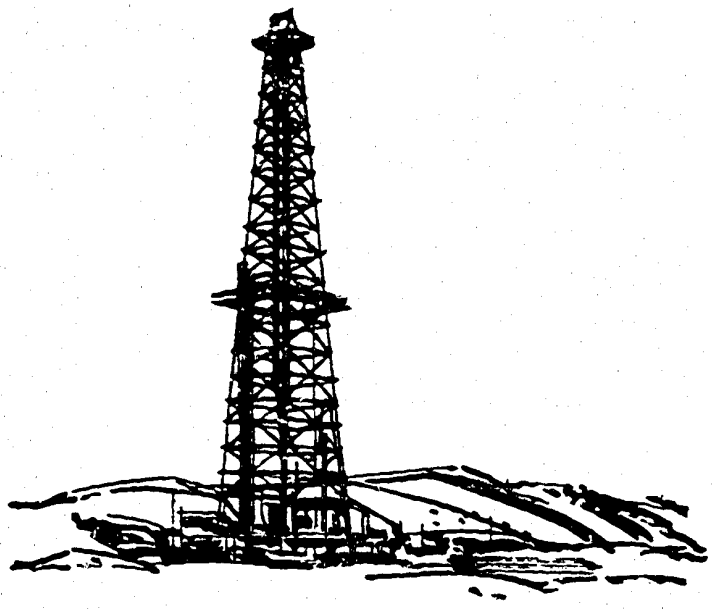
Deep well bore invasion or damage. Final shut-in higher than the initial shut-in.

Tight hole chamber tester. Permeability very difficult to interpret unless the recovery is less than chamber length. Flow pressure builds up rapidly if recovery is large, similar to a shut-in.

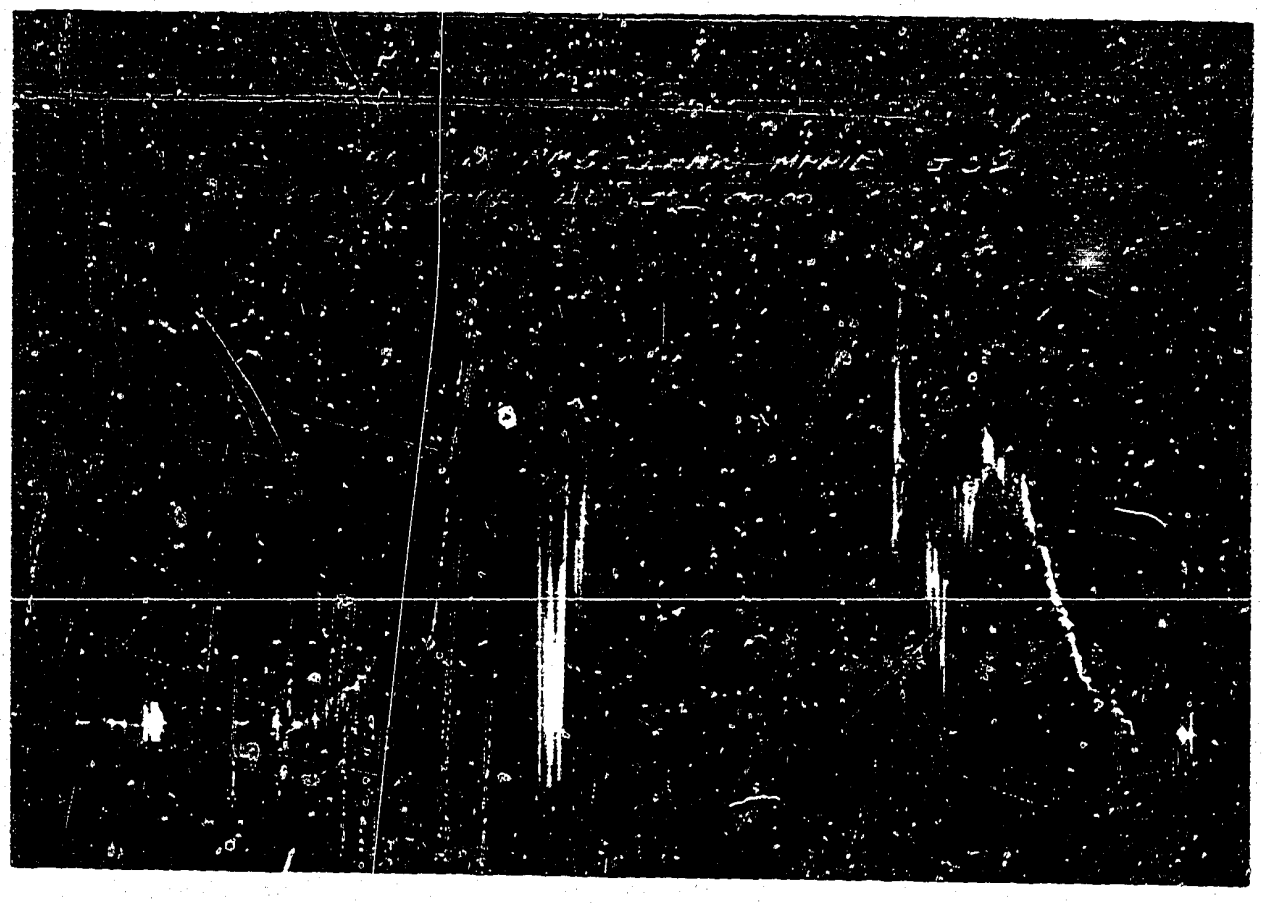
LYNES

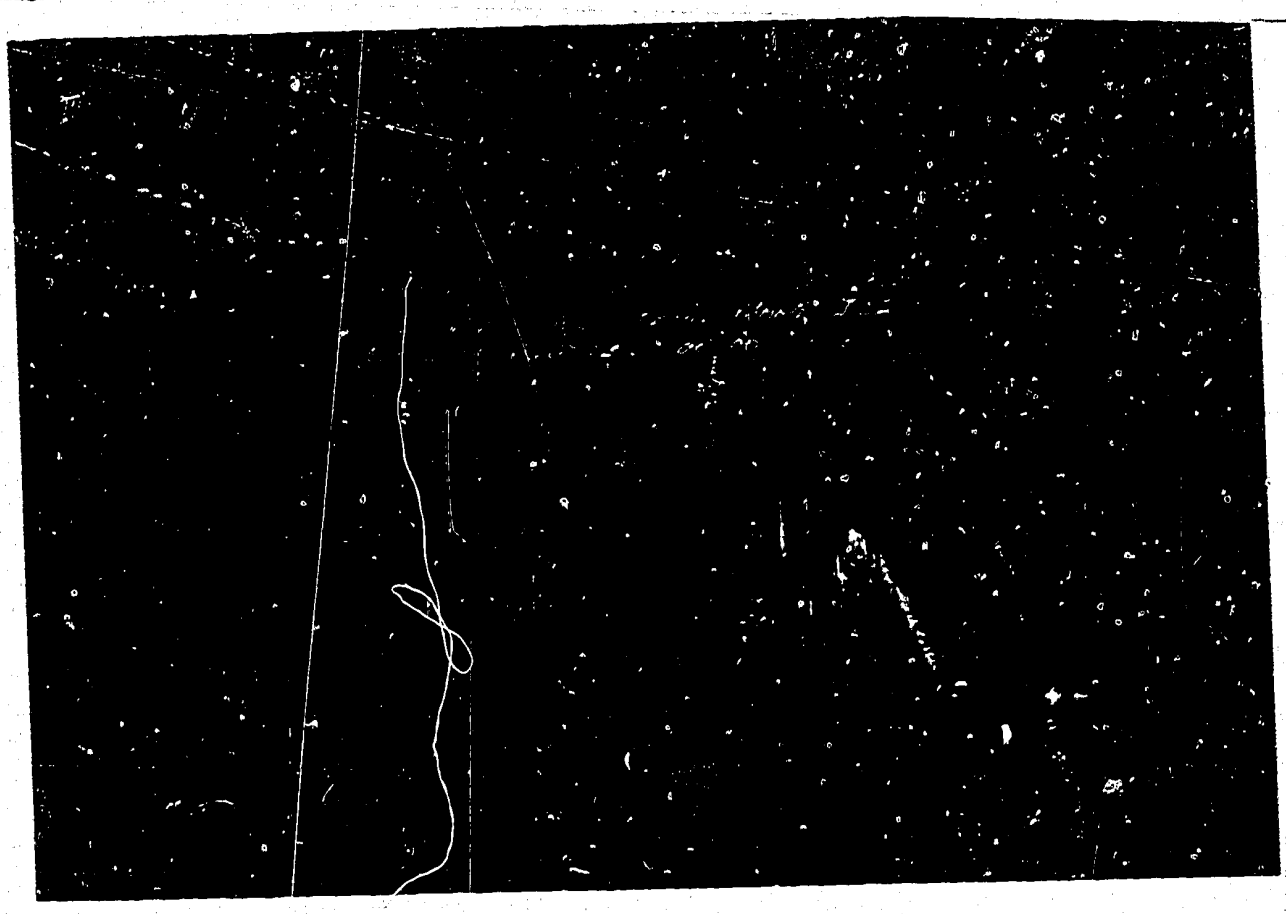
BRIGHT NAME IN THE OIL PATCH

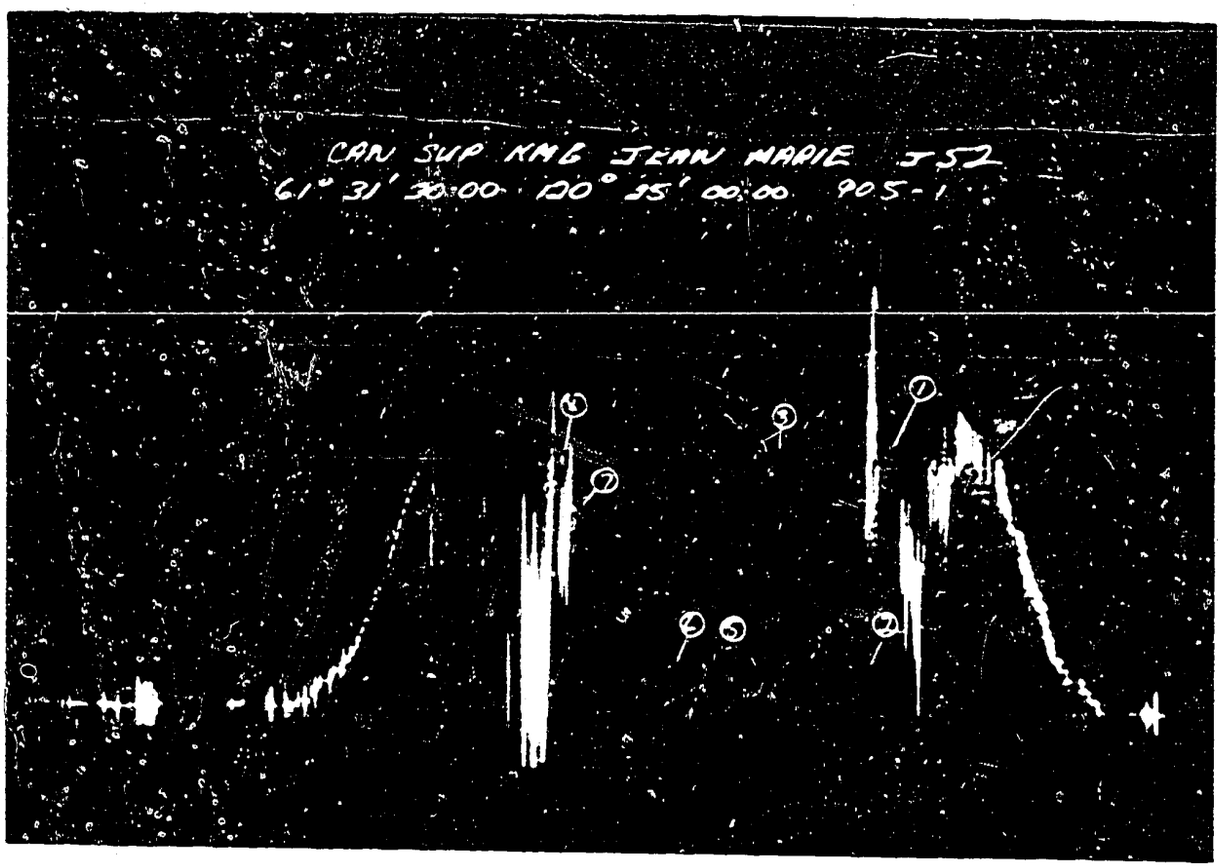
Inflatable and Conventional Packer Tools

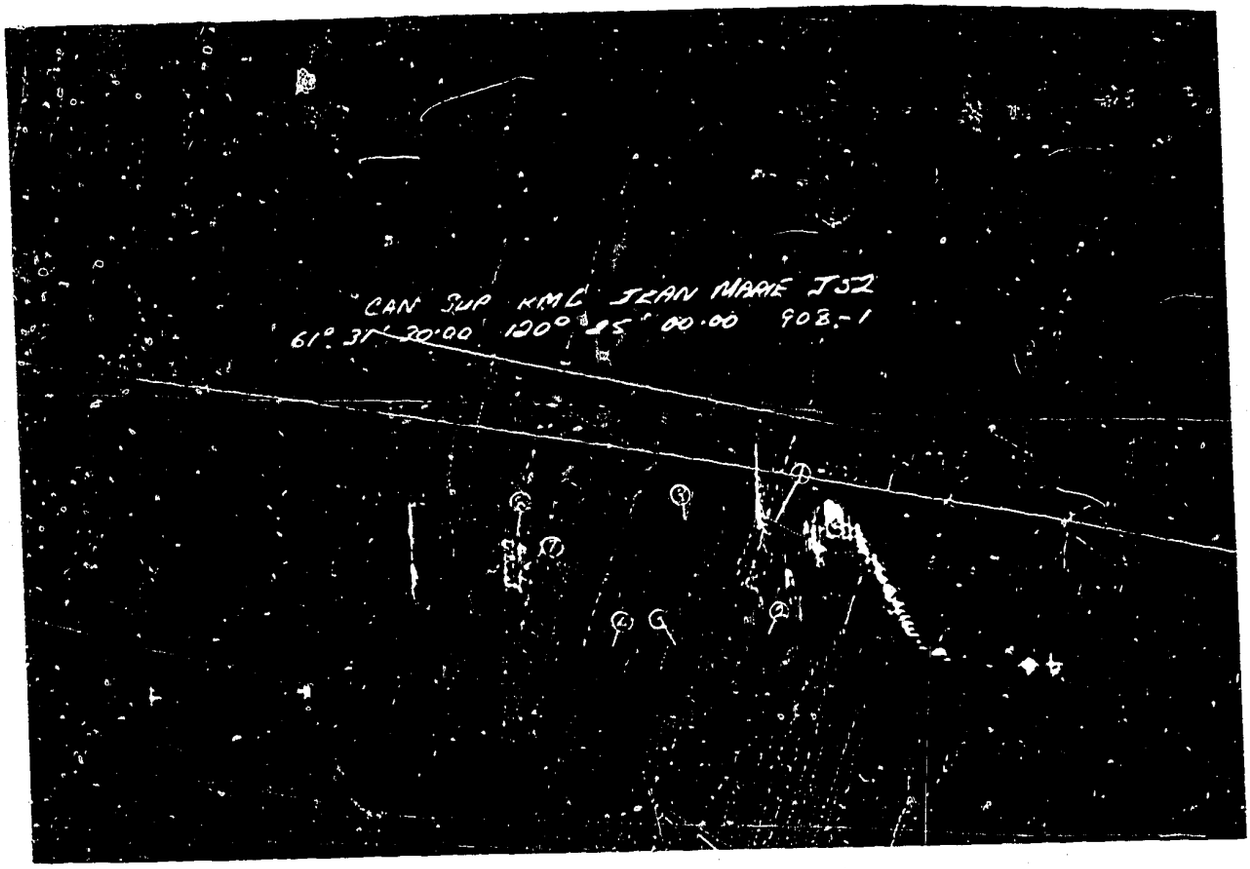


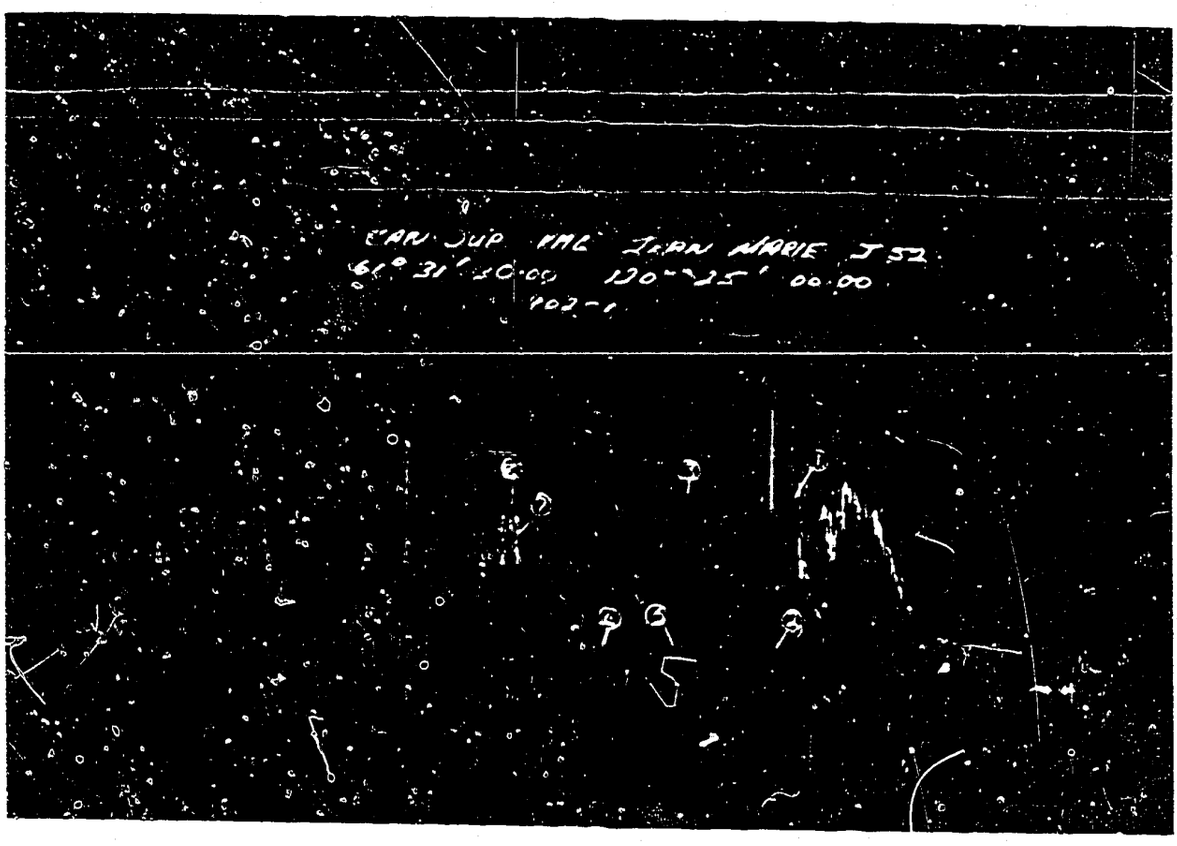
DRILL STEM TEST
TECHNICAL SERVICE REPORT

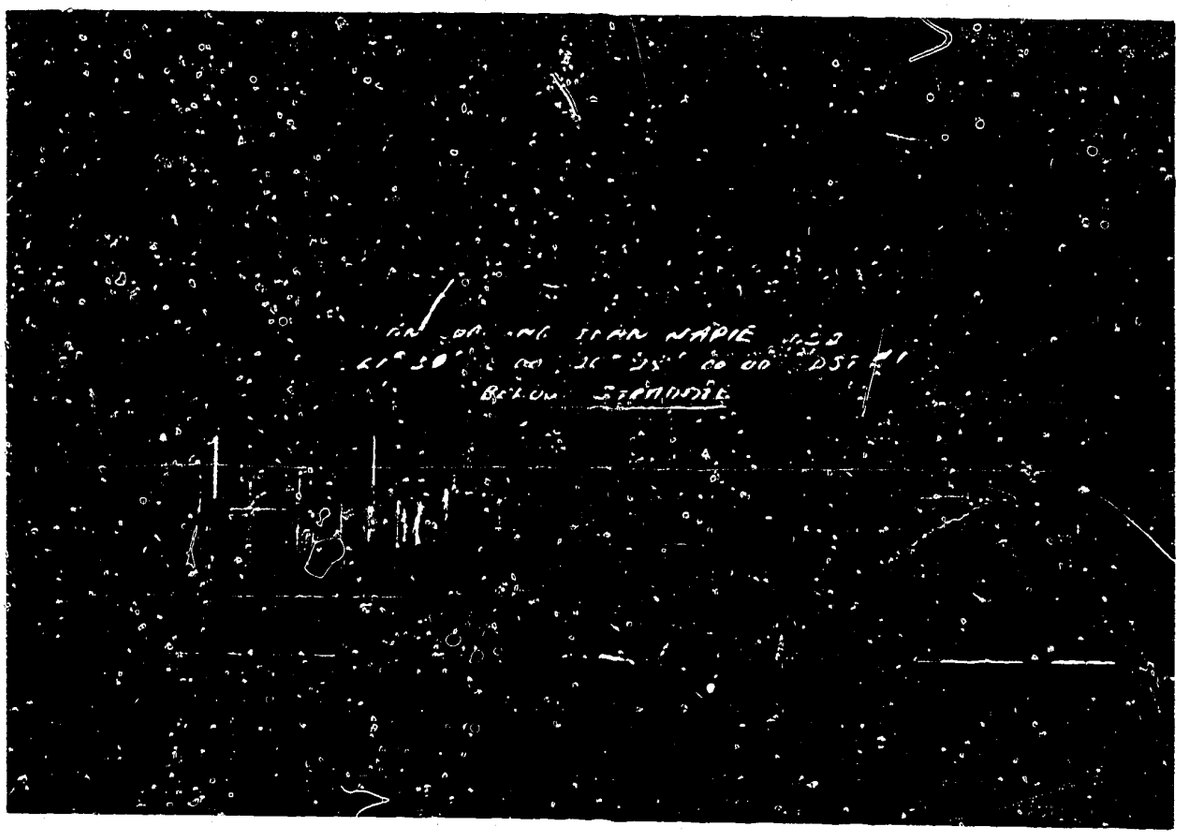





CAN SUP KMC JEAN MARIE JS2
61° 31' 30.00 120° 35' 00.00 905-1


CAN SUP KMC JEAN MARIE JS2
61° 31' 20.00 120° 35' 00.00 908-1


EAN JUP MAC JEAN MARIE J 52
61° 31' 20.00 120° 35' 00.00
1021-1


JEAN MARIE
BELUGA

NOMENCLATURE (Definition of Symbols)

Q	=	average product on rate during test, bbls./day
Q_g	=	measured gas product on rate during test, MCF/day
k	=	permeability, md
h	=	net pay thickness, ft. (when unknown, test interval is chosen)
μ	=	fluid viscosity, centipoise
Z	=	compressibility factor
T_r	=	reservoir temperature, ° Rankine
m	=	slope of final SIP buildup plot, psig/cycle (psig²/cycle for gas)
b	=	approximate radius of investigation, feet
r_w	=	wellbore radius, feet
t_u	=	total flowing time, minutes
P_e	=	Extrapolated maximum reservoir pressure, psig
P_f	=	final flowing pressure, psig
P.I.	=	productivity index, bbls./day/psi
$P.I._t$	=	theoretical productivity index with damage removed, bbl./day/psi
D.R.	=	damage ratio
E.D.R.	=	estimated damage ratio
AOF	=	absolute open flow potential, MCF/D
AOF_t	=	theoretical absolute open flow if damage were removed
Z	=	subsea depth
W	=	water gradient based on salinity
H_w	=	potentiometric surface

In making any interpretation, our employees will give Customer the benefit of their best judgment as to the correct interpretation. Nevertheless, since all interpretations are opinions based on inferences from electrical, mechanical or other measurements, we cannot, and do not, guarantee the accuracy or correctness of any interpretations, and we shall not be liable or responsible, except in the case of gross or wilful negligence on our part, for any loss, costs, damages or expenses incurred or sustained by Customer resulting from any interpretation made by any of our agents or employees.

DEFINITION OF SYMBOLS

Recorder Depth 1594 ft. Subsea depth ft. Ticket No. 0836 Hour Recorder No. 905

t_o = x Mins. Initial Shut-In Pressure				Second Flow Pressure		t_o = x Mins. Final Shut-In Pressure			
Time, Min. Ø	$\frac{t_o + Ø}{Ø}$	PSIG	PSIG² ÷10⁶ (Geo)	Time Defl. .000"	PSIG	Time, Min. Ø	$\frac{t_o + Ø}{Ø}$	PSIG	PSIG² ÷10⁶ (Geo)
0	-------	98				0	-----	124	
5	1.600	445				5	13.600	156	
10	1.300	557				10	7.300	189	
15	1.200	613				15	5.200	230	
20	1.150	642				20	4.150	268	
25	1.120	660				25	3.520	318	
30	1.100	671				30	3.100	367	
35	1.086	681				35	2.800	416	
40	1.075	689				40	2.575	459	
45	1.067	695				45	2.400	501	
50	1.060	700				50	2.260	530	
55	1.055	703				55	2.145	557	
60	1.050	706				60	2.050	576	

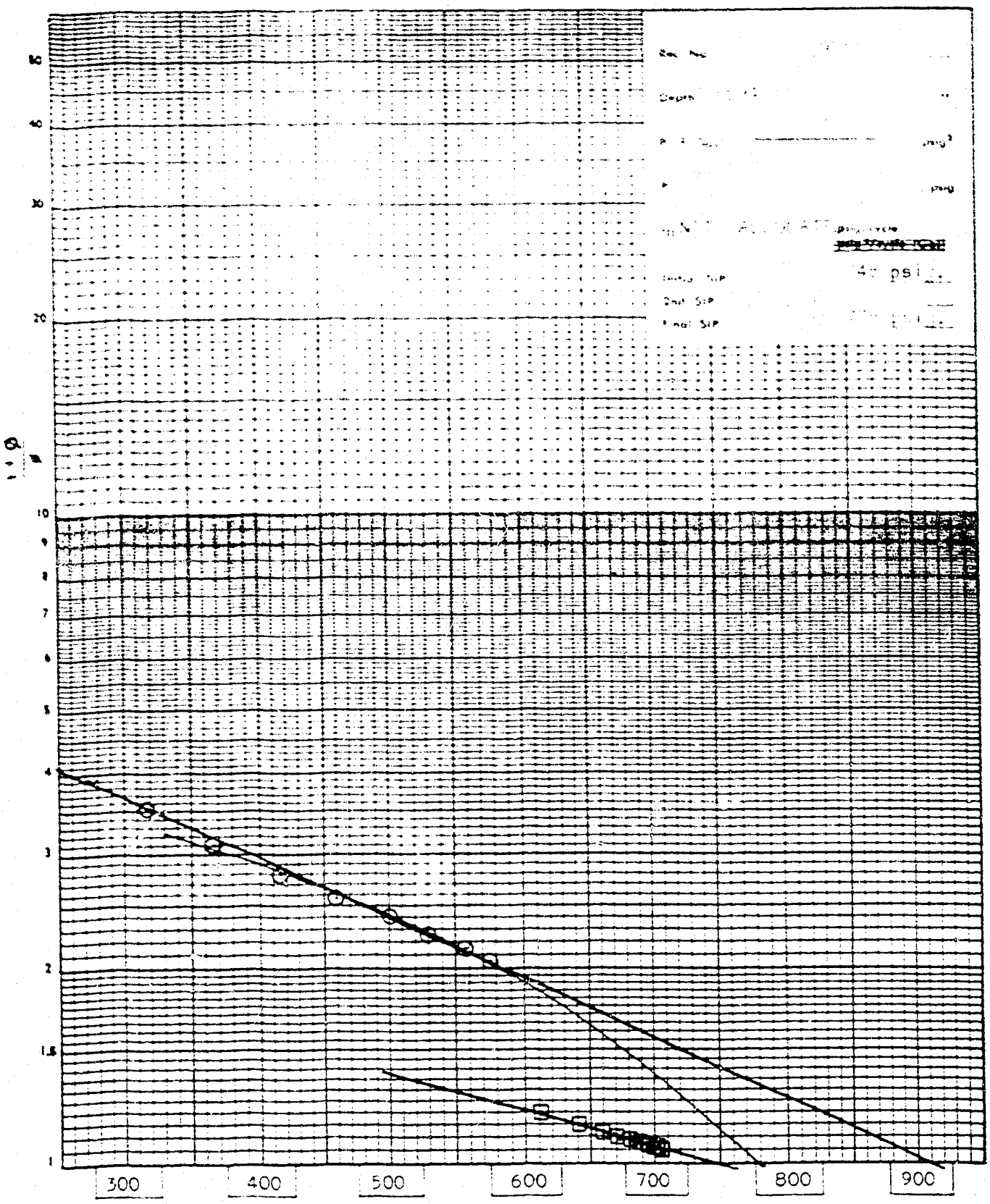
Recorder Depth ft. Subsea depth ft. Ticket No. Hour Recorder No.

t_o = Mins. Initial Shut-In Pressure				Second Flow Pressure		t_o = Mins. Final Shut-In Pressure			
Time, Min. Ø	$\frac{t_o + Ø}{Ø}$	PSIG	PSIG² ÷10⁶ Ø	Time Defl. .000"	PSIG	Time, Min. Ø	$\frac{t_o + Ø}{Ø}$	PSIG	PSIG² ÷10⁶ (Geo)

Interval of Pressure Readings (Mins.) ISIP 5 2nd Flow Press. - FSIP ----- 5

Remarks: DST # 1

PRESSURE DATA



PSIG (OIL OR WATER)

DST # 1

PRESSURE EXTRAPOLATION PLOT

LYNES UNITED SERVICES LTD.

TEST DATA

Test No. 1 — Lynes Test 1

Formation: Hume — T.D. 1674 Ft.

Interval Tested: 1612 Ft. to 1637 Ft.

Feet of Net Pay Tested: 25 Ft.

Type of Test: Conventional Straddle

Cushion: nil — Amount: Ft.

Started in Hole at: 6:15 Hrs. — Tool Open at: 8:55 Hrs.

Pre-Flow: 3 Mins. — Initial Shut-in: 60 Mins.

2nd Flow: Mins. — Second Shut-in: Mins.

Final Flow: 60 Mins. — Final Shut-in: 60 Mins.

Remarks: Tool skidded 20 feet to bottom after it was opened.

Blow: Fair initial puff. [redacted] weak in two minutes. Held steady but weak throughout the remainder of the test.

GENERAL INFORMATION

Company: Canadian Superior Oil Ltd.

Address: 701 - Sixth Avenue S.W.
Calgary, Alberta

Well Name: Can Sup KMG Jean Marie

Well Number: 61° 31' 30.00 120° 25' 00.00

K.B. Elevation: 532 — Sub-Sea Elevation:

Area: Ft Simpson — Province: N.W.T.

Company Rep: Gordon Berthiaume

Tester: Tom Armagost

Contractor: Beaver — Rig No. 3

Ticket No. 0834 — Date: January 30, 1970

Service Reports To:

10 - above address

GAS BLOW MEASUREMENTS

Measured with

Time	Surface Choke	Reading Inches	Cubic Feet/Day

MUD AND HOLE DATA

Mud Type: Gel Chem

Weight: 9.4 — Viscosity: 58 — Water Loss: 10.4

Filter Cake: 2/32" — Bottom Hole Temperature: 98

Drill Pipe Size: 4 1/2" EXH — Weight: 16.60

Drill Collars: 4 1/2"H90 I.D. — Feet Run: 329

Main Hole or Casing Size: 8 3/4"

Rathole or Liner Size: 7 7/8" — No. of Feet: 60

Bottom Hole Choke Size: 1/2"

Surface Choke Size: 1"

Packer Rubber Size: 7 3/4 and 7" Bobtail

REMARKS

Test was run with two 7" rubbers in the rat hole and two 7 3/4" rubbers up in the main hole. Shut-in pressures suggest low permeability within the interval tested.

RECOVERY

TOTAL FLUID RECOVERED: 270 Ft. Consisting of:

270 Ft. of Drilling mud

Ft. of

Ft. of

Ft. of

Test was/was not Reverse Circulated

Oil Recovery A.P.I. — Water Specific Gravity

Salinity

PRESSURE READINGS

	Inside X Outside	Inside Outside X	Inside Outside X	Inside Outside
Recorder No.	905	908	902	
Capacity	2700	3700	3400	
Depth	1594	1624	1628	

NUMBER KEY:				
1 - INITIAL HYDROSTATIC	706	713	713	
2 - PRE-FLOW	98	116	123	
3 - INITIAL SHUT-IN	706	712	716	
4a - 2nd INITIAL FLOW				
4b - 2nd FINAL FLOW				
4c - 2nd SHUT-IN				
5 - 3rd INITIAL FLOW	103	121	125	
6 - FINAL FLOW	124	136	138	
7 - FINAL SHUT-IN	576	578	586	
8 - FINAL HYDROSTATIC	706	713	713	

Company: Canadian Superior Oil Ltd.

Well Name and Description: Can Sup KMG Jean Marie J 52 61° 31' 30.00 120° 25' 00.00

Test No.: 1

Date of Test: January 30, 1970

CONVENTIONAL DRILL STEM TEST

LYNES

FOR COMPANY Canadian Superior Oil Ltd. WELL NAME AND NUMBER Can Sup KMG Jean Marie J 52

TEST No. 1 INTERVAL TESTED 1612 to 1637 TOTAL DEPTH 1674

TOOL	LENGTH	O.D.
Change over sub		
Pump out sub	2.20	
Shut-in tool	8.52	
Hyd tool	4.82	
Jars	4.60	
Recorder	4.50	
Sfty Jt	1.98	
Packers	11.20	
TOP PACKER SEAL DEPTH	1612	
Stk dwn	1.15	
Perfs	9.95	
Recorders	9.00	
Blankoff	2.02	
Stk up	3.20	
BOTTOM PACKER SEAL DEPTH	1637	
Packers	9.20	
Perfs	24.62	
Bull Nose	3.20	

TOOL	LENGTH	O.D.

PACKER S DEPTH

STRADDLE TESTER _____ TOTAL DEPTH _____

BOTTOM HOLE TESTER _____ TOTAL DEPTH _____

CONVENTIONAL DRILL STEM TESTING

Dependable Testing Service With

MULTIPLE FLOWS AND SHUT-INS

SURFACE CHART RECORDINGS OF GAS FLOWS

BOTTOM HOLE SAMPLES OBTAINED

RESERVOIR PRESSURE INTERPRETATION

A CHOICE OF EQUIPMENT AVAILABLE FOR TIGHT HOLE TESTING

RUGGED HIGH PRESSURE SURFACE EQUIPMENT WITH POSITIVE REMOTE CONTROL

PIPE TALLY

BELOW BOTTOM PACKER SEAL 37.02

BETWEEN PACKER SEALS 25.32

TOOL ABOVE PACKER SEAL 37.82

SUBS, TIGHT HOLE, EQU., ETC.

DRILL COLLARS

DRILL PIPE

TOTAL STRING

TOTAL DEPTH

TOP SINGLE ABOVE TABLE

REMARKS: Total tool 100 lb.

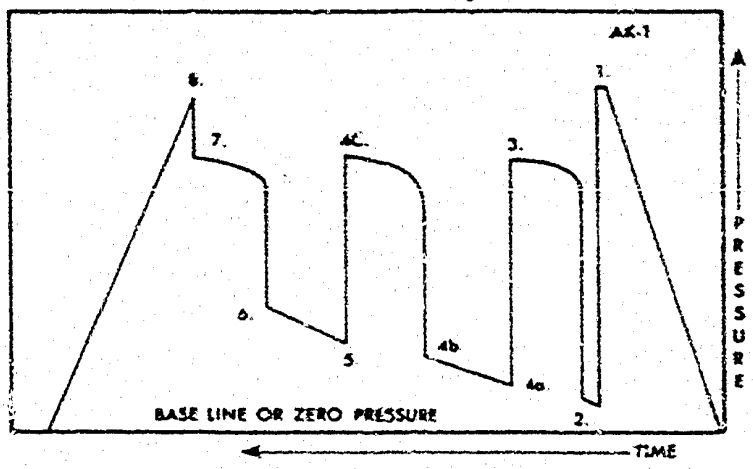
26 feet up on last single.

TOTAL LENGTH OF TESTING EQUIPMENT IN THE HOLE

LYNES

GUIDE TO INTERPRETATION AND IDENTIFICATION OF LYNES DRILL STEM TEST PRESSURE CHARTS

AK-1 recorders. Read from right to left.

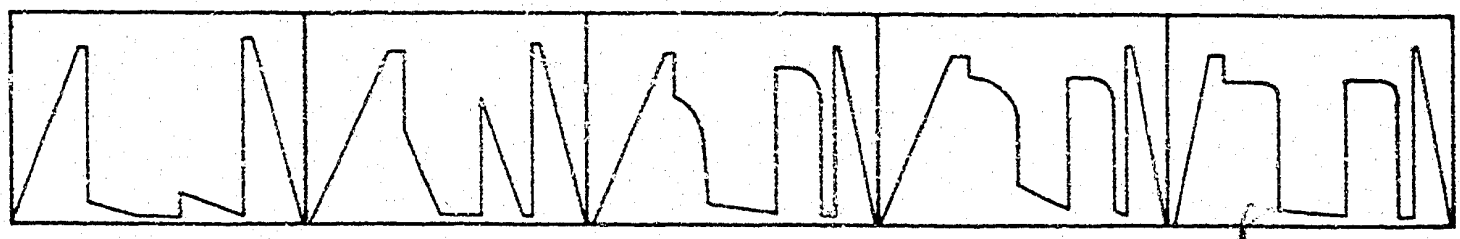


K-3 recorders. Read from left to right.

1. INITIAL HYDROSTATIC MUD PRESSURE
2. PRE-FLOW
3. INITIAL SHUT-IN
4a. 2nd INITIAL FLOW
4b. 2nd FINAL FLOW
4c. 2nd SHUT-IN
5. 3rd INITIAL FLOW
6. FINAL FLOW
7. FINAL SHUT-IN
8. FINAL HYDROSTATIC MUD PRESSURE

N.B. When only two shut-in and flow periods are run, 4a, 4b and 4c are omitted.

Typical charts for visual field analysis ranging from very low to high permeability.



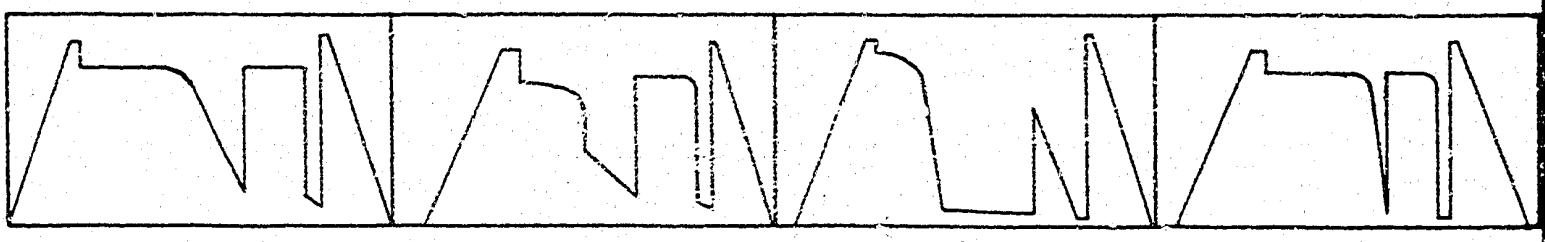
Very low permeability. Usually only mud recovered from interval tested. Virtually no permeability.

Slightly higher permeability. Again usually mud recovered.

Slightly higher permeability. Small recovery, less than 200' ft).

Average permeability. Final and initial shut-ins differ by 50 psi.

Average permeability. Strong damage effect. High shut-in pressure, low flow pressure.



Excellent permeability where final flow final shut-in pressure.

High permeability where ISIP and FSIP are within 10 psi.

Deep well bore invasion or damage. Final shut-in higher than the initial shut-in.

Tight hole chamber tester. Permeability very difficult to interpret unless the recovery is less than chamber length. Flow pressure builds up rapidly if recovery is large, similar to a shut-in.

BEAVER DRILLING LTD.

DAILY DRILLING LOG

RIG NO. 3 LOCATION CAN SUP KMG JEAN MARIE LSD. SEC. J TWP 52 RGE. W. RIG NO. 3

DIRECTIONS TO WELL MAILING POINT SHIPPING POINT MILES MOVED DATE JAN 23 1967 DATE JAN 23 1970

TOUR MIDNIGHT TO 8 AM

From	Footage	To	Hrs. on Bottom	Hook Load	Stands	Singles	LENGTH	Drill Collars	No.	O.D.	LENGTH

B.I.T.S.	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Feet Drilled Reamed/Cored	Hrs.	T	B	G	BIT INTERVAL

MUD	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.
WEIGHT					No. 1 PRESSURE					No. 2 PRESSURE				
VISCOSITY					MODEL S.P.M.					MODEL S.P.M.				
GEL					LINER SIZE					LINER SIZE				

W.L. F.C. pH. GENERAL:

ADDITIVES: Saw Dust # 12 SACS

STRING TOTALS	
D. Pipe	
D. Collars	
Subs Etc.	
Kelly In.	
Depth	

MOTOR HOURS	Next Oil Change
1 52	
2 52	
3 52	
4 52	
5 52	

SURVEYS: At Feet / Degrees

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Feet Slip or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1	Dom	7-2776	5	-	-		50 : 100	18,967	JAN 22	19467	2300

REMARKS	TIME START	STOP	INTVL.
RIGGING UP DIGGING DITCHES E WRITTEN WATER	12:00	4:30	4½
DIGGING MOUSE HOLE E RAT HOLE	4:30	8:00	3½
			8

E. Cooper DRILLER'S SIGNATURE

Tour — Midnight - 8 a.m.

Specify actual hours worked	Hrs.
Driller E. COOPER	8
Derrick W. MACKINNON	8
Motor R. ONDERYCHUK	8
Floor P. ARMINKO	8
Floor J. OLSEN	8
Floor	

Injuries:

Fires:

TOUR 8 AM TO 4 PM

From	Footage	To	Hrs. on Bottom	Hook Load	Stands	Singles	LENGTH	Drill Collars	No.	O.D.	LENGTH
0	20	20	1	10M							

B.I.T.S.	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Feet Drilled Reamed/Cored	Hrs.	T	B	G	BIT INTERVAL
1	1A	15"	Hard	OSC3	12039	8M	40	20	1	RUNNING			0 20

MUD	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.
WEIGHT					No. 1 PRESSURE					No. 2 PRESSURE				
VISCOSITY					MODEL S.P.M.					MODEL S.P.M.				
GEL					LINER SIZE					LINER SIZE				

W.L. F.C. pH. GENERAL:

ADDITIVES:

STRING TOTALS	
D. Pipe	
D. Collars	
Subs Etc.	5.15
Kelly In.	15.00
Depth	20.15

MOTOR HOURS	Next Oil Change
1 60	
2 60	
3 60	
4 60	
5 96	

SURVEYS: At Feet / Degrees

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Feet Slip or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1	DOM	7-2776	8	-	-	-	50 : 100	18967	SAT 22	19467	2300

REMARKS	TIME START	STOP	INTVL.
DIGGING MOUSE HOLE + RAT HOLE - LOOSING MUD IN SUMP	12:00	2:30	6½
RIG UP TO SPUD	2:30	3:00	½
SPUD IN	3:00	4:00	1
{KB TO GROUND 13.55}			
			8

F. Gustafson DRILLER'S SIGNATURE

Tour — 8 a.m. to 4 p.m.

Specify actual hours worked	Hrs.
Driller E. WRITTERMAN	8
Derrick C. LEWIS	8
Motor M. REGNEER	8
Floor D. MEEPPER	8
Floor A. REGNEER	8
Floor	
Mechanic	

Injuries:

Fires: 3 MIL

TOUR 4 PM TO MIDNIGHT

From	Footage	To	Hrs. on Bottom	Hook Load	Stands	Singles	LENGTH	Drill Collars	No.	O.D.	LENGTH
20	49	69	6¾	18M					1	6½	29.51

B.I.T.S.	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Feet Drilled Reamed/Cored	Hrs.	T	B	G	BIT INTERVAL
1	1A	15	OSC3	-	12039	ALL	70	69	17½	IN			0 69
2		11	OSC		NA806	USED FOR DRILLING MOUSE HOLE							

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.
WEIGHT		9.6	9.6	9.6	No. 1 PRESSURE	200	200	200	200	No. 2 PRESSURE				
VISCOSITY		30	32	31	MODEL C 250 S.P.M.	58	58	58	58	MODEL S.P.M.				
GEL					LINER SIZE	5½ × 5				LINER SIZE				

W.L. F.C. pH. GENERAL:

ADDITIVES: GEL - 1500#
CAUSTIC - 15#

STRING TOTALS	
D. Pipe	
D. Collars	29.51
Subs Etc.	5.15
Kelly In.	36.00
Depth	69.66

MOTOR HOURS	Next Oil Change
1 69	
2 69	
3 69	
4 69	
5 104	

SURVEYS: At Feet / Degrees

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Feet Slip or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool

REMARKS	TIME START	STOP	INTVL.
DRILL 15" HOLE SITTING ON BOULDERS.	4:00	6:15	2¼
PICK UP BAILER ELEVATORS	6:15	7:00	¾
DRILL 15" HOLE FORMATION VERY BROKEN	7:00	11:30	4½
PULL UP & CHECK OUT	11:30	12:00	½

P. Schaffer DRILLER'S SIGNATURE

Tour — 4 p.m. to Midnight

Specify actual hours worked	Hrs.
Driller P. SCHAEFER	8
Derrick W. EAST	8
Motor J. FOLDER	8
Floor J. GRAZEL	8
Floor A. SIMARD	8
Floor	

Injuries:

Fires:

B.O.P.	Tested	Elapsed Time	Pressure	Packing & Seal Inspected Date
Hydril				
Pipe Rams.				
Blind Rams.				

TOTCO RING ON BIT = Boiler Operated: 24 Hrs.

Crown-o-matic Chk'd.	
Rig Savers Chk'd.	
Kelly Cock Chk'd.	
Fire Equip. Chk'd.	

Fuel on Hand 12.01 a.m.	gals.
Fuel Rec'd Today (add)	gals.
TOTAL	gals.
Fuel on Hand 11.59 p.m. (deduct)	gals.
FUEL USED	gals.

CASING REPORT: RAN JTS CSG TO KB. USED SAX CEM PLUS % PLUG DOWN A.M. P.M. CEMENT RETURNS - (YES / NO)

GENERAL:

EQUIPMENT CHANGES

TRANSFER =

COAL ON HAND TONS

TOTAL COMPANY TIME HRS. TOTAL CONTRACTOR'S TIME HRS.

Approved by Operator's Representative

Approved by Toolpusher

Toolpush Signature

SAFETY TALKS:—

Subject:-

Weather:-

Road Conditions:-

CONSERVATION BOARD COPY

BEAVER DRILLING LTD. DAILY DRILLING LOG

RIG NO. 3 LOCATION CAN SUP JEAN MARIE LSD. J SEC. 52 TWP. RGE. W.

DIRECTIONS TO WELL MAILING POINT SHIPPING POINT MILES MOVED DATE JAN 24 1970 RIG NO. 3 DATE JAN 24 1970

TOUR MIDNIGHT TO 8 AM — JUR 8 AM TO 4 PM — TOUR 4 PM TO MIDNIGHT

From	Footage	To	Hrs. on Bottom	Hook Load	Stands	Singles	LENGTH	Drill Collars	No.	O.D.	LENGTH
69	2	71	6	10m	–	–	–		1	6¼	

B	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Feet Drilled Reamed/Cored	Hrs.	T	B	G	BIT INTERVAL	
1	1A	15"	OSC3		12039	10M	40-70	70	10½				0	70
2	2A	15"	OSC		5P445	11	40	1.66	3¾	IN			70	71

MUD	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.
WEIGHT	8.5	8.5	8.5	8.5	No. 1 PRES. SURE	200	200	200	200	No. 2 PRES. SURE				
VISCOSITY	28	28	28	28	MODEL 260 S.P.M.	58	58	58	58	MODEL S.P.M.				
GEL					LINER SIZE	7 X 15				LINER SIZE				

W.L. F.C. pH. GENERAL:

ADDITIVES:

STRING TOTALS	
D. Pipe	
D. Collars	29.51
Subs Etc.	5.15
Kelly In.	38.00
Depth	71.66

MOTOR HOURS	Next Oil Change
1 76	
2 76	
3 76	
4 76	
5 112	

SURVEYS At Feet	Degrees

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Feet Slip or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1⅛	DOM	7-2778	8				50 : 100	18967	JAN 22	19467	2300

REMARKS	TIME START	STOP	INTVL.
RIG SER	12:00	12:15	¼
DRILLING 15" HOLE ON RECK	12:15	3:00	2¾
PULL OUT CHANGE BITS	3:00	3:15	¼
DRILLING 15" HOLE	3:15	6:30	3¼
DIG MOUSE HOLE & CIRC WORK SAME	6:30	8:00	1½
			8

E. Kroeker DRILLER'S SIGNATURE

From	Footage	To	Hrs. on Bottom	Hook Load	Stands	Singles	LENGTH	Drill Collars	No.	O.D.	LENGTH
71	90	161	5¾	18 M					1	4	117.96

B	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Feet Drilled Reamed/Cored	Hrs.	T	B	G	BIT INTERVAL	
1	2A	15"	OSC	Con.	5P445	10M	40-70	35	5¾		4	1	70	103
2	3A	11"	OSC	Con.	[illegible]	MOUSE	HOLE							
3	4A	15"	OSC3	Con.	8353	10M	40-60	90	2½		IN		103	161

MUD	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.
WEIGHT	8.7	8.7	8.7	8.8	No. 1 PRES. SURE	200	200	200	200	No. 2 PRES. SURE				
VISCOSITY	31	32	32	32	MODEL S.P.M.	56	58	58	58	MODEL S.P.M.				
GEL					LINER SIZE	7 x 15				LINER SIZE				

W.L. F.C. pH. GENERAL:

ADDITIVES: GEL 1500#

STRING TOTALS	
D. Pipe	
D. Collars	117.96
Subs Etc.	5.15
Kelly In.	38.00
Depth	161.11

MOTOR HOURS	Next Oil Change
1 84	
2 84	
3 84	
4 84	
5 120	

SURVEYS At Feet	Degrees
75	¾
132	¾

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Feet Slip or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1⅛	DOM	7-2778	8				50 : 100	18967	JAN 22	19467	2300

REMARKS	TIME START	STOP	INTVL.
RIG SER	8:00	8:15	¼
DRLG 15" HOLE	8:15	11:45	3½
TRIP FOR BIT # 2A + CLEAN	11:45	12:45	1
TO BOTTOM 10' FILL			
DRILL 15" HOLE	12:45	1:15	½
CLEAN HOLE + SURVEY @ 132'	1:15	2:15	1
DRILL 15" HOLE	2:15	4:00	1¾
			8

[illegible] DRILLER'S SIGNATURE

From	Footage	To	Hrs. on Bottom	Hook Load	Stands	Singles	LENGTH	Drill Collars	No.	O.D.	LENGTH
161	102	263	6	30M					8	6¼	235.74

B	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Feet Drilled Reamed/Cored	Hrs.	T	B	G	BIT INTERVAL	
1	4A	15	OSC3		8355	12	35	160	9½	IN			103	263

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.
WEIGHT	8.8	8.4	8.4	8.4	No. 1 PRES. SURE	250	250	250	360	No. 2 PRES. SURE				
VISCOSITY	33	35	34	34	MODEL 250 S.P.M.	59	59	59	58	MODEL S.P.M.				
GEL					LINER SIZE	7 x 15				LINER SIZE				

W.L. F.C. pH. GENERAL:

ADDITIVES: GEL - 2700#

STRING TOTALS	
D. Pipe	
D. Collars	235.74
Subs Etc.	5.15
Kelly In.	23.00
Depth	263.44

MOTOR HOURS	Next Oil Change
1 92	
2 92	
3 92	
4 92	
5 124	

SURVEYS At Feet	Degrees
140	¾
249	¾

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Feet Slip or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1⅛	DOM	7-2778	8				50 : 100	18967	JAN 22	19467	2300

REMARKS	TIME START	STOP	INTVL.
DRILL 15" HOLE	4:00	4:15	¼
RIG SERV	4:15	4:30	¼
WORK HOLE & SURVEY	4:30	5:00	½
DRILL 15" HOLE	5:00	6:45	1¾
WORK HOLE & WORK ON MUD PUMP	6:45	7:30	¾
DRILL 15" HOLE	7:30	10:15	2¾
WORK HOLE & SURVEY	10:15	10:45	½
DRILL 15" HOLE	10:45	12:00	1¼
			8

[illegible] DRILLER'S SIGNATURE

Tour — Midnight - 8 a.m. Specify actual hours worked	Hrs.
Driller E. CARPER	8
Derrick W. MACKINNON	8
Motor R. ONOFRYCHUK	8
Floor P. ABRAMENKO	8
Floor J. OLSEN	8
Floor	

Injuries:

Fires:

Tour — 8 a.m. to 4 p.m. Specify actual hours worked	Hrs.
Driller EDWARD TEDMAND	8
Derrick C. Lewis	8
Motor M. REGIER	8
Floor B. HUPPA	8
Floor O. OSTHUE	8
Floor	

Mechanic:

Injuries:

Fires:

Tour — 4 p.m. to Midnight Specify actual hours worked	Hrs.
Driller P. SCHAFFER	8
Derrick W. EAST	8
Motor T. Eaton	8
Floor J. BAHZEL	8
Floor A. SHAW	8
Floor	

Injuries:

Fires:

B.O.P.	Tested	Elapsed Time	Pressure	Packing & Seal Inspected Date
Hydril				
Pipe Rams.				
Blind Rams.				

TOTCO RING ON BIT ≠ Boiler Operated: Yes Hrs.

Crown-o-matic Chk'd.	
Rig Savers Chk'd.	
Kelly Cock Chk'd.	
Fire Equip. Chk'd.	

Fuel on Hand 12 01 a.m.	gals.
Fuel Rec'd Today (add)	gals.
TOTAL	gals.
Fuel on Hand 11.59 p.m. (deduct)	gals.
FUEL USED	gals.

CASING REPORT RAN JTS CSG TO KB. USED SAX CEM PLUS % PLUG DOWN A.M. P.M. CEMENT RETURNS - (YES NO)

GENERAL:

EQUIPMENT CHANGES TRANSFER ≠

COAL ON HAND TONS TOTAL COMPANY TIME HRS. TOTAL CONTRACTOR'S TIME HRS.

Approved by Operator's Representative

Approved by Toolpusher

Toolpusher Signature

SAFETY TALKS:—

Subject:-

Weather:-

Road Conditions:-

CONSERVATION BOARD COPY

BEAVER DRILLING LTD. DAILY DRILLING LOG

RIG NO. 3 LOCATION CAN SUP SKAN MARKE LSD. 5 SEC. 52 TWP. ___ RGE. ___ W. ___ RIG NO. 3

DIRECTIONS TO WELL ___ MAILING POINT ___ SHIPPING POINT ___ MILES MOVED ___ DATE JAN 25 1978 DATE JAN 25 1978

TOUR MIDNIGHT TO 8 AM

From	Footage	To	Hrs. on Bottom	Hook Load	Stands	Singles	LENGTH	Drill Collars	No.	O.D.	LENGTH
263	122	325	5½	32m					12	6½	355.92

B	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Feet Drilled Reamed/Cored	Hrs.	T	B	G	BIT INTERVAL
1	HA	15"	HAA	CON	8355	12m	85	122	4½	1	1	1	263 - 325
2													
3													
S													

MUD	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP No. 1	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP No. 2	12 mn.	2 a.m.	4 a.m.	6 a.m.
WEIGHT	9.0	9.0	9.4		PRESSURE	300		350	350	PRESSURE				
VISCOSITY	34	34	33		MODEL	58		58	58	MODEL				
GEL					S.P.M.					S.P.M.				
					LINER SIZE	7 x 15				LINER SIZE				

W.L. F.C. pH. GENERAL:

ADDITIVES: Gel 2500#

SURVEYS At Feet	Degrees
308	¾
367	¾

STRING TOTALS: D. Pipe ___; D. Collars 355.92; Subs Etc. 3.15; Kelly In. ___; Depth 325; Feet of Change 240

MOTOR HOURS: 1 100; 2 100; 3 100; 4 92; 5 136

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1¼	DOM	7-2335	8				40 : 102	12767	JAN 22	14467	2300

From	Footage	To	Hrs. on Bottom	Hook Load	Stands	Singles	LENGTH	Drill Collars	No.	O.D.	LENGTH
325	41	430	2½	30m					12	6½	355.92

B	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Feet Drilled Reamed/Cored	Hrs.	T	B	G	BIT INTERVAL
1	HA	15"	HAA	CON	8355	12m	85	327	11½	1	1		263 - 430
2													
3													
S													

MUD	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP No. 1	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP No. 2	8 a.m.	10 a.m.	12 noon	2 p.m.
WEIGHT					PRESSURE					PRESSURE				
VISCOSITY	9.1	9.2	9.3		MODEL					MODEL				
GEL	41	48	55		S.P.M.	350	350	350		S.P.M.				
					LINER SIZE	58	58	58		LINER SIZE				

W.L. F.C. pH. GENERAL: 7" SM

ADDITIVES: GEL - 1500#

SURVEYS At Feet	Degrees

STRING TOTALS: D. Pipe 355.92; D. Collars ___; Subs Etc. ___; Kelly In. ___; Depth ___; Next Oil Change ___

MOTOR HOURS: 1 ___; 2 108; 3 108; 4 108; 5 92

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool

TOUR 8 AM TO 4 PM

From	Footage	To	Hrs. on Bottom	Hook Load	Stands	Singles	LENGTH	Drill Collars	No.	O.D.	LENGTH
430	30	460	2½	40m	1		67.35				

B	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Feet Drilled Reamed/Cored	Hrs.	T	B	G	BIT INTERVAL
1	HA	15"	DSJ		8356	15m	80	33	17	2	2	1	10 - 460
2													
3													
S													

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP No. 1	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP No. 2	4 p.m.	6 p.m.	8 p.m.	10 p.m.
WEIGHT		9.2			PRESSURE		350			PRESSURE				
VISCOSITY		47			MODEL		58	350	350	MODEL				
GEL					S.P.M.			58	58	S.P.M.				
					LINER SIZE	230	7 x 15			LINER SIZE				

W.L. F.C. pH. GENERAL:

ADDITIVES: Gel 1000#

SURVEYS At Feet	Degrees
460	10

STRING TOTALS: D. Pipe 67.35; D. Collars ___; Subs Etc. ___; Kelly In. 39.00; Depth 460; Next Oil Change ___

MOTOR HOURS: 1 ___; 2 116; 3 116; 4 116; 5 116

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
											152	

B.O.P.	Tested	Elapsed Time	Pressure	Packing & Seal Inspected Date
Hydril				
Pipe Rams.				
Blind Rams.				

TOTCO RING ON BIT # ___ Boiler Operated: ___ Hrs.

Crown-o-matic Chk'd. ___ Rig Savers Chk'd. ___ Kelly Cock Chk'd. ___ Fire Equip. Chk'd. ___

Fuel on Hand 12 01 a.m.		gals.
Fuel Rec'd Today (add)		gals.
TOTAL		gals.
Fuel on Hand 11.59 p.m. (deduct)		gals.
FUEL USED		gals.

CASING REPORT: RAN ___ JTS CSG TO ___ KB. USED ___ SAX ___ CEM ___ PLUS ___ PLUG DOWN ___ A.M. P.M. CEMENT RETURNS - (YES - NO)

GENERAL

REMARKS	TIME START	STOP	INTVL.
REG SER	12:00	12:15	¼
DRILL 15" HOLE	12:15	2:45	1½
REPLACE GLAND PACKING STUD ON PUMP	2:45	3:00	¼
DRILL 15" HOLE	3:00	3:30	½
WORK HOLE - SURVEY	3:30	4:00	½
DRILL 15" HOLE	4:00	6:45	2¾
SURVEY	6:45	7:15	½
DRILLING	7:15	8:00	¾

DRILLER'S SIGNATURE

REMARKS	TIME START	STOP	INTVL.
REG SER.	8:00	8:15	¼
DRILL 15" HOLE	8:15	10:45	2½
[redacted] PUMP			
CIRC. HOLE & WORK ON PUMP	12:30	3:00	2½
BUTTON TRIP OUT OF HOLE	3:00	4:00	1

DRILLER'S SIGNATURE

REMARKS	TIME START	STOP	INTVL.
[redacted]			
WORK ON SWE[redacted] SWIVEL	4:00	4:30	½
RUN IN HOLE	4:30	5:00	½
BREAK CIRC & CLEAN TO BTM. 20'	5:00	5:30	½
DRILL 15" HOLE	5:30	6:00	½
WORK ON C-250 MUD PUMP	6:00	7:00	1
DRILL 15" HOLE	7:00	9:00	2
CIRC. TO COND. HOLE TO RUN CASING	9:00	10:30	1½
PULL OUT TO RUN CASING	10:30	11:15	¾
RIG TO RUN CASING	11:15	12:00	¾

DRILLER'S SIGNATURE

EQUIPMENT CHANGES T. Schaffer

TRANSFER =

COAL ON HAND ___ TONS

TOTAL COMPANY TIME ___ HRS. TOTAL CONTRACTOR'S TIME ___ HRS.

Approved by Operator's Representative

Approved by Toolpusher

Tour — Midnight - 8 a.m.

Specify actual hours worked	Hrs.
Driller E. WEIERMAN	8
Derrick C. LEWES	8
Motor M. REGNIER	8
Floor O. KEEPER	8
Floor O. REGNER	8
Floor	

Injuries: N.I.

Fires:

Tour — 8 a.m. to 4 p.m.

Specify actual hours worked	Hrs.
Driller	
Derrick A. COOPER	8
Motor W. [illegible]	8
Floor A. ONOPRIENKO	8
Floor P. ADAMENKO	8
Floor	
J. OLSEN	
Mechanic	

Injuries:

Fires:

Tour — 4 p.m. to Midnight

Specify actual hours worked	Hrs.
Driller	
Derrick V. SOMMERFELD	8
Motor W. [illegible]	8
Floor L. GOLDETT	8
Floor F. BRAZEL	8
Floor A. SMITH	8

Injuries:

Fires:

Toolpusher

Signature

SAFETY TALKS:—

Subject:-

Weather:-

Road Conditions:-

CONSERVATION BOARD COPY

BEAVER DRILLING LTD. DAILY DRILLING LOG

RIG NO. 3 LOCATION CAN SUP KAR TEAU MARIE J-57 LSD. SEC. TWP. RGE. W.

DIRECTIONS TO WELL

MAILING POINT

SHIPPING POINT

MILES MOVED

DATE JAN. 26 1970

RIG NO. 3

DATE JAN. 26 1970

TOUR MIDNIGHT TO 8 AM

From	Footage	To	Hrs. on Bottom	Hook Load	Stands	Singles	LENGTH	Drill Collars	No.	O.D.	LENGTH

B.	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Feet Drilled Reamed/Cored	Hrs.	T.	B.	G.	BIT INTERVAL
1													
2													
3													
S													

MUD	12 mn	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.
WEIGHT					No. 1 PRESSURE					No. 2 PRESSURE				
VISCOSITY					MODEL S.P.M.					MODEL S.P.M.				
GEL					LINER SIZE					LINER SIZE				

W.L. F.C. pH. GENERAL:

ADDITIVES:

SURVEYS: At Feet / Degrees

STRING TOTALS	
D. Pipe	
D. Collars	
Subs Etc.	
Kelly In.	
Depth	

MOTOR HOURS	Next Oil Change
1 124	
2 124	
3 124	
4 124	
5 80	

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1R.	Rem	7-2778.	9.	2.	16	18993	50	120	18967	JAN 22	19467	1200.

REMARKS	TIME START	TIME STOP	TIME INTVL.
Run Casing	12 00	3 00	3
Circ. Casing	3 00	4 30	1½
Rig To & Mix Cement.	4 30	5 00	½
Run Down Plug	5 00	5 12	¼
~~[illegible]~~ Dig Cellar full of	5 12	~~[illegible]~~	¼
Rocks & Trees		6:00	2¾
			4

DRILLER'S SIGNATURE

Tour — Midnight - 8 a.m.

Specify actual hours worked	Hrs.
Driller E. WESTERGAARD	12
Derrick [illegible]	8
Motor [illegible]	8
Floor [illegible]	8
Floor D. ROBINSON	8
Floor O. REEVER	8

Injuries: Nil

Fires:

TOUR 8 AM TO 4 PM

From	Footage	To	Hrs. on Bottom	Hook Load	Stands	Singles	LENGTH	Drill Collars	No.	O.D.	LENGTH

B.	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Feet Drilled Reamed/Cored	Hrs.	T.	B.	G.	BIT INTERVAL
1													
2													
3													
S													

MUD	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.
WEIGHT					No. 1 PRESSURE					No. 2 PRESSURE				
VISCOSITY					MODEL S.P.M.					MODEL S.P.M.				
GEL					LINER SIZE					LINER SIZE				

W.L. F.C. pH. GENERAL: CHANGE OIL IN MUD MIXER MOTOR

ADDITIVES:

SURVEYS: At Feet / Degrees

STRING TOTALS	
D. Pipe	
D. Collars	
Subs Etc.	
Kelly In.	
Depth	

MOTOR HOURS	Next Oil Change
1 132	
2 132	
3 132	
4 132	
5 0	

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool

REMARKS	TIME START	TIME STOP	TIME INTVL.
Dig Cellar	4:00	1:30	5½
Cut Off Casing for Heat	1:30		
Down & Weld on Same		4:00	2½

DRILLER'S SIGNATURE

Tour — 8 a.m. to 4 p.m.

Specify actual hours worked	Hrs.
Driller P. SCHAEFER 12	12
Derrick W. EAST	8
Motor T. COLDEN	8
Floor T. GARZEL	8
Floor A. SHAUM	4
Floor	

Mechanic

Injuries:

Fires:

TOUR 4 PM TO MIDNIGHT

From	Footage	To	Hrs. on Bottom	Hook Load	Stands	Singles	LENGTH	Drill Collars	No.	O.D.	LENGTH

B.	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Feet Drilled Reamed/Cored	Hrs.	T.	B.	G.	BIT INTERVAL
1													
2													
3													
S													

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.
WEIGHT					No. 1 PRESSURE					No. 2 PRESSURE				
VISCOSITY					MODEL S.P.M.					MODEL S.P.M.				
GEL					LINER SIZE					LINER SIZE				

W.L. F.C. pH. GENERAL: CHANGE

ADDITIVES:

SURVEYS: At Feet / Degrees

STRING TOTALS	
D. Pipe	
D. Collars	
Subs Etc.	
Kelly In.	
Depth	

MOTOR HOURS	Next Oil Change
1 140	
2 140	
3 140	
4 140	
5 8	

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool

REMARKS	TIME START	TIME STOP	TIME INTVL.
Weld on Bowl	4:00	4:30	½
Pressure Test Bowl to 1500 P.S.I. OK	4:30	5:00	½
Nipple up B.O.P.	5:00	12:00	7

DRILLER'S SIGNATURE

Tour — 4 p.m. to Midnight

Specify actual hours worked	Hrs.
Driller	
Derrick W. MACKINNON	8
Motor R. ONOFRYCHUK	8
Floor P. ABRAMENKO	8
Floor J. OLSEN	8
Floor	

Injuries:

Fires:

B.O.P.	Tested	Elapsed Time	Pressure	Packing & Seal Inspected Date
Hydril				
Pipe Rams.				
Blind Rams.				

TOTCO RING ON BIT =

Boiler Operated: 24 Hrs.

Crown-o-matic Chk'd.	
Rig Savers Chk'd.	
Kelly Cock Chk'd.	
Fire Equip. Chk'd.	

Fuel on Hand 12.01 a.m.	gals.
Fuel Rec'd Today (add)	gals.
TOTAL	gals.
Fuel on Hand 11.59 p.m. (deduct)	gals.
FUEL USED	gals.

CASING REPORT: RAN 12 JTS 10¾ CSG TO 460 KB. USED 450 SAX Class "T" CEM PLUS 2½ % CACL2 PLUG DOWN 5:00 A.M. P.M. CEMENT RETURNS - (YES NO) YES

GENERAL:

EQUIPMENT CHANGES

COAL ON HAND TONS

TOTAL COMPANY TIME HRS.

TOTAL CONTRACTOR'S TIME HRS.

Approved by Operator's Representative

Approved by Toolpusher

DRILLER'S SIGNATURE

TRANSFER =

Toolpusher Signature

SAFETY TALKS:—

Subject:-

Weather:-

Road Conditions:-

CONSERVATION BOARD COPY

BEAVER DRILLING LTD. DAILY DRILLING LOG

RIG NO. 3 LOCATION _____ LSD. ____ SEC. ____ TWP. ____ RGE. ____ W. ____ RIG NO. 3

DIRECTIONS TO WELL _____ MAILING POINT _____ SHIPPING POINT _____ MILES MOVED _____ DATE JAN 27 1969 DATE JAN. 27 1970

TOUR MIDNIGHT TO 8 A.M.

From	Footage	To	Hrs. on Bottom	Hook Load	Stands	Singles	LENGTH	Drill Collars	No.	O.D.	LENGTH
									13	6¼	355.53

BIT	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Feet Drilled Reamed/Cored	Hrs.	T	B	G	BIT INTERVAL
1	1	8¾	X3A	3-22	19824								

MUD	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.
WEIGHT					No. 1 PRESSURE					No. 2 PRESSURE				
VISCOSITY					MODEL S.P.M.					MODEL S.P.M.				
GEL					LINER SIZE					LINER SIZE				

W.L. F.C. pH. GENERAL: TOP OF CEMENT 806' TOP OF PLUG N13-40

ADDITIVES:

STRING TOTALS	
D. Pipe	[redacted]
D. Collars	355.53
Subs Etc.	2.38
Kelly In.	8.00
Depth	423.71

MOTOR HOURS	Next Oil Change
1 148	2 mo
2 148	
3 148	
4 148	
5 [redacted]	

SURVEYS: At Feet / Degrees

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip Feet	or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1½	NOM	7-2735	8	2	16	15783	50	100	18967	JAN 22	19469	2300

REMARKS	TIME START	TIME STOP	INTVL.
NIPPLE UP BOPS	12 00	2 30	2½
PRESSURE BLIND RAMS 1000 PSI OK	2 30	3 00	½
PUSH ED w/off to DRILL OUT CEMENT FLOAT	3 00	4 00	1
REC 11" BIT TO REAM MOUSE HOLE	4 00	5 00	1
BREAK CIRC & DRIL COMMENCE	5 00	7 00	2
WORK ON ACCUMALATOR	7 00	8 00	1
DRILLER'S SIGNATURE			8

TOUR 8 A.M. TO 4 PM

From	Footage	To	Hrs. on Bottom	Hook Load	Stands	Singles	LENGTH	Drill Collars	No.	O.D.	LENGTH
460	5	465	5	40M	1		61.80		13	6¼	355.53

BIT	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Feet Drilled Reamed/Cored	Hrs.	T	B	G	BIT INTERVAL
1	1	8¾	X3A	3-22	19824	11.7	80	5	½	IN			460 465

MUD	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.
WEIGHT					No. 1 PRESSURE					No. 2 PRESSURE				
VISCOSITY					MODEL S.P.M.					MODEL S.P.M.				
GEL					LINER SIZE					LINER SIZE				

W.L. F.C. pH. GENERAL:

ADDITIVES:

STRING TOTALS	
D. Pipe	61.80
D. Collars	355.53
Subs Etc.	2.38
Kelly In.	11.00
Depth	415.71

MOTOR HOURS	Next Oil Change
1 156	
2 156	
3 156	
4 156	
5 74	

SURVEYS: At Feet / Degrees

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip Feet	or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool

REMARKS	TIME START	TIME STOP	INTVL.
WORK ON ACCUMALATOR	8 00	7:30	6½
DRILL OUT CEMENT & SHOE	7:15		
PRESSURE TEST HYDRIL FOR 15 MIN. 1000			
TO 1000 P.S.I. - OK		7:15	¾
DRILL OUT CEMENT & SHOE	7:15	7:45	1½
DRILL 4¾" HOLE	7:45	4:00	½
DRILLER'S SIGNATURE			

TOUR 4 PM TO MIDNIGHT

From	Footage	To	Hrs. on Bottom	Hook Load	Stands	Singles	LENGTH	Drill Collars	No.	O.D.	LENGTH
465	240	705	7	44M	5		280.06		13	6¼	355.53

BIT	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Feet Drilled Reamed/Cored	Hrs.	T	B	G	BIT INTERVAL
1	1	8¾	X3A	3-22	19824	16	140	240	7½	IN			460 705

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.
WEIGHT	8.7	8.7	8.5	8.5	No. 1 PRESSURE	200	200	250	250	No. 2 PRESSURE				
VISCOSITY	29	29	29	29	MODEL 280 S.P.M.	58	58	58	58	MODEL S.P.M.				
GEL					LINER SIZE			5½ x 15		LINER SIZE				

W.L. F.C. pH. GENERAL:

ADDITIVES: 500 lbs SODA BICARBONATE - 200 lbs

STRING TOTALS	
D. Pipe	280.06
D. Collars	355.53
Subs Etc.	2.38
Kelly In.	38.00
Depth	705.97

MOTOR HOURS	Next Oil Change
1 164	
2 164	
3 164	
4 164	
5 72	

SURVEYS: At Feet 643 / Degrees ¼

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip Feet	or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool

REMARKS	TIME START	TIME STOP	INTVL.
DRILL 8¾" HOLE	4:00	4:45	¾
RIG SERV. & O.P.S	4:45	5:00	¼
DRILL 8¾" HOLE	5:00	6:15	1¼
CLEAN MUD TANK & DISPLACE HOLE	6:15	6:45	½
DRILL 8¾" HOLE	6:45	10:00	3¼
SURVEY @ 643 ¼°	10:00	10:15	¼
DRILL 8¾" HOLE	10:15	12:00	1¾
DRILLER'S SIGNATURE			

B.O.P.	Tested	Elapsed Time	Pressure	Packing & Seal Inspected Date
HYDRIL		15 min	1000	OK
Pipe Rams.		15 min	1000	OK
Blind Rams.		15 min	1000	OK

TOTCO RING ON BIT ☰ Boiler Operated: 24 Hrs.

Crown-o-matic Chk'd.	
Rig Savers Chk'd.	✓
Kelly Cock Chk'd.	✓
Fire Equip. Chk'd.	

Fuel on Hand 12.01 a.m.	gals.
Fuel Rec'd Today (add)	gals.
TOTAL	gals.
Fuel on Hand 11.59 p.m. (deduct)	gals.
FUEL USED	gals.

CASING REPORT: RAN JTS CSG TO KB. USED SAX CEM PLUS % PLUG DOWN A.M. P.M. CEMENT RETURNS - (YES/NO)

GENERAL —

EQUIPMENT CHANGES

TRANSFER =

COAL ON HAND TONS

TOTAL COMPANY TIME HRS.

TOTAL CONTRACTOR'S TIME HRS.

Approved by Operator's Representative

Approved by Toolpusher

Tour — Midnight - 8 a.m.

Specify actual hours worked	Hrs.
Driller	12
Derrick F. WEIERMAN	8
Motor C. LEWIS	8
Floor M. RIGNER	8
Floor D. KLEPPER	8
Floor O. REGNER	

Injuries: } NIL
Fires:

Tour — 8 a.m. to 4 p.m.

Specify actual hours worked	Hrs.
Driller P. SCHAFFER	12
Derrick W. EAST	8
Motor J. GOLDEN	8
Floor J. BRAZEL	8
Floor A. SHRUM	8
Floor	
Mechanic	

Injuries:
Fires:

Tour — 4 p.m. to Midnight

Specify actual hours worked	Hrs.
Driller	
Derrick W. MACKINNON	8
Motor R. INDERVICHK	8
Floor P. ABRAMENKO	8
Floor M. TATTERSALL	8
Floor	

Injuries:
Fires:

Toolpusher
Signature

SAFETY TALKS:—
Subject:-

Weather:-
Road Conditions:-

CONSERVATION BOARD COPY

BEAVER DRILLING LTD. DAILY DRILLING LOG

RIG NO. 3 LOCATION CAM. SP KMB. JEDMINE. TSP. SEC. TWP. RGE. W. RIG NO. 3

DIRECTIONS TO WELL MAILING POINT SHIPPING POINT MILES MOVED DATE 1970 DATE JAN 28 1970

TOUR MIDNIGHT TO 8 AM

From	Footage	To	Hrs. on Bottom	Hook Load	Stands	Singles	LENGTH	Drill Collars	No.	O.D.	LENGTH
705'	407.91	1112.91	6¼	48M	6	1	657.00		13	6½	385.53

BIT	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Feet Drilled Reamed/Cored	Hrs.	T	B	G	BIT INTERVAL
1	1	8¾	HW	3/22	19824	15-18m	90-100	657.91	13¾	Ruz			460 1112

MUD	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.
WEIGHT	8.5	8.6	8.7	8.7	No. 1 PRESSURE	250	250	250	250	No. 2 PRESSURE				
VISCOSITY	29	29	29	29	MODEL S.P.M.	58	58	58	58	MODEL S.P.M.				
GEL					LINER SIZE	5½ x 15				LINER SIZE				

W.L. F.C. pH. GENERAL:

ADDITIVES:

SURVEYS At Feet	Degrees
861	1°

STRING TOTALS	
D. Pipe	657.00
D. Collars	385.53
Subs Etc.	2.38
Kelly In.	38.00
Depth	1112.91

MOTOR HOURS	Next Oil Change
1 156	300
2 156	
3 156	
4 156	
5 24	

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1¼	DOM	7-2775	8	2	16	19763	50 : 100	18963	JAN 22	19463	2300

REMARKS	TIME START	STOP	INTVL.
RIG SERV. & 1 BOPS	12:00	12:05	¼
DRILL 8¾" HOLE	12:05	2:05	2
SURVEY @ 861	2:05	2:30	½
DRILL 8¾" HOLE	2:30	6:45	4¼
Survey @ 1081	6:45	7:00	¼
PREP FOR TRIP & 1 Tight Hole	7:00	8:00	1
			8

DRILLER'S SIGNATURE

Tour — Midnight - 8 a.m.

Specify actual hours worked	Hrs.
Driller E. WESTERGAARD	12
Derrick C. LEWIS	8
Motor M. RECHNER	8
Floor W. KEEFER	8
Floor O. NISBULK	8
Floor	

Injuries: } N.L
Fires:

TOUR 8 AM TO 4 PM

From	Footage	To	Hrs. on Bottom	Hook Load	Stands	Singles	LENGTH	Drill Collars	No.	O.D.	LENGTH
1112.91	129	1241	2½	44M	10	1	624.09		19	6½	575.53

BIT	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Feet Drilled Reamed/Cored	Hrs.	T	B	G	BIT INTERVAL
1	1	8¾	AR	3/22	19824	25	90	741	16	IN			460 1241
			33A										

MUD	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.
WEIGHT	TRACE			8.6	No. 1 PRESSURE	TRACE			350	No. 2 PRESSURE				
VISCOSITY				31	MODEL S.P.M.				38	MODEL S.P.M.				
GEL					250 LINER SIZE	5½ x 15				LINER SIZE				

W.L. F.C. pH. GENERAL:

ADDITIVES: GEL 1500#

SURVEYS At Feet	Degrees
1210	1°

STRING TOTALS	
D. Pipe	624.09
D. Collars	567.53
Subs Etc.	4.00
BEES SHIP	9.38
Kelly In.	38.00
Depth	1241.18

MOTOR HOURS	Next Oil Change
1 164	
2 164	
3 164	
4 164	
5 32	

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1¼	DOM	7-2775	8	3	20	19003	50 : 100	18963	JAN 22	19463	2300

REMARKS	TIME START	STOP	INTVL.
TRIP FOR BIT & 1 TIGHT HOLE	2:00	4:00	3
LAY DOWN DRILL PIPE - PICK UP	4:00	12:45	8¾
7 COLLARS & RUN IN HOLE	12:45	1:00	¼
BREAK CIRC. & CLEAN TO BTM @ 1241'	1:00	1:30	½
DRILL 8¾" HOLE	1:30	3:30	2
WORK HOLE & SURVEY @ 1210 1°	3:30	4:00	½
			8

P. Schaeffer DRILLER'S SIGNATURE

Tour — 8 a.m. to 4 p.m.

Specify actual hours worked	Hrs.
Driller P. SCHAEFFER	12
Derrick W. EAST	8
Motor J. COLLEN	8
Floor J. BARRETT	8
Floor A. SHAHA	8
Floor	
Mechanic	

Injuries:
Fires:

TOUR 4 PM TO MIDNIGHT

From	Footage	To	Hrs. on Bottom	Hook Load	Stands	Singles	LENGTH	Drill Collars	No.	O.D.	LENGTH
1241	278	1519	5½	48M	10	1	906.66		19	6½	567.53

BIT	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Feet Drilled Reamed/Cored	Hrs.	T	B	G	BIT INTERVAL
1	1	8¾	AR	3/22	19824	30M	90	1019	21½	IN			460 1519
			33A										

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.
WEIGHT	8.7	8.8	9.0	9.2	No. 1 PRESSURE	400	400	[illegible]	[illegible]	No. 2 PRESSURE				
VISCOSITY	29	32	50	42	MODEL S.P.M.	58	58	58	[illegible]	MODEL S.P.M.				
GEL					250 LINER SIZE	5½ x 15				LINER SIZE				

W.L. F.C. pH. GENERAL:

ADDITIVES: Bef = 3400
Caustic = 100 lbs
2 - Brown = 150 lbs

SURVEYS At Feet	Degrees
1334	2
1398	2

STRING TOTALS	
D. Pipe	906.66
D. Collars	567.53
BEES SHIP	4.00
REAMERS	7.18
Kelly In.	38.00
Depth	1519.77

MOTOR HOURS	Next Oil Change
1 177	
2 177	
3 177	
4 177	
5 40	

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool

REMARKS	TIME START	STOP	INTVL.
DRILL 8¾" HOLE	4:00	4:30	½
RIG SERV.	4:30	4:45	¼
DRILL 8¾" HOLE	4:45	5:45	1
WORK HOLE & SURVEY @ 1390 1°	5:45	6:15	½
DRILL 7⅞" HOLE	6:15	9:15	2
WORK HOLE & SURVEY @ 1398 2°	9:15	9:45	½
DRILL 7⅞" HOLE	9:45	10:45	1
WORK ON C-350 MUD PUMP	10:45	11:15	½
DRILL 7⅞" HOLE	11:15	11:30	½
CHANGE SHAKER SCREEN	11:30	11:45	¾
DRILL 7⅞" HOLE	11:45	12:00	¼

P. Schaeffer DRILLER'S SIGNATURE

Tour — 4 p.m. to Midnight

Specify actual hours worked	Hrs.
Driller	
Derrick W. MACKENZIE	8
Motor R. ARCHEVEQUE	8
Floor P. ARAMENKO	8
Floor M. TATTERSALL	8
Floor	

Injuries:
Fires:

B.O.P.	Tested	Elapsed Time	Pressure	Packing & Seal Inspected Date
Hydril				
Pipe Rams.				
Blind Rams.				

TOTCO RING ON BIT # Boiler Operated: 24 Hrs.

Crown-o-matic Chk'd. Rig Savers Chk'd. Kelly Cock Chk'd. Fire Equip. Chk'd.

Fuel on Hand 12 01 a.m. gals.
Fuel Rec'd Today (add) gals.
TOTAL gals.
Fuel on Hand 11.59 p.m. (deduct) gals.
FUEL USED gals.

CASING REPORT RAN JTS CSG
TO KB. USED SAX CEM
PLUS PLUG DOWN A.M. P.M.
CEMENT RETURNS - (YES NO)

GENERAL:

EQUIPMENT CHANGES TRANSFER #

COAL ON HAND TONS

TOTAL COMPANY - TIME HRS. TOTAL CONTRACTOR'S TIME HRS.

Approved by Operator's Representative
Approved by Toolpusher

Toolpush Signature
SAFETY TALKS:
Subject:-
Weather:-
Road Conditions:-

CONSERVATION BOARD COPY

BEAVER DRILLING LTD. DAILY DRILLING LOG

RIG NO. 3 LOCATION SW NW - KMC SEC. MARELSD 7-52 SEC. ____ TWP. ____ RGE. ____ W. ____ RIG NO. 3

DIRECTIONS TO WELL ____ MAILING POINT ____ SHIPPING POINT ____ MILES MOVED ____ DATE JAN 29 1970 DATE JAN 29 1970

TOUR MIDNIGHT TO 8 AM

From	Footage	To	Hrs. on Bottom	Hook Load	Stands	Singles	LENGTH	Drill Collars	No.	O.D.	LENGTH
1519	93.	1614	23/4	70 M	16		1001.03		19	6½	567.53

BIT	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Feet Drilled Reamed/Cored	Hrs.	T	B	G	BIT INTERVAL
1	1	8¾	Mod	3-22	896244	30M	90	1154	24¼	1	1		460 1614
2													
3													
4													

MUD	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP		12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP		12 mn.	2 a.m.	4 a.m.	6 a.m.
WEIGHT	9.2	9.2	9.2		No. 1	PRES-SURE	350	350	350	350	No. 2	PRES-SURE				
VISCOSITY	62	70	58		MODEL	S.P.M.	58	58	58	58	MODEL	S.P.M.				
GEL						LINER SIZE	5½ x 15					LINER SIZE				

W.L. 0.2 F.C. 3/32 pH. 9.0 GENERAL:

ADDITIVES: Caustic 50#
Drak in 50#

SURVEYS: At Feet ____ Degrees ____; 1492 ½

STRING TOTALS	
D. Pipe	1001.03
D. Collars	567.53
Bit Sub	4.00
Reamer	2.58
Kelly In.	
Depth	1614.23

MOTOR HOURS	Next Oil Change
1 172	2nd
2 172	"
3 172	"
4 172	"
5 40	"

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
				8	3	20	19003	40 : 100	18967	JAN 22	19467	2300

REMARKS	TIME START	TIME STOP	INTVL.
REG SERV + U BOPS	8:0	12:15	¼
SERVICE @ 1492	12:15	12:30	¼
DRILL 2¾" HOLE	12:30	3:15	2¾
CIRC SAMPLE @ [illegible] + WAIT ON	3:15		
ORDERS		5:00	1¾
TRIP OUT OF HOLE TO CORE	5:00	7:00	2
PICK UP CORE BBL +	7:00	8:00	1
			8

DRILLER'S SIGNATURE

Tour — Midnight - 8 a.m.

Specify actual hours worked	Hrs.
Driller E WESTERMAN	12
Derrick Q. LEWIS	8
Motor M RECHLER	8
Floor D KLEPPER	8
Floor O RECHLER	8
Floor	

Injuries: } N.L
Fires:

TOUR 8 AM TO 4 PM

From	Footage	To	Hrs. on Bottom	Hook Load	Stands	Singles	LENGTH	Drill Collars	No.	O.D.	LENGTH
1614	14	1628	2¾	70 M	15	1	964.56		19	6½	567.53

BIT	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Feet Drilled Reamed/Cored	Hrs.	T	B	G	BIT INTERVAL
1	2	7⅞	OSC			8-12	60	14	2¾	EN			1614 1628
2													
3													
4													

MUD	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP		8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP		8 a.m.	10 a.m.	12 noon	2 p.m.
WEIGHT				9.3	No. 1	PRES-SURE				850	No. 2	PRES-SURE				
VISCOSITY				49	MODEL	S.P.M.				58	MODEL	S.P.M.				
GEL					250	LINER SIZE	5½ x 15					LINER SIZE				

W.L. F.C. pH. GENERAL:

ADDITIVES:

SURVEYS: At Feet ____ Degrees ____

STRING TOTALS	
D. Pipe	969.56
D. Collars	567.53
Subs Etc.	4.00
Core Bbls	19.61
Kelly In.	19.00
Depth	1624.70

MOTOR HOURS	Next Oil Change
1 180	
2 180	
3 180	
4 180	
5 49	

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1½	Dom	7-2775	8	4	24	19027	40 : 100	18967	JAN 22	19467	2300

REMARKS	TIME START	TIME STOP	INTVL.
REG SER + U BOP	8:00	8:15	¼
Finish Picking up Core Bbl + Run	8:15		
in Hole to Core		12:00	3¾
CIRC. CORE BALL	12:00	12:30	½
WORK ON CASE MUD PUMP	12:30	1:00	½
CIRC CORE BALL	1:00	1:15	½
CUTTING CORE #1	1:15	11:00	2¾
			9

DRILLER'S SIGNATURE

Tour — 8 a.m. to 4 p.m.

Specify actual hours worked	Hrs.
Driller P SCHAEFER	12
Derrick W. FOST	8
Motor T. U. SLOEN	8
Floor J. CAZEL	8
Floor A. SLOUM	8
Floor	
Mechanic	

Injuries:
Fires:

TOUR 4 PM TO MIDNIGHT

From	Footage	To	Hrs. on Bottom	Hook Load	Stands	Singles	LENGTH	Drill Collars	No.	O.D.	LENGTH
1628	44	1672			16		1001.03		19	6½	567.53

BIT	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Feet Drilled Reamed/Cored	Hrs.	T	B	G	BIT INTERVAL
1	2	7⅞	OSC			12	70	58	10¾	EN			1614 1672
2													
3													
4													

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP		4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP		4 p.m.	6 p.m.	8 p.m.	10 p.m.
WEIGHT	9.3	9.4	9.4	9.4	No. 1	PRES-SURE	850	850	850	950	No. 2	PRES-SURE				
VISCOSITY	38	57	55	52	MODEL	S.P.M.	58	58	58	58	MODEL	S.P.M.				
GEL					250	LINER SIZE			5½ x 15			LINER SIZE				

W.L. F.C. pH. GENERAL:

ADDITIVES: Gel - 1600
2-Brown - 50
Caustic - 50

SURVEYS: At Feet ____ Degrees ____

STRING TOTALS	
D. Pipe	1001.03
D. Collars	567.53
Subs Etc.	4.00
Core Bbls	19.61
Kelly In.	21.00
Depth	1672.17

MOTOR HOURS	Next Oil Change
1	
2	
3	
4	
5	

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool

REMARKS	TIME START	TIME STOP	INTVL.
CUTTING CORE #1	4:00	12:00	8

DRILLER'S SIGNATURE

Tour — 4 p.m. to Midnight

Specify actual hours worked	Hrs.
Driller	
Derrick W. MACKINNON	8
Motor K. UNGRAVEHAM	8
Floor P. HARAMENKO	8
Floor M. TATTERSALL	8
Floor	

Injuries:
Fires:

B.O.P.	Tested	Elapsed Time	Pressure	Packing & Seal Inspected Date
Hydril				
Pipe Rams.				
Blind Rams.				

TOTCO RING ON BIT # ____ Boiler Operated: 24 Hrs.

Crown-o-matic Chk'd.	
Rig Savers Chk'd.	
Kelly Cock Chk'd.	
Fire Equip. Chk'd.	

Fuel on Hand 12.01 a.m.	gals.
Fuel Rec'd Today (add)	gals.
TOTAL	gals.
Fuel on Hand 11.59 p.m. (deduct)	gals.
FUEL USED	gals.

CASING REPORT RAN ____ JTS ____ CSG ____ TO ____ KB. USED ____ SAX ____ CEM ____ PLUS ____ % PLUG DOWN ____ A.M. P.M.

CEMENT RETURNS - (YES - NO)

GENERAL: —

EQUIPMENT CHANGES

TRANSFER =

COAL ON HAND ____ TONS

TOTAL COMPANY TIME 3 HRS.

TOTAL CONTRACTOR'S TIME ____ HRS.

Approved by Operator's Representative

Approved by Toolpusher

Toolpush Signature

SAFETY TALKS:—

Subject:-

Weather:-

Road Conditions:-

CONSERVATION BOARD COPY

BEAVER DRILLING LTD. DAILY DRILLING LOG

RIG NO. ____ LOCATION CAN SUP. KMG SAN HARLE LSD. 5-57 SEC. ____ TWP. ____ RGE. ____ W. ____ RIG NO. 3

DIRECTIONS TO WELL ____ MAILING POINT ____ SHIPPING POINT ____ MILES MOVED ____ DATE JAN 30 1970 DATE JAN 30 1970

TOUR MIDNIGHT TO 8 AM

From	Footage	To	Hrs. on Bottom	Hook Load	Stands	Singles	LENGTH	Drill Collars	No.	O.D.	LENGTH
1672	2	1674	5	70M	16		1001.03		19	6½	567.53

BITS	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Feet Drilled Reamed/Cored	Hrs.	T	B	G	BIT INTERVAL	
	8	8½	OSR		5F39	12	70	20	10½				1654	1674

MUD	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.
WEIGHT	TRIP	TRIP	9.4	9.4	No. 1 PRESSURE					No. 2 PRESSURE				
VISCOSITY			50	48	MODEL / S.P.M.	TRIP		TRIP		MODEL / S.P.M.				
GEL					LINER SIZE					LINER SIZE				

W.L. ____ F.C. ____ pH. ____ GENERAL: ____

ADDITIVES: ____

SURVEYS: At Feet ____ Degrees ____

STRING TOTALS	
D. Pipe	1001.03
D. Collars	567.53
Subs	2.00
Core Bit	6.61
Kelly In.	32.00
Depth	1674.17

MOTOR HOURS	Next Oil Change
1 150	2 AM
2 150	"
3 150	"
4 150	"
5 HR	

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1⅛	DOM	7-3776	8	3	20	19003	50	100	18967	THU 22	19467	2300

REMARKS	TIME START	TIME STOP	INTVL.
PULL OUT TO RECOVER CORE #1	12:00	1:45	1¾
RECOVER - BOX CORE #1	1:45	3:00	1¼
WAIT ON ORDERS	3:00	4:30	1½
PICK UP DST #1 - MAKE UP TO	4:30		
RUN IN HOLE		6:15	1¾
RUN IN HOLE W/DST #1	6:15	8:00	1¾
			8

DRILLER'S SIGNATURE

Tour — Midnight - 8 a.m.

Specify actual hours worked	Hrs.
Driller B WESTERMAN	
Derrick C LEWIS	12
Motor M REGNIER	8
Floor D KLEPPER	8
Floor J REGNIER	8
Floor	

Injuries:

Fires: } NIL

TOUR 8 AM TO 4 PM

From	Footage	To	Hrs. on Bottom	Hook Load	Stands	Singles	LENGTH	Drill Collars	No.	O.D.	LENGTH

BITS	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Feet Drilled Reamed/Cored	Hrs.	T	B	G	BIT INTERVAL	

MUD	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.
WEIGHT					No. 1 PRESSURE					No. 2 PRESSURE				
VISCOSITY					MODEL / S.P.M.					MODEL / S.P.M.				
GEL					LINER SIZE					LINER SIZE				

W.L. ____ F.C. ____ pH. ____ GENERAL: ____

ADDITIVES: ____

SURVEYS: At Feet ____ Degrees ____

STRING TOTALS	
D. Pipe	
D. Collars	
Subs Etc.	
Kelly In.	
Depth	

MOTOR HOURS	Next Oil Change
1 150	
2 150	
3 150	
4 150	
5 HR	

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool

REMARKS	TIME START	TIME STOP	INTVL.
Finish in WEST - HOOKING UP	8:00	9:00	1
TESTING	9:00	12:00	3
PULL D.S.T #1	12:00	3:00	3
RECOVER RECORDERS & READ CHARTS	3:00	4:00	1

DRILLER'S SIGNATURE

Tour — 3 a.m. to 4 p.m.

Specify actual hours worked	Hrs.
Driller P SCHAEFER	12
Derrick W EAST	9
Motor J CALDER	9
Floor J. BRAZEL	8
Floor A SHAHM	8
Floor	

Mechanic:

Injuries:

Fires:

TOUR 4 PM TO MIDNIGHT

From	Footage	To	Hrs. on Bottom	Hook Load	Stands	Singles	LENGTH	Drill Collars	No.	O.D.	LENGTH
1674	44	1718	3	74M	18		1123.96		19	6½	567.53

BITS	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Feet Drilled Reamed/Cored	Hrs.	T	B	G	BIT INTERVAL	
	2	7⅞	ODV	3/22	18210	3M	55	60	1½				1674	1674
						35M	95	44	3		TD		1674	1718

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.
WEIGHT			9.6	9.6	No. 1 PRESSURE			450	450	No. 2 PRESSURE				
VISCOSITY			43	63	MODEL / S.P.M.			58	58	MODEL / S.P.M.				
GEL					LINER SIZE			5½ x 12"		LINER SIZE				

W.L. ____ F.C. ____ pH. ____ GENERAL: ____

ADDITIVES: Bar = 1700 lbs

SURVEYS: At Feet ____ Degrees ____

STRING TOTALS	
D. Pipe	1123.96
D. Collars	567.53
Subs Etc.	
Bit Sub	2.00
Kelly In.	21.00
Depth	1718.49

MOTOR HOURS	Next Oil Change
1 196	
2 196	
3 196	
4 196	
5 HR	

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1⅛	DOM	1-3778	8	4	20	19023	50	100	18967	JAN 22	19467	2300

REMARKS	TIME START	TIME STOP	INTVL.
BREAK DOWN TESTERS TOOLS & LOAD OUT SAME	4:00	5:30	1½
RIG SERV. & B.O.P.E.	5:30	5:45	¼
RUN IN W/BIT #3	5:45	7:45	2
BREAK CIRC. & REAME RAT HOLE	7:45	9:00	1¼
DRILL 7⅞" HOLE	9:00	12:00	3

DRILLER'S SIGNATURE

Tour — 4 p.m. to Midnight

Specify actual hours worked	Hrs.
Driller	
Derrick W. MACKINNON	8
Motor T. ONUFRYCHUK	8
Floor P. ADAMENKO	8
Floor M. TATTERSALL	8
Floor	

Injuries:

Fires:

B.O.P.	Tested	Elapsed Time	Pressure	Packing & Seal Inspected Date
Hydril				
Pipe Rams.				
Blind Rams.				

TOTCO RING ON BIT = ____ Boiler Operated: 24 Hrs.

Crown-o-matic Chk'd.	
Rig Savers Chk'd.	
Kelly Cock Chk'd.	
Fire Equip. Chk'd.	

Fuel on Hand 12.01 a.m.	gals.
Fuel Rec'd Today (add)	gals.
TOTAL	gals.
Fuel on Hand 11.59 p.m. (deduct)	gals.
FUEL USED	gals.

CASING REPORT: RAN ____ JTS ____ CSG ____ TO ____ KB: USED ____ SAX ____ CEM ____ PLUS ____ % PLUG DOWN ____ A.M. P.M.

CEMENT RETURNS - (YES - NO)

GENERAL:

EQUIPMENT CHANGES

TRANSFER =

COAL ON HAND ____ TONS

TOTAL COMPANY TIME ____ HRS.

TOTAL CONTRACTOR'S TIME ____ HRS.

Approved by Operator's Representative

Approved by Toolpusher

Toolpush Signature

SAFETY TALKS:—

Subject:-

Weather:-

Road Conditions:-

CONSERVATION BOARD COPY

BEAVER DRILLING LTD. DAILY DRILLING LOG

RIG NO. ____ LOCATION CAN SUP - KMG JEAN MARIE I-3 SEC. ____ TWP. ____ RGE. ____ W. ____ RIG NO. 3

DIRECTIONS TO WELL ____ MAILING POINT ____ SHIPPING POINT ____ MILES MOVED ____ DATE JAN 31 1970 DATE JAN 31 1970

TOUR MIDNIGHT TO 8 AM

From	Footage	To	Hrs. on Bottom	Hook Load	Stands	Singles	LENGTH	Drill Collars	No.	O.D.	LENGTH
1714	[illegible]	1819	7¼	74M	19	1	1296.0	9	9	6½	567.53

BIT	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Feet Drilled Reamed/Cored	Hrs.	T	B	G	BIT INTERVAL
1	2	7⅞	H-W	3-22	18210	35M	85	100	10½	[illegible]			1674 1819

MUD	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.
WEIGHT	9.6	9.5	9.5	9.5	No. 1 PRESSURE	450	450	450	450	No. 2 PRESSURE				
VISCOSITY	64	60	62	67	MODEL S.P.M.	58	58	58	58	MODEL S.P.M.				
GEL					LINER SIZE	5½ x 15				LINER SIZE				

W.L. 10.7 F.C. 2/32 pH. 11.0 GENERAL:

ADDITIVES: Gel [illegible]

STRING TOTALS	
D. Pipe	1219.60
D. Collars	567.53
Subs Etc.	4.00
	0.21
Kelly In.	31.00
Depth	1819.13

MOTOR HOURS	Next Oil Change
1 204	244
2 204	
3 204	
4 204	
5 72	

SURVEYS	At Feet	Degrees

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1⅛	DOM	1-2776	8	4	20	14033	60	100	12967	JAN 22	14067	2300

REMARKS

	TIME START	STOP	INTVL.
RIG SER + J BOP	2:00	8:00	6
DRILL 7⅞ HOLE	2:00	9:00	7¾
DRILLER'S SIGNATURE			8

Tour — Midnight - 8 a.m.

Specify actual hours worked	Hrs.
Driller E WESTERMAN	12
Derrick C BARNES	16
Motor M REGNEER	8
Floor D KUPPER	8
Floor O REGNEER	8
Floor	

Injuries: } N.L
Fires:

TOUR 8 AM TO 4 PM

From	Footage	To	Hrs. on Bottom	Hook Load	Stands	Singles	LENGTH	Drill Collars	No.	O.D.	LENGTH
1814	60	1874	7¾	70M	21	1	1282.58		9	6½	567.53

BIT	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Feet Drilled Reamed/Cored	Hrs.	T	B	G	BIT INTERVAL
1	2	7⅞	H-W	3-22	18210	35M	85	200	18½	IN			1674 1874

MUD	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.
WEIGHT	9.5	9.5	9.5	9.6	No. 1 PRESSURE	440	450	450	500	No. 2 PRESSURE				
VISCOSITY	60	64	55	70	MODEL S.P.M.	58	58	58	58	MODEL S.P.M.				
GEL					LINER SIZE	5½ x 15				LINER SIZE				

W.L. 10.6 F.C. 2/32 pH. 9.0 GENERAL:

ADDITIVES: GEL

STRING TOTALS	
D. Pipe	1282.58
D. Collars	567.53
Subs Etc.	4.00
Kelly In.	70.00
Depth	1874.11

MOTOR HOURS	Next Oil Change
1 202	244
2 202	
3 202	
4 202	
5 20	

SURVEYS	At Feet	Degrees

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1⅛	DOM	1-2776	8				60	100	16167	JAN 22	14067	2300

REMARKS

	TIME START	STOP	INTVL.
RIG SER + J BOPS	8:00	8:15	¼
DRILL 7⅞ HOLE	8:15	4:00	7¾
DRILLER'S SIGNATURE			

Tour — 8 a.m. to 4 p.m.

Specify actual hours worked	Hrs.
Driller P. SCHAEFER	12
Derrick A. SHAUM	8
Motor J. GOLDEN	8
Floor J. BAAZEL	8
Floor	
Floor	
Mechanic	

Injuries: WINFAST FROZE HTS FINGER WHILE UP DERRICK JAN 30/1970
Fires:

TOUR 4 PM TO MIDNIGHT

From	Footage	To	Hrs. on Bottom	Hook Load	Stands	Singles	LENGTH	Drill Collars	No.	O.D.	LENGTH
1874	42	1916	6½	75M	21		1314.09		9	6½	567.53

BIT	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Feet Drilled Reamed/Cored	Hrs.	T	B	G	BIT INTERVAL
1	2	7⅞	DOW	3/22	18210	32M	85	242	6½	IN			1674 1916

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.
WEIGHT	9.6	9.6	9.6	9.6	No. 1 PRESSURE	500	500	500	500	No. 2 PRESSURE				
VISCOSITY	78	80	82	80	MODEL S.P.M.	58	58	58	58	MODEL S.P.M.				
GEL					220 LINER SIZE			5½ x 15		LINER SIZE				

W.L. F.C. pH. GENERAL:

ADDITIVES:

STRING TOTALS	
D. Pipe	1314.09
D. Collars	567.53
Subs Etc.	4.00
Kelly In.	31.00
Depth	1916.62

MOTOR HOURS	Next Oil Change
1 220	244
2 220	
3 220	
4 220	
5 80	

SURVEYS	At Feet	Degrees

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool

REMARKS

	TIME START	STOP	INTVL.
DRILL 7⅞ HOLE	4:00	10:30	6½
CIRC. HOLE TO COND. TO TEST	10:30	12:00	1½
DRILLER'S SIGNATURE			

Tour — 4 p.m. to Midnight

Specify actual hours worked	Hrs.
Driller	
Derrick W. MACATHMON	8
Motor A. ONUFRYCHUK	8
Floor P. ABRAMENKO	8
Floor M TATTERSALL	8
Floor	

Injuries:
Fires:

B.O.P.	Tested	Elapsed Time	Pressure	Packing & Seal Inspected Date
Hydril				
Pipe Rams.				
Blind Rams.				

TOTCO RING ON BIT = Boiler Operated: 24 Hrs.

Crown-o-matic Chk'd. | Rig Savers Chk'd. | Kelly Cock Chk'd. | Fire Equip. Chk'd.

Fuel on Hand 12 01 a.m. ____ gals.
Fuel Rec'd Today (add) ____ gals.
TOTAL ____ gals.
Fuel on Hand 11.59 p.m. (deduct) ____ gals.
FUEL USED ____ gals.

CASING REPORT RAN ____ JTS ____ CSG
TO ____ KB. USED ____ SAX ____ CEM
PLUS ____ % PLUG DOWN ____ A.M. P.M.
CEMENT RETURNS - (YES NO)

GENERAL: —

EQUIPMENT CHANGES

TRANSFER =

COAL ON HAND ____ TONS

TOTAL COMPANY - TIME ____ HRS.

TOTAL CONTRACTOR'S TIME ____ HRS.

Approved by Operator's Representative

Approved by Toolpusher

Toolpush Signature

SAFETY TALKS:—
Subject:-

Weather:-
Road Conditions:-

CONSERVATION BOARD COPY

BEAVER DRILLING LTD. DAILY DRILLING LOG

RIG NO. ____ LOCATION CAN SUP - KMG TRAN. MARK LSD. 5-5 SEC. ____ TWP. ____ RGE. ____ W. ____ RIG NO. ____

DIRECTIONS TO WELL ____ MAILING POINT ____ SHIPPING POINT ____ MILES MOVED ____ DATE FEB 1 1970 DATE FEB 1 1970

TOUR MIDNIGHT TO 8 AM

From	Footage	To	Hrs. on Bottom	Hook Load	Stands	Singles	LENGTH	Drill Collars	No.	O.D.	LENGTH
1916	/	1916		75m	21		1304.04		19	6½	567.53

BITS	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Feet Drilled Reamed/Cored	Hrs.	T	B	G	BIT INTERVAL
	2	7⅞	RW	3/22	F8210	54m	55	248	24	3	N	1	1672 1916

MUD	12 mn	2 a.m.	4 a.m.	6 a.m.	PUMP No. 1	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP No. 2	12 mn.	2 a.m.	4 a.m.	6 a.m.
WEIGHT	9.7				PRESSURE	500				PRESSURE				
VISCOSITY	82				MODEL	S.P.M.	68			MODEL	S.P.M.			
GEL						LINER SIZE	5½ x 15				LINER SIZE			

W.L. ____ F.C. ____ pH. ____ GENERAL: ____

ADDITIVES: ____

SURVEYS At Feet	Degrees
1716	¼

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip or Cut Feet	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1⅛	DOM	7-2778	8	4	20	19023	50:100	18967	JAN 22	19467	2300

STRING TOTALS	
D. Pipe	1304.04
D. Collars	567.53
Subs Etc.	11.00
Kelly In.	31.00
Depth	1916.62

MOTOR HOURS	Next Oil Change
1 228	LNU
2 228	"
3 228	"
4 228	"
5 96	"

REMARKS	TIME START	STOP	INTVL.
RIG SERV + W BOPS + SURVEY	12:00	12:15	¼
PULL OUT TO DST #2	12:15	2:00	1¾
PICK UP DST #2 + MAKE UP SAMP	2:00	3:30	1½
RUN IN W/DST #2 + HEAD UP	3:30	6:00	2½
TEST	6:00	8:00	2

DRILLER'S SIGNATURE

Tour — Midnight - 8 a.m.

Specify actual hours worked		Hrs.
Driller	E. WELLERMAN	12
Derrick	A. SHAUB	8
Motor	S. COLDEN	8
Floor	T. BRAZEL	8
Floor	C. LEWES	8
Floor		

Injuries: } NIL
Fires:

TOUR 8 AM TO 4 PM

From	Footage	To	Hrs. on Bottom	Hook Load	Stands	Singles	LENGTH	Drill Collars	No.	O.D.	LENGTH

BITS	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Feet Drilled Reamed/Cored	Hrs.	T	B	G	BIT INTERVAL

MUD	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP No. 1	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP No. 2	8 a.m.	10 a.m.	12 noon	2 p.m.
WEIGHT					PRESSURE					PRESSURE				
VISCOSITY					MODEL	S.P.M.				MODEL	S.P.M.			
GEL						LINER SIZE					LINER SIZE			

W.L. ____ F.C. ____ pH. ____ GENERAL: ____

ADDITIVES: ____

SURVEYS At Feet	Degrees

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip or Cut Feet	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1⅛	DOM	7-2778	8	5	20	19023	50:100	18967	JAN 22	19467	2300

STRING TOTALS	
D. Pipe	
D. Collars	
Subs Etc.	
Kelly In.	
Depth	

MOTOR HOURS	Next Oil Change
1 236	LNU
2 236	"
3 236	"
4 236	"
5 104	"

REMARKS	TIME START	STOP	INTVL.
RIG SERV + W BOPS	8:00	8:15	¼
TESTING	8:15	9:15	1
PULL DST. #2	9:15	12:00	2¾
BREAK DOWN D.S.T #2 & LOAD	12:00		
OUT SAME		1:30	1½
RUN IN W/BIT #3	1:30	2:30	1
WORK ON AIR LINES	2:30	3:00	½
FINISH IN HOLE W/BIT #3	3:00	4:00	1

DRILLER'S SIGNATURE

Tour — 8 a.m. to 4 p.m.

Specify actual hours worked		Hrs.
Driller	P. SCHOFFER	12
Derrick	[illegible]	8
Motor	R. [illegible]	8
Floor	P. AGRAMENKO	8
Floor	M. TATTERSALL	8
Floor		

Mechanic
Injuries:
Fires:

TOUR 4 PM TO MIDNIGHT

From	Footage	To	Hrs. on Bottom	Hook Load	Stands	Singles	LENGTH	Drill Collars	No.	O.D.	LENGTH
1916	39	1955	5	76m	21	1	1305.55		19	6½	567.53

BITS	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Feet Drilled Reamed/Cored	Hrs.	T	B	G	BIT INTERVAL
	3	7⅞	DDU	3/22	18237	35	75	39	5	1	W		1916 1955

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP No. 1	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP No. 2	4 p.m.	6 p.m.	8 p.m.	10 p.m.
WEIGHT			9.4	9.3	PRESSURE			450	450	PRESSURE				
VISCOSITY			75	72	MODEL 5½	S.P.M.		55	55	MODEL	S.P.M.			
GEL						LINER SIZE		5½	15		LINER SIZE			

W.L. ____ F.C. ____ pH. ____ GENERAL: ____

ADDITIVES: Caustic - 20 lbs
2-Barium - 50 lbs

SURVEYS At Feet	Degrees

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip or Cut Feet	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1⅛	DOM	7-2778	8	5	20	19023	50:100	18967	JAN 22	19467	2300

STRING TOTALS	
D. Pipe	1305.55
D. Collars	567.53
Subs Etc.	
BETSUB	11.00
Kelly In.	31.00
Depth	1955.08

MOTOR HOURS	Next Oil Change
1 244	
2 244	
3 244	
4 244	
5 112	

REMARKS	TIME START	STOP	INTVL.
RIG SERV.	4:00	4:15	¼
DEICE KELLY	4:15	6:45	2½
BREAK CIRC. & CLEAN TO BOTTOM	6:45	7:00	¼
DRILL 7⅞" HOLE	7:00	12:00	5

DRILLER'S SIGNATURE

Tour — 4 p.m. to Midnight

Specify actual hours worked		Hrs.
Driller		
Derrick	A. [illegible]	8
Motor	M. REGNIER	8
Floor	O. REGNIER	8
Floor	O. KLEPPER	8
Floor		

Injuries:
Fires:

B.O.P.	Tested	Elapsed Time	Pressure	Packing & Seal Inspected Date
Hydril				
Pipe Rams.				
Blind Rams.				

TOTCO RING ON BIT # ____ Boiler Operated: ____ Hrs.

Crown-o-matic Chk'd. ____ Rig Savers Chk'd. ____ Kelly Cock Chk'd. ____ Fire Equip. Chk'd. ____

Fuel on Hand 12.01 a.m. ____ gals.
Fuel Rec'd Today (add) ____ gals.
TOTAL ____ gals.
Fuel on Hand 11.59 p.m. (deduct) ____ gals.
FUEL USED ____ gals.

CASING REPORT: RAN ____ JTS ____ CSG ____ TO ____ KB. USED ____ SAX ____ CEM ____ PLUS ____ % ____ PLUG DOWN ____ A.M. P.M.

CEMENT RETURNS - (YES - NO)

GENERAL: —

EQUIPMENT CHANGES

TRANSFER =

COAL ON HAND ____ TONS

TOTAL COMPANY TIME ____ HRS. TOTAL CONTRACTOR'S TIME ____ HRS.

Approved by Operator's Representative
Approved by Toolpusher

Toolpusher Signature

SAFETY TALKS:—
Subject:-
Weather:-
Road Conditions:-

CONSERVATION BOARD COPY

BEAVER DRILLING LTD. DAILY DRILLING LOG

RIG NO. ____ LOCATION CAN SUP - KNG TRAN HARRE LSD. 5-32 SEC. ____ TWP. ____ RGE. ____ W. ____ RIG NO. 3

DIRECTIONS TO WELL ____ MAILING POINT ____ SHIPPING POINT ____ MILES MOVED ____ DATE FEB 2 1970 DATE FEB 2 1970

TOUR MIDNIGHT TO 8 AM

From	Footage	To	Hrs. on Bottom	Hook Load	Stands	Singles	LENGTH	Drill Collars	No.	O.D.	LENGTH
1955	55	2010	7¾	76M	22	1	1108.17		19	6½	567.53

BITS	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Feet Drilled Reamed/Cored	Hrs.	T	B	G	BIT INTERVAL	
	3	7⅞	[illegible]	3-22	18237	35M	85	204	22½	8			1916	2010

MUD	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.
WEIGHT	9.3	9.4	9.4	9.4	No. 1 PRESSURE	450	450	450		No. 2 PRESSURE				
VISCOSITY	76	70	68	66	MODEL S.P.M.	58	58	58		MODEL S.P.M.				
GEL					LINER SIZE	5½×15				LINER SIZE				

W.L. 11.0 F.C. 1/32 pH. 10.0 GENERAL:

ADDITIVES: GEL 100 CARBOXIN 100

SURVEYS: At Feet ____ Degrees ____

STRING TOTALS	
D. Pipe	1428.17
D. Collars	567.53
Subs Etc.	
DU SUB	4.00
Kelly In.	27.10
Depth	2010.00

MOTOR HOURS	Next Oil Change
1 272	
2 272	
3 272	
4 272	
5 120	

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1 1/4	CDM	1-778	8	5	20	19043	50 : 100	18967	JAN 22	19467	2300

REMARKS	TIME START	STOP	INTVL.
RIG SER - J BOPS	2:00	12:15	½
DRILL 7⅞" HOLE	12:15	8:00	7¾
DRILLER'S SIGNATURE			8

Tour — Midnight - 8 a.m.

Specify actual hours worked		Hrs.
Driller	E WEST-[illegible]	12
Derrick	A SHAW	8
Motor	J COLOHN	8
Floor	J BRAZIL	8
Floor	E LEWIS	8
Floor		

Injuries: } N.L
Fires:

TOUR 8 AM TO 4 PM

From	Footage	To	Hrs. on Bottom	Hook Load	Stands	Singles	LENGTH	Drill Collars	No.	O.D.	LENGTH
2010	55	2065	7¼	77M	23	1	1471.10		19	6½	567.53

BITS	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Feet Drilled Reamed/Cored	Hrs.	T	B	G	BIT INTERVAL	
	3	7⅞	3-22	18237	18237	35M	85	154	20	8	IN		1916	2065

MUD	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.
WEIGHT	9.4	9.4	9.6	9.6	No. 1 PRESSURE	450	450	450	450	No. 2 PRESSURE				
VISCOSITY	68	67	64	64	MODEL 220 S.P.M.	58	58	55	59	MODEL S.P.M.				
GEL					LINER SIZE	5½×15				LINER SIZE				

W.L. F.C. pH. GENERAL:

ADDITIVES:

SURVEYS: At Feet ____ Degrees ____

STRING TOTALS	
D. Pipe	1471.10
D. Collars	567.53
Subs Etc.	
DU SUB	4.00
Kelly In.	27.00
Depth	2065.63

MOTOR HOURS	Next Oil Change
1 260	
2 260	
3 260	
4 260	
5 128	

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1 1/4	CDM	7-2778	8	5	20	19063	50 : 100	18967	JAN 22	19467	2300

REMARKS	TIME START	STOP	INTVL.
RIG SER - V BOPS	8:00	8:15	¼
DRILL 7⅞ HOLE	8:15	2:00	5¾
CHANGE GLAND PACKING IN PUMP	2:00	2:30	½
DRILL 7⅞" HOLE	2:30	4:00	1½
P. SCHEFFLER DRILLER'S SIGNATURE			

Tour — 8 a.m. to 4 p.m.

Specify actual hours worked		Hrs.
Driller	P. SCHEFFLER	12
Derrick	W. MACKINNON	8
Motor	A. OWSIANIUK	8
Floor	P. HORAMENKO	8
Floor	M. WHITEHALL	8
Floor		
Mechanic		

Injuries:
Fires:

TOUR 4 PM TO MIDNIGHT

From	Footage	To	Hrs. on Bottom	Hook Load	Stands	Singles	LENGTH	Drill Collars	No.	O.D.	LENGTH
2065	25	2090	4¼	78M	24		1502.63		19	6½	567.53

BITS	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Feet Drilled Reamed/Cored	Hrs.	T	B	G	BIT INTERVAL	
	3	7⅞	600	3/22	18237	35	95	164	22	8	3	1	1916	2090
	4	7⅞	407	3-7/8	19629	35	90	10	¼	IN			2080	2090

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.
WEIGHT	9.5	9.5	TRIP		No. 1 PRESSURE	450	450	TRIP		No. 2 PRESSURE				
VISCOSITY	82	77			MODEL 220 S.P.M.	58	58			MODEL S.P.M.				
GEL					LINER SIZE			5½	A12	LINER SIZE				

W.L. F.C. pH. GENERAL:

ADDITIVES: Gel 3
Caustic 2
Q-Broxin 2

SURVEYS: At Feet 2080 Degrees 2°

STRING TOTALS	
D. Pipe	1502.63
D. Collars	567.53
Subs Etc.	4.00
Kelly In.	16.00
Depth	2090.21

MOTOR HOURS	Next Oil Change
1 268	
2 269	
3 268	
4 264	
5 136	

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1 1/4	CDM	7-2778	8	6	48	19097	50 : 100	18967	JAN 22	19467	2350

REMARKS	TIME START	STOP	INTVL.
DRILL 7⅞" HOLE	4:00	7:00	3
RIG SERV. & R.O.P.S. - SURVEY	7:00	7:15	¼
TRIP FOR BIT CLOSE BLIND RAMS	7:15	10:00	2¾
BREAK CIRC & CLEAN TO BTM 5'	10:00	10:15	¼
DRILL 7⅞" HOLE	10:15	12:00	1¾
P. SCHEFFLER DRILLER'S SIGNATURE			

Tour — 4 p.m. to Midnight

Specify actual hours worked		Hrs.
Driller		
Derrick	C. LEWIS	8
Motor	A. KEGNIER	8
Floor	O. KEGNIER	8
Floor	O. KLEPPER	8
Floor		

Injuries:
Fires:

B.O.P.	Tested	Elapsed Time	Pressure	Packing & Seal Inspected Date
Hydril				
Pipe Rams.				
Blind Rams.				

TOTCO RING ON BIT = Boiler Operated: 24 Hrs.

Crown-o-matic Chk'd. ____ Rig Savers Chk'd. ____ Kelly Cock Chk'd. ____ Fire Equip. Chk'd. ____

Fuel on Hand 12 01 a.m.	gals.
Fuel Rec'd Today (add)	gals.
TOTAL	gals.
Fuel on Hand 11.59 p.m. (deduct)	gals.
FUEL USED	gals.

CASING REPORT: RAN ____ JTS ____ CSG ____ TO ____ KB. USED ____ SAX ____ CEM ____ PLUS ____ % PLUG DOWN ____ A.M. P.M. CEMENT RETURNS - (YES NO)

GENERAL: —

EQUIPMENT CHANGES ____ TRANSFER =

COAL ON HAND ____ TONS

TOTAL COMPANY TIME ____ HRS. TOTAL CONTRACTOR'S TIME ____ HRS.

Approved by Operator's Representative
Approved by Toolpusher

Toolpusher Signature

SAFETY TALKS:—
Subject:-

Weather:-
Road Conditions:-

CONSERVATION BOARD COPY

BEAVER DRILLING LTD. DAILY DRILLING LOG

RIG NO. ____ LOCATION CAN SUP - KING TRAIN MAIN Lsd. 2 SEC. ____ TWP. ____ RGE. ____ W. ____ RIG NO. 3

DIRECTIONS TO WELL ____ MAILING POINT ____ SHIPPING POINT ____ MILES MOVED ____ DATE FEB 3 1970 DATE FEB 3 1970

TOUR MIDNIGHT TO 8 AM

From	Footage	To	Hrs. on Bottom	Hook Load	Stands	Singles	LENGTH	Drill Collars	No.	O.D.	LENGTH
2090	40	2130	7¾	78M	24	1	1574.04		19	6¼	567.53

Bit No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Feet Drilled Reamed/Cored	Hrs.	T	B	G	BIT INTERVAL
4	7⅞	H.W	3-3/16-16	19629	35M	80	50	7¾	Rerun			2080 2130

STRING TOTALS	
D. Pipe	1574.04
D. Collars	567.53
Subs Etc.	4.00
Kelly In.	37.43
Depth	2130.0

MUD	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP		12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP		12 mn.	2 a.m.	4 a.m.	6 a.m.
WEIGHT	9.2	9.4	9.4	9.4	No. 1	PRESSURE	450	450	450	450	No. 2	PRESSURE				
VISCOSITY	70	68	68	68	MODEL	S.P.M.	58	58	58	58	MODEL	S.P.M.				
GEL						LINER SIZE	5½ x 15					LINER SIZE				

W.L. 11 F.C. 2/32 pH. 10 GENERAL:

ADDITIVES:

MOTOR HOURS	Next Oil Change
1 260	
2 260	
3 260	
4 260	
5 128	

SURVEYS At Feet	Degrees

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1⅛	DOM	7-2778	8	6	4		50 : 100	18967	JAN 22	19467	2300

REMARKS

	TIME START	STOP	INTVL.
RIG SER + V BOPS	12 00	12 15	¼
DRILL 7⅞" HOLE	12 15	8 00	

DRILLER'S SIGNATURE

Tour — Midnight - 8 a.m.

Specify actual hours worked		Hrs.
Driller	E WHITEMAN	12
Derrick	A SHRUM	8
Motor	T COLDIN	8
Floor	T BRAZIL	8
Floor		
Floor		

Injuries: } NIL
Fires:

TOUR 8 AM TO 4 PM

From	Footage	To	Hrs. on Bottom	Hook Load	Stands	Singles	LENGTH	Drill Collars	No.	O.D.	LENGTH
2130	41	2171	7	80M	25		1565.15		19	6¼	567.53

Bit No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Feet Drilled Reamed/Cored	Hrs.	T	B	G	BIT INTERVAL
4	7⅞	H.W	3-3/16-16	19629	35M	80	91	15¼	IN			2080 2171

STRING TOTALS	
D. Pipe	1565.15
D. Collars	567.53
Subs Etc.	4.00
Kelly In.	34.00
Depth	2171.18

MUD	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP		8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP		8 a.m.	10 a.m.	12 noon	2 p.m.
WEIGHT	9.4	9.4	9.5	9.6	No. 1	PRESSURE	450	450	450	450	No. 2	PRESSURE				
VISCOSITY	100	76	72	70	MODEL	S.P.M.	58	58	58	58	MODEL	S.P.M.				
GEL						LINER SIZE	5½ x 15					LINER SIZE				

W.L. F.C. pH. GENERAL:

ADDITIVES: Caustic = 75 lbs
2 - Quebracho = 75 lbs

MOTOR HOURS	Next Oil Change
1 268	
2 268	
3 268	
4 268	
5 136	

SURVEYS At Feet	Degrees

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1⅛	DOM	7-2778	8	6			50 : 100	18967	JAN 22	19467	2300

REMARKS

	TIME START	STOP	INTVL.
RIG SER + V BOPS	8 00	8 15	¼
DRILL 7⅞" HOLE	8 15	11.30	3¼
WORK ON C-230 MUD PUMP	11.30	12.15	¾
DRILL 7⅞" HOLE	12.15	4:00	3¾

DRILLER'S SIGNATURE

Tour — 8 a.m. to 4 p.m.

Specify actual hours worked		Hrs.
Driller	P SCHUFFER	4
Derrick	W HEKEMONG	8
Motor	R OBERYCHUK	8
Floor	P ABRAMAS	8
Floor	M TATERSALL	8
Floor		

Mechanic
Injuries:
Fires:

TOUR 4 PM TO MIDNIGHT

From	Footage	To	Hrs. on Bottom	Hook Load	Stands	Singles	LENGTH	Drill Collars	No.	O.D.	LENGTH
2171	29	2200	4½	80m	25	1	1597.13		19	6¼	567.53

Bit No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Feet Drilled Reamed/Cored	Hrs.	T	B	G	BIT INTERVAL
4	7⅞	H.W	3-3/16	19629	35m	80	120	21				2080 2200

STRING TOTALS	
D. Pipe	1597.13
D. Collars	567.53
Subs Etc.	4.00
Kelly In.	
Depth	2200 ft

MUD	4 a.m.	6 a.m.	8 a.m.	10 a.m.	PUMP		4 a.m.	6 a.m.	8 a.m.	10 a.m.	PUMP		4 a.m.	6 a.m.	8 a.m.	10 a.m.
WEIGHT	9.5	9.6	9.6	9.5	No. 1	PRESSURE	450	450	450	450	No. 2	PRESSURE				
VISCOSITY	68	68	127	130	MODEL	S.P.M.	58	58	58	58	MODEL	S.P.M.				
GEL					2-10	LINER SIZE	5½ x 15					LINER SIZE				

W.L. 15 F.C. 2/32 pH. 10 GENERAL:

ADDITIVES: Gel = 1500 lbs
Celex = 100 lbs

MOTOR HOURS	Next Oil Change
1 276	
2 276	
3 276	
4 276	
5 144	

SURVEYS At Feet	Degrees
2200	

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1⅛	DOM	7-2778	8	6			50 : 100	18967	JAN 22	19467	2300

REMARKS

	TIME START	STOP	INTVL.
Rig Ser + V B.O.P.	4 00	4 15	¼
Drill 7⅞ hole	4 15	8 45	4½
Circ condition mud To Log	8 45	10 45	2
Survey	10 45	11 00	¼
Hoist condition hole To Log	11 00		
double Tally		12 00	1

DRILLER'S SIGNATURE

Tour — 4 p.m. to Midnight

Specify actual hours worked		Hrs.
Driller	M Quinn	8
Derrick	C CLEES	8
Motor	M Regnier	8
Floor	O Regnier	8
Floor	D Kipper	8
Floor		

Injuries: NIL
Fires:

B.O.P.	Tested	Elapsed Time	Pressure	Packing & Seal Inspected Date
Hydril				
Pipe Rams.				
Blind Rams.				

TOTCO RING ON BIT = Boiler Operated: 24 Hrs.

Crown-o-matic Chk'd.	
Rig Savers Chk'd.	
Kelly Cock Chk'd.	
Fire Equip. Chk'd.	

Fuel on Hand 12.01 a.m.	gals.
Fuel Rec'd Today (add)	gals.
TOTAL	gals.
Fuel on Hand 11.59 p.m. (deduct)	gals.
FUEL USED	gals.

CASING REPORT RAN JTS CSG TO KB. USED SAX CEM PLUS % PLUG DOWN A.M. P.M.

CEMENT RETURNS - (YES NO)

GENERAL: —

EQUIPMENT CHANGES

COAL ON HAND TONS

TRANSFER =

TOTAL COMPANY TIME HRS. TOTAL CONTRACTOR'S TIME HRS.

Approved by Operator's Representative

Approved by Toolpusher

Toolpusher Signature

SAFETY TALKS:—
Subject:-

Weather:-
Road Conditions:-

CONSERVATION BOARD COPY

BEAVER DRILLING LTD. DAILY DRILLING LOG

RIG NO. 3 LOCATION LAM SUR HMB JEAN MARIE LSD. 7-52 SEC. TWP. RGE. W.

RIG NO. 3

DIRECTIONS TO WELL

MAILING POINT

SHIPPING POINT

MILES MOVED FEB. 4 DATE FEB 4 1980

DATE FEB 4 1980

TOUR MIDNIGHT TO 8 AM

From	Footage	To	Hrs. on Bottom	Hook Load	Stands	Singles	LENGTH	Drill Collars	No.	O.D.	LENGTH
2200				80M	25	1	1597.13		19	6¼	567.53

BITS No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Feet Drilled Reamed/Cored	Hrs.	T	B	G	BIT INTERVAL
4	7⅞	W07	3-3-3	19629			120	21	5	4	1	2080 – 2200

MUD	12 mn	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.
WEIGHT			9.6	9.6	No. 1 PRESSURE					No. 2 PRESSURE				
VISCOSITY			336	138	MODEL S.P.M.					MODEL S.P.M.				
GEL					LINER SIZE					LINER SIZE				

W.L. 10 F.C. 2/32 pH. 10

GENERAL: CHANGE OIL IN FLOOR E PUMP MOTORS, BEARINGS, COMPRESSOR, DRAW WORKS

ADDITIVES:

SURVEYS At Feet	Degrees
2200	1¾

STRING TOTALS	
D. Pipe	1597.13
D. Collars	567.53
Subs Etc.	
BIT SUB	4.00
Kelly In.	32.00
Depth	2200.66

MOTOR HOURS	Next Oil Change
1 0	
2 0	
3 0	
4 0	
5 152	

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip or Cut (Feet)	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1¼	DOM	7-2775	8	7	48	19139	50 : 100	18967	JAN 22	19067	2300

TOUR 8 AM TO 4 PM

From	Footage	To	Hrs. on Bottom	Hook Load	Stands	Singles	LENGTH	Drill Collars	No.	O.D.	LENGTH
2200				80M	25	1	1597.13		19	6¼	567.53

BITS No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Feet Drilled Reamed/Cored	Hrs.	T	B	G	BIT INTERVAL
4	7⅞	W07	3-3-3	19629			120	21	5	4	1	2080 – 2200

MUD	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.
WEIGHT	9.5				No. 1 PRESSURE	450				No. 2 PRESSURE				
VISCOSITY	107				MODEL S.P.M.	68				MODEL S.P.M.				
GEL					LINER SIZE	5½ x 15				LINER SIZE				

W.L. F.C. pH.

GENERAL:

ADDITIVES:

SURVEYS At Feet	Degrees

STRING TOTALS	
D. Pipe	1597.13
D. Collars	567.53
Subs Etc.	
BIT SUB	4.00
Kelly In.	32.00
Depth	7200.66

MOTOR HOURS	Next Oil Change
1 9	240
2 9	"
3 9	"
4 9	"
5 160	"

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip or Cut (Feet)	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1¼	DOM	7-2775	8				50 : 100	18967	JAN 22	19467	2300

TOUR 4 PM TO MIDNIGHT

From	Footage	To	Hrs. on Bottom	Hook Load	Stands	Singles	LENGTH	Drill Collars	No.	O.D.	LENGTH
2200											

BITS No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Feet Drilled Reamed/Cored	Hrs.	T	B	G	BIT INTERVAL

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.
WEIGHT					No. 1 PRESSURE					No. 2 PRESSURE				
VISCOSITY					MODEL S.P.M.					MODEL S.P.M.				
GEL					LINER SIZE					LINER SIZE				

W.L. F.C. pH.

GENERAL:

ADDITIVES:

SURVEYS At Feet	Degrees

STRING TOTALS	
D. Pipe	
D. Collars	
Subs Etc.	
Kelly In.	
Depth	

MOTOR HOURS	Next Oil Change
1 16	
2 16	
3 16	
4 16	
5 162	

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip or Cut (Feet)	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1¼	DOM	7-2775	8	7		19139	50 : 100	18967	JAN 22	19467	2300

REMARKS

	TIME START	STOP	INTVL.
RIG SERV. & B.O.P.S.	12:00	12:15	¼
FINISH DUMMY TRIP	12:15	2:15	2
CIRC TO COND HOLE & WAIT	2:15		
ON LOGGERS		8:00	5¾

P. Schaffer
DRILLER'S SIGNATURE

RIG SERV. & B.O.P.S	8:00	8:15	¼
CIR TO COND HOLE & WAIT ON LOGGERS	8:15	9:30	1¼
PULL OUT OF HOLE	9:30	11:15	1¾
LOGGING W/SCHLUMBERGER	11:15	4:00	4¾

E. Wittmann
DRILLER'S SIGNATURE

Logging W/Schlumberger	4:00	6:30	2½
Lay down Core bbl +	6:30		
10 drill collars		7:30	3
WAIT ON orders	9:30	12:00	2½

DRILLER'S SIGNATURE

Tour — Midnight - 8 a.m.

Specify actual hours worked

		Hrs.
Driller	P. SCHAFFER	8
Derrick	A. SHAUM	8
Motor	J. GOLDEN	8
Floor	J. ARAZEL	8
Floor	P. ABRAMENKO	8
Floor		

Injuries:

Fires:

Tour — 8 a.m. to 4 p.m.

Specify actual hours worked

		Hrs.
Driller	E. WITTMANN	8
Derrick	W. MCKERNON	8
Motor	R. ONSERYHUK	8
Floor	M. SAFFER SALL	8
Floor	G. LARSON	8
Floor		

Mechanic

Injuries: NIL

Fires:

Tour — 4 p.m. to Midnight

Specify actual hours worked

		Hrs.
Driller	M. QUINN	8
Derrick	C. LEWIS	8
Motor	M. REGNEIR	8
Floor	O. REGNEIR	8
Floor	D. KIEPPER	8
Floor		

Injuries: NIL

Fires:

B.O.P.	Tested	Elapsed Time	Pressure	Packing & Seal Inspected Date
Hydril				
Pipe Rams.				
Blind Rams.				

TOTCO RING ON BIT #

Boiler Operated: 24 Hrs.

Crown-o-matic Chk'd.

Rig Savers Chk'd.

Kelly Cock Chk'd.

Fire Equip. Chk'd.

Fuel on Hand 12.01 a.m. gals.

Fuel Rec'd Today (add) gals.

TOTAL gals.

Fuel on Hand 11.59 p.m. (deduct) gals.

FUEL USED gals.

CASING REPORT RAN JTS CSG

TO KB. USED SAX CEM

PLUS % PLUG DOWN A.M. P.M.

CEMENT RETURNS - (YES NO)

GENERAL:—

EQUIPMENT CHANGES

TRANSFER =

COAL ON HAND TONS

TOTAL COMPANY TIME HRS.

TOTAL CONTRACTOR'S TIME HRS.

Approved by Operator's Representative

Approved by Toolpusher

Toolpusher Signature

SAFETY TALKS

Subject:-

Weather:-

Road Conditions:-

CONSERVATION BOARD COPY

BEAVER DRILLING LTD. DAILY DRILLING LOG

RIG NO. 8 LOCATION CANSUP KING JEAN MARIE LSD. 5-52 SEC. ___ TWP. ___ RGE. ___ W. ___ RIG NO. 3

DIRECTIONS TO WELL ___ MAILING POINT ___ SHIPPING POINT ___ MILES MOVED ___ DATE FEB 5 1980 DATE FEB 5 1980

TOUR MIDNIGHT TO 8 AM

From	Footage	To	Hrs. on Bottom	Hook Load	Stands	Singles	LENGTH	Drill Collars	No.	O.D.	LENGTH
	2200				25	1	1597.13		19	6½	567.53

BIT	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Feet Drilled Reamed/Cored	Hrs.	T	B	G	BIT INTERVAL
1													
2													
3													
4													
5													

MUD	12 mn	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.
WEIGHT					No. 1 PRESSURE					No. 2 PRESSURE				
VISCOSITY					MODEL S.P.M.					MODEL S.P.M.				
GEL					LINER SIZE					LINER SIZE				

W.L. F.C. pH. GENERAL: CHANGE OIL IN MIXING PUMP MOTOR

ADDITIVES:

SURVEYS: At Feet / Degrees

STRING TOTALS	
D. Pipe	1597.13
D. Collars	567.53
Subs Etc.	4.00
Kelly In.	37.00
Depth	2200.16

MOTOR HOURS	Next Oil Change
1 24	240
2 24	
3 24	
4 24	
5 0	

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1¼	DOM	7-2778	8	7	48	19187	50	:100	18967	JAN 22	19467	2300

REMARKS	TIME START	STOP	INTVL.
WAIT ON ORDERS	12:00	8:00	8

DRILLER'S SIGNATURE

Tour — Midnight - 8 a.m.

Specify actual hours worked	Hrs.
Driller R. SCHAEFER	8
Derrick A. SHRAM	8
Motor J. GOLDEN	8
Floor J. GARZEL	8
Floor R. ABRAMENKO	8
Floor	

Injuries:

Fires:

TOUR 8 AM TO 4 PM

From	Footage	To	Hrs. on Bottom	Hook Load	Stands	Singles	LENGTH	Drill Collars	No.	O.D.	LENGTH
2200					25	1	1597.13		19	6½	567.53

BIT	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Feet Drilled Reamed/Cored	Hrs.	T	B	G	BIT INTERVAL
1	—												
2													
3													
4													
5													

MUD	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.
WEIGHT					No. 1 PRESSURE					No. 2 PRESSURE				
VISCOSITY					MODEL S.P.M.					MODEL S.P.M.				
GEL					LINER SIZE					LINER SIZE				

W.L. F.C. pH. GENERAL:

ADDITIVES:

SURVEYS: At Feet / Degrees

STRING TOTALS	
D. Pipe	1597.13
D. Collars	567.53
Bit Sub	4.00
Kelly In.	32.00
Depth	2200.16

MOTOR HOURS	Next Oil Change
1 34	240
2 32	
3 32	
4 32	
5 8	

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1¼	DOM	7-2778	8	7	45	19187	50	:100	18967	JAN 22	19467	2300

REMARKS	TIME START	STOP	INTVL.
WAIT ON ORDERS	8:00	2:30	6½
LAY DOWN COLLARS	2:30	3:30	1
START IN HOLE TO RUN CEMENT	3:30	4:00	½
			8

DRILLER'S SIGNATURE

Tour — 8 a.m. to 4 p.m.

Specify actual hours worked	Hrs.
Driller B. WESTERMAN	8
Derrick W. HERRINGER	8
Motor R. ONOFRYCHUK	8
Floor M. TAYLERSALL	8
Floor G. LARSON	8
Floor	
Mechanic	

Injuries: } NIL
Fires: }

TOUR 4 PM TO MIDNIGHT

From	Footage	To	Hrs. on Bottom	Hook Load	Stands	Singles	LENGTH	Drill Collars	No.	O.D.	LENGTH

BIT	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Feet Drilled Reamed/Cored	Hrs.	T	B	G	BIT INTERVAL
1													
2													
3													
4													
5													

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.
WEIGHT					No. 1 PRESSURE					No. 2 PRESSURE				
VISCOSITY					MODEL S.P.M.					MODEL S.P.M.				
GEL					LINER SIZE					LINER SIZE				

W.L. F.C. pH. GENERAL:

ADDITIVES:

SURVEYS: At Feet / Degrees

STRING TOTALS	
D. Pipe	
D. Collars	
Subs Etc.	
Kelly In.	
Depth	

MOTOR HOURS	Next Oil Change
1 40	
2 40	
3 40	
4 40	
5 8	

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Mile	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1¼	DOM	7-2778	8	8	48	19235	50	:100	18967	JAN 22	19467	2300

REMARKS	TIME START	STOP	INTVL.
Run in hole open end	4:00	5:00	1
Circ to run plugs	5:00	6:30	1½
Run plug #1	6:30	7:15	3/4
Pull out of hole measure in	7:15		
To run plug #2		8:30	1¼
Run plug #2	8:30	9:00	1½
W O C	9:00	12:00	3

DRILLER'S SIGNATURE

Tour — 4 p.m. to Midnight

Specify actual hours worked	Hrs.
Driller M. GUINN	8
Derrick C. LEWIS	8
Motor M. REGNERIN	8
Floor O. REGNERIN	8
Floor D. KLEPPER	7
Floor	

Injuries: } NIL
Fires: }

B.O.P.	Tested	Elapsed Time	Pressure	Packing & Seal Inspected Date
Hydril				
Pipe Rams.				
Blind Rams.				

TOTCO RING ON BIT ≠ Boiler Operated: 24 Hrs.

Crown-o-matic Chk'd. / Rig Savers Chk'd. / Kelly Cock Chk'd. / Fire Equip. Chk'd.

Fuel on Hand 12.01 a.m. ___ gals.
Fuel Rec'd Today (add) ___ gals.
TOTAL ___ gals.
Fuel on Hand 11.59 p.m. (deduct) ___ gals.
FUEL USED ___ gals.

CASING REPORT: RAN ___ JTS ___ CSG ___ TO ___ KB. USED ___ SAX ___ CEM ___ PLUS ___ % PLUG DOWN ___ A.M. P.M. CEMENT RETURNS - (YES - NO)

GENERAL: —

EQUIPMENT CHANGES

TRANSFER ≠

COAL ON HAND ___ TONS

TOTAL COMPANY TIME ___ HRS. TOTAL CONTRACTOR'S TIME ___ HRS.

Approved by Operator's Representative

Approved by Toolpusher

Toolpusher Signature

SAFETY TALKS:—

Subject:-

Weather:-

Road Conditions:-

CONSERVATION BOARD COPY

BEAVER DRILLING LTD. DAILY DRILLING LOG

RIG NO. 3 LOCATION CAN SUP K MC TEAR MARSE LSD. J-52 SEC. ___ TWP. ___ RGE. ___ W. ___ RIG NO. 3

DIRECTIONS TO WELL ___ MAILING POINT ___ SHIPPING POINT ___ MILES MOVED ___ DATE FEB 6 1970 DATE FEB 6 1970

TOUR MIDNIGHT TO 8 AM

From	Footage	To	Hrs. on Bottom	Hook Load	Stands	Singles	LENGTH	Drill Collars	No.	O.D.	LENGTH

BIT	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Feet Drilled Reamed/Cored	Hrs.	T	B	G	BIT INTERVAL

MUD	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.
WEIGHT					No. 1 PRESSURE					No. 2 PRESSURE				
VISCOSITY					MODEL S.P.M.					MODEL S.P.M.				
GEL					LINER SIZE					LINER SIZE				

W.L. F.C. pH. GENERAL:

ADDITIVES:

SURVEYS: At Feet / Degrees

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool

STRING TOTALS: D. Pipe; D. Collars; Subs Etc.; Kelly In.; Depth

MOTOR HOURS: 1, 2, 3, 4, 5 — Next Oil Change

TOUR 8 AM TO 4 PM

From	Footage	To	Hrs. on Bottom	Hook Load	Stands	Singles	LENGTH	Drill Collars	No.	O.D.	LENGTH

BIT	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Feet Drilled Reamed/Cored	Hrs.	T	B	G	BIT INTERVAL

MUD	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.
WEIGHT					No. 1 PRESSURE					No. 2 PRESSURE				
VISCOSITY					MODEL S.P.M.					MODEL S.P.M.				
GEL					LINER SIZE					LINER SIZE				

W.L. F.C. pH. GENERAL:

ADDITIVES:

SURVEYS: At Feet / Degrees

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool

STRING TOTALS: D. Pipe; D. Collars; Subs Etc.; Kelly In.; Depth

MOTOR HOURS: 1, 2, 3, 4, 5 — Next Oil Change

TOUR 4 PM TO MIDNIGHT

From	Footage	To	Hrs. on Bottom	Hook Load	Stands	Singles	LENGTH	Drill Collars	No.	O.D.	LENGTH

BIT	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Feet Drilled Reamed/Cored	Hrs.	T	B	G	BIT INTERVAL

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.
WEIGHT					No. 1 PRESSURE					No. 2 PRESSURE				
VISCOSITY					MODEL S.P.M.					MODEL S.P.M.				
GEL					LINER SIZE					LINER SIZE				

W.L. F.C. pH. GENERAL:

ADDITIVES:

SURVEYS: At Feet / Degrees

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool

STRING TOTALS: D. Pipe; D. Collars; Subs Etc.; Kelly In.; Depth

MOTOR HOURS: 1, 2, 3, 4, 5 — Next Oil Change

REMARKS

	TIME START	TIME STOP	INTVL.
W. O. C	12:00	4:30	4½
RUN IN TO FEEL PLUG #2	4:30		
PLUG IN PLACE		5:00	½
LAY DOWN PIPE	5:00	5:45	¾
TEAR B.O.E	5:45	8:00	2¼

P. Schaffer — DRILLER'S SIGNATURE

TEAR OUT BOP - RIG OUT	12:00	4:00	8.

Boiler Shut down @ 3 PM Feb 6/70.

Rig Released 12.01 PM Feb 6th 1970
Thanks to Rig & crews for jobs well done

A. Blum — DRILLER'S SIGNATURE

TEAR OUT Rig & WASH BOILER..			

A. Blum — DRILLER'S SIGNATURE

Tour — Midnight - 8 a.m.

Specify actual hours worked	Hrs.
Driller P. SCHAFFER	8
Derrick A. SHAUM	8
Motor I. GOLDEN	8
Floor J. AZAZEL	8
Floor P. ABRAMENKO	8
Floor	

Injuries:

Fires:

Tour — 8 a.m. to 4 p.m.

Specify actual hours worked	Hrs.
Driller E WELLGEMEL	8
Derrick J MCLEAN	8
Motor R ONSCHANOWICH	8
Floor M FITZGERALD	8
Floor G LARSON	8
Floor	

Mechanic

Injuries:

Fires: NIL

Tour — 4 p.m. to Midnight

Specify actual hours worked	Hrs.
Driller A. Blum	8
Derrick P. Lewis	8
Motor A. Reamer	8
Floor D. KNIPPER	8
Floor D. Register	8
Floor	

Injuries:

Fires: NIL.

B.O.P.	Tested	Elapsed Time	Pressure	Packing & Seal Inspected Date
Hydril				
Pipe Rams.				
Blind Rams.				

TOTCO RING ON BIT # ___ Boiler Operated: 8½ Hrs.

Crown-o-matic Chk'd. ___ Rig Savers Chk'd. ___ Kelly Cock Chk'd. ___ Fire Equip. Chk'd. ___

Fuel on Hand 12.01 a.m. ___ gals.
Fuel Rec'd Today (add) ___ gals.
TOTAL ___ gals.
Fuel on Hand 11.59 p.m. (deduct) ___ gals.
FUEL USED ___ gals.

CASING REPORT: RAN ___ JTS ___ CSG; TO ___ KB. USED ___ SAX ___ CEM; PLUS ___ % PLUG DOWN ___ A.M. P.M.; CEMENT RETURNS - (YES / NO)

GENERAL: —

EQUIPMENT CHANGES

TRANSFER =

COAL ON HAND ___ TONS

TOTAL COMPANY TIME ___ HRS.

TOTAL CONTRACTOR'S TIME ___ HRS.

Approved by Operator's Representative

Approved by Toolpusher

Toolpusher Signature

SAFETY TALKS:—

Subject:-

Weather:-

Road Conditions:-

CONSERVATION BOARD COPY

BEAVER DRILLING LTD. DAILY DRILLING LOG

RIG NO. 3 LOCATION F. CAN S.P Jean. MARIE LSD. I-52 SEC. TWP. RGE. W. RIG NO. 3.

DIRECTIONS TO WELL | MAILING POINT | SHIPPING POINT | MILES MOVED | DATE Feb. 7. 1970 | DATE Feb 7 1970.

TOUR MIDNIGHT TO 8 AM

From	Footage	To	Hrs. on Bottom	Hook Load	Stands	Singles	LENGTH	Drill Collars	No.	O.D.	LENGTH

BITS	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Feet Drilled Reamed/Cored	Hrs.	T	B	G	BIT INTERVAL

MUD	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.
WEIGHT					No. 1 PRESSURE					No. 2 PRESSURE				
VISCOSITY					MODEL S.P.M.					MODEL S.P.M.				
GEL					LINER SIZE					LINER SIZE				

W.L. F.C. pH. GENERAL:

ADDITIVES:

SURVEYS: At Feet | Degrees

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool

STRING TOTALS: D. Pipe | D. Collars | Subs Etc. | Kelly In. | Depth

MOTOR HOURS | Next Oil Change: 1, 2, 3, 4, 5

REMARKS: Tear out Rig.

TIME: START | STOP | INTVL.

DRILLER'S SIGNATURE

Tour — Midnight - 8 a.m.

Specify actual hours worked		Hrs.
Driller	P. Schaffer	8
Derrick	A. Shaum	8
Motor	F. Cofton	8
Floor	T. Bratel.	8
Floor	F. Abramenko	8
Floor		

Injuries:

Fires:

JUR 8 AM TO 4 PM

From	Footage	To	Hrs. on Bottom	Hook Load	Stands	Singles	LENGTH	Drill Collars	No.	O.D.	LENGTH

BITS	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Feet Drilled Reamed/Cored	Hrs.	T	B	G	BIT INTERVAL

MUD	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.
WEIGHT					No. 1 PRESSURE					No. 2 PRESSURE				
VISCOSITY					MODEL S.P.M.					MODEL S.P.M.				
GEL					LINER SIZE					LINER SIZE				

W.L. F.C. pH. GENERAL:

ADDITIVES:

SURVEYS: At Feet | Degrees

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool

STRING TOTALS: D. Pipe | D. Collars | Subs Etc. | Kelly In. | Depth

MOTOR HOURS | Next Oil Change: 1, 2, 3, 4, 5

REMARKS: Tear out Rig

TIME	START	STOP	INTVL.
	8 00	5 00	9

DRILLER'S SIGNATURE

Tour — 8 a.m. to 4 p.m.

Specify actual hours worked		Hrs.
Driller	[illegible]	9
Derrick	W. Peterson	9
Motor	R. Chorkrypuk	9
Floor	M. Tatersal	9
Floor	G. Larson	9
Floor		
Mechanic		

Injuries: } N.L

Fires:

TOUR 4 PM TO MIDNIGHT

From	Footage	To	Hrs. on Bottom	Hook Load	Stands	Singles	LENGTH	Drill Collars	No.	O.D.	LENGTH

BITS	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Feet Drilled Reamed/Cored	Hrs.	T	B	G	BIT INTERVAL

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.
WEIGHT					No. 1 PRESSURE					No. 2 PRESSURE				
VISCOSITY					MODEL S.P.M.					MODEL S.P.M.				
GEL					LINER SIZE					LINER SIZE				

W.L. F.C. pH. GENERAL:

ADDITIVES:

SURVEYS: At Feet | Degrees

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool

STRING TOTALS: D. Pipe | D. Collars | Subs Etc. | Kelly In. | Depth

MOTOR HOURS | Next Oil Change: 1, 2, 3, 4, 5

REMARKS: Tear out Rig & Load Trucks.

TIME	START	STOP	INTVL.
	12 00		
		10 00	10

M. Quinn DRILLER'S SIGNATURE

Tour — 4 p.m. to Midnight

Specify actual hours worked		Hrs.
Driller	M. Quinn.	10
Derrick	C. Lewis	10
Motor	M. Reimer	10
Floor	E. Kipper	10
Floor	D. Reimer	10.
Floor		

Injuries:

Fires:

B.O.P.	Tested	Elapsed Time	Pressure	Packing & Seal Inspected Date
Hydril				
Pipe Rams.				
Blind Rams.				

TOTCO RING ON BIT ⇌ Boiler Operated: Hrs.

Crown-o-matic Chk'd. | Rig Savers Chk'd. | Kelly Cock Chk'd. | Fire Equip. Chk'd.

Fuel on Hand 12.01 a.m. gals.
Fuel Rec'd Today (add) gals.
TOTAL gals.
Fuel on Hand 11.59 p.m. (deduct) gals.
FUEL USED gals.

CASING REPORT: RAN JTS CSG; TO KB. USED SAX CEM; PLUS % PLUG DOWN A.M. P.M.; CEMENT RETURNS - (YES NO)

GENERAL:

EQUIPMENT CHANGES

TRANSFER =

COAL ON HAND TONS

TOTAL COMPANY TIME HRS.

TOTAL CONTRACTOR'S TIME HRS.

Approved by Operator's Representative

Approved by Toolpusher

Toolpusher Signature

SAFETY TALKS:—

Subject:-

Weather:-

Road Conditions:-

CONSERVATION BOARD COPY

BEAVER DRILLING LTD. DAILY DRILLING LOG

RIG NO. 3 LOCATION G. CAN S.P. JEAN MARIE LSD. J-52 SEC. TWP. RGE. W.

RIG NO. 3.

DIRECTIONS TO WELL

MAILING POINT

SHIPPING POINT

MILES MOVED

DATE Feb. 7. 1970

DATE Feb 7 1970.

TOUR MIDNIGHT TO 8 AM

From	Footage	To	Hrs. on Bottom	Hook Load	Stands	Singles	LENGTH	Drill Collars	No.	O.D.	LENGTH

BITS	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Feet Drilled Reamed/Cored	Hrs.	T	B	G	BIT INTERVAL
1													
2													
3													

MUD	12 mn	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.
WEIGHT					No. 1 PRESSURE					No. 2 PRESSURE				
VISCOSITY					MODEL S.P.M.					MODEL S.P.M.				
GEL					LINER SIZE					LINER SIZE				

W.L. F.C. pH. GENERAL:

ADDITIVES:

SURVEYS: At Feet / Degrees

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool

STRING TOTALS: D. Pipe / D. Collars / Subs Etc. / Kelly In. / Depth

MOTOR HOURS: 1, 2, 3, 4, 5 — Next Oil Change

REMARKS: Tear out Rig.

TIME: START / STOP / INTVL.

DRILLER'S SIGNATURE

Tour — Midnight - 8 a.m.

Specify actual hours worked	Hrs.
Driller P. Schaffer	8
Derrick A. Shaum	8
Motor T. Pflan	8
Floor T. Bazel	8
Floor P. Abramenko	8
Floor	

Injuries:

Fires:

TOUR 8 AM TO 4 PM

From	Footage	To	Hrs. on Bottom	Hook Load	Stands	Singles	LENGTH	Drill Collars	No.	O.D.	LENGTH

BITS	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Feet Drilled Reamed/Cored	Hrs.	T	B	G	BIT INTERVAL
1													
2													
3													

MUD	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.
WEIGHT					No. 1 PRESSURE					No. 2 PRESSURE				
VISCOSITY					MODEL S.P.M.					MODEL S.P.M.				
GEL					LINER SIZE					LINER SIZE				

W.L. F.C. pH. GENERAL:

ADDITIVES:

SURVEYS: At Feet / Degrees

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool

STRING TOTALS: D. Pipe / D. Collars / Subs Etc. / Kelly In. / Depth

MOTOR HOURS: 1, 2, 3, 4, 5 — Next Oil Change

REMARKS: Tear out Rig

TIME: START 8:00 / STOP 5:00 / INTVL. 9

DRILLER'S SIGNATURE

Tour — 8 a.m. to 4 p.m.

Specify actual hours worked	Hrs.
Driller Ed Whitman	9
Derrick W. McKinnon	9
Motor R. Chorkaypuk	9
Floor M. Tatarsal	9
Floor G. Larson	9
Floor	
Mechanic	

Injuries:

Fires: NIL

TOUR 4 PM TO MIDNIGHT

From	Footage	To	Hrs. on Bottom	Hook Load	Stands	Singles	LENGTH	Drill Collars	No.	O.D.	LENGTH

BITS	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Feet Drilled Reamed/Cored	Hrs.	T	B	G	BIT INTERVAL
1													
2													
3													

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.
WEIGHT					No. 1 PRESSURE					No. 2 PRESSURE				
VISCOSITY					MODEL S.P.M.					MODEL S.P.M.				
GEL					LINER SIZE					LINER SIZE				

W.L. F.C. pH. GENERAL:

ADDITIVES:

SURVEYS: At Feet / Degrees

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool

STRING TOTALS: D. Pipe / D. Collars / Subs Etc. / Kelly In. / Depth

MOTOR HOURS: 1, 2, 3, 4, 5 — Next Oil Change

REMARKS: Tear out Rig & Load Trucks.

TIME: START 4:00 / STOP 10:00 / INTVL. 10

DRILLER'S SIGNATURE

Tour — 4 p.m. to Midnight

Specify actual hours worked	Hrs.
Driller M. Quinn	10
Derrick C. Lewis	10
Motor M. Reimer	10
Floor L. Kezimer	10
Floor D. Regier	10
Floor	

Injuries:

Fires:

B.O.P.	Tested	Elapsed Time	Pressure	Packing & Seal Inspected Date
Hydril				
Pipe Rams.				
Blind Rams.				

TOTCO RING ON BIT ⇄ Boiler Operated: Hrs.

Crown-o-matic Chk'd. / Rig Savers Chk'd. / Kelly Cock Chk'd. / Fire Equip. Chk'd.

Fuel on Hand 12 01 a.m.		gals.
Fuel Rec'd Today (add)		gals.
TOTAL		gals.
Fuel on Hand 11.59 p.m. (deduct)		gals.
FUEL USED		gals.

CASING REPORT: RAN JTS CSG TO KB. USED SAX CEM PLUS % PLUG DOWN A.M. P.M. CEMENT RETURNS - (YES - NO)

GENERAL:

EQUIPMENT CHANGES

TRANSFER =

COAL ON HAND TONS

TOTAL COMPANY TIME HRS.

TOTAL CONTRACTOR'S TIME HRS.

Approved by Operator's Representative

Approved by Toolpusher

Toolpusher Signature

SAFETY TALKS:—

Subject:-

Weather:-

Road Conditions:-

CONSERVATION BOARD COPY

BEAVER DRILLING LTD. DAILY DRILLING LOG

RIG NO. 3. LOCATION Chg S.P. Hole. Tex. Marks. Sec. 5 TWP. RGE. W. RIG NO. 3

DIRECTIONS TO WELL MAILING POINT SHIPPING POINT MILES MOVED DATE Feb 2. 1970 DATE Feb 2 1970.

TOUR MIDNIGHT TO 8 AM

From	Footage	To	Hrs. on Bottom	Hook Load	Stands	Singles	LENGTH	Drill Collars	No.	O.D.	LENGTH

BITS	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Feet Drilled Reamed/Cored	Hrs.	T	B	G	BIT INTERVAL

MUD	12 mn	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.
WEIGHT					No. 1 PRESSURE					No. 2 PRESSURE				
VISCOSITY					MODEL S.P.M.					MODEL S.P.M.				
GEL					LINER SIZE					LINER SIZE				

W.L. F.C. pH. GENERAL:

ADDITIVES:

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool

STRING TOTALS	
D. Pipe	
D. Collars	
Subs Etc.	
Kelly In.	
Depth	
MOTOR HOURS	Next Oil Change
1	
2	
3	
4	
5	

SURVEYS: At Feet / Degrees

TOUR 8 AM TO 4 PM

From	Footage	To	Hrs. on Bottom	Hook Load	Stands	Singles	LENGTH	Drill Collars	No.	O.D.	LENGTH

BITS	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Feet Drilled Reamed/Cored	Hrs.	T	B	G	BIT INTERVAL

MUD	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.
WEIGHT					No. 1 PRESSURE					No. 2 PRESSURE				
VISCOSITY					MODEL S.P.M.					MODEL S.P.M.				
GEL					LINER SIZE					LINER SIZE				

W.L. F.C. pH. GENERAL:

ADDITIVES:

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool

STRING TOTALS	
D. Pipe	
D. Collars	
Subs Etc.	
Kelly In.	
Depth	
MOTOR HOURS	Next Oil Change
1	
2	
3	
4	
5	

SURVEYS: At Feet / Degrees

TOUR 4 PM TO MIDNIGHT

From	Footage	To	Hrs. on Bottom	Hook Load	Stands	Singles	LENGTH	Drill Collars	No.	O.D.	LENGTH

BITS	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Feet Drilled Reamed/Cored	Hrs.	T	B	G	BIT INTERVAL

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.
WEIGHT					No. 1 PRESSURE					No. 2 PRESSURE				
VISCOSITY					MODEL S.P.M.					MODEL S.P.M.				
GEL					LINER SIZE					LINER SIZE				

W.L. F.C. pH. GENERAL:

ADDITIVES:

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool

STRING TOTALS	
D. Pipe	
D. Collars	
Subs Etc.	
Kelly In.	
Depth	
MOTOR HOURS	Next Oil Change
1	
2	
3	
4	
5	

SURVEYS: At Feet / Degrees

REMARKS

	TIME START	TIME STOP	TIME INTVL.
Load. out Rig	2pm	2am	6

DRILLER'S SIGNATURE

Load out Rig for Ft Simpson.

Camp served Breakfast Last meal. Feb. 2/70.

DRILLER'S SIGNATURE

Feb. 4/70.

Trailer from Ft. Simpson in Pick up.

DRILLER'S SIGNATURE

Tour — Midnight - 8 a.m.

Specify actual hours worked	Hrs.
Driller E. Patterson	6
Derrick W. Patterson	6
Motor R. Dorey	6
Floor W. Tatsal	6
Floor E. Wilson	6
Floor	

Injuries:

Fires:

Tour — 8 a.m. to 4 p.m.

Specify actual hours worked	Hrs.
Driller M. Colin	10
Derrick C. Fouts	6
Motor M. Kenier	6
Floor L. Kenier	6
Floor D. Kenier	6
Floor	
Mechanic	

Injuries:

Fires:

Tour — 4 p.m. to Midnight

Specify actual hours worked	Hrs.
Driller M. Colin	8
Derrick	
Motor	
Floor	
Floor	
Floor	

Injuries:

Fires:

B.O.P.	Tested	Elapsed Time	Pressure	Packing & Seal Inspected Date
Hydril				
Pipe Rams.				
Blind Rams.				

TOTCO RING ON BIT # Boiler Operated: Hrs.

Crown-o-matic Chk'd.	
Rig Savers Chk'd.	
Kelly Cock Chk'd.	
Fire Equip. Chk'd.	

Fuel on Hand 12 01 a.m.	gals.
Fuel Rec'd Today (add)	gals.
TOTAL	gals.
Fuel on Hand 11.59 p.m. (deduct)	gals.
FUEL USED	gals.

CASING REPORT RAN JTS CSG TO KB. USED SAX CEM PLUS % PLUG DOWN A.M. P.M. CEMENT RETURNS - (YES / NO)

GENERAL: —

EQUIPMENT CHANGES

TRANSFER #

COAL ON HAND TONS

TOTAL COMPANY TIME HRS.

TOTAL CONTRACTOR'S TIME HRS.

Approved by Operator's Representative

Approved by Toolpusher

Toolpusher Signature

SAFETY TALKS:—

Subject:-

Weather:-

Road Conditions:-

CONSERVATION BOARD COPY

BEAVER DRILLING LTD. DAILY DRILLING LOG

RIG NO. 3 LOCATION Great Plains LSD. 15 SEC. 17 TWP. 21 RGE. 15 W. 3rd RIG NO. 3

DIRECTIONS TO WELL ____ MAILING POINT ____ SHIPPING POINT ____ MILES MOVED ____ DATE Feb. 10 1970 DATE Feb. 10 1970

TOUR MIDNIGHT TO 8 AM

From	Footage	To	Hrs. on Bottom	Hook Load	Stands	Singles	LENGTH	Drill Collars	No.	O.D.	LENGTH

BITS	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Feet Drilled Reamed/Cored	Hrs.	T	B	G	BIT INTERVAL

MUD	12 mn	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.
WEIGHT					No. 1 PRESSURE					No. 2 PRESSURE				
VISCOSITY					MODEL S.P.M.					MODEL S.P.M.				
GEL					LINER SIZE					LINER SIZE				

W.L. F.C. pH. GENERAL:

ADDITIVES:

STRING TOTALS	
D. Pipe	
D. Collars	
Subs Etc.	
Kelly In.	
Depth	

MOTOR HOURS	Next Oil Change
1	
2	
3	
4	
5	

SURVEYS At Feet	Degrees

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool

REMARKS

Unload Rig & Rig up @ New Location.

DRILLER'S SIGNATURE

TIME	START	STOP	INTVL.

Tour — Midnight - 8 a.m.

Specify actual hours worked	Hrs.
Driller	
Derrick	
Motor	
Floor	
Floor E. LARSON	6.
Floor	
Injuries:	
Fires:	

TOUR 8 AM TO 4 PM

From	Footage	To	Hrs. on Bottom	Hook Load	Stands	Singles	LENGTH	Drill Collars	No.	O.D.	LENGTH

BITS	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Feet Drilled Reamed/Cored	Hrs.	T	B	G	BIT INTERVAL

MUD	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.
WEIGHT					No. 1 PRESSURE					No. 2 PRESSURE				
VISCOSITY					MODEL S.P.M.					MODEL S.P.M.				
GEL					LINER SIZE					LINER SIZE				

W.L. F.C. pH. GENERAL:

ADDITIVES:

STRING TOTALS	
D. Pipe	
D. Collars	
Subs Etc.	
Kelly In.	
Depth	

MOTOR HOURS	Next Oil Change
1	
2	
3	
4	
5	

SURVEYS At Feet	Degrees

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool

REMARKS

Unload Camp & Rig up Stage @ New Location

Camp Served Supper. First meal Feb. 10/70

DRILLER'S SIGNATURE

Tour — 8 a.m. to 4 p.m.

Specify actual hours worked	Hrs.
Driller M. Quinn	10.
Derrick	
Motor	
Floor	
Floor	
Floor	
Mechanic	
Injuries:	
Fires:	

TOUR 4 PM TO MIDNIGHT

From	Footage	To	Hrs. on Bottom	Hook Load	Stands	Singles	LENGTH	Drill Collars	No.	O.D.	LENGTH

BITS	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Feet Drilled Reamed/Cored	Hrs.	T	B	G	BIT INTERVAL

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.
WEIGHT					No. 1 PRESSURE					No. 2 PRESSURE				
VISCOSITY					MODEL S.P.M.					MODEL S.P.M.				
GEL					LINER SIZE					LINER SIZE				

W.L. F.C. pH. GENERAL:

ADDITIVES:

STRING TOTALS	
D. Pipe	
D. Collars	
Subs Etc.	
Kelly In.	
Depth	

MOTOR HOURS	Next Oil Change
1	
2	
3	
4	
5	

SURVEYS At Feet	Degrees

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool

REMARKS

Unload Rig & Rig up @ New Location.

DRILLER'S SIGNATURE

Tour — 4 p.m. to Midnight

Specify actual hours worked	Hrs.
Driller P. SCHAFFER	10
Derrick A. Sharm	10
Motor T. Golden	2
Floor T. GRAZEL	2
Floor	
Floor	
Injuries:	
Fires:	

B.O.P.	Tested	Elapsed Time	Pressure	Packing & Seal Inspected Date
Hydril				
Pipe Rams.				
Blind Rams.				

TOTCO RING ON BIT # ____ Boiler Operated: ____ Hrs.

Crown-o-matic Chk'd.	
Rig Savers Chk'd.	
Kelly Cock Chk'd.	
Fire Equip. Chk'd.	

Fuel on Hand 12 01 a.m.	gals.
Fuel Rec'd Today (add)	gals.
TOTAL	gals.
Fuel on Hand 11.59 p.m. (deduct)	gals.
FUEL USED	gals.

CASING REPORT RAN ____ JTS ____ CSG ____ TO ____ KB. USED ____ SAX ____ CEM ____ PLUS ____ % PLUG DOWN ____ A.M. P.M. CEMENT RETURNS - (YES - NO)

GENERAL: —

EQUIPMENT CHANGES

COAL ON HAND ____ TONS

TRANSFER =

TOTAL COMPANY TIME ____ HRS.

TOTAL CONTRACTOR'S TIME ____ HRS.

Approved by Operator's Representative

Approved by Toolpusher

Toolpush Signature

SAFETY TALKS:—

Subject:-

Weather:-

Road Conditions:-

CONSERVATION BOARD COPY

Form 126

SURF. CSG. SIZE 10 3/4" AT 440
INTER. CSG. SIZE ____ "AT ____
K.B. ELEV. 632
GROUND ELEV. 614
K.B. TO CSG. FLANGE 18.01

CANADIAN SUPERIOR OIL LTD.

DAILY DRILLING REPORT

CONTRACTOR BEAVER DRILLING
SERVICE/ROTARY RIG NO. 3

DATE FEB. 6 1970
FIELD WILDCAT
LEASE CANSUP ET AL
WELL NO. FAN MARE J-52
PROVINCE N.W.T.

MIDNIGHT TO 8:00 A.M.

WEATHER ____ TEMP ____

DETAILS OF DRILLING STRING

	STDS.	SLGS.	SIZE	LENGTH
D.P.				
D.C.				
SUBS				
KELLY LENGTH				
TOTAL ON HOOK				
UP ON KELLY				
TOTAL DEPTH				

TOUR DRILLING, RATHOLING & REAMING RECORD

FROM	TO	HOURS	WEIGHT	FORMATION

BIT AND CORE HEAD RECORD

BIT NO.	SIZE	MAKE	SERIAL	FOOTAGE	HOURS

INCLINATION AND DIRECTIONAL SURVEYS

MAKE AND TYPE	DEPTH	DEGREE AND DIRECTION

SIGNED P. Schaffer DRILLER

DETAILS OF MUD TESTS

TIME	WT.	VIS.	W.L.	CAKE	PH

DETAILS OF MUD ADDITIVES

MATERIAL	LBS.	MATERIAL	LBS.

REMARKS Pulled plug 5 after 8 hrs @ 390 KB Top of Fm cement

FROM	TO	DESCRIPTION OF WORK PERFORMED
12:00	4:30	W.O.C.
4:30	5:00	RUN INTO HOLE FOR PLUG # 2
	5:00	PLUG IN PLACE
5:00	5:45	LAY DOWN PIPE
5:45	9:00	TEAR OUT C.O.E.

8:00 A.M. TO 4:00 P.M.

WEATHER ____ TEMP ____

DETAILS OF DRILLING STRING

	STDS.	SLGS.	SIZE	LENGTH
D.P.				
D.C.				
SUBS				
KELLY LENGTH				
TOTAL ON HOOK				
UP ON KELLY				
TOTAL DEPTH				

TOUR DRILLING, RATHOLING & REAMING RECORD

FROM	TO	HOURS	WEIGHT	FORMATION

BIT AND CORE HEAD RECORD

BIT NO.	SIZE	MAKE	SERIAL	FOOTAGE	HOURS

INCLINATION AND DIRECTIONAL SURVEYS

MAKE AND TYPE	DEPTH	DEGREE AND DIRECTION

SIGNED ____ DRILLER

DETAILS OF MUD TESTS

TIME	WT.	VIS.	W.L.	CAKE	PH

DETAILS OF MUD ADDITIVES

MATERIAL	LBS.	MATERIAL	LBS.

REMARKS Cut off casing 3' below ground level then 5 sack cement plug in top of surface casing W.P.P on 1/2" plate & ~~dry~~ well location sign

Rig Released 12:00 P.M Feb 6th 1970

FROM	TO	DESCRIPTION OF WORK PERFORMED
8:00	12:00	Clean mud tanks Pay dause. R.O.E.
2:00	4:00	Tear out Rig

4:00 P.M. TO MIDNIGHT

WEATHER ____ TEMP ____

DETAILS OF DRILLING STRING

	STDS.	SLGS.	SIZE	LENGTH
D.P.				
D.C.				
SUBS				
KELLY LENGTH				
TOTAL ON HOOK				
UP ON KELLY				
TOTAL DEPTH				

TOUR DRILLING, RATHOLING & REAMING RECORD

FROM	TO	HOURS	WEIGHT	FORMATION

BIT AND CORE HEAD RECORD

BIT NO.	SIZE	MAKE	SERIAL	FOOTAGE	HOURS

INCLINATION AND DIRECTIONAL SURVEYS

MAKE AND TYPE	DEPTH	DEGREE AND DIRECTION

SIGNED ____ DRILLER

DETAILS OF MUD TESTS

TIME	WT.	VIS.	W.L.	CAKE	PH

DETAILS OF MUD ADDITIVES

MATERIAL	LBS.	MATERIAL	LBS.

REMARKS

FROM	TO	DESCRIPTION OF WORK PERFORMED

CDN. SUP. REP. ____ BOILER USED THIS 24 HOURS? ____ TOOLPUSH ____

Form 126

SURF. CSG. SIZE 10 3/4 "AT 460
INTER. CSG. SIZE _____ "AT _____
K.B. ELEV. 632
GROUND ELEV. 618
K.B. TO CSG. FLANGE 14

CANADIAN SUPERIOR OIL LTD.

DAILY DRILLING REPORT

CONTRACTOR BEAVER DRILLING
SERVICE/ROTARY RIG NO. 3

DATE FEB 5/1970
FIELD WILDCAT
LEASE CANSUP KMA
WELL NO. JEAN MARIE I-5C
PROVINCE N.W.T.

MIDNIGHT TO 8:00 A.M.

WEATHER: _____ TEMP: _____

DETAILS OF DRILLING STRING

	STDS.	SLGS.	SIZE	LENGTH
D.P.	28	1	4½	1597 13
D.C.	9	1	6¾	567 53
SUBS				
BIT SUB			6¾	4 00

KELLY LENGTH 38 00
TOTAL ON HOOK 2200 66
UP ON KELLY 6 00
TOTAL DEPTH 2200 66

TOUR DRILLING, RATHOLING & REAMING RECORD

FROM	TO	HOURS	WEIGHT	FORMATION
2200				

BIT AND CORE HEAD RECORD

BIT NO.	SIZE	MAKE	SERIAL	FOOTAGE	HOURS

INCLINATION AND DIRECTIONAL SURVEYS

MAKE AND TYPE	DEPTH	DEGREE AND DIRECTION

SIGNED P. Schaffer DRILLER

DETAILS OF MUD TESTS

TIME	WT.	VIS.	W.L.	CAKE	PH

DETAILS OF MUD ADDITIVES

MATERIAL	LBS.	MATERIAL	LBS.

REMARKS

DESCRIPTION OF WORK PERFORMED

FROM	TO	
12:00	8:00	WAIT ON ORDERS

8:00 A.M. TO 4:00 P.M.

WEATHER: _____ TEMP: _____

DETAILS OF DRILLING STRING

	STDS.	SLGS.	SIZE	LENGTH
D.P.	28	1	4½	1597 13
D.C.				567 53
SUBS	BIT SUB			4 00

KELLY LENGTH 38 00
TOTAL ON HOOK 2200 66
UP ON KELLY 6 00
TOTAL DEPTH 2200 66

TOUR DRILLING, RATHOLING & REAMING RECORD

FROM	TO	HOURS	WEIGHT	FORMATION
2200				

BIT AND CORE HEAD RECORD

BIT NO.	SIZE	MAKE	SERIAL	FOOTAGE	HOURS

INCLINATION AND DIRECTIONAL SURVEYS

MAKE AND TYPE	DEPTH	DEGREE AND DIRECTION

SIGNED [illegible] DRILLER

DETAILS OF MUD TESTS

TIME	WT.	VIS.	W.L.	CAKE	PH

DETAILS OF MUD ADDITIVES

MATERIAL	LBS.	MATERIAL	LBS.

REMARKS

plug #1 2200 - 1500 Calculated fillup based on Caliper log plus 20%
300 cu. ft mixed 344 cu ft slurry

plug #2 510 - 410 Calculated fillup based on Caliper log plus 20%
53 cu. ft mixed 85 cu ft slurry

DESCRIPTION OF WORK PERFORMED

FROM	TO	
8 00	2 30	WAIT ON ORDERS
2 30	3 30	LAY DOWN COLLARS
3 30	4 00	START IN HOLE TO RUN CEMENT

4:00 P.M. TO MIDNIGHT

WEATHER: _____ TEMP: _____

DETAILS OF DRILLING STRING

	STDS.	SLGS.	SIZE	LENGTH
D.P.				
D.C.				
SUBS				

KELLY LENGTH
TOTAL ON HOOK
UP ON KELLY
TOTAL DEPTH

TOUR DRILLING, RATHOLING & REAMING RECORD

FROM	TO	HOURS	WEIGHT	FORMATION

BIT AND CORE HEAD RECORD

BIT NO.	SIZE	MAKE	SERIAL	FOOTAGE	HOURS

INCLINATION AND DIRECTIONAL SURVEYS

MAKE AND TYPE	DEPTH	DEGREE AND DIRECTION

SIGNED [illegible] DRILLER

DETAILS OF MUD TESTS

TIME	WT.	VIS.	W.L.	CAKE	PH

DETAILS OF MUD ADDITIVES

MATERIAL	LBS.	MATERIAL	LBS.

REMARKS Run abandonment plug #1
2200 - 1500 Howco Cementers
mixed 200 sacks Can. const.
Cement 8% aquagel plug
in place 7:12 P.M. Feb 5th 1970
no feed slurry wt 12.9#
Run abandonment plug #2 510 - 410
Howco Cementers mixed 70 sacks
Can. const cement 2% Ca Cl2
plug in place 9:15 P.M. Feb 5th 1970
slurry wt - 16.0 #/gal
@ 390' K.B.

DESCRIPTION OF WORK PERFORMED

FROM	TO	
4 00	5 00	Run in hole open end
5 00	6 30	Circ To run plugs
6 30	7 15	Run plug #1
9 15	9 30	Pull out of hole & measure in to plug #2
9 30	9 00	Run plug #2.
9 00	12 00	W/ OC

[illegible] CDN. SUP. REP. BOILER USED THIS 24 HOURS? _____ [illegible] TOOLPUSH

Form 126

SURF. CSG. SIZE 10 3/4 "AT 460
INTER. CSG. SIZE _____ "AT _____
K.B. ELEV. 632
GROUND ELEV. 618
K.B. TO CSG. FLANGE 14

CANADIAN SUPERIOR OIL LTD.

DAILY DRILLING REPORT

CONTRACTOR BEAVER DRILLING
SERVICE/ROTARY RIG NO. 3

DATE FEB 4/1970
FIELD WILDCAT
LEASE CANSUP KMG
WELL NO. JEAN MARIE J-52
PROVINCE N.W.T.

MIDNIGHT TO 8:00 A.M.

WEATHER | TEMP

DETAILS OF DRILLING STRING

	STDS.	SLGS.	SIZE	LENGTH	
D.P.	23	1	4 1/2	1597	13
D.C.	9	1	6 5/8	267	53
SUBS					
BIT SUB				4	00
KELLY LENGTH				38	00
TOTAL ON HOOK				2206	66
UP ON KELLY				6	00
TOTAL DEPTH				2200	66

TOUR DRILLING, RATHOLING & REAMING RECORD

FROM	TO	HOURS	WEIGHT	FORMATION
	2200			

BIT AND CORE HEAD RECORD

BIT NO.	SIZE	MAKE	SERIAL	FOOTAGE	HOURS
4	7 7/8	WDT	19629	120	21

INCLINATION AND DIRECTIONAL SURVEYS

MAKE AND TYPE	DEPTH	DEGREE AND DIRECTION
TOICO	2200	1 3/4°

SIGNED _____ DRILLER

DETAILS OF MUD TESTS

TIME	WT.	VIS.	W.L.	CAKE	PH
4:00	9.6	136			
6:00	9.6	138	14	2/32	10

DETAILS OF MUD ADDITIVES

MATERIAL	LBS.	MATERIAL	LBS.

REMARKS

Inside measure out @ 2200
no correction

DESCRIPTION OF WORK PERFORMED

FROM	TO	
12:00	12:15	RIG SERV. & B.O.P.S.
12:15	2:15	FINISH DUMMY TRIP (NO F.11)
2:15		CIRC. TO COND. HOLE & WAIT ON
	8:00	LOGGERS.

8:00 A.M. TO 4:00 P.M.

WEATHER | TEMP

DETAILS OF DRILLING STRING

	STDS.	SLGS.	SIZE	LENGTH	
D.P.	23	1	4 1/2	1597	13
D.C.	9	1	6 5/8	267	53
SUBS					
BIT SUB				4	00
KELLY LENGTH				38	00
TOTAL ON HOOK				2206	66
UP ON KELLY				6	00
TOTAL DEPTH				2200	66

TOUR DRILLING, RATHOLING & REAMING RECORD

FROM	TO	HOURS	WEIGHT	FORMATION
	2200			

BIT AND CORE HEAD RECORD

BIT NO.	SIZE	MAKE	SERIAL	FOOTAGE	HOURS
4	7 7/8	WDT	19629	120	21

INCLINATION AND DIRECTIONAL SURVEYS

MAKE AND TYPE	DEPTH	DEGREE AND DIRECTION

SIGNED [signature] DRILLER

DETAILS OF MUD TESTS

TIME	WT.	VIS.	W.L.	CAKE	PH
6:00	9.4	107			

DETAILS OF MUD ADDITIVES

MATERIAL	LBS.	MATERIAL	LBS.

REMARKS

DESCRIPTION OF WORK PERFORMED

FROM	TO	
8:00	8:15	RIG SERV & JIBOPS
8:15	9:30	CIRC. TO COND. HOLE - WAIT ON LOG
9:30	11:15	PULL OUT TO LOG
11:15	4:00	LOGGING W/SCHLUMBERGER

4:00 P.M. TO MIDNIGHT

WEATHER | TEMP

DETAILS OF DRILLING STRING

	STDS.	SLGS.	SIZE	LENGTH	
D.P.					
D.C.					
SUBS					
KELLY LENGTH					
TOTAL ON HOOK					
UP ON KELLY					
TOTAL DEPTH					

TOUR DRILLING, RATHOLING & REAMING RECORD

FROM	TO	HOURS	WEIGHT	FORMATION

BIT AND CORE HEAD RECORD

BIT NO.	SIZE	MAKE	SERIAL	FOOTAGE	HOURS

INCLINATION AND DIRECTIONAL SURVEYS

MAKE AND TYPE	DEPTH	DEGREE AND DIRECTION

SIGNED Max C Quinn DRILLER

DETAILS OF MUD TESTS

TIME	WT.	VIS.	W.L.	CAKE	PH

DETAILS OF MUD ADDITIVES

MATERIAL	LBS.	MATERIAL	LBS.

REMARKS Ran Schlumberger Dual induction Laterlog 2" & 5" scale surface casing To T.D Ran B.H.C Sonic Gamma 2 & 5" scale surface To T.D. Ran formation density gamma caliper 2" & 5" scale surface to T.D
Surface Driller 460 S.O.C 460
Total Depth driller 2200 S.O.C. 2201
Upper Hume Shale 1542 - 910 Hume mf 1640 - 978
Hume Limestone 1939 - 1294 Hume & Glossifer 2016 - 1494
Lower Chinchaga anhydrite 2122 - 1590

DESCRIPTION OF WORK PERFORMED

FROM	TO	
4:00	6:30	LOGGING
6:30	9:30	LAY DOWN core bbl & 10 drill collars
9:30	12:00	WAIT ON orders

A. Bindhammer CDN. SUP. REP. BOILER USED THIS 24 HOURS? _____ [signature] TOOLPUSH

Form 126

SURF. CSG. SIZE 10 3/4 "AT 460
INTER. CSG. SIZE _____ "AT _____
K.B. ELEV. 632
GROUND ELEV. 618
K.B. TO CSG. FLANGE 14

CANADIAN SUPERIOR OIL LTD.

DAILY DRILLING REPORT

CONTRACTOR BEAVER DRLG
SERVICE/ROTARY RIG NO. BEG 3

DATE AUG 3/70
FIELD WILDCAT
LEASE BMN SEP - KMG
WELL NO. BMN MAURICE
PROVINCE ALTA

MIDNIGHT TO 8:00 A.M.

WEATHER _____ TEMP _____

DETAILS OF DRILLING STRING

	STDS.	SLGS.	SIZE	LENGTH	
D.P.				1532	04
D.C.	19	1	6 1/4	569	53
SUBS BIT SUB				4	00
KELLY LENGTH				38	00
TOTAL ON HOOK				2172	77
UP ON KELLY				12	57
TOTAL DEPTH				2130	00

TOUR DRILLING, RATHOLING & REAMING RECORD

FROM	TO	HOURS	WEIGHT	FORMATION
2090	2130	7 1/2	35M	

BIT AND CORE HEAD RECORD

BIT NO.	SIZE	MAKE	SERIAL	FOOTAGE	HOURS
4	7 7/8	WDT	19629	50	9 1/2

INCLINATION AND DIRECTIONAL SURVEYS

MAKE AND TYPE	DEPTH	DEGREE AND DIRECTION

SIGNED [signature] DRILLER

DETAILS OF MUD TESTS

TIME	WT.	VIS.	W.L.	CAKE	PH
200	9.4	70	11	2/32	10
200	9.4	68			
400	9.4	68			
600	9.4	68			

DETAILS OF MUD ADDITIVES

MATERIAL	LBS.	MATERIAL	LBS.

REMARKS

DESCRIPTION OF WORK PERFORMED

FROM	TO	
12 00	12 15	REG SERV - V BOP
12 00	8 00	DRILL 7 7/8 HOLE

8:00 A.M. TO 4:00 P.M.

WEATHER _____ TEMP _____

DETAILS OF DRILLING STRING

	STDS.	SLGS.	SIZE	LENGTH	
D.P.			4 1/2	1565	65
D.C.	19	1	6 1/4	569	53
SUBS BIT SUB				4	00
KELLY LENGTH				38	00
TOTAL ON HOOK				2175	18
UP ON KELLY				4	00
TOTAL DEPTH				2171	18

TOUR DRILLING, RATHOLING & REAMING RECORD

FROM	TO	HOURS	WEIGHT	FORMATION
2130	2171	7	35M	

BIT AND CORE HEAD RECORD

BIT NO.	SIZE	MAKE	SERIAL	FOOTAGE	HOURS
4	7 7/8	HW	19629	91	15 1/2

INCLINATION AND DIRECTIONAL SURVEYS

MAKE AND TYPE	DEPTH	DEGREE AND DIRECTION

SIGNED P. Schaffer DRILLER

DETAILS OF MUD TESTS

TIME	WT.	VIS.	W.L.	CAKE	PH
8 00	9.4	100			
10 00	9.5	76			
12.00	9.5	72			
2.00	9.5	70			

DETAILS OF MUD ADDITIVES

MATERIAL	LBS.	MATERIAL	LBS.
CAUSTIC	75		
Q-NORIN	75		

REMARKS

DESCRIPTION OF WORK PERFORMED

FROM	TO	
8:00	8:15	REG SER - J BOPS.
8:15	11:30	DRILL 7 7/8" HOLE
11:30	12:15	WORK ON C-250 MUD PUMP
12:15	4:00	DRILL 7 7/8" HOLE

4:00 P.M. TO MIDNIGHT

WEATHER _____ TEMP _____

DETAILS OF DRILLING STRING

	STDS.	SLGS.	SIZE	LENGTH	
D.P.	25	1	4 1/2	1597	13
D.C.	19	1	6 1/4	569	53
SUBS Bit Sub				4	00
KELLY LENGTH				38	00
TOTAL ON HOOK				2206	66
UP ON KELLY				6	00
TOTAL DEPTH				2200	66

TOUR DRILLING, RATHOLING & REAMING RECORD

FROM	TO	HOURS	WEIGHT	FORMATION
2171	2200	4 1/2	35m	

BIT AND CORE HEAD RECORD

BIT NO.	SIZE	MAKE	SERIAL	FOOTAGE	HOURS
4	7 7/8	WDT	19629	120	21

INCLINATION AND DIRECTIONAL SURVEYS

MAKE AND TYPE	DEPTH	DEGREE AND DIRECTION

SIGNED Max C Quinn DRILLER

DETAILS OF MUD TESTS

TIME	WT.	VIS.	W.L.	CAKE	PH
400	9.5	68			
600	9.6	68			
800	9.5	127	15	2/32	10
1000	9.5	130			

DETAILS OF MUD ADDITIVES

MATERIAL	LBS.	MATERIAL	LBS.
Gel	1500		
Celex	100		

REMARKS Daily water cost 170.00 cum 3410.00
Daily mud cost 164.00 cum 2461.00
Daily well cost 4009.00 cum 60,200.00

DESCRIPTION OF WORK PERFORMED

FROM	TO	
400	415	Rig Ser V B.O.P.
415	845	Drill 7 7/8 hole
845	1045	Circ condition mud To Log
1045	1100	Survey
1100	1200	Hoist Cond hole To Log double Tally No Correction

[signature] CDN. SUP. REP. BOILER USED THIS 24 HOURS? _____ [signature] TOOLPUSH

Form 126

SURF. CSG. SIZE 10¾ "AT 460
INTER. CSG. SIZE _____ "AT _____
K.B. ELEV. 632.00
GROUND ELEV. 618.00
K.B. TO CSG. FLANGE 14.00

CANADIAN SUPERIOR OIL LTD.

DAILY DRILLING REPORT

CONTRACTOR BEAVER DRLG.
SERVICE/ROTARY RIG NO. 3

DATE FEB 9/70
FIELD WILD CAT
LEASE CAN 340-K-1
WELL NO. SCAN 340-K-1 J-52
PROVINCE N.W.T.

MIDNIGHT TO 8:00 A.M.

WEATHER: _____ TEMP: _____

DETAILS OF DRILLING STRING

	STDS.	SLGS.	SIZE	LENGTH	
D.P.	22	1			
D.C.	19	1	6½	1700 / 563	73
SUBS	BIT SUB			4	00
KELLY LENGTH				38	00
TOTAL ON HOOK				[illegible]	73
UP ON KELLY				7	70
TOTAL DEPTH				2810	00

TOUR DRILLING, RATHOLING & REAMING RECORD

FROM	TO	HOURS	WEIGHT	FORMATION
1955'	2010	7¾	35M	

BIT AND CORE HEAD RECORD

BIT NO.	SIZE	MAKE	SERIAL	FOOTAGE	HOURS
3	7⅞	HW	15277	100	12¾

INCLINATION AND DIRECTIONAL SURVEYS

MAKE AND TYPE	DEPTH	DEGREE AND DIRECTION

SIGNED [illegible] DRILLER

DETAILS OF MUD TESTS

TIME	WT.	VIS.	W.L.	CAKE	PH
12:00	73	76			
2:00	74	70	11.0	[illegible]	[illegible]
4:00	74	68			
6:00	74	66			

DETAILS OF MUD ADDITIVES

MATERIAL	LBS.	MATERIAL	LBS.
GEL	1000		
DEFOAMER	100		

REMARKS

FROM	TO	DESCRIPTION OF WORK PERFORMED
7:00	12:15	RIG SER - 0 TOP
12:15	8:00	DRILL 7⅞ HOLE

8:00 A.M. TO 4:00 P.M.

WEATHER: _____ TEMP: _____

DETAILS OF DRILLING STRING

	STDS.	SLGS.	SIZE	LENGTH	
D.P.	22	1	4½	1471	10
D.C.	19	1	6½	517	53
SUBS	BIT SUB			4	00
KELLY LENGTH				38	00
TOTAL ON HOOK				2000	73
UP ON KELLY				15	
TOTAL DEPTH				2015	83

TOUR DRILLING, RATHOLING & REAMING RECORD

FROM	TO	HOURS	WEIGHT	FORMATION
2010	2065	7¼	35M	

BIT AND CORE HEAD RECORD

BIT NO.	SIZE	MAKE	SERIAL	FOOTAGE	HOURS
3	7⅞	DOU	15277	154	20

INCLINATION AND DIRECTIONAL SURVEYS

MAKE AND TYPE	DEPTH	DEGREE AND DIRECTION

SIGNED [illegible] DRILLER

DETAILS OF MUD TESTS

TIME	WT.	VIS.	W.L.	CAKE	PH
8:00	9.4	68			
10:00	9.4	67			
12:00	9.6	60			
2:00	9.6	60			

DETAILS OF MUD ADDITIVES

MATERIAL	LBS.	MATERIAL	LBS.
GEL	500		
O-BOXIN	50		
CAUSTIC	25		

REMARKS

FROM	TO	DESCRIPTION OF WORK PERFORMED
8:00	8:15	RIG SER - 0 BOPS
8:15	2:00	DRILL 7⅞ HOLE
2:00	2:30	CHANGE GLAND PACKING IN C 250
2:30	4:00	DRILL 7⅞" HOLE

4:00 P.M. TO MIDNIGHT

WEATHER: _____ TEMP: _____

DETAILS OF DRILLING STRING

	STDS.	SLGS.	SIZE	LENGTH	
D.P.				1502	68
D.C.	9	1	6½	517	53
SUBS				4	00
KELLY LENGTH				38	00
TOTAL ON HOOK				2112	21
UP ON KELLY				22	00
TOTAL DEPTH				2090	21

TOUR DRILLING, RATHOLING & REAMING RECORD

FROM	TO	HOURS	WEIGHT	FORMATION
2065	2090	4¾	35M	

BIT AND CORE HEAD RECORD

BIT NO.	SIZE	MAKE	SERIAL	FOOTAGE	HOURS
3	7⅞	DOU	15277	164	23
4	7⅞	WDT	19639	10	1¾

INCLINATION AND DIRECTIONAL SURVEYS

MAKE AND TYPE	DEPTH	DEGREE AND DIRECTION
TOTCO	2000	3°

SIGNED [illegible] DRILLER

DETAILS OF MUD TESTS

TIME	WT.	VIS.	W.L.	CAKE	PH
4:00	9.5	82			
6:00	9.5	77			
TRIP					

DETAILS OF MUD ADDITIVES

MATERIAL	LBS.	MATERIAL	LBS.

REMARKS

~~Daily cost 7th est 1200.00 acc 3600.00~~
~~" mud cost 107.00 acc 3300.00~~
~~" well cost 3350.00 acc 56271.00~~

FROM	TO	DESCRIPTION OF WORK PERFORMED
4:00	7:00	DRILL 7⅞" HOLE
7:00	7:15	RIG SERV & BOPS - SWAGE 4
7:15	10:00	TRIP FOR BIT - CLOSE BLIND RAMS
10:00	10:15	BREAK CIR - FLUID BITUM 5°
10:15	12:00	DRILL 7⅞" HOLE

A. Rietbrauer CDN. SUP. REP. BOILER USED THIS 24 HOURS? _____ [illegible] TOOLPUSH

Form 126

SURF. CSG. SIZE 10¾ "AT 40
INTER. CSG. SIZE _____ "AT _____
K.B. ELEV. 632
GROUND ELEV. 614
K.B. TO CSG. FLANGE 18

CANADIAN SUPERIOR OIL LTD.

DAILY DRILLING REPORT

CONTRACTOR BEAVER DRLG
SERVICE/ROTARY RIG NO. 3

DATE FEB 1/70
FIELD WILDCAT
LEASE CAN SUP - KING
WELL NO. SAN MARIE I-52
PROVINCE Alta

MIDNIGHT TO 8:00 A.M.

WEATHER _____ TEMP _____

DETAILS OF DRILLING STRING

	STDS.	SLGS.	SIZE	LENGTH	
D.P.	21		4½	1314	09
D.C.	9	1	6¼	517	53
SUBS					
Bit sub		1	6¼	4	00
KELLY LENGTH				38	00
TOTAL ON HOOK				1913	62
UP ON KELLY				7	00
TOTAL DEPTH				1916	62

TOUR DRILLING, RATHOLING & REAMING RECORD

FROM	TO	HOURS	WEIGHT	FORMATION
1910	1916	[illegible]	[illegible]	

BIT AND CORE HEAD RECORD

BIT NO.	SIZE	MAKE	SERIAL	FOOTAGE	HOURS
2	7⅞	[illegible]	88210	2[illegible]2	24

INCLINATION AND DIRECTIONAL SURVEYS

MAKE AND TYPE	DEPTH	DEGREE AND DIRECTION
Totco	1916	2°

SIGNED [illegible] DRILLER

DETAILS OF MUD TESTS

TIME	WT.	VIS.	W.L.	CAKE	PH
	9.7	72			

DETAILS OF MUD ADDITIVES

MATERIAL	LBS.	MATERIAL	LBS.

REMARKS

DESCRIPTION OF WORK PERFORMED

FROM	TO	
1200	1215	RIG SERV & BOPS SERVICE
1215	200	PULL OUT TO DST #2
200	330	PICK UP DST #2 & [illegible] SAME
330	615	RUN IN W/DST #2 & HEAD [illegible]
615	800	CASE IT

8:00 A.M. TO 4:00 P.M.

WEATHER _____ TEMP _____

DETAILS OF DRILLING STRING

	STDS.	SLGS.	SIZE	LENGTH	
D.P.					
D.C.					
SUBS					
KELLY LENGTH					
TOTAL ON HOOK					
UP ON KELLY					
TOTAL DEPTH					

TOUR DRILLING, RATHOLING & REAMING RECORD

FROM	TO	HOURS	WEIGHT	FORMATION

BIT AND CORE HEAD RECORD

BIT NO.	SIZE	MAKE	SERIAL	FOOTAGE	HOURS

INCLINATION AND DIRECTIONAL SURVEYS

MAKE AND TYPE	DEPTH	DEGREE AND DIRECTION

SIGNED [illegible] DRILLER

DETAILS OF MUD TESTS

TIME	WT.	VIS.	W.L.	CAKE	PH

DETAILS OF MUD ADDITIVES

MATERIAL	LBS.	MATERIAL	LBS.

REMARKS

DESCRIPTION OF WORK PERFORMED

FROM	TO	
800	815	RIG SERV & BOPS
815	915	FASTENS
915	1200	PULL DST #2
12:00	1:30	BREAK DOWN DST #2 & LOAD OUTSIDE
1:30	2:30	RUN IN W/BIT #3
2:30	3:00	WORK ON AIR LINES
3:00	4:00	FINISH IN HOLE W/BIT #3

4:00 P.M. TO MIDNIGHT

WEATHER _____ TEMP _____

DETAILS OF DRILLING STRING

	STDS.	SLGS.	SIZE	LENGTH	
D.P.	21	1	4½	1315	55
D.C.	9	1	6¼	517	53
SUBS					
BIT SUB			6¼	4	60
KELLY LENGTH				38	00
TOTAL ON HOOK				1955	08
UP ON KELLY				0	
TOTAL DEPTH				1955	08

TOUR DRILLING, RATHOLING & REAMING RECORD

FROM	TO	HOURS	WEIGHT	FORMATION
1916	1955	5	33M	

BIT AND CORE HEAD RECORD

BIT NO.	SIZE	MAKE	SERIAL	FOOTAGE	HOURS
3	~~[illegible]~~ 7⅞	ONV	16237	39	5

INCLINATION AND DIRECTIONAL SURVEYS

MAKE AND TYPE	DEPTH	DEGREE AND DIRECTION

SIGNED [illegible] DRILLER

DETAILS OF MUD TESTS

TIME	WT.	VIS.	W.L.	CAKE	PH
9:00	9.11	75			
10:00	9.3	72			

DETAILS OF MUD ADDITIVES

MATERIAL	LBS.	MATERIAL	LBS.
A-POSTH	50		
CAUSTIC	25		

REMARKS

Daily water 330 00 acc 3000 00
mud 22 00 acc 2099 00
well 2632 00 acc 52,991 00

DESCRIPTION OF WORK PERFORMED

FROM	TO	
11:00	11:15	RIG SERV.
11:15	1:45	DETICE KELLY
1:45	7:00	BREAK CIRC & CLEAN UP PITS
7:00	12:00	DRILL 7⅞" HOLE

[illegible] CON. SUP. REP. BOILER USED THIS 24 HOURS? _____ [illegible] TOOLPUSH

Form 126

SURF. CSG. SIZE 10 3/4 "AT 1163
INTER. CSG. SIZE ____ "AT ____
K.B. ELEV. 852
GROUND ELEV. 618
K.B. TO CSG. FLANGE 14.00

CANADIAN SUPERIOR OIL LTD.

DAILY DRILLING REPORT

CONTRACTOR DENVER DRLG
SERVICE/ROTARY RIG NO. 3

DATE JAN 31 1970
FIELD WILD CAT
LEASE CAN SUP - KING
WELL NO. SERU ARGILE J-52
PROVINCE N.W.T.

MIDNIGHT TO 8:00 A.M.

WEATHER ____ TEMP ____

DETAILS OF DRILLING STRING

	STDS.	SLGS.	SIZE	LENGTH	
D.P.	11	1	4 1/2	1211	60
D.C.	7	1	6 3/4	307	53
SUBS				4	00
KELLY LENGTH				38	00
TOTAL ON HOOK				1529	13
UP ON KELLY				15	
TOTAL DEPTH				1544	13

TOUR DRILLING, RATHOLING & REAMING RECORD

FROM	TO	HOURS	WEIGHT	FORMATION
1718	1814	7 3/4	34 M	SHALE

BIT AND CORE HEAD RECORD

BIT NO.	SIZE	MAKE	SERIAL	FOOTAGE	HOURS
2	7 7/8	H.W	18210	140	18 1/2

INCLINATION AND DIRECTIONAL SURVEYS

MAKE AND TYPE	DEPTH	DEGREE AND DIRECTION

SIGNED [signature] DRILLER

DETAILS OF MUD TESTS

TIME	WT.	VIS.	W.L.	CAKE	PH
12:00	9.6	62			
1:00	9.5	60			
2:00	9.5	62	10.7	2/32	11.0
3:00					

DETAILS OF MUD ADDITIVES

MATERIAL	LBS.	MATERIAL	LBS.
GEL	9800		

REMARKS

FROM	TO	DESCRIPTION OF WORK PERFORMED
12:00	12:45	RIG SERV & J BOPS
12:45	8:00	DRILL 7 7/8 HOLE

8:00 A.M. TO 4:00 P.M.

WEATHER ____ TEMP ____

DETAILS OF DRILLING STRING

	STDS.	SLGS.	SIZE	LENGTH	
D.P.	20	1	4 1/2	1262	34
D.C.	9	1	6 3/4	327	30
SUBS					
811 343				4	00
KELLY LENGTH				34	00
TOTAL ON HOOK				1872	11
UP ON KELLY				18	00
TOTAL DEPTH				1874	11

TOUR DRILLING, RATHOLING & REAMING RECORD

FROM	TO	HOURS	WEIGHT	FORMATION
1814	1874	7 3/4	35 M	

BIT AND CORE HEAD RECORD

BIT NO.	SIZE	MAKE	SERIAL	FOOTAGE	HOURS
2	7 7/8	HW	18210	200	18 1/2

INCLINATION AND DIRECTIONAL SURVEYS

MAKE AND TYPE	DEPTH	DEGREE AND DIRECTION

SIGNED P. Schaffer DRILLER

DETAILS OF MUD TESTS

TIME	WT.	VIS.	W.L.	CAKE	PH
8:00	9.5	60			
10:00	9.5	64			
12:00	9.5	55			
2:00	9.6	70			

DETAILS OF MUD ADDITIVES

MATERIAL	LBS.	MATERIAL	LBS.
GEL	1000		

REMARKS

FROM	TO	DESCRIPTION OF WORK PERFORMED
8:00	8:15	RIG SERV & J BOPS.
8:15	4:00	DRILL 7 7/8 HOLE

4:00 P.M. TO MIDNIGHT

WEATHER ____ TEMP ____

DETAILS OF DRILLING STRING

	STDS.	SLGS.	SIZE	LENGTH	
D.P.	21		4 1/2	1314	09
D.C.	9	1	6 3/4	327	13
SUBS					
811 343			6 3/4	4	00
KELLY LENGTH				38	00
TOTAL ON HOOK				1923	22
UP ON KELLY				7	00
TOTAL DEPTH				1916	22

TOUR DRILLING, RATHOLING & REAMING RECORD

FROM	TO	HOURS	WEIGHT	FORMATION
1874	1916	6 1/2	32 M	

BIT AND CORE HEAD RECORD

BIT NO.	SIZE	MAKE	SERIAL	FOOTAGE	HOURS
2	7 7/8	HW	1821	242	25

INCLINATION AND DIRECTIONAL SURVEYS

MAKE AND TYPE	DEPTH	DEGREE AND DIRECTION
Totco	1916	2°

SIGNED P. Schaffer DRILLER

DETAILS OF MUD TESTS

TIME	WT.	VIS.	W.L.	CAKE	PH
4:00	9.6	78			
6:00	9.6	80			
8:00	9.6	92			

DETAILS OF MUD ADDITIVES

MATERIAL	LBS.	MATERIAL	LBS.

REMARKS

Daily water cost 250.00 acc 2610.00
Daily mud cost 112.00 acc 2067.00
Daily well cost 3385.00 acc 50309.00

FROM	TO	DESCRIPTION OF WORK PERFORMED
4:00	10:30	DRILL 7 7/8 HOLE
10:30	12:00	CIRC HOLE TO COND. TO TEST

[signature] CDN. SUP. REP. BOILER USED THIS 24 HOURS? ____ [signature] TOOLPUSH

Form 126

SURF. CSG. SIZE 10 3/4 "AT 60
INTER. CSG. SIZE ____ "AT ____
K.B. ELEV. 632
GROUND ELEV. 618
K.B. TO CSG. FLANGE 14.00

CANADIAN SUPERIOR OIL LTD.

DAILY DRILLING REPORT

CONTRACTOR BEAVER DRLG.
SERVICE/ROTARY RIG NO. 3

DATE JAN 30/70
FIELD WILDCAT
LEASE CAN SUP - MAG
WELL NO. JOHN MARTIN J-52
PROVINCE N.W.T.

MIDNIGHT TO 8:00 A.M.

WEATHER ____ TEMP ____

DETAILS OF DRILLING STRING

	STDS.	SLGS.	SIZE	LENGTH	
D.P.	16			1001	03
D.C.	7	1	6 1/4	567	53
SUBS	SUB			4	00
CORE HD				64	61
KELLY LENGTH				38	00
TOTAL ON HOOK				7	1
UP ON KELLY				3	6
TOTAL DEPTH				1614	21

TOUR DRILLING, RATHOLING & REAMING RECORD

FROM	TO	HOURS	WEIGHT	FORMATION
672	1674	1/4	12	SHALE

BIT AND CORE HEAD RECORD

BIT NO.	SIZE	MAKE	SERIAL	FOOTAGE	HOURS
01	7 7/8	[illegible]	[illegible]	60	11

INCLINATION AND DIRECTIONAL SURVEYS

MAKE AND TYPE	DEPTH	DEGREE AND DIRECTION

SIGNED [illegible] DRILLER

DETAILS OF MUD TESTS

TIME	WT.	VIS.	W.L.	CAKE	PH
4:00	9.4	50			

DETAILS OF MUD ADDITIVES

MATERIAL	LBS.	MATERIAL	LBS.

REMARKS D.S.T. #1 1612-1637 25'
Hume bustup Tyrrell limited rem
rome straddle on dry 7 1/2 drill pipe
in 8 3/4 7 7/8 hole @ 7 3/4 rubber @
1606-1612 7" rubber @ 1637
1643 Ran 1/2 B.H.C 3 recorders 1.S.1 Tool
safety jt jars & pump out sub Tool
3 min pulldown @ 8.53 AM Tool 60 min
@ 9.56 A.M January 30th 1970
remaining weak for remainder of test

FROM	TO	DESCRIPTION OF WORK PERFORMED
12:00	1:45	PULL OUT TO RETRIEVE CORE #1
1:45	3:00	RETRIEVE & BOX CORE #1
3:00	4:30	WAIT ON ORDERS
4:30	6:00	PICK UP DST #1 & MAKE UP TO RUN IN
6:00	8:00	RUN IN HOLE W/DST #1
		Tool open for 60 minutes
	1:51	fair initial puff Dying to weak in 2 minutes
		Recover 270' Drilling mud

8:00 A.M. TO 4:00 P.M.

WEATHER ____ TEMP ____

DETAILS OF DRILLING STRING

	STDS.	SLGS.	SIZE	LENGTH	
D.P.					
D.C.					
SUBS					
KELLY LENGTH					
TOTAL ON HOOK					
UP ON KELLY					
TOTAL DEPTH					

TOUR DRILLING, RATHOLING & REAMING RECORD

FROM	TO	HOURS	WEIGHT	FORMATION

BIT AND CORE HEAD RECORD

BIT NO.	SIZE	MAKE	SERIAL	FOOTAGE	HOURS

INCLINATION AND DIRECTIONAL SURVEYS

MAKE AND TYPE	DEPTH	DEGREE AND DIRECTION

SIGNED P. Schaffer DRILLER

DETAILS OF MUD TESTS

TIME	WT.	VIS.	W.L.	CAKE	PH

DETAILS OF MUD ADDITIVES

MATERIAL	LBS.	MATERIAL	LBS.

REMARKS Chart #902
@ 1628 K.B 5.5 996
I.H.P-808 I.S.I-716
I.F. 116 F.F-133
F.S.I. 660 F.H-791
Temp 98°C

FROM	TO	DESCRIPTION OF WORK PERFORMED
8:00	9:00	FLUSH ON W/DST & HEADING UP
9:00	12:00	TESTING
12:00	3:00	PULL D.S.T #1
3:00	4:00	RECOVER RECORDERS & READ CHARTS

4:00 P.M. TO MIDNIGHT

WEATHER ____ TEMP ____

DETAILS OF DRILLING STRING

	STDS.	SLGS.	SIZE	LENGTH	
D.P.	18		4 1/2	1125	96
D.C.	9	1	6 1/4	567	53
SUBS					
DT SUB			6 1/4	4	00
KELLY LENGTH				38	00
TOTAL ON HOOK				1735	49
UP ON KELLY				17	00
TOTAL DEPTH				1718	49

TOUR DRILLING, RATHOLING & REAMING RECORD

FROM	TO	HOURS	WEIGHT	FORMATION
1674	1674	1 1/4	3 M	REAMING
1674	1718	3	35M	

BIT AND CORE HEAD RECORD

BIT NO.	SIZE	MAKE	SERIAL	FOOTAGE	HOURS
2	7 7/8	OMV	19210	44	3

INCLINATION AND DIRECTIONAL SURVEYS

MAKE AND TYPE	DEPTH	DEGREE AND DIRECTION

SIGNED P. Schaffer DRILLER

DETAILS OF MUD TESTS

TIME	WT.	VIS.	W.L.	CAKE	PH
8:00	9.6	43			
10:00	9.6	63			

DETAILS OF MUD ADDITIVES

MATERIAL	LBS.	MATERIAL	LBS.
GEL	1700		

REMARKS
daily water 170 acc 2430
mud 68 acc 1953
well 2593 acc 96429

FROM	TO	DESCRIPTION OF WORK PERFORMED
4:00		BREAK DOWN TESTER TOOL
	5:30	LOAD OUT SAME
5:30	5:45	RIG SERV. B.O.P.S.
5:45	7:45	RUN IN W/BIT #3
7:45	9:00	BREAK CIRC. & REAME RAT HOLE
9:00	12:00	DRILL 7 7/8" HOLE

H. Berthiaume CDN. SUP. REP. BOILER USED THIS 24 HOURS? ____ TOOLPUSH

Form 126

SURF. CSG. SIZE 10¾ "AT 460
INTER. CSG. SIZE ____ "AT ____
K.B. ELEV. 652
GROUND ELEV. 638
K.B. TO CSG. FLANGE 14.00

CANADIAN SUPERIOR OIL LTD.

DAILY DRILLING REPORT

CONTRACTOR BEAVER DRLG
SERVICE/ROTARY RIG NO. 3

DATE JAN 29/70
FIELD WILDCAT
LEASE EAST S.D. - KING
WELL NO. IPAN MARK J-52
PROVINCE N.W.T.

MIDNIGHT TO 8:00 A.M.

WEATHER ____ TEMP ____

DETAILS OF DRILLING STRING

	STDS.	SLGS.	SIZE	LENGTH	
D.P.	16			1001	03
D.C.	14		6¾	467	53
SUBS				4	00
RI. GMT K				7	48
KELLY LENGTH				38	00
TOTAL ON HOOK				1611	[illegible]
UP ON KELLY				3	74
TOTAL DEPTH				1614	20

TOUR DRILLING, RATHOLING & REAMING RECORD

FROM	TO	HOURS	WEIGHT	FORMATION
1519	1614	2¾	30	SHALE

BIT AND CORE HEAD RECORD

BIT NO.	SIZE	MAKE	SERIAL	FOOTAGE	HOURS
1	8 7/8	HW	19824	1154	20¾

INCLINATION AND DIRECTIONAL SURVEYS

MAKE AND TYPE	DEPTH	DEGREE AND DIRECTION

SIGNED [illegible] DRILLER

DETAILS OF MUD TESTS

TIME	WT.	VIS.	W.L.	CAKE	PH
12:00	9.2	62			
2:00	9.2	70	10.8	2/32	9.0
4:00	9.2	48			

DETAILS OF MUD ADDITIVES

MATERIAL	LBS.	MATERIAL	LBS.
CAUSTIC	50		
QUEBRACHO	50		

REMARKS

Lay down B.S. & B Hole in Totalizer

FROM	TO	DESCRIPTION OF WORK PERFORMED
12:00	12:15	RIG SER + J BOPS
12:15	12:30	Survey @ 1492
12:30	3:00	DRILL 8 7/8" HOLE
3:00	5:00	CIRC SAMPLE BELOW + WAIT ON ORDERS
5:00	7:00	SOLD OUT OF HALF TO CORE
7:00	8:00	PICK UP CORE BBL

8:00 A.M. TO 4:00 P.M.

WEATHER ____ TEMP ____

DETAILS OF DRILLING STRING

	STDS.	SLGS.	SIZE	LENGTH	
D.P.	15	1	4½	464	56
D.C.	9	1	6¾	567	53
SUBS + SUB				4	00
CORE BBLS				69	61
STARS SUB					
KELLY LENGTH				38	00
TOTAL ON HOOK				1648	70
UP ON KELLY				20	00
TOTAL DEPTH				1628	70

TOUR DRILLING, RATHOLING & REAMING RECORD

FROM	TO	HOURS	WEIGHT	FORMATION
1614	1628	2¾	8-12	

BIT AND CORE HEAD RECORD

BIT NO.	SIZE	MAKE	SERIAL	FOOTAGE	HOURS
D 2	7 7/8	DIA	51-39	14	2¾

INCLINATION AND DIRECTIONAL SURVEYS

MAKE AND TYPE	DEPTH	DEGREE AND DIRECTION

SIGNED P. Schaffer DRILLER

DETAILS OF MUD TESTS

TIME	WT.	VIS.	W.L.	CAKE	PH
2:00	9.3	49			

DETAILS OF MUD ADDITIVES

MATERIAL	LBS.	MATERIAL	LBS.

REMARKS

Top 7 7/8 hole @ 1614 K.B.

FROM	TO	DESCRIPTION OF WORK PERFORMED
8:00	8:15	RIG SER + J BOP
8:15		FINISH WORK UP CORE BBL + RUN
	12:00	IN HOLE TO CORE
12:00	12:30	CIRC. CORE BBLS
12:30	1:00	WORK ON C-250 MUD PUMP
1:00	1:15	CIRC. CORE BBLS
1:15	4:00	CUTTING CORE #1

4:00 P.M. TO MIDNIGHT

WEATHER ____ TEMP ____

DETAILS OF DRILLING STRING

	STDS.	SLGS.	SIZE	LENGTH	
D.P.	16		4½	1001	03
D.C.	9	1	6¾	567	53
SUBS + SUB				4	00
CORE BBLS				69	61
STARS SUB					
KELLY LENGTH				38	00
TOTAL ON HOOK				1677	83
UP ON KELLY				5	00
TOTAL DEPTH				1672	43

TOUR DRILLING, RATHOLING & REAMING RECORD

FROM	TO	HOURS	WEIGHT	FORMATION
1628	1672	9	12M	

BIT AND CORE HEAD RECORD

BIT NO.	SIZE	MAKE	SERIAL	FOOTAGE	HOURS
D 1	7 7/8	DIA	51-39	58	10¾

INCLINATION AND DIRECTIONAL SURVEYS

MAKE AND TYPE	DEPTH	DEGREE AND DIRECTION

SIGNED P. Schaffer DRILLER

DETAILS OF MUD TESTS

TIME	WT.	VIS.	W.L.	CAKE	PH
4:00	9.3	39			
6:00	9.4	57			
9:00	9.4	55			
10:00	9.5	52			

DETAILS OF MUD ADDITIVES

MATERIAL	LBS.	MATERIAL	LBS.
GEL	1600		
QUEBRACHO	50		
CAUSTIC	50		

REMARKS

Core #1 1614 - 1672 (58' dry)
Dry drill 1 7/8 x 4
60' in 17 hours
Recovery 59.8'

drill water 200 bbl acc 2250 bbl
daily mud 245 bbl acc 1785 bbl
daily well 2950 bbl acc 40241 bbl

FROM	TO	DESCRIPTION OF WORK PERFORMED
4:00	12:00	CUTTING CORE #1

CDN. SUP. REP. [illegible] BOILER USED THIS 24 HOURS? ____ TOOLPUSH [illegible]

Form 126

SURF. CSG. SIZE 10 3/4 "AT 460
INTER. CSG. SIZE "AT
K.B. ELEV. 652
GROUND ELEV. 618
K.B. TO CSG. FLANGE 14.00

CANADIAN SUPERIOR OIL LTD.

DAILY DRILLING REPORT

CONTRACTOR BEAVER DRLG
SERVICE/ROTARY RIG NO. 3

DATE JAN 26/70
FIELD WILOCHI
LEASE ~~[illegible]~~ SUP - NYE
WELL NO. JOHN MARU I-52
PROVINCE N.W.T.

MIDNIGHT TO 8:00 A.M.

WEATHER TEMP

DETAILS OF DRILLING STRING

	STDS.	SLGS.	SIZE	LENGTH	
D.P.	10	7		687	00
D.C.	6	1	6 3/4	385	13
SUBS				2	38
KELLY LENGTH				30	00
TOTAL ON HOOK				1112	71
UP ON KELLY				0	
TOTAL DEPTH				1112	71

TOUR DRILLING, RATHOLING & REAMING RECORD

FROM	TO	HOURS	WEIGHT	FORMATION
700	1112	6 1/4	18M	SHALE

BIT AND CORE HEAD RECORD

BIT NO.	SIZE	MAKE	SERIAL	FOOTAGE	HOURS
1	8 3/4	H.W	19627	652.71	13 1/2

INCLINATION AND DIRECTIONAL SURVEYS

MAKE AND TYPE	DEPTH	DEGREE AND DIRECTION
TOTCO	861	1°

SIGNED [illegible] DRILLER

DETAILS OF MUD TESTS

TIME	WT.	VIS.	W.L.	CAKE	PH
2:00	8.1	29			
2:00	8.6	27			
7:00	8.7	27			
	8.7	27			

DETAILS OF MUD ADDITIVES

MATERIAL	LBS.	MATERIAL	LBS.

REMARKS

FROM	TO	DESCRIPTION OF WORK PERFORMED
8:00	12:00	RIG SER & W BOPS
12:00	2:00	DRILL 8 3/4 HOLE
2:00	2:30	SURVEY @ 861
2:30	6:00	DRILL 8 3/4 HOLE
6:00	7:00	SURVEY @ 1081
7:00	8:00	TRIP FOR BIT & [illegible] HOLE

8:00 A.M. TO 4:00 P.M.

WEATHER TEMP

DETAILS OF DRILLING STRING

	STDS.	SLGS.	SIZE	LENGTH	
D.P.				820	47
D.C.	9	1	6 3/4	367	53
SUBS					
REAMERS				7	38
BIT SUB				4	00
KELLY LENGTH				38	00
TOTAL ON HOOK				1241	60
UP ON KELLY				0	
TOTAL DEPTH				1241	60

TOUR DRILLING, RATHOLING & REAMING RECORD

FROM	TO	HOURS	WEIGHT	FORMATION
1112	1241	2 1/2		

BIT AND CORE HEAD RECORD

BIT NO.	SIZE	MAKE	SERIAL	FOOTAGE	HOURS
1RR	8 3/4	X3A	19824	741	16

INCLINATION AND DIRECTIONAL SURVEYS

MAKE AND TYPE	DEPTH	DEGREE AND DIRECTION
TOTCO	1210	1°

SIGNED P. Schaffer DRILLER

DETAILS OF MUD TESTS

TIME	WT.	VIS.	W.L.	CAKE	PH
2:00	8.6	31			

DETAILS OF MUD ADDITIVES

MATERIAL	LBS.	MATERIAL	LBS.
GEL	1300		

REMARKS

Pick up 1 13 5/8 Homco stabilizer immediately above bit and 1 stabilizer 30' above bit January 28th 1970 depth 1112

FROM	TO	DESCRIPTION OF WORK PERFORMED
8:00	11:00	FINISH OUT OF HOLE
11:00	12:45	LAY DOWN DIPIPE & PICK UP REAMERS & D/COLLARS & RUN IN HOLE
12:45	1:00	BREAK CIRC. & CLEAN TO BTM. 10'
1:00	3:30	DRILL 8 3/4" HOLE
3:30	4:00	WORK HOLE & SURVEY @ 1210 1°

4:00 P.M. TO MIDNIGHT

WEATHER TEMP

DETAILS OF DRILLING STRING

	STDS.	SLGS.	SIZE	LENGTH	
D.P.	14	7	4 1/2	406	66
D.C.	9	1	6 3/4	367	53
SUBS					
REAMERS				7	38
BIT SUB				4	00
KELLY LENGTH				38	00
TOTAL ON HOOK				1523	77
UP ON KELLY				4	00
TOTAL DEPTH				1519	77

TOUR DRILLING, RATHOLING & REAMING RECORD

FROM	TO	HOURS	WEIGHT	FORMATION
1241	1519	5 1/2	30M	

BIT AND CORE HEAD RECORD

BIT NO.	SIZE	MAKE	SERIAL	FOOTAGE	HOURS
1RR	8 3/4	X3A	19824	1039	21 1/2

INCLINATION AND DIRECTIONAL SURVEYS

MAKE AND TYPE	DEPTH	DEGREE AND DIRECTION
TOTCO	1304	2°
TOTCO	1395	2°

SIGNED P. Schaffer DRILLER

DETAILS OF MUD TESTS

TIME	WT.	VIS.	W.L.	CAKE	PH
11:00	8.7	29			
1:00	8.4	32			
8:00	9.0	50			
10:00	9.2	42			

DETAILS OF MUD ADDITIVES

MATERIAL	LBS.	MATERIAL	LBS.
GEL	3400		
CAUSTIC	100		
[illegible]	150		

REMARKS

Daily water 330 bbls acc 2050 bbls
mud 20 bbls acc 1640 bbls
well 2715 bbls acc 37296 bbls

FROM	TO	DESCRIPTION OF WORK PERFORMED
4:00	4:30	DRILL 8 3/4 HOLE
4:30	4:45	RIG SERV.
4:45	5:45	DRILL 8 3/4" HOLE
5:45	6:15	WORK HOLE & SURVEY @ 1304
6:15	8:15	DRILL 8 3/4" HOLE
8:15	8:45	WORK HOLE & SURVEY @ 1398
8:45	9:45	DRILL 8 3/4" HOLE
9:45	10:15	WORK ON C-250 MUD PUMP
10:15	10:30	DRILL 8 3/4" HOLE
10:30	11:15	CHANGE SHAKER SCREEN
11:15	12:00	DRILL 8 3/4" HOLE

[illegible] CON. SUP. REP. BOILER USED THIS 24 HOURS? [illegible] TOOLPUSH

Form 126

SURF. CSG. SIZE 10 3/4 "AT 460
INTER. CSG. SIZE "AT
K.B. ELEV. 6 +2
GROUND ELEV. 6 18
K.B. TO CSG. FLANGE

CANADIAN SUPERIOR OIL LTD.

DAILY DRILLING REPORT

CONTRACTOR BEAVER DRLG
SERVICE/ROTARY RIG NO. 3

DATE JAN 27/69
FIELD WILD CAT
LEASE CAN SUP - KMG
WELL NO. JEAN MARIE J-52
PROVINCE NWT

MIDNIGHT TO 8:00 A.M.

WEATHER | TEMP

DETAILS OF DRILLING STRING

	STDS.	SLGS.	SIZE	LENGTH
D.P.				
D.C.				355 53
SUBS				2 38

KELLY LENGTH 38 00
TOTAL ON HOOK 42 71
UP ON KELLY
TOTAL DEPTH 425 91

TOUR DRILLING, RATHOLING & REAMING RECORD

FROM	TO	HOURS	WEIGHT	FORMATION

BIT AND CORE HEAD RECORD

BIT NO.	SIZE	MAKE	SERIAL	FOOTAGE	HOURS
1	8 3/4	AW	19524		

INCLINATION AND DIRECTIONAL SURVEYS

MAKE AND TYPE	DEPTH	DEGREE AND DIRECTION

SIGNED [illegible] DRILLER

DETAILS OF MUD TESTS

TIME	WT.	VIS.	W.L.	CAKE	PH

DETAILS OF MUD ADDITIVES

MATERIAL	LBS.	MATERIAL	LBS.

REMARKS Pressure test Blinds rams (@ 1000 P.S.I. for 15 minutes O.K
Pressure test 4 1/2 pipe rams @ 1000 P.S.I. O.K (15 minutes)
Pressure test Hydril for 15 minutes @ 1000 P.S.I O.K
Check motor shut off prior to drill out O.K.

[illegible]

FROM	TO	DESCRIPTION OF WORK PERFORMED
12 00	2 00	NIPPLE UP BOPS
2 30	3 00	PRESSURE BLIND RAMS 1000 PSI (OK)
3 00	4 00	RUN IN WITH BIT 1 TO DRILL OUT CEMENT + FLOAT
4 00	5 00	RIG UP DST + CLEAN MOUSE HOLE
5 00	7 00	BREAK CIRC + DRILL CEMENT + PLUG
7 00	8 00	WORK ON ACCUMULATOR
		top of Cement 406
		top of Plug 417.50

8:00 A.M. TO 4:00 P.M.

WEATHER | TEMP

DETAILS OF DRILLING STRING

	STDS.	SLGS.	SIZE	LENGTH
D.P.				
D.C.	6	1	6 1/4	385 93
SUBS	0 X		6 1/4	2 38

KELLY LENGTH 38 00
TOTAL ON HOOK 487 71
UP ON KELLY 22 00
TOTAL DEPTH 465 71

TOUR DRILLING, RATHOLING & REAMING RECORD

FROM	TO	HOURS	WEIGHT	FORMATION
460	465	1/4	10	

BIT AND CORE HEAD RECORD

BIT NO.	SIZE	MAKE	SERIAL	FOOTAGE	HOURS
1	8 3/4	AJM	19824	3	1/4

INCLINATION AND DIRECTIONAL SURVEYS

MAKE AND TYPE	DEPTH	DEGREE AND DIRECTION

SIGNED P. Schaffer DRILLER

DETAILS OF MUD TESTS

TIME	WT.	VIS.	W.L.	CAKE	PH

DETAILS OF MUD ADDITIVES

MATERIAL	LBS.	MATERIAL	LBS.

REMARKS Install new accumulator prior to drill out + checked same

Top of Cement 406
Top of Float 415
Shoe 460

FROM	TO	DESCRIPTION OF WORK PERFORMED
8 00	1.30	WORK ON ACCUMULATOR
~~[illegible]~~		~~[illegible]~~
1.30	2.00	PRESSURE TEST HYDRIL FOR 15 MINS. @ 1000 P.S.I. - OK.
2.00	3.45	DRILL OUT CEMENT & SHOE
3.45	4.00	DRILL 8 3/4 HOLE

4:00 P.M. TO MIDNIGHT

WEATHER | TEMP

DETAILS OF DRILLING STRING

	STDS.	SLGS.	SIZE	LENGTH
D.P.	3		4 1/2	240 06
D.C.	6	1	6 1/4	385 93
SUBS	0 X		6 1/4	2 38

KELLY LENGTH 38 00
TOTAL ON HOOK 705 97
UP ON KELLY 0
TOTAL DEPTH 705 97

TOUR DRILLING, RATHOLING & REAMING RECORD

FROM	TO	HOURS	WEIGHT	FORMATION
465	705	240	18	

BIT AND CORE HEAD RECORD

BIT NO.	SIZE	MAKE	SERIAL	FOOTAGE	HOURS
1	8 3/4	AJM	19824	245	7 1/4

INCLINATION AND DIRECTIONAL SURVEYS

MAKE AND TYPE	DEPTH	DEGREE AND DIRECTION
TOTCO	643	1/4

SIGNED P. Schaffer DRILLER

DETAILS OF MUD TESTS

TIME	WT.	VIS.	W.L.	CAKE	PH
8:00	8.5	29			
10:00	8.5	29			

DETAILS OF MUD ADDITIVES

MATERIAL	LBS.	MATERIAL	LBS.
SODIUM BICAR	200		

REMARKS
Daily water 330 - acc 1050 -
mud 20 - acc 1690 -
well 2715 - acc 37296 -

FROM	TO	DESCRIPTION OF WORK PERFORMED
4.00	4.03	DRILL 8 3/4 HOLE
4.03	5.00	RIG SERV. & B.O.P.S.
5.00	6.15	DRILL 8 3/4 HOLE
6.15	6.45	CLEAN MUD TANK & DISPLACE HOLE
6.45	10:00	DRILL 8 3/4" HOLE
10:00	10:15	SURVEY @ 643 1/4°
10:15	12.00	DRILL 8 3/4" HOLE

[illegible] CDN. SUP. REP.

BOILER USED THIS 24 HOURS?

[illegible] TOOLPUSH

Form 126

SURF. CSG. SIZE 10 3/4 "AT 460
INTER. CSG. SIZE ____ "AT ____
K.B. ELEV. 632
GROUND ELEV. 618
K.B. TO CSG. FLANGE 14.00

CANADIAN SUPERIOR OIL LTD.

DAILY DRILLING REPORT

CONTRACTOR BEAVER DRLG
SERVICE/ROTARY RIG NO. RIG 3

DATE JAN 26/70
FIELD WILDCAT
LEASE BAN SUP + KMG
WELL NO. JEAN MARIE J-52
PROVINCE N.W.T.

MIDNIGHT TO 8:00 A.M.

WEATHER ____ TEMP ____

DETAILS OF DRILLING STRING

	STDS.	SLGS.	SIZE	LENGTH
D.P.				
D.C.				
SUBS				
KELLY LENGTH				
TOTAL ON HOOK				
UP ON KELLY				
TOTAL DEPTH				

TOUR DRILLING, RATHOLING & REAMING RECORD

FROM	TO	HOURS	WEIGHT	FORMATION

BIT AND CORE HEAD RECORD

BIT NO.	SIZE	MAKE	SERIAL	FOOTAGE	HOURS

INCLINATION AND DIRECTIONAL SURVEYS

MAKE AND TYPE	DEPTH	DEGREE AND DIRECTION

SIGNED E.J. Whitemore DRILLER

DETAILS OF MUD TESTS

TIME	WT.	VIS.	W.L.	CAKE	PH

DETAILS OF MUD ADDITIVES

MATERIAL	LBS.	MATERIAL	LBS.

REMARKS

FROM	TO	DESCRIPTION OF WORK PERFORMED
12 00	3 00	RUN CASING
3 00	4 30	CIRC CASING
4 30	5 00	RIG TO - MIX CEMENT
5 00	5 15	PUMP DOWN PLUG
5 15	8 00	DIG CELLAR - FULL OF ROCKS + TREES

8:00 A.M. TO 4:00 P.M.

WEATHER ____ TEMP ____

DETAILS OF DRILLING STRING

	STDS.	SLGS.	SIZE	LENGTH
D.P.				
D.C.				
SUBS				
KELLY LENGTH				
TOTAL ON HOOK				
UP ON KELLY				
TOTAL DEPTH				

TOUR DRILLING, RATHOLING & REAMING RECORD

FROM	TO	HOURS	WEIGHT	FORMATION

BIT AND CORE HEAD RECORD

BIT NO.	SIZE	MAKE	SERIAL	FOOTAGE	HOURS

INCLINATION AND DIRECTIONAL SURVEYS

MAKE AND TYPE	DEPTH	DEGREE AND DIRECTION

SIGNED ____ DRILLER

DETAILS OF MUD TESTS

TIME	WT.	VIS.	W.L.	CAKE	PH

DETAILS OF MUD ADDITIVES

MATERIAL	LBS.	MATERIAL	LBS.

REMARKS

FROM	TO	DESCRIPTION OF WORK PERFORMED
8:00	1:30	DIG CELLAR
1:30		CUT OFF CASING PREHEAT BOWL &
	4:00	WELD ON SAME

Install Cameron 10" x 600 weld on casing bowl Press test weld to 1500 P.S.I for 15 Minutes O.K

4:00 P.M. TO MIDNIGHT

WEATHER ____ TEMP ____

DETAILS OF DRILLING STRING

	STDS.	SLGS.	SIZE	LENGTH
D.P.				
D.C.				
SUBS				
KELLY LENGTH				
TOTAL ON HOOK				
UP ON KELLY				
TOTAL DEPTH				

TOUR DRILLING, RATHOLING & REAMING RECORD

FROM	TO	HOURS	WEIGHT	FORMATION

BIT AND CORE HEAD RECORD

BIT NO.	SIZE	MAKE	SERIAL	FOOTAGE	HOURS

INCLINATION AND DIRECTIONAL SURVEYS

MAKE AND TYPE	DEPTH	DEGREE AND DIRECTION

SIGNED ____ DRILLER

DETAILS OF MUD TESTS

TIME	WT.	VIS.	W.L.	CAKE	PH

DETAILS OF MUD ADDITIVES

MATERIAL	LBS.	MATERIAL	LBS.

REMARKS

		FROM	TO	DESCRIPTION OF WORK PERFORMED
Daily water cost 230.00	acc 1720.00	4:00	4:30	WELD ON BOWL
" mud cost Nil	acc 1650.00	4:30	5:00	PRESSURE TEST BOWL TO 1500 P.S.I OK
" well cost 3672.00	acc 39581.00	5:00	12:00	NIPPLE B.O.E.

J. Rathbun CON. SUP. REP. BOILER USED THIS 24 HOURS? ____ TOOLPUSH

Form 126

SURF. CSG. SIZE _____ "AT _____
INTER. CSG. SIZE _____ "AT _____
K.B. ELEV. 632.00
GROUND ELEV. 618.00
K.B. TO CSG. FLANGE 14.00

CANADIAN SUPERIOR OIL LTD.

DAILY DRILLING REPORT

CONTRACTOR BEAVER DRIG
SERVICE/ROTARY RIG NO. RIG 3

DATE JAN 25/70
FIELD WILDCAT
LEASE KAN SUP - KAG
WELL NO. JEAN MARIE
PROVINCE N.W.T.

MIDNIGHT TO 8:00 A.M.

WEATHER | TEMP

DETAILS OF DRILLING STRING

	STDS.	SLGS.	SIZE	LENGTH	
D.P.					
D.C.	6		6 1/2	355	12
SUBS				5	15
KELLY LENGTH				38	00
TOTAL ON HOOK				399	07
UP ON KELLY				14	07
TOTAL DEPTH				385	00

TOUR DRILLING, RATHOLING & REAMING RECORD

FROM	TO	HOURS	WEIGHT	FORMATION
263	385	5 1/2	12M	SHALE

BIT AND CORE HEAD RECORD

BIT NO.	SIZE	MAKE	SERIAL	FOOTAGE	HOURS
4H	15	OSC3	6355	122	14

INCLINATION AND DIRECTIONAL SURVEYS

MAKE AND TYPE	DEPTH	DEGREE AND DIRECTION
TOTCO	308	1/2
TOTCO	367	3/4

SIGNED [signature] DRILLER

DETAILS OF MUD TESTS

TIME	WT.	VIS.	W.L.	CAKE	PH
12:00	9.0	34			
2:00	9.0	34			
4:00	9.1	35			
6:00	9.1	35			

DETAILS OF MUD ADDITIVES

MATERIAL	LBS.	MATERIAL	LBS.
Gel	2500		

REMARKS

FROM	TO	DESCRIPTION OF WORK PERFORMED
12:00	12:15	REC SER.
12:15	2:45	DRILL 5" HOLE
2:45	3:00	REPLACE BLAND PACKING
3:00	3:30	DRILLING
3:30	4:00	CIR hole & SURVEY
4:00	6:45	DRILLING
6:45	7:00	SURVEY
7:00	7:30	DRILLING

8:00 A.M. TO 4:00 P.M.

WEATHER | TEMP

DETAILS OF DRILLING STRING

	STDS.	SLGS.	SIZE	LENGTH	
D.P.		1		31	09
D.C.	6			355	92
SUBS				5	15
KELLY LENGTH				38	00
TOTAL ON HOOK				490	16
UP ON KELLY				0	
TOTAL DEPTH				430	16

TOUR DRILLING, RATHOLING & REAMING RECORD

FROM	TO	HOURS	WEIGHT	FORMATION
385	430	2 1/2	12M	

BIT AND CORE HEAD RECORD

BIT NO.	SIZE	MAKE	SERIAL	FOOTAGE	HOURS
4A	15	OSC3	6355	327	16 1/2

INCLINATION AND DIRECTIONAL SURVEYS

MAKE AND TYPE	DEPTH	DEGREE AND DIRECTION

SIGNED DRILLER

DETAILS OF MUD TESTS

TIME	WT.	VIS.	W.L.	CAKE	PH
6:00	9.2	41			
10:00	9.2	45			
12:00	9.2	38			

DETAILS OF MUD ADDITIVES

MATERIAL	LBS.	MATERIAL	LBS.
GEL	1500		

REMARKS

FROM	TO	DESCRIPTION OF WORK PERFORMED
6:00	8:15	REC SER
8:15	10:45	DRILL 15" HOLE
10:45	12:00	WORK ON PUMP
12:00	3:00	[redacted] WORK ON PUMP
3:00	4:00	DUMMY TRIP ONT OF HOLE

4:00 P.M. TO MIDNIGHT

WEATHER | TEMP

DETAILS OF DRILLING STRING

	STDS.	SLGS.	SIZE	LENGTH	
D.P.	1		4 1/2	62	35
D.C.	6		6 1/4	355	92
SUBS				5	15
KELLY LENGTH				38	00
TOTAL ON HOOK				461	42
UP ON KELLY				1	00
TOTAL DEPTH				460	42

TOUR DRILLING, RATHOLING & REAMING RECORD

FROM	TO	HOURS	WEIGHT	FORMATION
430	460	2 1/2	15M	

BIT AND CORE HEAD RECORD

BIT NO.	SIZE	MAKE	SERIAL	FOOTAGE	HOURS
4A	15	OSC3	6355	327	19
			reund	2-2-1	

INCLINATION AND DIRECTIONAL SURVEYS

MAKE AND TYPE	DEPTH	DEGREE AND DIRECTION
TOTCO	460	1°

SIGNED DRILLER

DETAILS OF MUD TESTS

TIME	WT.	VIS.	W.L.	CAKE	PH
8:00	9.2	44			

DETAILS OF MUD ADDITIVES

MATERIAL	LBS.	MATERIAL	LBS.
GEL	1000		

REMARKS

Daily water 160 bbls all 1390 bbls
mud 300 bbls all 1620 bbls
well 6872 bbls all 31886 bbls

FROM	TO	DESCRIPTION OF WORK PERFORMED
4:00	4:30	WORK ON SWEDGE ON SWIVEL
4:30	5:00	RUN IN HOLE
5:00	5:30	BREAK CIRC & CLEAN TO BTM 20'
5:30	6:00	DRILL 15" HOLE
6:00	7:00	WORK ON C-250 MUD PUMP
7:00	9:00	DRILL 15" HOLE
9:00	10:30	CIRC TO COND. HOLE TO RUN CASING
10:30	11:15	PULL OUT TO RUN CASING
11:15	12:00	RIG TO RUN CASING

[signature] CON. SUP. REP.

BOILER USED THIS 24 HOURS? _____

[signature] TOOLPUSH

Form 126

SURF. CSG. SIZE — "AT
INTER. CSG. SIZE — "AT
K.B. ELEV. 632.00
GROUND ELEV. 618.00
K.B. TO CSG. FLANGE —

CANADIAN SUPERIOR OIL LTD.

DAILY DRILLING REPORT

CONTRACTOR BEAVER DRILLING
SERVICE/ROTARY RIG NO. 3

DATE JAN 24/70
FIELD WILD CAT
LEASE CAN SUP K.M.6
WELL NO. JEAN MARIE J-52
PROVINCE N.W.T.

MIDNIGHT TO 8:00 A.M.

WEATHER | TEMP

DETAILS OF DRILLING STRING

	STDS.	SLGS.	SIZE	LENGTH	
D.P.					
D.C.			6¼	28	51
SUBS				5	15
KELLY LENGTH				38	00
TOTAL ON HOOK				71	66
UP ON KELLY					00
TOTAL DEPTH				71	66

TOUR DRILLING, RATHOLING & REAMING RECORD

FROM	TO	HOURS	WEIGHT	FORMATION
69	71	6	10M	ROCK

BIT AND CORE HEAD RECORD

BIT NO.	SIZE	MAKE	SERIAL	FOOTAGE	HOURS
1A	15"	H.W.	12039	70	10½
2A	15"	H.W.	SP445	1	3¼
3A	11	H.W.	NR806		

INCLINATION AND DIRECTIONAL SURVEYS

MAKE AND TYPE	DEPTH	DEGREE AND DIRECTION

SIGNED G. Cooper DRILLER

DETAILS OF MUD TESTS

TIME	WT.	VIS.	W.L.	CAKE	PH
12.00	8.5	28			
2.00	8.5	28			
4.00	8.5	28			
6.00	8.5	28			

DETAILS OF MUD ADDITIVES

MATERIAL	LBS.	MATERIAL	LBS.

REMARKS

FROM	TO	DESCRIPTION OF WORK PERFORMED
12:00	12:15	RIG SER
12:15	3:00	DRILLING ON ROCK
3:00	3:15	PULL OUT CHANGE BITS
3:15	6:30	DRILLING 15" HOLE
6:30	8:00	DIG MOUSE HOLE CIRC & WORK SAMP

8:00 A.M. TO 4:00 P.M.

WEATHER | TEMP

DETAILS OF DRILLING STRING

	STDS.	SLGS.	SIZE	LENGTH	
D.P.					
D.C.			6¼	117	96
SUBS				5	15
KELLY LENGTH				38	00
TOTAL ON HOOK				161	11
UP ON KELLY					00
TOTAL DEPTH				161	11

TOUR DRILLING, RATHOLING & REAMING RECORD

FROM	TO	HOURS	WEIGHT	FORMATION
71	161	5½	18M	SHALE & ROCK

BIT AND CORE HEAD RECORD

BIT NO.	SIZE	MAKE	SERIAL	FOOTAGE	HOURS
2A	15	H.W.	SP445	33	8½
3A	11	H.W.	NR806	MOUSE HOLE	
4A	15	H.W.	8356	RUNNING 2½	

INCLINATION AND DIRECTIONAL SURVEYS

MAKE AND TYPE	DEPTH	DEGREE AND DIRECTION
	70	¼
	132	¾

SIGNED E. J. [illegible] DRILLER

DETAILS OF MUD TESTS

TIME	WT.	VIS.	W.L.	CAKE	PH
8.00	8.7	31			
10.00	8.7	32			
2.00	8.7	32			
4.00	8.8	32			

DETAILS OF MUD ADDITIVES

MATERIAL	LBS.	MATERIAL	LBS.
GEL	1500		

REMARKS

FROM	TO	DESCRIPTION OF WORK PERFORMED
8.00	8.15	RIG SER.
8.15	11.45	DRILL 15" HOLE
11.45	12.45	TRIP FOR BIT #2A & CLEAN 10' FILL
12.45	1.15	DRILL 15" HOLE
1.15	2.15	CLEAN HOLE & SURVEY @ 132
2.15	4.00	DRILL 15" HOLE

4:00 P.M. TO MIDNIGHT

WEATHER | TEMP

DETAILS OF DRILLING STRING

	STDS.	SLGS.	SIZE	LENGTH	
D.P.					
D.C.	4		6¼	235	79
SUBS				5	15
KELLY LENGTH				38	00
TOTAL ON HOOK				278	94
UP ON KELLY				15	00
TOTAL DEPTH				263	94

TOUR DRILLING, RATHOLING & REAMING RECORD

FROM	TO	HOURS	WEIGHT	FORMATION
161	263	6	12M	

BIT AND CORE HEAD RECORD

BIT NO.	SIZE	MAKE	SERIAL	FOOTAGE	HOURS
4A	15	OSC3	4335	160	8½

INCLINATION AND DIRECTIONAL SURVEYS

MAKE AND TYPE	DEPTH	DEGREE AND DIRECTION
TOTCO	190	¾°
TOTCO	249	¾°

SIGNED P. Schaffer DRILLER

DETAILS OF MUD TESTS

TIME	WT.	VIS.	W.L.	CAKE	PH
4.00	8.8	33			
6.00	8.9	35			
8.00	8.9	34			
10:00	8.9	34			

DETAILS OF MUD ADDITIVES

MATERIAL	LBS.	MATERIAL	LBS.
GEL	3700		

REMARKS

Daily water cost 291 - acc 1230 -
mud cost 167 - acc 1411 -
well cost 2453 - acc 25014 -

FROM	TO	DESCRIPTION OF WORK PERFORMED
4.00	4.15	DRILL 15" HOLE
4.15	4.30	RIG SERV.
4.30	5.00	WORK HOLE & SURVEY
5.00	6.45	DRILL 15" HOLE
6.45	7.30	WORK ON PUMP
7.30	10.15	DRILL 15" HOLE
10.15	10.45	WORK HOLE & SURVEY
10.45	12.00	DRILL 15" HOLE

CDN. SUP. REP. [illegible] BOILER USED THIS 24 HOURS? TOOLPUSH [illegible]

Form 126

SURF. CSG. SIZE — "AT —
INTER. CSG. SIZE — "AT —
K.B. ELEV. 632.00
GROUND ELEV. 616.00
K.B. TO CSG. FLANGE —

CANADIAN SUPERIOR OIL LTD.

DAILY DRILLING REPORT

CONTRACTOR Beaver Drilling
SERVICE/ROTARY RIG NO. 3

DATE JAN. 23/70
FIELD WILDCAT
LEASE CAN. SUP KING
WELL NO. JEAN-MARIE J-52
PROVINCE NWT

MIDNIGHT TO 8:00 A.M.

WEATHER | TEMP

DETAILS OF DRILLING STRING

	STDS.	SLGS.	SIZE	LENGTH	
D.P.					
D.C.					
SUBS					
KELLY LENGTH					
TOTAL ON HOOK					
UP ON KELLY					
TOTAL DEPTH					

TOUR DRILLING, RATHOLING & REAMING RECORD

FROM	TO	HOURS	WEIGHT	FORMATION

BIT AND CORE HEAD RECORD

BIT NO.	SIZE	MAKE	SERIAL	FOOTAGE	HOURS

INCLINATION AND DIRECTIONAL SURVEYS

MAKE AND TYPE	DEPTH	DEGREE AND DIRECTION

E. Cooper
SIGNED DRILLER

DETAILS OF MUD TESTS

TIME	WT.	VIS.	W.L.	CAKE	PH

DETAILS OF MUD ADDITIVES

MATERIAL	LBS.	MATERIAL	LBS.
Starch	12 bags		

REMARKS

FROM	TO	DESCRIPTION OF WORK PERFORMED
12:00	4:00	WAIT on WATER. dig ditches &
4:00	8:00	Digging mouse hole & RAT hole

8:00 A.M. TO 4:00 P.M.

WEATHER | TEMP

DETAILS OF DRILLING STRING

	STDS.	SLGS.	SIZE	LENGTH	
D.P.					
D.C.					
SUBS			5.10		
KELLY LENGTH				38.	
TOTAL ON HOOK				43	10
UP ON KELLY				43	10
TOTAL DEPTH				20	00

TOUR DRILLING, RATHOLING & REAMING RECORD

FROM	TO	HOURS	WEIGHT	FORMATION
0	20	1	9m.	

BIT AND CORE HEAD RECORD

BIT NO.	SIZE	MAKE	SERIAL	FOOTAGE	HOURS
1A.	15	H.W	13037	20	1

INCLINATION AND DIRECTIONAL SURVEYS

MAKE AND TYPE	DEPTH	DEGREE AND DIRECTION

E. Westerman
SIGNED DRILLER

DETAILS OF MUD TESTS

TIME	WT.	VIS.	W.L.	CAKE	PH

DETAILS OF MUD ADDITIVES

MATERIAL	LBS.	MATERIAL	LBS.
Starch	[illegible]	Caustic	

REMARKS

FROM	TO	DESCRIPTION OF WORK PERFORMED
8:00		Digging RAT Hole. hoosing mud
	2:30	TOV Submit.
2:00	3:00	Rig Up Spud.
3:00	4:00	Drilling 15" Surface hole.

spud 3 pm. Jan 23rd 1970
@ 15" Bit

4:00 P.M. TO MIDNIGHT

WEATHER | TEMP

DETAILS OF DRILLING STRING

	STDS.	SLGS.	SIZE	LENGTH	
D.P.					
D.C.	1		6 5/8	28	51
SUBS	BELL		6 3/8	2	77
	6 X		6 5/8	2	34
KELLY LENGTH				38	00
TOTAL ON HOOK				71	66
UP ON KELLY				2	00
TOTAL DEPTH				69	66

TOUR DRILLING, RATHOLING & REAMING RECORD

FROM	TO	HOURS	WEIGHT	FORMATION
20	69	6 3/4	ALL	

BIT AND CORE HEAD RECORD

BIT NO.	SIZE	MAKE	SERIAL	FOOTAGE	HOURS
1A	15	OSC3	12039	69	7 3/4
	11	OSC	USED TO DIG MOUSE HOLE		

INCLINATION AND DIRECTIONAL SURVEYS

MAKE AND TYPE	DEPTH	DEGREE AND DIRECTION

P. Schaffer
SIGNED DRILLER

DETAILS OF MUD TESTS

TIME	WT.	VIS.	W.L.	CAKE	PH
6:00	8.6	30			
8:00	8.6	32			
10:00	8.6	31			

DETAILS OF MUD ADDITIVES

MATERIAL	LBS.	MATERIAL	LBS.
GEL	1500		
CAUSTIC	150		

REMARKS

Daily water cost 530.00 acc 530.00
Daily mud cost 1212.00 acc 1212.00
Daily well cost 16,336 acc 17316.00

FROM	TO	DESCRIPTION OF WORK PERFORMED
4:00	6:15	DRILL 15" HOLE, SITTING ON BLOCKS
6:15	7:00	PICK UP RAILS & ELEVATORS
7:00	11:30	DRILL 15" HOLE FORMATION VERY ROUGH
11:30	12:00	PULL UP & CHECK BIT

CDN. SUP. REP. | BOILER USED THIS 24 HOURS? | TOOLPUSH

Form 126

SURF. CSG. SIZE _____ "AT _____
INTER. CSG. SIZE _____ "AT _____
K.B. ELEV. _____
GROUND ELEV. _____
K.B. TO CSG. FLANGE _____

CANADIAN SUPERIOR OIL LTD.

DAILY DRILLING REPORT

CONTRACTOR Beaver Drilling.
SERVICE/ROTARY RIG NO. 3.

DATE JAN. 22/70
FIELD Wild Cat.
LEASE Can Sup King
WELL NO. Jean Marie J-02
PROVINCE NWT.

MIDNIGHT TO 8:00 A.M.

WEATHER | TEMP

DETAILS OF DRILLING STRING

	STDS.	SLGS.	SIZE	LENGTH
D.P.				
D.C.				
SUBS				
KELLY LENGTH				
TOTAL ON HOOK				
UP ON KELLY				
TOTAL DEPTH				

TOUR DRILLING, RATHOLING & REAMING RECORD

FROM	TO	HOURS	WEIGHT	FORMATION

BIT AND CORE HEAD RECORD

BIT NO.	SIZE	MAKE	SERIAL	FOOTAGE	HOURS

INCLINATION AND DIRECTIONAL SURVEYS

MAKE AND TYPE	DEPTH	DEGREE AND DIRECTION

E. Cooper.
SIGNED DRILLER

DETAILS OF MUD TESTS

TIME	WT.	VIS.	W.L.	CAKE	PH

DETAILS OF MUD ADDITIVES

MATERIAL	LBS.	MATERIAL	LBS.

REMARKS

FROM	TO	DESCRIPTION OF WORK PERFORMED
		Rigging up on new location.

8:00 A.M. TO 4:00 P.M.

WEATHER | TEMP

DETAILS OF DRILLING STRING

	STDS.	SLGS.	SIZE	LENGTH
D.P.				
D.C.				
SUBS				
KELLY LENGTH				
TOTAL ON HOOK				
UP ON KELLY				
TOTAL DEPTH				

TOUR DRILLING, RATHOLING & REAMING RECORD

FROM	TO	HOURS	WEIGHT	FORMATION

BIT AND CORE HEAD RECORD

BIT NO.	SIZE	MAKE	SERIAL	FOOTAGE	HOURS

INCLINATION AND DIRECTIONAL SURVEYS

MAKE AND TYPE	DEPTH	DEGREE AND DIRECTION

E. Watson
SIGNED DRILLER

DETAILS OF MUD TESTS

TIME	WT.	VIS.	W.L.	CAKE	PH

DETAILS OF MUD ADDITIVES

MATERIAL	LBS.	MATERIAL	LBS.

REMARKS

FROM	TO	DESCRIPTION OF WORK PERFORMED
		Rigging up on new location
		Boiler started at 1 pm Jan. 22/70

4:00 P.M. TO MIDNIGHT

WEATHER | TEMP

DETAILS OF DRILLING STRING

	STDS.	SLGS.	SIZE	LENGTH
D.P.				
D.C.				
SUBS				
KELLY LENGTH				
TOTAL ON HOOK				
UP ON KELLY				
TOTAL DEPTH				

TOUR DRILLING, RATHOLING & REAMING RECORD

FROM	TO	HOURS	WEIGHT	FORMATION

BIT AND CORE HEAD RECORD

BIT NO.	SIZE	MAKE	SERIAL	FOOTAGE	HOURS

INCLINATION AND DIRECTIONAL SURVEYS

MAKE AND TYPE	DEPTH	DEGREE AND DIRECTION

R. Schaffer.
SIGNED DRILLER

DETAILS OF MUD TESTS

TIME	WT.	VIS.	W.L.	CAKE	PH

DETAILS OF MUD ADDITIVES

MATERIAL	LBS.	MATERIAL	LBS.

REMARKS

FROM	TO	DESCRIPTION OF WORK PERFORMED
		Rigging up on new location.

A. Hechtman CDN. SUP. REP.

BOILER USED THIS 24 HOURS? Yes

TOOLPUSH

Form 126

SURF. CSG. SIZE _____ "AT _____
INTER. CSG. SIZE _____ "AT _____
K.B. ELEV. _____
GROUND ELEV. _____
K.B. TO CSG. FLANGE _____

CANADIAN SUPERIOR OIL LTD.

DAILY DRILLING REPORT

CONTRACTOR Beaver Drilling
SERVICE/ROTARY RIG NO. 3.

DATE JAN 21/70.
FIELD WILDCAT
LEASE CAN S-P KING.
WELL NO. TEXN. MIDDLE J-32
PROVINCE NWT.

MIDNIGHT TO 8:00 A.M.

WEATHER | TEMP

DETAILS OF DRILLING STRING

	STDS.	SLGS.	SIZE	LENGTH
D.P.				
D.C.				
SUBS				
KELLY LENGTH				
TOTAL ON HOOK				
UP ON KELLY				
TOTAL DEPTH				

TOUR DRILLING, RATHOLING & REAMING RECORD

FROM	TO	HOURS	WEIGHT	FORMATION

BIT AND CORE HEAD RECORD

BIT NO.	SIZE	MAKE	SERIAL	FOOTAGE	HOURS

INCLINATION AND DIRECTIONAL SURVEYS

MAKE AND TYPE	DEPTH	DEGREE AND DIRECTION

E. Cooper.
SIGNED DRILLER

DETAILS OF MUD TESTS

TIME	WT.	VIS.	W.L.	CAKE	PH

DETAILS OF MUD ADDITIVES

MATERIAL	LBS.	MATERIAL	LBS.

REMARKS

FROM	TO	DESCRIPTION OF WORK PERFORMED
		Rigging up on New Location.

8:00 A.M. TO 4:00 P.M.

WEATHER | TEMP

DETAILS OF DRILLING STRING

	STDS.	SLGS.	SIZE	LENGTH
D.P.				
D.C.				
SUBS				
KELLY LENGTH				
TOTAL ON HOOK				
UP ON KELLY				
TOTAL DEPTH				

TOUR DRILLING, RATHOLING & REAMING RECORD

FROM	TO	HOURS	WEIGHT	FORMATION

BIT AND CORE HEAD RECORD

BIT NO.	SIZE	MAKE	SERIAL	FOOTAGE	HOURS

INCLINATION AND DIRECTIONAL SURVEYS

MAKE AND TYPE	DEPTH	DEGREE AND DIRECTION

S. Westermen
SIGNED DRILLER

DETAILS OF MUD TESTS

TIME	WT.	VIS.	W.L.	CAKE	PH

DETAILS OF MUD ADDITIVES

MATERIAL	LBS.	MATERIAL	LBS.

REMARKS

FROM	TO	DESCRIPTION OF WORK PERFORMED
8	4	Rigging up on New Location.

4:00 P.M. TO MIDNIGHT

WEATHER | TEMP

DETAILS OF DRILLING STRING

	STDS.	SLGS.	SIZE	LENGTH
D.P.				
D.C.				
SUBS				
KELLY LENGTH				
TOTAL ON HOOK				
UP ON KELLY				
TOTAL DEPTH				

TOUR DRILLING, RATHOLING & REAMING RECORD

FROM	TO	HOURS	WEIGHT	FORMATION

BIT AND CORE HEAD RECORD

BIT NO.	SIZE	MAKE	SERIAL	FOOTAGE	HOURS

INCLINATION AND DIRECTIONAL SURVEYS

MAKE AND TYPE	DEPTH	DEGREE AND DIRECTION

R. Schaffer.
SIGNED DRILLER

DETAILS OF MUD TESTS

TIME	WT.	VIS.	W.L.	CAKE	PH

DETAILS OF MUD ADDITIVES

MATERIAL	LBS.	MATERIAL	LBS.

REMARKS

FROM	TO	DESCRIPTION OF WORK PERFORMED
		Rigging up on New Location.

A. Bottrans CDN. SUP. REP. | BOILER USED THIS 24 HOURS? N | TOOLPUSH

Form 126

SURF. CSG. SIZE _____ "AT _____
INTER. CSG. SIZE _____ "AT _____
K.B. ELEV. _____
GROUND ELEV. _____
K.B. TO CSG. FLANGE _____

CANADIAN SUPERIOR OIL LTD.

DAILY DRILLING REPORT

CONTRACTOR Beaver Drilling
SERVICE/ROTARY RIG NO. 3.

DATE JAN 20/70
FIELD Wild Cat
LEASE Can. Sun. Kmg.
WELL NO. Year. Marie J-5
PROVINCE NWT.

MIDNIGHT TO 8:00 A.M.

WEATHER | TEMP

DETAILS OF DRILLING STRING

	STDS.	SLGS.	SIZE	LENGTH
D.P.				
D.C.				
SUBS				
KELLY LENGTH				
TOTAL ON HOOK				
UP ON KELLY				
TOTAL DEPTH				

TOUR DRILLING, RATHOLING & REAMING RECORD

FROM	TO	HOURS	WEIGHT	FORMATION

BIT AND CORE HEAD RECORD

BIT NO.	SIZE	MAKE	SERIAL	FOOTAGE	HOURS

INCLINATION AND DIRECTIONAL SURVEYS

MAKE AND TYPE	DEPTH	DEGREE AND DIRECTION

SIGNED E. Cooper. DRILLER

DETAILS OF MUD TESTS

TIME	WT.	VIS.	W.L.	CAKE	PH

DETAILS OF MUD ADDITIVES

MATERIAL	LBS.	MATERIAL	LBS.

REMARKS

FROM	TO	DESCRIPTION OF WORK PERFORMED
		Load out Camp.
		Camp moved. Breakfast.
		Rest. rest. work location.

8:00 A.M. TO 4:00 P.M.

WEATHER | TEMP

DETAILS OF DRILLING STRING

	STDS.	SLGS.	SIZE	LENGTH
D.P.				
D.C.				
SUBS				
KELLY LENGTH				
TOTAL ON HOOK				
UP ON KELLY				
TOTAL DEPTH				

TOUR DRILLING, RATHOLING & REAMING RECORD

FROM	TO	HOURS	WEIGHT	FORMATION

BIT AND CORE HEAD RECORD

BIT NO.	SIZE	MAKE	SERIAL	FOOTAGE	HOURS

INCLINATION AND DIRECTIONAL SURVEYS

MAKE AND TYPE	DEPTH	DEGREE AND DIRECTION

SIGNED Ed. Westerman. DRILLER

DETAILS OF MUD TESTS

TIME	WT.	VIS.	W.L.	CAKE	PH

DETAILS OF MUD ADDITIVES

MATERIAL	LBS.	MATERIAL	LBS.

REMARKS

FROM	TO	DESCRIPTION OF WORK PERFORMED
		Load out & move Camp.
		Rigging up Camp on New
		Location.

4:00 P.M. TO MIDNIGHT

WEATHER | TEMP

DETAILS OF DRILLING STRING

	STDS.	SLGS.	SIZE	LENGTH
D.P.				
D.C.				
SUBS				
KELLY LENGTH				
TOTAL ON HOOK				
UP ON KELLY				
TOTAL DEPTH				

TOUR DRILLING, RATHOLING & REAMING RECORD

FROM	TO	HOURS	WEIGHT	FORMATION

BIT AND CORE HEAD RECORD

BIT NO.	SIZE	MAKE	SERIAL	FOOTAGE	HOURS

INCLINATION AND DIRECTIONAL SURVEYS

MAKE AND TYPE	DEPTH	DEGREE AND DIRECTION

SIGNED [illegible] DRILLER

DETAILS OF MUD TESTS

TIME	WT.	VIS.	W.L.	CAKE	PH

DETAILS OF MUD ADDITIVES

MATERIAL	LBS.	MATERIAL	LBS.

REMARKS

FROM	TO	DESCRIPTION OF WORK PERFORMED
		Rig up Camp.
		Camp Serviced & Support on
		New Location.

[illegible] CDN. SUP. REP. BOILER USED THIS 24 HOURS? [illegible] [illegible] TOOLPUSH