

CDN-SUP KMG JEAN MARIE

E-07

Drilling Authority No. 394
Date Issued 29 December 1969

WELL NAME Cdn-Sup LMS Jean Marie S-07
FIELD Area:
LOCATION: Unit 3 Section 07 Grid 61-20-120-45
Latitude 61-16-20 Longitude 120-14-45
U.W.L.R. 61.27222 -- 120.77917
U.W.I. 300877/6120120-4.50

Rig Release Date: 19-1-70
Status
Information Release Date...

CHANGE OF NAME:

DATE RECEIVED	INDEX
29/12/69	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.
16/2/70	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.....



File No. _____
Drilling Authority No. 396

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. 876 Jean Marie E-07
Location: Unit E Section 07 Grid at 61° 0' N. Long. 120° 45' W
Latitude 61° 16' 20" N Longitude 120° 46' 45" W
From Established Reference Marker Dominion Land Survey S.E. Cor. Twp. 143. Rgs. 14, 16th
Universal Well Location Reference Lat. 61-27223 N. Long. 120-77917 W.
Permit No. 4182 Lease No. _____

Western Canada Petroleum Limited
(Orebank, Lacombe, Leduc)

Date of commencement of proposed program 14 January 1970

OIL, GAS, AND WATER ENCOUNTERED
(Depths)

Oil at Nil
Gas at Nil
Water at 2825-2880
Total Depth 3153 Date of last operations January 18th. 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 Palled
1. 10-3/4"	32.75#	175	170	475 sks + 2% CaCl ₂	Nil
2.					
3.					
4.					
5.					

PROPOSED ABANDONMENT PROGRAM

Plug		Geological Formation	Number of Sacks of Cement	Remarks
No.	Position			
1	3153-2400		Cement + 8% gel	
2	520-420	Surface Casing	120 sks + 2% CaCl ₂	Feel
3	Surface Plug		5 sks	Welded on 3/4" steel plate Installed name plate

The following logs have been run D.I.L.L. - BNC Sonic Gauge Caliper - Formation Density
Other operations proposed Nil Ind. - E log

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 24th Day of March, 19 70
Signed by [Signature] 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 on the 14th January 1970
by Mr. B.H.J. Thoms.

Dated 25th March, 19 70

[Signature]
Oil Conservation Engineer

CEMENTING RECORD (Plug, Squeeze, etc.)

From	To	Remarks
Jan 17 3153'	2400'	240 sacks, 8% Gel.
Jan 17 520'	420'	120 sacks, 2% CaCl ₂ Felt @ 418'.
Jan 18 Surface		Ran 5 sacks cement in top of casing, welded on plate and erected identification marker.

PERFORATING RECORD (Bullet, Jet)

Date	From	To	Remarks
None			None

SERVICING RECORD (Acidizing, Fishing, etc.)

Date	From	To	Remarks
None			None

DRILL STEM TESTS

No.	Date	Formation	From	To	V.O. Mins.	I.S.I. Mins.	F.S.I. Mins.	I.S.I. R.H.P.	F.S.I. R.H.P.	I.F. R.H.P.	F.F. R.H.P.	L.H.P.	F.H.P.	REMARKS
1	Jan 16	Hume	2825'	2890'	60	60	60	1223	1190	108	127	1445	1434	Fair blow on preflow, fair air blow on final flow, held steady throughout, recovered 30' slightly salty drilling fluid, 120' salty drilling fluid

ANALYSIS

Lnb. No.	Sample	From	To	Source	Remarks
C70-5804-3	Water	2825"	2890'	DST #1	

PRESENT STATUS OF WELL

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

Company Canadian Superior Oil Ltd.

Signed by *A. M. Rowe*

Title Geologist

Date February 16, 1970

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

POOR COPY

Drilling Authority No. 394

Project No.

File No.



DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
~~Oil and Mineral Division~~
 Oil and Mineral Division

Application for a Drilling Authority

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

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

Cdn-Sup KMG Jean Marie E-07

Name and number of well

Location: Unit E Section 07 Grid Lat 61°25' Long 120°45'

Latitude 61°16'20" Longitude 120°46'45"

From Established Reference Marker Dominion Land Survey N.S. Corner Twp 143, Rge 14, W6th

Universal Well Location Reference Lat. 61.27223° N., Long. 120.77917° W.

Elevation: Ground 865' K.B. Middle Devonian Carbonates feet above sea level.

Well is expected to produce from 2900 formation at a depth of about 2900 feet. Expected total final depth 3100

Area assigned to well

(See Oil Conservation Engineer's List only)

Permit No. 4182 61,596

Permittee, licensee, or lessee Western Canada Petroleum Ltd. Acreage

Exploratory Licence No. 1228

Surface owned by Crown or Crown

Petroleum and natural-gas rights owned by (Indicate submit name and address of owner and occupant)

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

Casing Size O.D. (Inches)	Weight (Lb./Ft.)	Grade	New or Used	Estimated Depth	Section of Contract
8-5/8"	24.8	J	New	450	Full Length
1.					
2.					
3.					
4.					
5.					

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

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 Professional 8100

At registered office 705 5th Ave S.W. Calgary 1, Alta

Address Red Deer, Alberta.

Address

It is understood that if changes become necessary, notice of the change of ~~area~~ will be submitted. 69

Dated at this 69

Signed by Manager Production Company 1248

Title Operator's Licence No.

(For Resource Management Division use only)

APPROVED

1. This application has been submitted to this office, on Tuesday, or 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 29th December 69

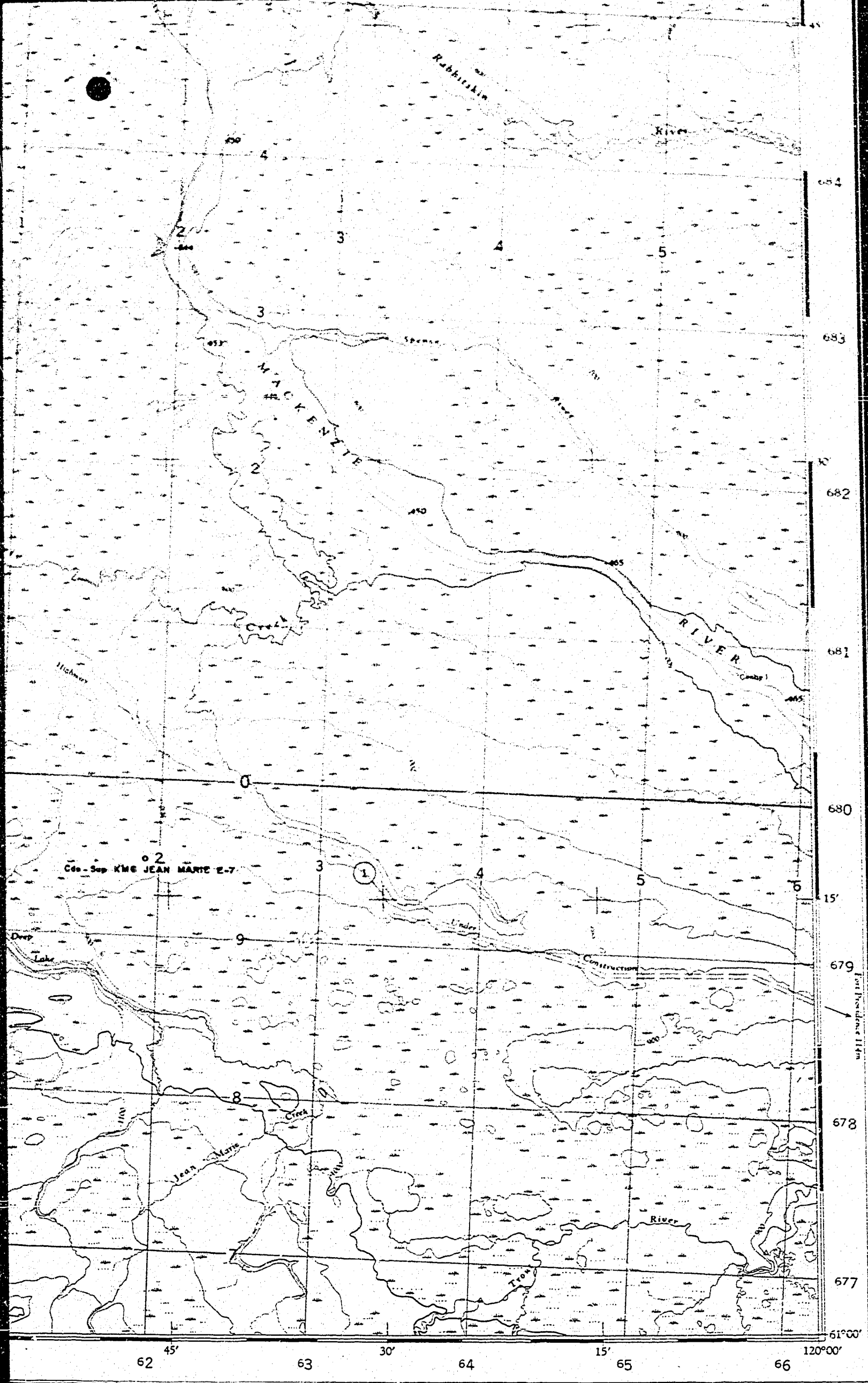
Dated 19

Oil Conservation Engineer

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

LAND 52-90-1 (3-67)

UNIQUE WELL IDENTIFIER - 3005076120120450



CDN-SUP KMG JEAN MARIE E-07

WELL HISTORY REPORT

25-11-4-15

25-11-4-15
Drilling Authority #394

WELL HISTORY REPORT

ON

CDN - SUP K. M. G. JEAN MARIE E-07

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



Compiled by:-

M.G. Smailes

Submitted by:-

A.M. Rowe

Date:- Feb. 18, 1970

CDN - SUP K. M. G. JEAN MARIE E - 07

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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 E-07.

(b) Permittee: Western Decalta Petroleum Ltd.

(c) Operator: Canadian Superior Oil Ltd.
703 - 6th Avenue S.W.
Calgary, Alberta.

(d) Location: Grid:
E-07-61-20-120-45

Latitude: 61° 16' 20"
Longitude: 120° 46' 45"

Universal Well Location Reference:
Latitude: 61.27223° N.
Longitude: 120.77917° W.

Unique Well Identifier:
300E076120120450

(e) Co-ordinates: Nil

(f) Permit Number: #4182

(g) Drilling Contractor: Beaver Drilling Ltd.
Rig #3, Rotary Type.

(h) Drilling Authority: #394, Issued December 29, 1969

(i) Classification: Wildcat

(j) Elevations: Gnd. 865' K.B. 879'

(k) Date Spudded: December 31, 1969

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SECTION I Continued: -

(l) Drilling Completed: January 13, 1970.
(m) Total Depth: 3153', Precambrian
(n) Status: Dry and Abandoned
(o) Rig Release Date: January 18, 1970
(p) Hole Size: 15" to 470'
8 3/4" to 3153' (T.D.)
(q) Casing: Ran 10 3/4" casing to 470' K.B.
Set with 450 sacks cement + 2 1/2% CaCl_2

SECTION II.GEOLOGICAL SUMMARY(a) Formation Tops:-

	<u>Sample Tops</u>	<u>"E"-Log tops</u>	<u>Sub-Sea</u>
Spence River	2488'	2482'	-1603'
Hume	2673'	2671'	-1792'
Bear Rock	2974'	2964'	-2085'
Precambrian	3121'	3124'	-2245'

(b) Cored Intervals:- Nil(c) Core Description:- Nil(d) Sample Description:-

0' - 90'	<u>Sand</u> - fine grained, sub-angular, unconsolidated.
90' - 230'	<u>Sandstone</u> -fine grained to medium grained, calcareous cement; limestone stringers; fossil plant and shell remains.
230' - 360'	<u>Limestone</u> -light buff, finely crystalline, fossiliferous in part; sandstone (50%) as above.
360' - 470'	<u>Limestone</u> -light buff as above; sandstone (40%) occasional fossil crinoid segments.
470' - 510'	<u>Limestone</u> -light buff finely crystalline, fossiliferous in part; silica fragments angular; occasional sand grains; abundant cement contamination.
510' - 540'	<u>Limestone</u> -buff, finely-crystalline as above; sand medium-grained to coarsegrained, multi-coloured, sub-angular; sandstone fine-grained slightly calcareous; cement contamination (15%).
540' - 570'	<u>Limestone</u> -(50%) light buff finely-crystalline; sand and grit (30%) multi-coloured, angular; sandstone fine-grained calcareous; trace chert.
570' - 600'	<u>Sand</u> -multi-coloured, gritty, medium to coarse-grained, angular to sub-rounded; limestone light buff (20%) fossiliferous as above.

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Sample Description Continued:-

- 600' - 660' Sand-coarse-grained angular, gritty texture as above; multi-coloured silica and hard-rock fragments; chert; limestone (15%) light buff.
- 660' - 690' Sand-multi-coloured as above; sandstone fine to medium-grained calcareous in part; limestone light-buff; shale grey, micaceous.
- 690' - 780' Shale-grey and grey-green, micro-micaceous, slightly calcareous, silty texture in part, interbedded sandstone, fine to medium grained, poorly sorted; sand and silica fragments (cavings) as above.
- 780' - 920' Shale-grey and grey-green as above, somewhat calcareous in part; some interbedded sandstone grey, fine-grained, tite.
- 920' - 1430' Shale-grey-green to light brown, micro-micaceous, silty in part, slightly calcareous; minor interbedded sandstone, very fine-grained tite.
- 1430' - 2470' Shale grey-green, micro-micaceous, slightly calcareous in part.
- 2470' - 2490' Shale-grey-green as above; some shale dark brown finely micaceous, non-calcareous.
- 2490' - 2580' Shale-brown, non-calcareous, micro-micaceous in part, light brown streak; pyrite.
- 2580' - 2670' Shale-brown and dark brown as above; abundant pyrite.
- 2670' - 2700' Limestone-light buff, fine to medium-crystalline fossiliferous; gypsum; fossil crinoid remains; pyrite.
- 2700' - 2750' Limestone-buff to light brown, finely-crystalline, some gypsum, mainly tite appearance; trace chert brown angular.
- 2750' - 2810' Limestone light brown as above, fine to medium crystalline, fossiliferous in part; trace only weak inter-crystalline porosity, no shows.

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Sample Description Continued:-

- 2810' - 2840' Limestone-brown, finely-crystalline as above, trace gypsum, mainly tite; abundant shale (cavings).
- 2840' - 2870' Dolomite-brown and dark brown, fine to medium crystalline, trace inter-crystalline porosity, no staining.
- 2870' - 2890' Dolomite-light brown and brown, fine to medium crystalline as above, 10 % dark brown as above; some (5%) inter-crystalline porosity, no staining or fluorescence.
- 2890' - 2970' Dolomite-brown as above, finely crystalline, slightly gypsiferous, finely disseminated pyrite, mainly dense.
- 2970' - 3020' Anhydrite-off-white, translucent, crypto-crystalline, massive; dolomite (10%) as above.
- 3020' - 3050' Anhydrite-crypto-crystalline as above; dolomite (30%) buff-grey micro-crystalline dense.
- 3050' - 3080' Dolomite-(50%) micro-crystalline anhydritic, dense; anhydrite (50%) massive as above.
- 3080' - 3110' Dolomite-buff, very finely-crystalline dense; some interbedded sandstone poorly sorted, tite; shale brown-red and grey-green.
- 3110' - 3120' Sandstone-light grey-green, poorly sorted, sub-angular, well cemented in part, mainly tite; abundant shale (cavings).
- 3120' - 3140' Quartzite-grey-white and light green, fine to medium grained angular poorly sorted, vitreous texture in part, hard.
- 3140' - 3153' (T.D.) Quartzite- white and off-white as above, very hard, vitreous; shale (cavings).
-
-

SECTION III.ENGINEERING SUMMARY

(a) Drillstem Tests:

D.S.T. #1 (Straddle) Hume Dolomite, 2825'-2890'
 Dry 3 1/2" drillpipe; 3/4" T.H.C.; 1/2" B.H.T.
 Preflow 3 mins, open 60 mins; fair initial
 puff, moderate to weak air blow, no G.T.S.;
 Recovered 150' water-cut mud, (salinity 60,700
 p.p.m. - field reading)

Recorder (#902) @ 2836' (-1957') I.H.P.
 1445, I.S.I.P. (60 mins.) 1223,
 F.P. 108-127, F.S.I.P. (60 mins.) 1190
 F.H.P. 1434

B.H. Temp. 118° F.

(b) Casing Record:

Ran 12 joints, 10 3/4", H-40. 32.75#/ft. Range
 2 & 3 New Mannesmann casing, landed @ 470' K.B.
 Cemented with 450 sacks cement + 2 1/2% CaCl₂.
 Bumped plug with 1000 p.s.i. @ 6:30 A.M.
 (Jan. 2nd. 1970). Good cement returns at
 surface.

(c) Bit Record:

#1A, 15"	OSC-3	470'	470'	in 22 1/4 hrs.	3-1-1 condition
#1	8 3/4" X3-A	1240'	734'	in 26 hrs.	5-1-1 "
#2	8 3/4" X3-A	2523'	1319'	in 46 hrs.	2-1-1 "
#3	8 3/4" ODV-J	2812'	289'	in 26 1/2 hrs.	5-5-1 "
#4	8 3/4" WD7-J	3023'	211'	in 31 hrs.	6-7-1 "
#5	8 3/4" ODV-J	3144'	121'	in 17 1/2 hrs.	8-3-2 "
#6	8 3/4" WD7-J	3153'	9'	in 2 1/4 hrs.	4-1-2 "
			<u>3153'</u>	<u>171 1/2 hrs.</u>	

(d) Mud Report:

Gel-Chemical Type
 Gel 63,400#, Caustic 900#, Bicarb 200#, Q-Boxin 2200#

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SECTION III. Continued:-(c) Deviation Record:-

<u>Depth</u>	<u>Drift</u>	<u>Depth</u>	<u>Drift</u>
71'	1/2°	1989'	1°
130	1/2	2146	5
189	3/4	2241	5 1/4
299	1	2272	4 3/4
308	1/2	2335	5
368	1/2	2398	4 1/2
470	1	2461	4 1/2
765	1 1/2	2523	3 1/2
1047	i	2595	3 3/4
1204	1/8	2658	1
1508	1	2812	3
1675	1 1/4	3023	2 1/2
1826	1	3144	3

- (f) Abandonment Plugs:-
- #1 3153' - 2400' with 240 sacks cement + 8% gel. in place 2 P.M. Jan. 17th, 1970
- #2 520 - 420' with 120 sacks cement + 2 1/2% CaCl₂; in place 3.57 P.M. Jan. 17th, 1970. Located top of plug @ 418' K.B.
- At Surface:- 5 sacks cement.
Cut off casing 3' below ground level, welded 1/2" steel plate on top; fixed name plate 4' above ground level.

(g) Lost Circulation:- None

(h) Report of blowouts:- None

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SECTION IV.

Jan. 14/70 Ran Schlumberger Induction Electrical Log

Run #1 470 - 3132'

(a) Logs:

" Ran Schlumberger Dual Induction Laterolog

Run #1 3132' - 470'

" Ran Schlumberger B.H.C. Sonic Gamma

Run #1 3131' - 470'

Jan. 15/70 Ran Schlumberger F.D.C. Gamma-Caliper

Run #1 3135' - 470'

SECTION V.ANALYSES:

- | | |
|---------------------|--|
| (a) Core Analysis: | Nil |
| (b) Water Analysis: | Lab, Report No. C70-5804-1; C70-5804-2; C70-5804-3 |
| (c) Gas Analysis: | Nil |
| (d) Oil Analysis: | Nil |
-
-

CHEMICAL & GEOLOGICAL LABORATORIES LTD.

WATER ANALYSIS

Lab No. C70-5804-3

Received: Feb. 19, 1970 Reported: Feb. 25, 1970

Well: Location: Cdn.-Sup. K.M.G. Jean Marie E-07

Operator: CANADIAN SUPERIOR OIL LTD.

Field or Area:

Elev.: K.B. 879' Grd. 865' Zone/Formation:

Method of Production:

Sampled from: Top of Tool

Sample Interval:

Date:

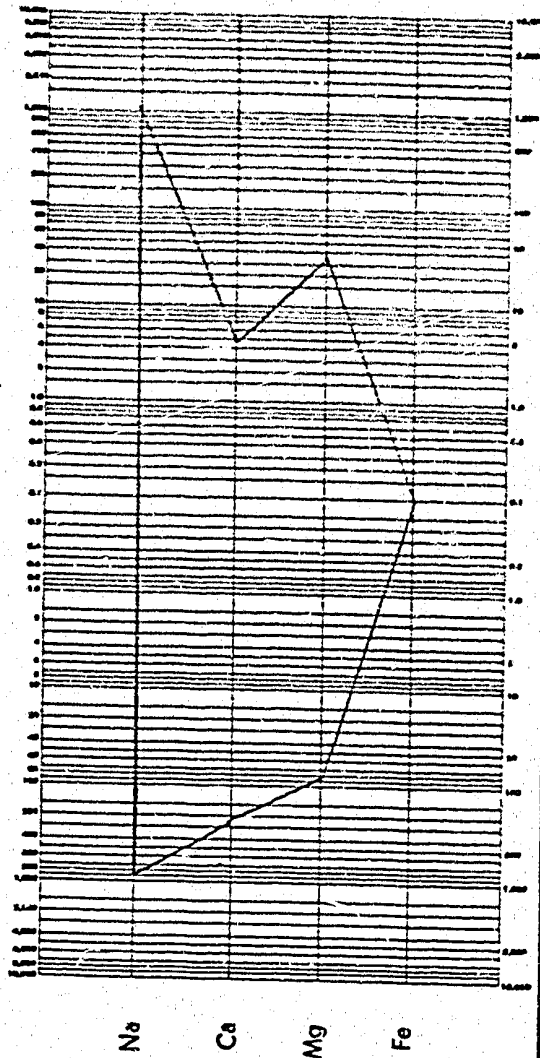
OTHER PERTINENT DATA

(Signed)

	Na	K	Ca	Mg		SO ₄	Cl	CO ₃	HCO ₃	
Mg./L	19,800		4890	1060		1700	40,900		298	
Meq./L	862.49		244.01	87.13		35.36	1153.38		4.89	
Meq. %	36.13		10.22	3.65		1.48	48.31		0.21	

Total Solids Mg/L: By Evaporation 72,800 Fe Present Specific Gravity 1.050 @ 60°F Observed pH 8.1 @ 73 °F
 Calculated 68,648 After Ignition 61,700 H₂S Nil Refractive Index 1.3456 @ 25°C Resistivity 0.110 ohm meters @ 68 °F

Pattern Unit Meq./L



Remarks and Conclusions

The sample as received consisted of a gray mud.
 The filtrate was clear and yellow in color.
 Organic matter was present in the evaporated solids.

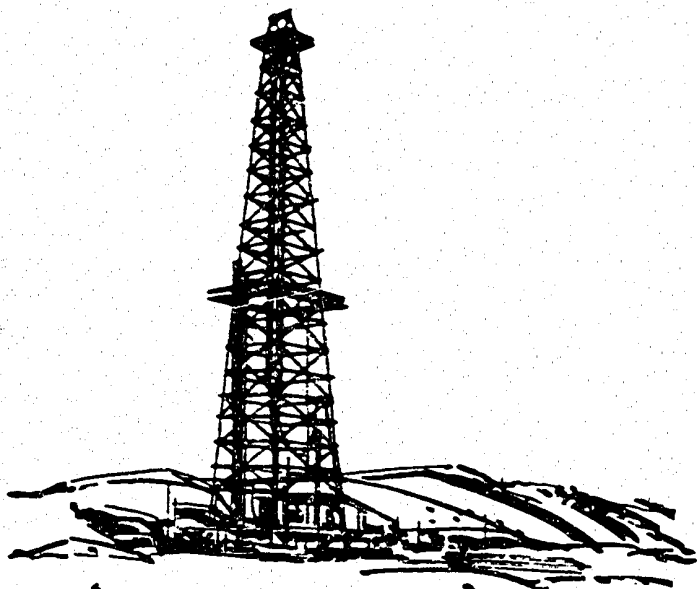
LABORATORY NUMBER	SAMPLED FROM	RESISTIVITY (Ohm-meters at 68°F.)
C70-5804-1	150' Above Tool	0.23
C70-5804-2	100' Above Tool	0.15



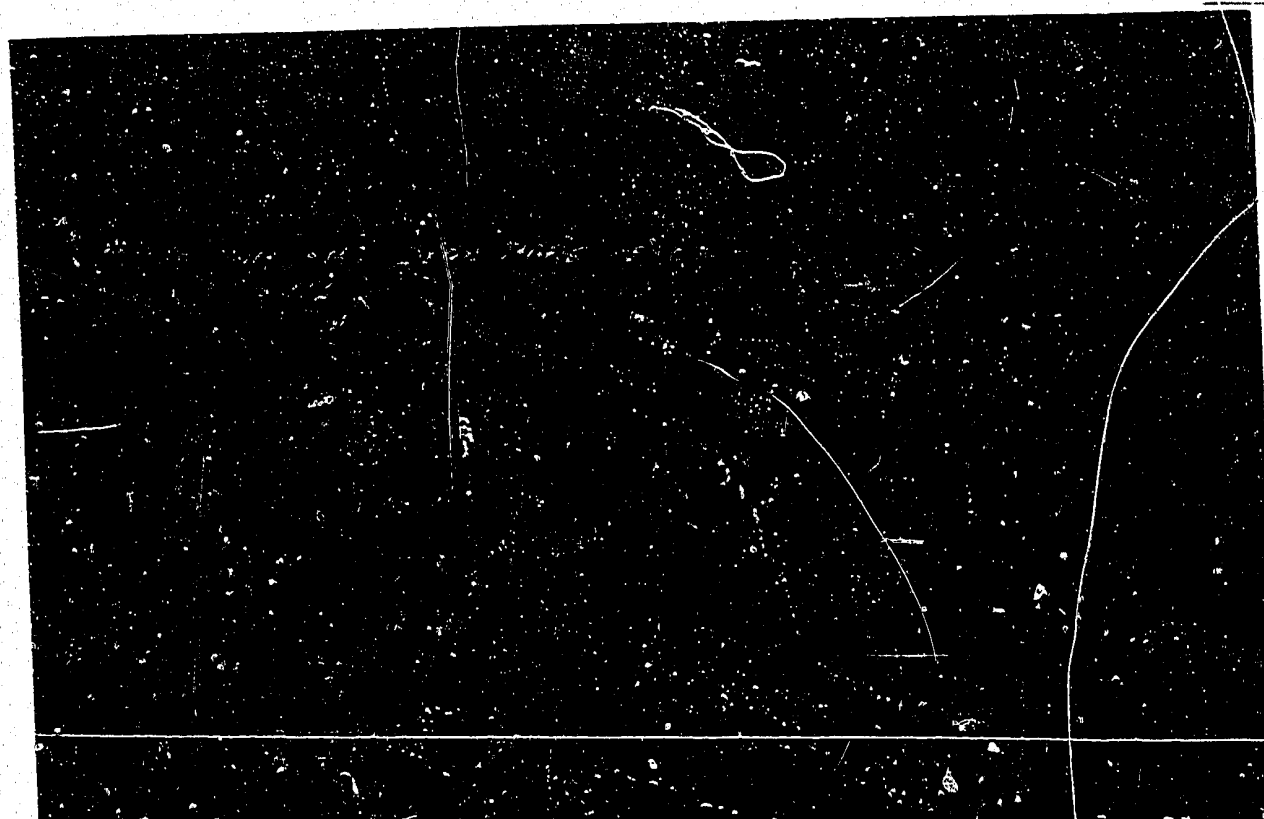
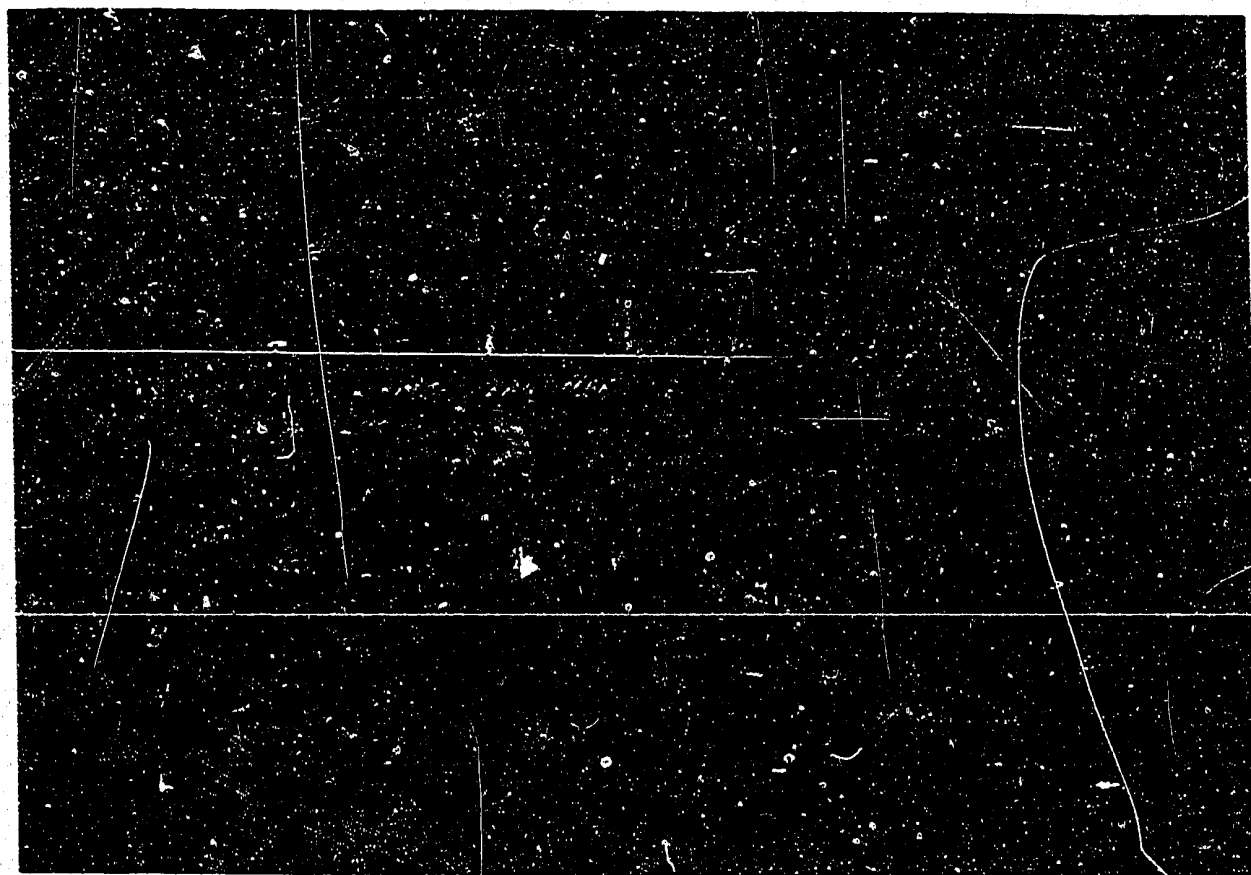
LYNES

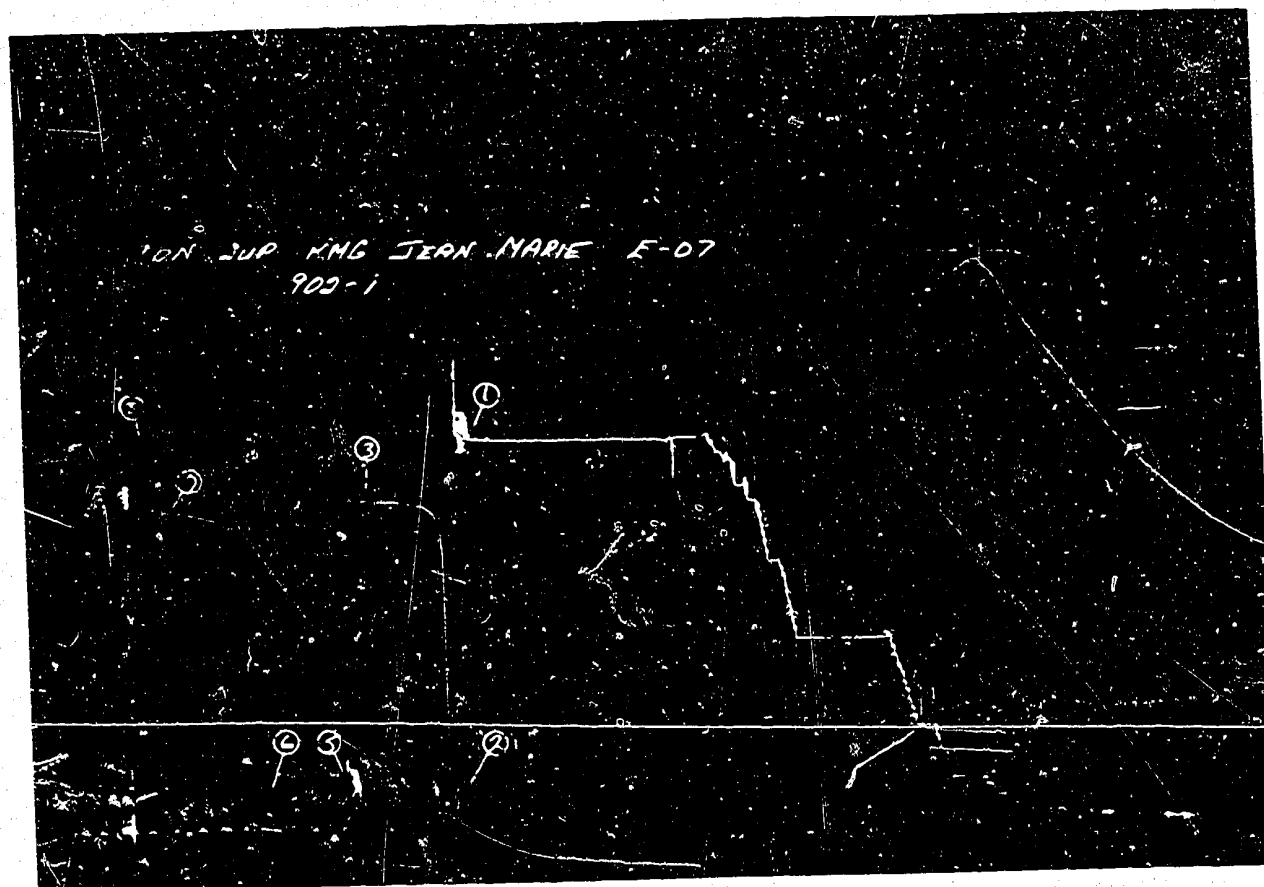
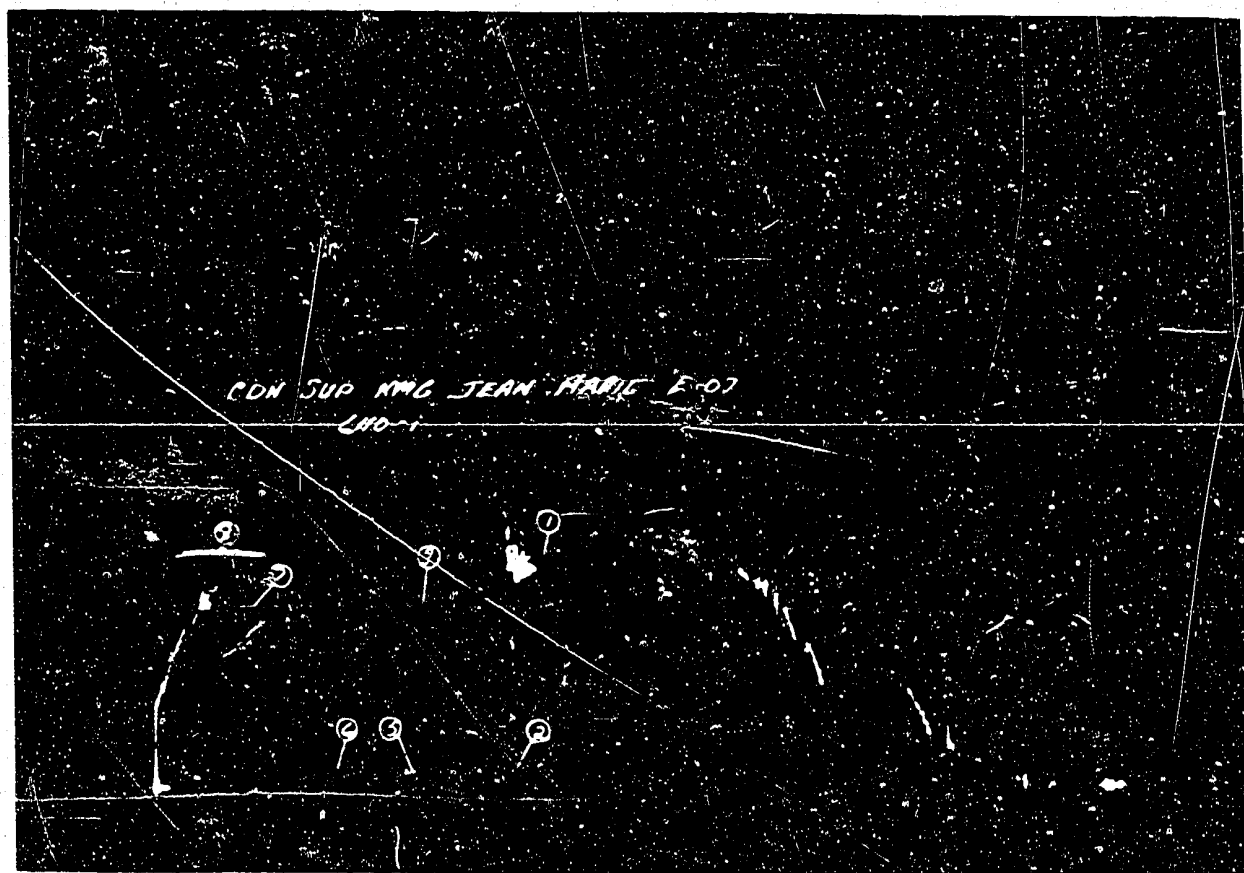
BRIGHT NAME IN THE OIL PATCH

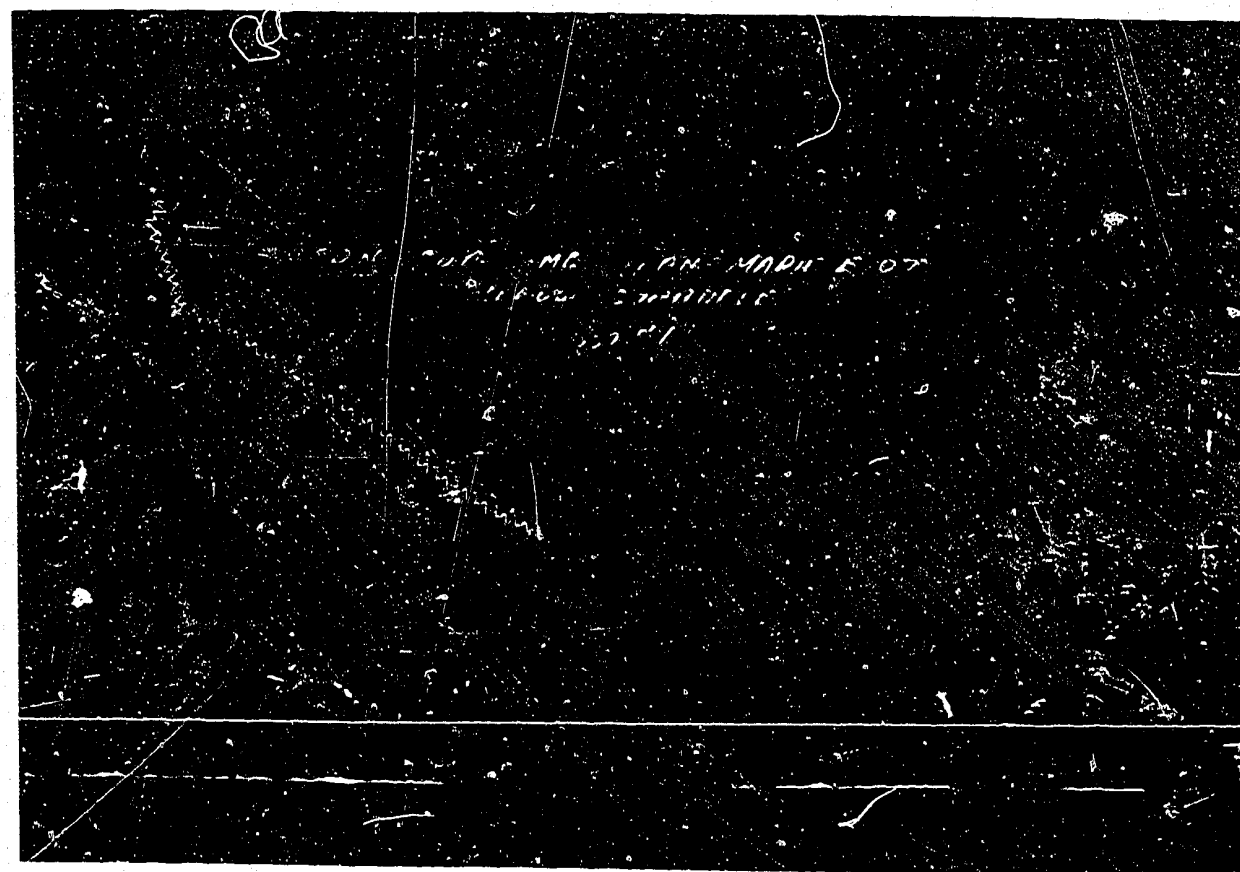
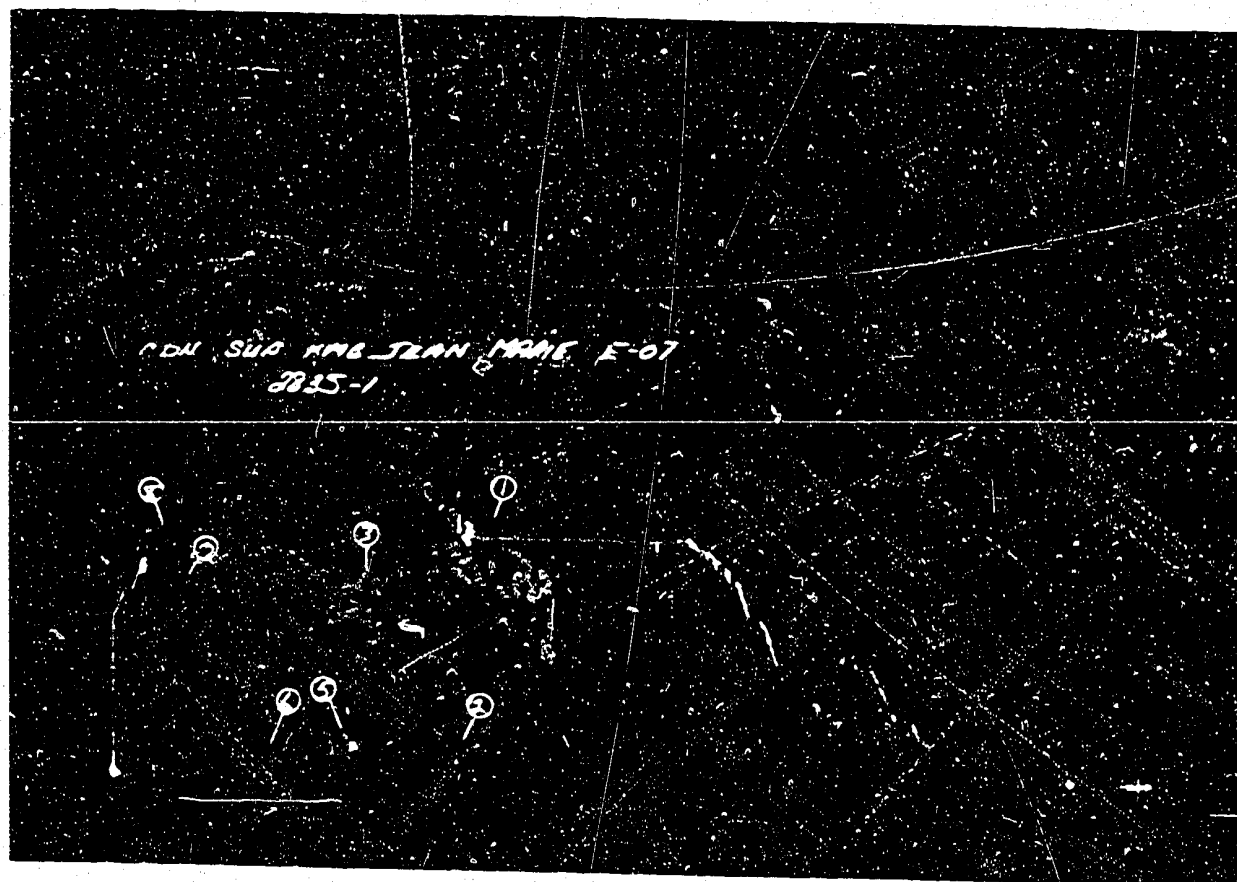
Inflatable and Conventional Packer Tools

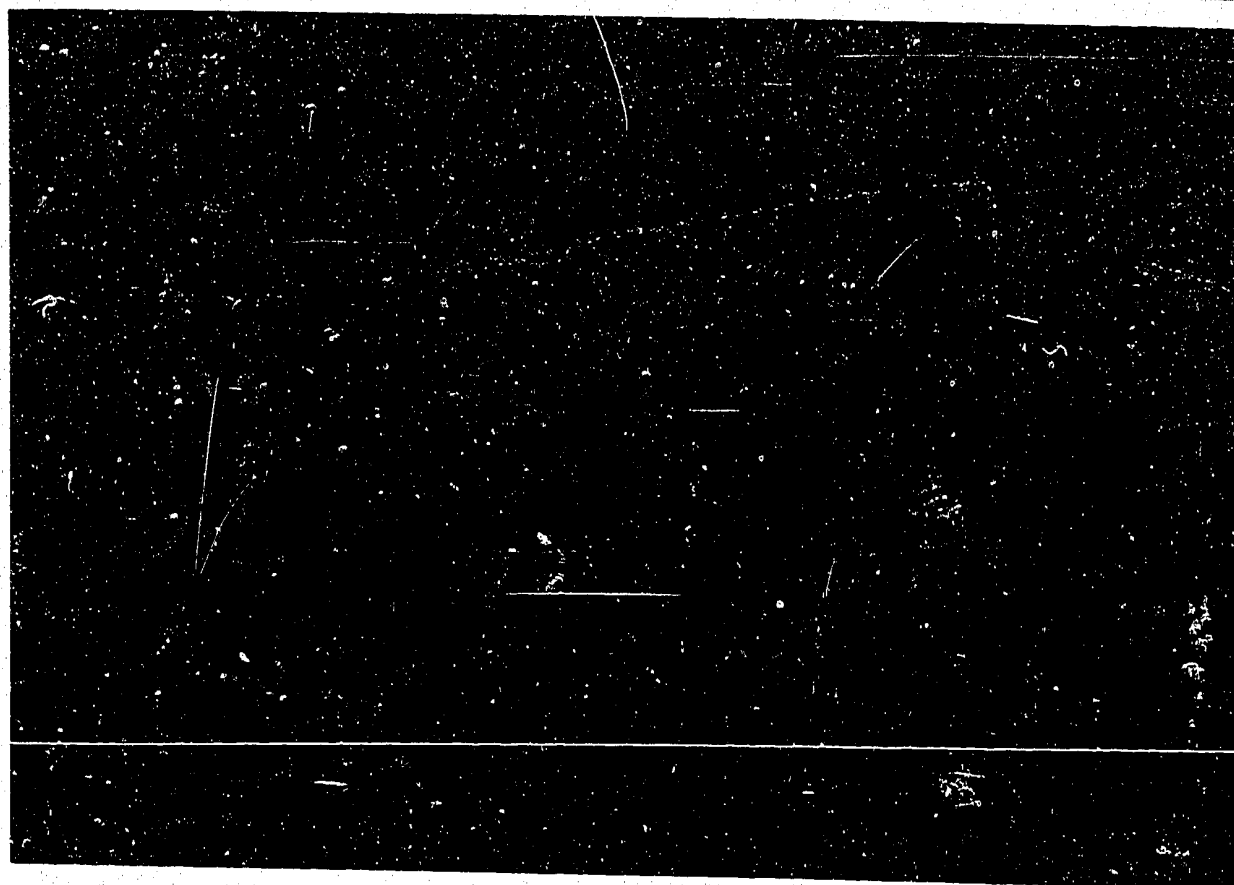
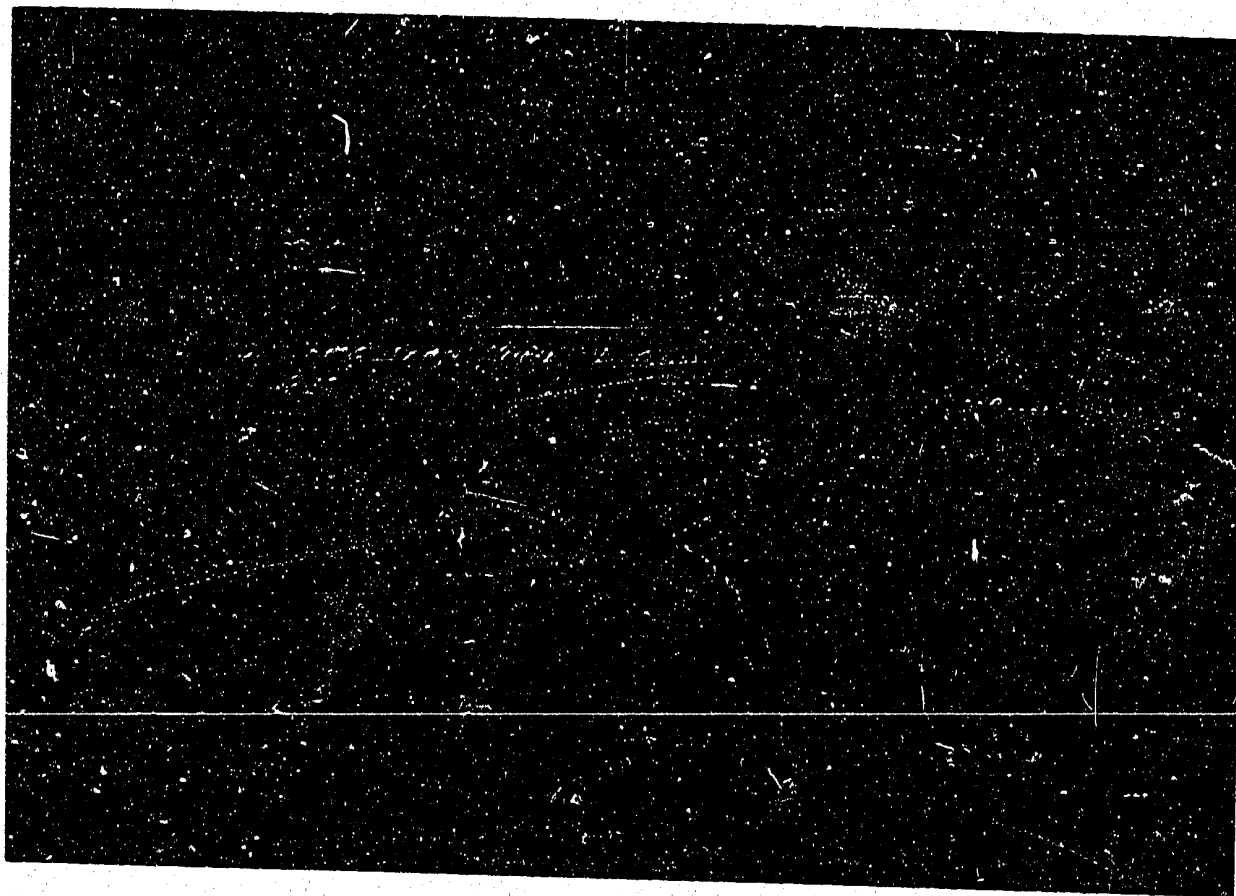


DRILL STEM TEST
TECHNICAL SERVICE REPORT









NOMENCLATURE (Definition of Symbols)

Q	= average production 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, centipoise
Z	= compressibility factor
T_r	= reservoir temperature, ° Rankine
m	= slope of final SIP buildup plot, psig/cycle (psig ² /cycle for gas)
b	= approximate radius of investigation, feet
r_w	= wellbore radius, feet
t_L	= total flowing time, minutes
P_o	= Extrapolated maximum reservoir pressure, psig
P_r	= 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

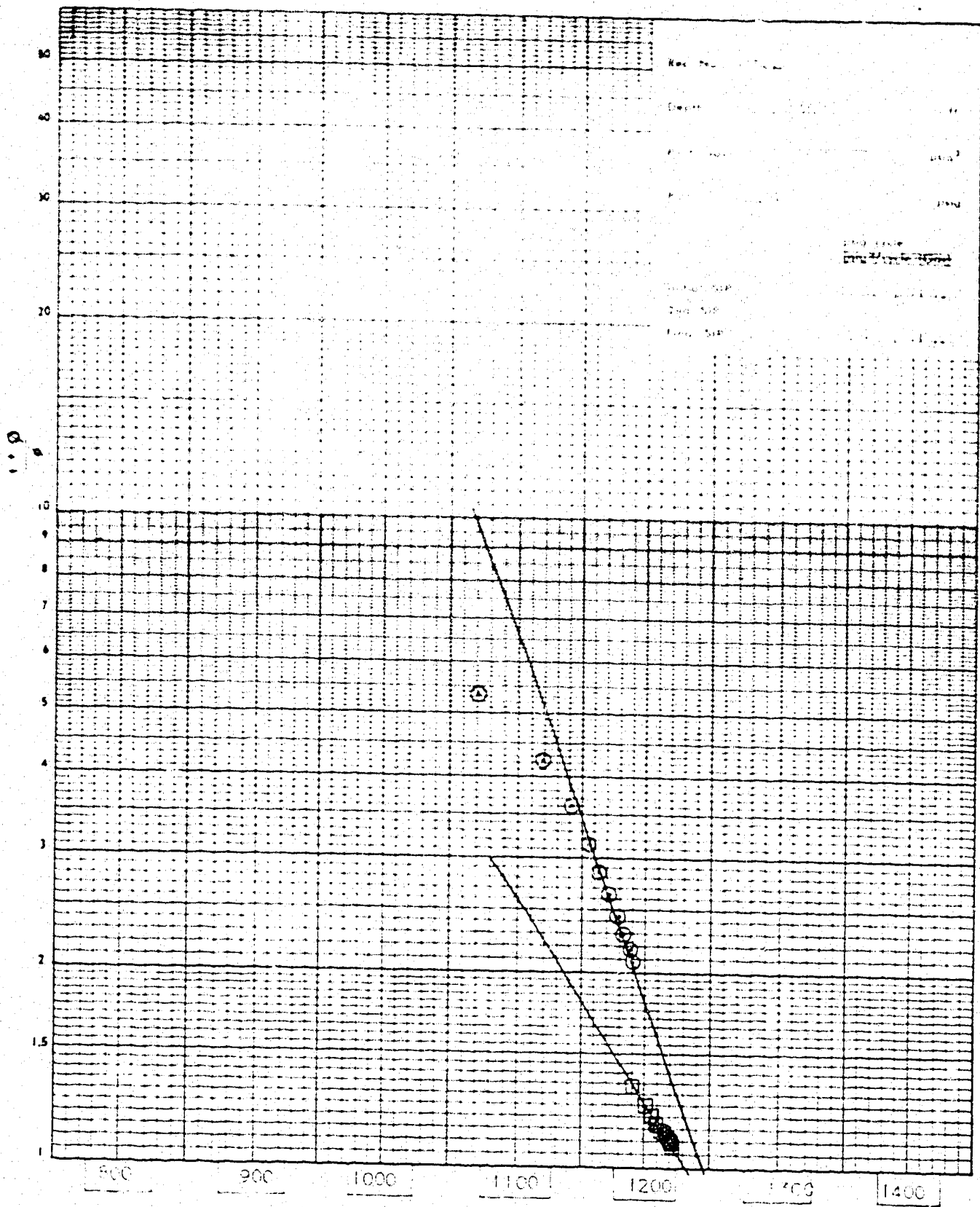
In making any interpretation, our employees will give Customer the benefit of their best judgment as to the correct interpretation. Nevertheless, since all interpretations are opinions based on inferences from electrical, mechanical or other measurements, we cannot, and do not, guarantee the accuracy 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		2036 ft. Subsea depth		Fr. Trebor No.		0831 Hour Recorder No.		902	
$P_s = 5$		Mins. Initial Shut-In Pressure		Second Flow Pressure		$P_s = 65$		Mins. Final Shut-In Pressure	
Time, Min.	$P_s + \frac{P}{Q}$	PSIG	PSIG ² -10 ⁶ (Gas)	Time Diff. 000"	PSIG	Time, Min.	$P_s + \frac{P}{Q}$	PSIG	PSIG ² -10 ⁶ (Gas)
ϕ	ϕ					ϕ	ϕ		
0	-----	125				0	-----	127	
5	2.000	1063				5	14.000	422	
10	1.500	1164				10	7.500	896	
15	1.333	1191				15	5.333	1071	
20	1.250	1201				20	4.250	1119	
25	1.200	1206				25	3.600	1142	
30	1.167	1210				30	3.167	1156	
35	1.143	1213				35	2.857	1164	
40	1.125	1217				40	2.525	1172	
45	1.111	1219				45	2.444	1179	
50	1.100	1220				50	2.300	1183	
55	1.091	1221				55	2.182	1188	
60	1.083	1223				60	2.083	1190	

[illegible]

PRESSURE DATA



PSIG (OIL OR WATER)

DST # 1

PRESSURE EXTRAPOLATION PLOT

LYNES UNITED SERVICES LTD.

TEST DATA				GENERAL INFORMATION			
Test No. <u>1</u>		Lynes Test <u>1</u>		Company <u>Canadian Superior Oil Ltd.</u>			
Formation <u>Humbly</u>		ID <u>1155</u>		Address <u>705 - Sixth Avenue S.W.</u>			
Interval Tested <u>2874</u>		H. No. <u>2890</u>		City <u>Calgary, Alberta</u>			
Foot of Test Pay Tested <u>15</u>							
Type of Test <u>Conventional Straddle</u>				Well Name <u>Can Sup. KMG Jean Marie</u>			
Cushion Amount				Well Number <u>2835</u>			
Started in Hole at <u>2:10</u> Hrs		Tool Open at <u>9:10</u>		K.S. Elevation		Sub Sea Elevation	
Pre-Flow <u>5</u> Mins		Initial Shut-in <u>10</u>		Area <u>St. Stephen</u>		Province <u>N.A.T.</u>	
2nd Flow <u>5</u> Mins		Second Shut-in		Company Rep <u>London Berthiaume</u>			
Final Flow <u>10</u> Mins		Final Shut-in		Tester <u>Tom Ammages</u>			
Remarks				Contractor <u>Braver</u> Rig No. <u>1</u>			
				Ticket No. <u>2831</u> Date <u>January 16, 1970</u>			
				Service Reports To <u>above address</u>			
Blow: <u>Fair blow on preflow. Fair air blow on final flow. Held steady throughout.</u>							
GAS BLOW MEASUREMENTS				MUD AND HOLE DATA			
Measured with				Mud Type <u>Gel Chem</u>			
				Weight <u>9.8</u> Viscosity <u>110</u> Water Loss <u>10.5</u>			
				Filter Cake <u>2/32"</u> Bottom Hole Temperature <u>118°</u>			
				Drill Pipe Size <u>4 1/2" XH</u> Weight <u>16.50</u>			
				Drill Collars <u>4 1/2"</u> ID <u>H90</u> Feet Run <u>297</u>			
				Main Hole or Casing Size <u>8 3/4"</u>			
				Bathole or Liner Size <u>No. of Feet</u>			
				Bottom Hole Choke Size <u>1/2"</u>			
				Surface Choke Size			
				Packer Rubber Size <u>7 5/4" Bobtail</u>			
				REMARKS <u>Shut-in pressures suggest below average permeability within the interval tested.</u>			
RECOVERY							
TOTAL FLUID RECOVERED <u>150</u> Ft. Consisting of:							
<u>30</u> Ft. of <u>Slightly salty drilling fluid.</u>							
<u>120</u> Ft. of <u>Salty drilling fluid.</u>							
Test was/was not Reverse Circulated							
Oil Recovery A.P.I. <u>Water Specific Gravity</u>							
Salinity <u>60,700 PPM</u>							
PRESSURE READINGS							
Inside <u>X</u> Outside		Inside <u>Outside X</u>		Inside <u>Outside X</u>		Inside <u>Outside</u>	
Recorder No. <u>6110</u>		Recorder No. <u>902</u>		Recorder No. <u>2835</u>		Recorder No.	
Capacity <u>5500</u>		Capacity <u>3400</u>		Capacity <u>5400</u>		Capacity	
Depth <u>2808</u>		Depth <u>2836</u>		Depth <u>2845</u>		Depth	
NUMBER KEY:							
1 - INITIAL HYDROSTATIC		<u>1425</u>		<u>1445</u>		<u>1448</u>	
2 - PRE-FLOW		<u>65</u>		<u>125</u>		<u>114</u>	
3 - INITIAL SHUT-IN		<u>1197</u>		<u>1223</u>		<u>1195</u>	
4a - 2nd INITIAL FLOW							
4b - 2nd FINAL FLOW							
4c - 2nd SHUT-IN							
5 - 3rd INITIAL FLOW		<u>59</u>		<u>108</u>		<u>117</u>	
6 - FINAL FLOW		<u>93</u>		<u>127</u>		<u>123</u>	
7 - FINAL SHUT-IN		<u>1158</u>		<u>1190</u>		<u>1146</u>	
8 - FINAL HYDROSTATIC		<u>1409</u>		<u>1434</u>		<u>1401</u>	

Canadian Superior Oil Ltd.

Can Sup KMG Jean Marie E-07

Test No.

January 15, 1970

Date of Test

LYNES

TEST No. 1 INTERVAL TESTED 20-21 TOTAL DEPTH 3155

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 263.04

BETWEEN PACKER SEALS 64-43

TOOL ABOVE PACKER SEAL 37.54

SUBS. TIGHT HOLE, EQU., ETC. _____

DRILL COLLARS 297.26

DRILL PIPE 2755 43

TOTAL STRING

TOTAL DEPTH _____

TOP SINGLE-ABOVE TABLE _____

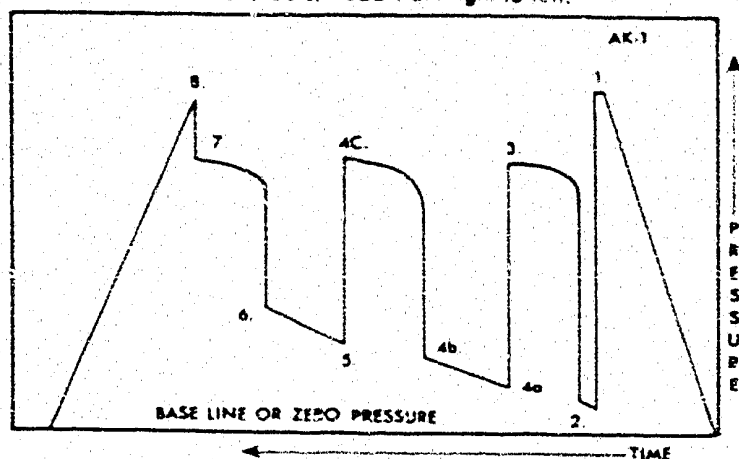
REMARKS: Total test tool 87.43

STRADDLE TESTER	TOTAL DEPTH	BOTTOM HOLE TESTER	TOTAL DEPTH	TOTAL LENGTH OF TESTING EQUIPMENT IN THE HOLE
3153				

TOTAL LENGTH OF TESTING EQUIPMENT IN THE HOLE.

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

AK-1 recorders. Read from right to left.

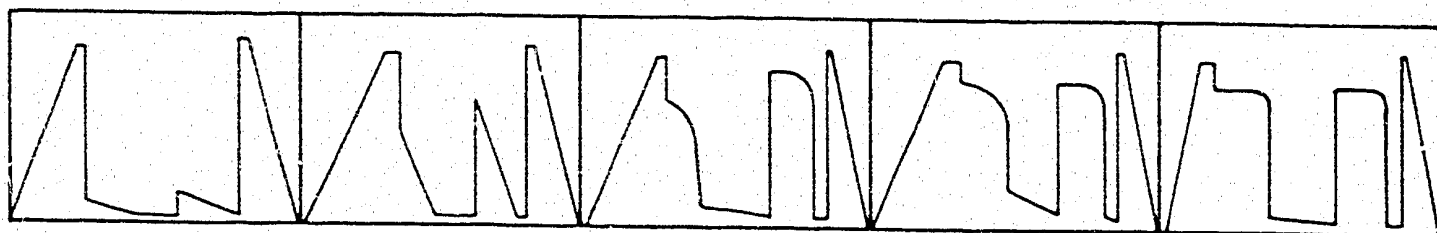


1. INITIAL HYDROSTATIC MUD PRESSURE
2. PRE FLOW
3. INITIAL SHUT-IN
- 4a. 2nd INITIAL FLOW
- 4b. 2nd FINAL FLOW
- 4c. 2nd SHUT-IN
5. 3rd INITIAL FLOW
6. FINAL FLOW
7. FINAL SHUT-IN
8. FINAL HYDROSTATIC MUD PRESSURE

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

K-3 recorders. Read from left to right.

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



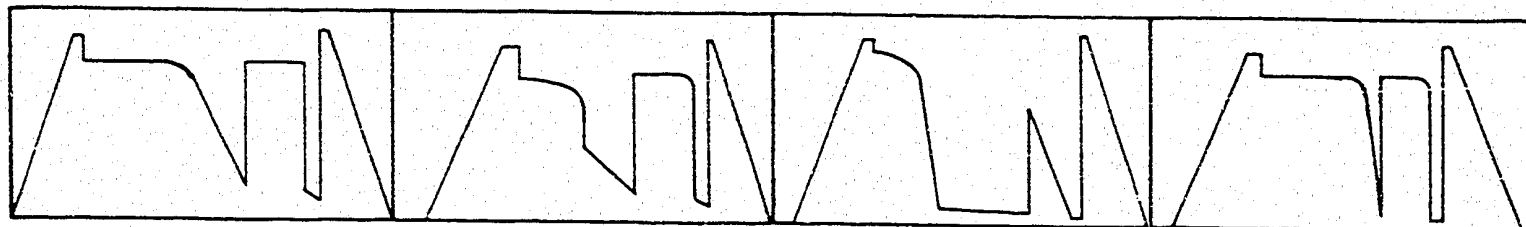
Very low permeability. Usually only mud recovered from interval tested. Virtually no permeability.

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.

CDN-SUP KMG JEAN MARIE

E-07

CDN-SUP KMG JEAN MARIE E-07

D.A. 394

- Tow Reports

BEAVER DRILLING LTD. DAILY DRILLING LOG

DIRECTIONS TO WELL

MAILING POINT

SHIPPING POINT

MILES MOVED

DATE JAN 16 1962

RIG NO. 3 DATE JAN 11 1962

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From	To	Feetage	Hook Load	Stands	Singles	LENGTH	Drill Collars	No.	O.D.	LENGTH	STRING TOTALS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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REMARKS	TIME
	START STOP INTVL.
WAIT ON RIG	12:00 12:15 1/4
PICK UP & MAKE UP O.S.T. #1	12:15 2:45 2 1/2
TAKE FLARE LINE APART & STEADY OUT 2' W/ 4' 45 2	
RUN IN W/O.S.T. #1	4:15 8:00 3 3/4
P. Schaffer	
HEAD UP TO TEST	8:15 9:45 1 1/2
TESTING W/ LYNES UNITED	9:15 12:15 3
TEAR OUT HEAD & PULL POKER	12:15 12:30 1/4
HOIST TO TOOL WASH & LOAD CUT	12:30 3:30 3
START CUT OF HOLE W/	3:30 4:15 1/2
REST OF PIPE & COLLARS	
E. Cooper	
FINISH OUT OF HOLE W/O PIPE	4:00 4:30 1/2
RUN IN W/O COLLARS & LAY DOWN	4:30 5:45 1 1/2
RUN IN 12" PIPE FOR PLUG #1	5:45 7:30 1 3/4
PICK UP DO PIPE TO REPLACE	7:30
12" COLLARS	8:00
CIRC TO RUN PLUG #1	8:00 9:00 1
CIRC WHILE REPAIRING CEMENT	9:00 12:00 3
E. Cooper	

Tour — Midnight - 8 a.m.	
Specify actual hours worked	Hrs.
Driller P. Schaffer	8
Derrick W. East	8
Motor J. Golden	8
Floor J. Brazel	8
Floor C. Lewis	8
Injuries:	
Fires:	
Tour — 8 a.m. to 4 p.m.	
Specify actual hours worked	Hrs.
Driller E. Cooper	8
Derrick W. MacKinnon	8
Motor R. O'Donoghue	8
Floor P. Abraham	8
Floor J. Olsen	8
Mechanic:	
Injuries:	
Fires:	
Tour — 4 p.m. to Midnight	
Specify actual hours worked	Hrs.
Driller E. Weetman	8
Derrick C. Lewis	8
Motor M. Regnier	8
Floor O. Klipper	8
Floor O. Regnier	8
Injuries:	
Fires: 3 NEL	

B.O.P.				Casing Report				Equipment Changes				Transfer																			
Hydril	Tested	Elapsed Time	Pressure	Packing & Seal Inspected Date	Crown-o-matic Chk'd.	Fuel on Hand 12.01 a.m.	gals.	RAN	JTS	CSG	EQUIPMENT CHANGES	TRANSFER =																			
Pipe Rams.					Rig Savers Chk'd.	Fuel Rec'd Today (add)	gals.	TO	KB. USED	SAX	CEM																				
Blind Rams.					Kelly Cock Chk'd.	Fuel on Hand 11.59 p.m. (deduct)	gals.	PLUS	PLUG DOWN	A.M. P.M.																					
TOTCO RING ON BIT =				Boiler Operated: 24 Hrs.	Fire Equip. Chk'd.	FUEL USED	gals.	CEMENT RETURNS - (YES/NO)				GENERAL: —																			
<table border="1"> <thead> <tr> <th>COAL ON HAND</th> <th>TONS</th> <th>TOTAL COMPANY TIME</th> <th>HRS.</th> <th>TOTAL CONTRACTOR'S TIME</th> <th>HRS.</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>												COAL ON HAND	TONS	TOTAL COMPANY TIME	HRS.	TOTAL CONTRACTOR'S TIME	HRS.							<table border="1"> <thead> <tr> <th>Toolbox</th> <th>Safety Talks</th> <th>Subject</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> </tr> </tbody> </table>		Toolbox	Safety Talks	Subject			
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DIRECTIONS TO
WELLMAILING
POINT_

SHIPPING
POINT_____

MILES
_ MOVED

DATE Jan 15

196

DATE JAN 13 1990

TOUR MIDNIGHT TO 8 A.M.
TOUR 8 A.M. TO 4 P.M.
TOUR 4 P.M. TO 8 P.M.
TOUR 8 P.M. TO MIDNIGHT

CONSERVATION BOARD COPY

BEAVER DRILLING LTD. DAILY DRILLING LOG

DIRECTIONS TO WELL

MAILING POINT

SHIPPING POINT

MILES MOVED

DATE JAN 14 1980

DATE JAN 14 1980

RIG NO. 3

DATE JAN 14 1980

From	Footage	To	Hrs. on Bottom	Hook Load	Stands	Singles	LENGTH	Drill Collars	No.	O.D.	LENGTH	STRING TOTALS
3153			44	40	1	2540.10		20	6 1/2			
No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Feet Drilled Reamed/Cored	Hrs. T	B	G	BIT INTERVAL	D. Pipe
6	8 3/4 W.D.	3/15	15483				10	2 1/2			3143 3153	D. Collars
												Subs Etc.
MUD	12 m.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 m.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 m.	2 a.m.
WEIGHT				4.4	No. 1	750			No. 2	750		Kelly In.
VISCOSITY				131	MODEL	S.P.M.	54		MODEL	S.P.M.	54	Depth
GEL					LINEAR	SIZE	54		LINEAR	SIZE	54	MOTOR HOURS
W.L.	18.6	F.C.	3.7	pH.	8.0	GENERAL:						1 232
ADDITIVES:												2 232
												3 232
												4 232
												5 147
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
13	DOM	7-2778	8	10	126	18749	50	100	18267	DEC 30	18767	2350
From	Footage	To	Hrs. on Bottom	Hook Load	Stands <td>Singles <td>LENGTH <td>Drill Collars <td>No. <td>O.D. <td>LENGTH <td>STRING TOTALS</td> </td></td></td></td></td></td>	Singles <td>LENGTH <td>Drill Collars <td>No. <td>O.D. <td>LENGTH <td>STRING TOTALS</td> </td></td></td></td></td>	LENGTH <td>Drill Collars <td>No. <td>O.D. <td>LENGTH <td>STRING TOTALS</td> </td></td></td></td>	Drill Collars <td>No. <td>O.D. <td>LENGTH <td>STRING TOTALS</td> </td></td></td>	No. <td>O.D. <td>LENGTH <td>STRING TOTALS</td> </td></td>	O.D. <td>LENGTH <td>STRING TOTALS</td> </td>	LENGTH <td>STRING TOTALS</td>	STRING TOTALS
3153	T.D.			94M	40	1	2540.10		20	6 1/2	576.70	
No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Feet Drilled Reamed/Cored	Hrs. T	B	G	BIT INTERVAL	D. Pipe
6	8 3/4 W.D.	3/15	15483				10	2 1/2			3143 3153	D. Collars
												Subs Etc.
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.
WEIGHT					No. 1	750			No. 2	750		Kelly In.
VISCOSITY					MODEL	S.P.M.			MODEL	S.P.M.		Depth
GEL					LINEAR	SIZE			LINEAR	SIZE		MOTOR HOURS
W.L.		F.C.		pH.	GENERAL:							1 241
ADDITIVES:												2 241
												3 241
												4 241
												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
13	DOM	7-2778	8	10	126	18749	50	100	18267	DEC 30	18767	2350
From	Footage	To	Hrs. on Bottom	Hook Load	Stands <td>Singles <td>LENGTH <td>Drill Collars <td>No. <td>O.D. <td>LENGTH <td>STRING TOTALS</td> </td></td></td></td></td></td>	Singles <td>LENGTH <td>Drill Collars <td>No. <td>O.D. <td>LENGTH <td>STRING TOTALS</td> </td></td></td></td></td>	LENGTH <td>Drill Collars <td>No. <td>O.D. <td>LENGTH <td>STRING TOTALS</td> </td></td></td></td>	Drill Collars <td>No. <td>O.D. <td>LENGTH <td>STRING TOTALS</td> </td></td></td>	No. <td>O.D. <td>LENGTH <td>STRING TOTALS</td> </td></td>	O.D. <td>LENGTH <td>STRING TOTALS</td> </td>	LENGTH <td>STRING TOTALS</td>	STRING TOTALS
3153	F.D.						2540.10		20	6 1/2	576.70	
No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Feet Drilled Reamed/Cored	Hrs. T	B	G	BIT INTERVAL	D. Pipe
6	8 3/4 W.D.	3/15	15483				10	2 1/2			3143 3153	D. Collars
												Subs Etc.
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.
WEIGHT					No. 1	750			No. 2	750		Kelly In.
VISCOSITY					MODEL	S.P.M.			MODEL	S.P.M.		Depth
GEL					LINEAR	SIZE			LINEAR	SIZE		MOTOR HOURS
W.L.		F.C.		pH.	GENERAL:							1 249
ADDITIVES:												2 249
												3 249
												4 249
												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
13	DOM	7-2778	8	10	126	18747	50	100	18267	DEC 30	18767	2350

REMARKS			TIME			Tour — Midnight - 8 a.m.	
	START	STOP	INTVL.				
R26 SERV.	12:00	12:15	15				
DRUMMY TRIP TO 9 COLLARS HOLE	12:15	12:30	15				
TIGHT		5:15	5				
BREAK TRAIL & CLEAN UP	5:15	5:30	15				
1 1/2" IN HOLE & CLEAN TO BOTTOM	5:30	6:30	1				
LOG HOLE TO COND. TO LOG	6:30	7:30	1				
STRAP OUT OF HOLE TO LOG HOLE	7:30	8:00	30				
TIGHT 1500 OFF BOTTOM.							
PULL 6 STEPS & RUN BACK IN HOLE			8:45	9:15	30		
DOUBLE STRAP OUT TO LOG	8:45	11:00	24				
RIGGING UP TO LOG	11:00	11:15	15				
LOGGING W/ SCHLUMBERGER	11:15	11:45	30				
CHANGE OIL IN mud mixing							
MOTOR & CLEAN OUT BREATHER							
LOGGING W/ SCHLUMBERGER			4:00	12:00	8		

Specify actual hours worked		Hrs.
Driller	P. SCHAEFER	8
Derrick	W. EAST	8
Motor	J. GLOVER	8
Floor	J. BRAZEL	8
Floor	C. LEWIS	8
Floor		
Injuries:		
Fires:		

Specify actual hours worked		Hrs.
Driller	E. COOPER	8
Derrick	W. MACKINNON	8
Motor	R. GONTERBYCHUK	8
Floor	P. ABRAMCHUK	8
Floor	J. OLSEN	8
Floor		
Mechanic		
Injuries:		
Fires:		

Specify actual hours worked		Hrs.
Driller	E. WESTERMAN	8
Derrick	C. LEWIS	8
Motor	M. REGNER	8
Floor	O. REGNER	8
Floor		
Injuries:		
Fires:	3 Nil	

Specify actual hours worked		Hrs.
Driller		
Derrick		
Motor		
Floor		
Floor		
Injuries:		
Fires:		

EQUIPMENT CHANGES		TRANSFER
RAN	JTS	CSG
TO	KB. USED	SAX
PLUS	%	PLUG DOWN
CEMENT RETURNS - (YES/NO)		

TOTAL COMPANY TIME		TOTAL CONTRACTOR'S TIME	
HRS.		HRS.	
Approved by Operator's Representative		Approved by	
Approved by		Weather:-	
Weather:-		Road	Conditions:-

CONSERVATION BOARD COPY

DIRECTIONS TO WELL

DAILY DRILLING LOG

RIG NO. 3

LOCATION CAR SUP HTTG- TIAN MARI F-7 LSD.

SEC. _____ TWP. _____ RGE. _____ W.

RIG NO. 3

SHIPPING
POINTMILES
MOVED

DATE 7/20/19

1249

DATE *FEB 13* 196*6*

CONSERVATION BOARD COPY

DIRECTIONS TO WELL

DAILY DRILLING LOG

RIG NO. 3

LOCATION CAN SUP 876 JOHN MARL 630

REC TWP RGE

RIG NO. 3

MAILING
POINT _____

SHIPPING
POINT

MILES
MOVED

DATE JAN. 17 1961

DATE JAN 12 1969

From Footage To Hrs. on Bottom Hook Load Stands LENGTH Drill Collars No. O.D. LENGTH										STRING TOTALS										REMARKS										TIME			Tour — Midnight 8 a.m.																															
3143										40										2509.62										20 596.70										2509.62										WAIT ON O.S. B.B. HOLE										12:00			Specify actual hours worked	
No. Size Type Jets/W.C. Serial No. Wgt. R.P.M. Feet Drilled Reamed/Cored Hrs. T B G										No. O.D. LENGTH										D. Pipe 2509.62										D. Collars 596.70										SUBS ETC.										9:00 8			Driller P. SCHAEFER 8											
M.U.D. 12 m. 2 a.m. 4 a.m. 6 a.m. PUMP 12 m. 2 a.m. 4 a.m. 6 a.m. PUMP 12 m. 2 a.m. 4 a.m. 6 a.m.										No. 1 PRE. SURE No. 2 PRE. SURE										Kelly In. 38.00										Depth 7143.32													Derrick W. EAST 8																					
WEIGHT										No. 1 PRE. SURE No. 2 PRE. SURE										MOTOR HOURS													Motor J. WALDEN 9																															
VISCOSITY										MODEL S.P.M. LINER SIZE										1 134													Floor J. BRAZEL 8																															
GEL										W.L. F.C. pH. GENERAL:										2 184													Floor C. LEWIS 8																															
ADDITIVES:										SURVEYS At Feet Degrees										3 194													Injuries																															
										4 194																							Fires																															
										5 107																																																						
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										P. Schaefer													Tour — 8 a.m. to 4 p.m.																															
From Footage To Hrs. on Bottom Hook Load Stands LENGTH Drill Collars No. O.D. LENGTH										STRING TOTALS										WORK STUCK PIPE & WAIT 9:00 9:30 54													Specify actual hours worked																															
No. Size Type Jets/W.C. Serial No. Wgt. R.P.M. Feet Drilled Reamed/Cored Hrs. T B G										No. O.D. LENGTH										D. Pipe										D. Collars										SUBS ETC.										1:30 2:30 1			Driller E. COOPER 8											
M.U.D. 8 a.m. 10 a.m. 12 noon 2 p.m. PUMP 8 a.m. 10 a.m. 12 noon 2 p.m. PUMP 8 a.m. 10 a.m. 12 noon 2 p.m.										No. 1 PRE. SURE No. 2 PRE. SURE										Kelly In.										Depth										2:30 4:00 1 1/2			Derrick W. MACKINNON 8																					
WEIGHT										No. 1 PRE. SURE No. 2 PRE. SURE										MOTOR HOURS													Motor R. ONOFFRYANK 9																															
VISCOSITY										MODEL S.P.M. LINER SIZE										1 192													Floor P. ABRAZENKO 8																															
GEL										W.L. F.C. pH. GENERAL:										2 192													Floor J. OLSEN 8																															
ADDITIVES: GEL 1400										SURVEYS At Feet Degrees										3 192													Mechanic																															
										4 192																							Injuries																															
										5 105																							Fires																															
Drilling Line Record										Size Make Serial No. No. Lines Trips Ton Miles Total Miles Slip Feet or Cut At Miles Date Slip or Cut Next Slip Ft. Left on Spool										B. Cooper													Tour — 4 p.m. to Midnight																															
From Footage To Hrs. on Bottom Hook Load Stands LENGTH Drill Collars No. O.D. LENGTH										STRING TOTALS										JARING PIPE FREE 4:00 6:00 2													Specify actual hours worked																															
No. Size Type Jets/W.C. Serial No. Wgt. R.P.M. Feet Drilled Reamed/Cored Hrs. T B G										No. O.D. LENGTH										D. Pipe 2509.62										D. Collars 596.70										SUBS ETC.										6:00 10:00			Driller M. ONICH 8											
M.U.D. 4 p.m. 6 p.m. 8 p.m. 10 p.m. PUMP 4 p.m. 6 p.m. 8 p.m. 10 p.m. PUMP 4 p.m. 6 p.m. 8 p.m. 10 p.m.										No. 1 PRE. SURE No. 2 PRE. SURE										Kelly In. 38.00										Depth 3143.32										10:15 11:15 1			Derrick E. WIETEMAN 8																					
WEIGHT										No. 1 PRE. SURE No. 2 PRE. SURE										MOTOR HOURS													Motor M. REGIER 8																															
VISCOSITY										MODEL S.P.M. LINER SIZE										1 200													Floor O. REGIER 9																															
GEL										W.L. F.C. pH. GENERAL:										2 200													Floor D. KLEPPER 8																															
ADDITIVES:										SURVEYS At Feet Degrees										3 200													Injuries																															
										3144 3°										4 200													Fires																															
										5 123																																																						
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										M. Quinn													Toolpusher																															
B.O.P. Tested Elapsed Time Pressure Packing & Seal Inspected Date Crown-o-matic Chk'd. Fuel on Hand 12:01 a.m. gals.										CASING REPORT										EQUIPMENT CHANGES										TRANSFER =			Signature																															
Hydril										RAN										JTS										CSG																																		
Pipe Rams.										TO										KB. USED										SAX			CEM																															
Blind Rams.										PLUS										PLUG DOWN										A.M.			P.M.																															
TOTCO RING ON BIT #										Boiler Operated: 24 Hrs.										FIRE EQUIP. Chk'd.										FUEL USED										gals.			CEMENT RETURNS - (YES-NO)			GENERAL: —			COAL ON HAND TONS															
																																																	TOTAL COMPANY TIME															
																																																	TOTAL CONTRACTOR S TIME															
																																																	Approved by Operator's Representative															
																																																	Approved by Toolpusher															
																																																	Weather: —															
																																																	Road Conditions: —															

CONSERVATION BOARD COPY

DIRECTIONS TO WELL _____

DAILY DRILLING LOG

RIG NO.

LOCATION: CAN SURF MFG TEAM MAILE E-7 LSD

SEC

 TWP

 RGE

_____ W.

RIG NO.

DATE JAN 11

19620

[illegible]

CONSERVATION BOARD COPY

BEAVER DRILLING LTD. DAILY DRILLING LOG

DIRECTIONS TO WELL		MAILING POINT		RIG NO. 3		LOCATION		SEC. TWP. RGE. W.		DATE		RIG NO. 3	
WELL		POINT		POINT		MILES MOVED		DATE		DATE		DATE	
From	Footage	To	Hrs. on Bottom	Hook Load	Stands	Singles	LENGTH	Drill Collars	No.	O.D.	LENGTH	STRING TOTALS	
2812	33	2845	5	90m	35	1	2227.61	20	6 1/4	596.70			
No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Feet Drilled	Hrs.	T	B	G	BIT INTERVAL	
4	8 3/4	WD7	3/4	15485	35-40	70	33	5	Running			2812 2845	
MUD												PUMP	
WEIGHT												PUMP	
VISCOSITY												PUMP	
GEL												PUMP	
W.L.												PUMP	
ADDITIVES												PUMP	
Drilling Line Record												PUMP	
From	Footage	To	Hrs. on Bottom	Hook Load	Stands	Singles	LENGTH	Drill Collars	No.	O.D.	LENGTH	STRING TOTALS	
2845	64	2909	7 1/4	92m	36	1	2290.25	20	6 1/4	596.70			
No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Feet Drilled	Hrs.	T	B	G	BIT INTERVAL	
4	8 3/4	WD7	3/4	15485	40	15-20	77	1 1/2	Running			2812 2909	
MUD												PUMP	
WEIGHT												PUMP	
VISCOSITY												PUMP	
GEL												PUMP	
W.L.												PUMP	
ADDITIVES												PUMP	
Drilling Line Record												PUMP	
From	Footage	To	Hrs. on Bottom	Hook Load	Stands	Singles	LENGTH	Drill Collars	No.	O.D.	LENGTH	STRING TOTALS	
2909	50	2959	7 3/4	92m	37	-	2320.46	20	6 1/4	596.70			
No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Feet Drilled	Hrs.	T	B	G	BIT INTERVAL	
4	8 3/4	WD7	3/4	15485	40m	70	147	20	Running			2812 2959	
MUD												PUMP	
WEIGHT												PUMP	
VISCOSITY												PUMP	
GEL												PUMP	
W.L.												PUMP	
ADDITIVES												PUMP	
Drilling Line Record												PUMP	
From	Footage	To	Hrs. on Bottom	Hook Load	Stands	Singles	LENGTH	Drill Collars	No.	O.D.	LENGTH	STRING TOTALS	
2959	50	3009	7 3/4	92m	37	-	2320.46	20	6 1/4	596.70			
No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Feet Drilled	Hrs.	T	B	G	BIT INTERVAL	
4	8 3/4	WD7	3/4	15485	40m	70	147	20	Running			2812 3009	
MUD												PUMP	
WEIGHT												PUMP	
VISCOSITY												PUMP	
GEL												PUMP	
W.L.												PUMP	
ADDITIVES												PUMP	
Drilling Line Record												PUMP	
From	Footage	To	Hrs. on Bottom	Hook Load	Stands	Singles	LENGTH	Drill Collars	No.	O.D.	LENGTH	STRING TOTALS	
3009	50	3059	7 3/4	92m	37	-	2320.46	20	6 1/4	596.70			
No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Feet Drilled	Hrs.	T	B	G	BIT INTERVAL	
4	8 3/4	WD7	3/4	15485	40m	70	147	20	Running			2812 3059	
MUD												PUMP	
WEIGHT												PUMP	
VISCOSITY												PUMP	
GEL												PUMP	
W.L.												PUMP	
ADDITIVES												PUMP	
Drilling Line Record												PUMP	

CONSERVATION BOARD COPY

DAILY DRILLING LOG

MAILING
POINT

SHIPPING
POINT

MILES
MOVED

DATE Jan 2

1967

RIG NO. 3
DATE Jan

1967

CONSERVATION BOARD COPY

DAILY DRILLING LOG

MAILING
POINT_____

SKIPPING
POINT

MILES
MOVED

DATE Jan 7

1965 **70**

RIG NO. 3

DATE *Jan 7*

1960

CONSERVATION BOARD COPY

BEAVER DRILLING LTD. DAILY DRILLING LOG

DIRECTIONS TO WELL

MAILING POINT

SHIPPING POINT

MILES MOVED

DATE

1980

RIG NO. 3

DATE JAN 5

1980

From	Footage	To	Hrs. on Bottom	Hook Load	Stands	Singles	LENGTH	Drill Collars	No.	O.D.	LENGTH	STRING TOTALS
1455	251	1706	7 1/4	63m	21		1255.55		14	6 1/4	410.89	
No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Feet Drilled Reamed/Cored	Hrs.	T	B	G	BIT INTERVAL
2	9 3/4	X3A	3/32	16466	25m	70	502	14	Running			1204 1706
M.U.D. 12 m. 2 a.m. 4 a.m. 6 a.m. PUMP 12 m. 2 a.m. 4 a.m. 6 a.m. PUMP 12 m. 2 a.m. 4 a.m. 6 a.m. WEIGHT 9.9 9.0 9.1 9.1 No. 1 PRES. 450 500 450 450 No. 2 PRES. 450 500 450 450 VISCOSITY 32 52 48 46 No. 1 S.P.M. 58 58 58 58 No. 2 S.P.M. 58 58 58 58 GEL 1/2 1/2 1/2 1/2 No. 1 LINER 5 1/2 X 15 No. 2 LINER 5 1/2 X 15 W.L. 15 F.C. 2/32 pH. 10.5 GENERAL: ADDITIVES: 2500 lbs. Drilling Line Record 1 1/2 Dom 7-2779 8 4 12 19344 50 100 19267 DEC 30 19767 2360												
1706	230	1436	7 1/2	68m	25		1507.20		14	6 1/4	410.89	
No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Feet Drilled Reamed/Cored	Hrs.	T	B	G	BIT INTERVAL
2	9 3/4	X3A	3/32	16466	28m	70	722	21 1/2	Running			1204 1936
M.U.D. 8 a.m. 10 a.m. 12 noon 2 p.m. PUMP 8 a.m. 10 a.m. 12 noon 2 p.m. PUMP 8 a.m. 10 a.m. 12 noon 2 p.m. WEIGHT 9.1 9.1 9.0 9.0 No. 1 PRES. 450 450 450 450 No. 2 PRES. 450 450 450 450 VISCOSITY 49 42 38 40 No. 1 S.P.M. 58 58 58 58 No. 2 S.P.M. 58 58 58 58 GEL 250 250 250 250 No. 1 LINER 5 1/2 X 15 No. 2 LINER 5 1/2 X 15 W.L. F.C. pH. GENERAL: ADDITIVES: 2700 Drilling Line Record 1 1/2 Dom 7-2779 8 4 20 18344 50 100 18267 DEC 30 19767 2350												
1936	241	2177	7 1/2	70m	28	1	1726.67		14	6 1/4	410.89	
No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Feet Drilled Reamed/Cored	Hrs.	T	B	G	BIT INTERVAL
2	9 3/4	X3A	3/32	16466	30m	70	973	29	Running			1204 2177
M.U.D. 4 p.m. 6 p.m. 8 p.m. 10 p.m. PUMP 4 p.m. 6 p.m. 8 p.m. 10 p.m. PUMP 4 p.m. 6 p.m. 8 p.m. 10 p.m. WEIGHT 9.0 9.1 9.1 9.1 No. 1 PRES. 400 400 400 400 No. 2 PRES. 400 400 400 400 VISCOSITY 35 42 45 42 No. 1 S.P.M. 55 58 58 58 No. 2 S.P.M. 55 58 58 58 GEL 250 250 250 250 No. 1 LINER 5 1/2 X 15 No. 2 LINER 5 1/2 X 15 W.L. F.C. pH. GENERAL: ADDITIVES: 4700 lbs. Drilling Line Record 1 1/2 Dom 7-2779 8 4 20 18344 50 100 18267 DEC 30 19767 2350												

REMARKS	TIME			Tour — Midnight - 8 a.m.
	START	STOP	INTVL	
Rig Serv	12:00	12:15	1/4	Driller M. Quinn
Drill 9 3/4 hole	12:15	1:15	1	Derrick E. Weideman
Survey	1:15	1:30	1/4	Motor M. Regnier
Drill 9 3/4 hole	1:30	6:15	4 3/4	Floor O. Regnier
Survey	6:15	6:30	1/4	Floor D. Klepper
Drill 9 3/4 hole	6:30	8:00	1 1/2	
Driller's Signature: M. Quinn				
Drill 9 3/4 hole	8:00	8:45	3/4	Driller P. Schaffer
ATG SEAV. & B.O.P.S.	8:45	9:00	1/4	Derrick W. Fast
Drill 9 3/4 hole	9:00	1:15	4 1/4	Motor J. Lohren
Survey @ 1826 1 1/2"	1:15	1:30	1/4	Floor J. Barzila
Drill 8 3/4 hole	1:30	4:00	2 1/2	
Driller's Signature: P. Schaffer				
Rig Serv	4:00	4:15	1/4	Driller E. Cooper
Drill 8 3/4 hole	4:15	7:00	2 3/4	Derrick W. MacMillan
Work Pipe & Survey @ 1989	7:00	7:15	1/4	Motor R. Diefryck
Drill 8 3/4 hole	7:15	12:00	4 3/4	Floor P. Abramenko
Driller's Signature: E. Cooper				
TOOLPUSH: [Signature]				
SAFETY TALKS: [Signature]				
Weather: [Signature]				
Road Conditions: [Signature]				

BEAVER DRILLING LTD.

DAILY DRILLING LOG

RIG NO. 3

LOCATION

CAN. SUP. K.M.G. JENN. HARRIS

E-7

TWP.

RGE.

W.

RIG NO. 3

DIRECTIONS TO WELL

MAILING POINT

SHIPPING POINT

MILES MOVED

DATE JAN 3

1980

DATE JAN 3 1980

From	Footage	To	Hrs. on Bottom	Hook Load	Stands	Singles	LENGTH	Drill Collars	No.	O.D.	LENGTH	STRING TOTALS	REMARKS	TIME	Tour	Specify actual hours worked	Hrs.		
470	107	577	1 1/4	38m	2		126.17		14	6 1/4	410.89								
No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Feet Drilled Reamed/Cored	Hrs.	T	B	G	BIT INTERVAL	D. Pipe	126.17	12:00	12:15	1/2		
1	8 3/4	R3A	3/22	17668	15m	65-70	107	1 1/4				RUNNING	D. Collars	410.39	12:00				
													Subs Etc.	2.32					
MUD	12 m	2 a.m.	4 a.m.	6 a.m.	PUMP	12 m	2 a.m.	4 a.m.	6 a.m.	PUMP	12 m	2 a.m.	4 a.m.	6 a.m.	Kelly In.	38.00			
WEIGHT					No. 1	PRES. SURF.	300	No. 2	PRES. SURF.				Depth	577.44					
VISCOSITY					MODEL	S.P.M.	38	MODEL	S.P.M.				MOTOR HOURS						
GEL					LINE SIZE		5 1/2 x 15	LINE SIZE											
W.L.	F.C.	pH.	GENERAL:										SURVEYS						
ADDITIVES:													At Feet	Degrees					
Bicarb = 200 lbs																			
Cement Top 418																			
Float Top 428																			
Shoe 470																			
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	Feet Left on Spool						
577	200	777	7	42m	5	1	345.71		14	1 1/4	410.89								
No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Feet Drilled Reamed/Cored	Hrs.	T	B	G	BIT INTERVAL	D. Pipe	345.71	8:00	8:15	1/2		
1	8 3/4	R3A	3/22	17668	12-15	65	307	1 1/4				RUN	D. Collars	410.77	8:15	2:30	6 1/2		
													Subs Etc.	2.39					
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.	Kelly In.	19.00			
WEIGHT	9.6	8.6	8.6	4.6	No. 1	PRES. SURF.	300	No. 2	PRES. SURF.				Depth	777.98					
VISCOSITY	30	30	30	30	MODEL	S.P.M.	38	MODEL	S.P.M.				MOTOR HOURS						
GEL					LINE SIZE		5 1/2 x 15	LINE SIZE											
W.L.	F.C.	pH.	GENERAL:										SURVEYS						
ADDITIVES:													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	Feet Left on Spool						
777	176	953	7 1/4	50m	8	-	502.30		14	6 1/4	410.89								
No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Feet Drilled Reamed/Cored	Hrs.	T	B	G	BIT INTERVAL	D. Pipe	502.30	4:00	4:15	1/4		
1	8 3/4	R3A	3/22	17668	12-15	65-75	483	1 1/4				RUN	D. Collars	410.89	4:15	5:15	1		
													Subs Etc.	2.34					
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.	Kelly In.	38.00			
WEIGHT	8.6	8.6	8.6	8.7	No. 1	PRES. SURF.	300	No. 2	PRES. SURF.				Depth	953.57					
VISCOSITY	29	29	29	29	MODEL	S.P.M.	58	MODEL	S.P.M.				MOTOR HOURS						
GEL					LINE SIZE		5 1/2 x 15	LINE SIZE											
W.L.	F.C.	pH.	GENERAL:										SURVEYS						
ADDITIVES:													At Feet	Degrees					
													765	14					
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	Feet Left on Spool						
777	176	953	7 1/4	50m	8	-	502.30		14	6 1/4	410.89								
No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Feet Drilled Reamed/Cored	Hrs.	T	B	G	BIT INTERVAL	D. Pipe	502.30	5:15	5:45	1/2		
1	8 3/4	R3A	3/22	17668	12-15	65-75	483	1 1/4				RUN	D. Collars	410.89	5:45	12:00	6 1/4		
													Subs Etc.	2.34					
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.	Kelly In.	38.00			
WEIGHT	8.6	8.6	8.6	8.7	No. 1	PRES. SURF.	300	No. 2	PRES. SURF.				Depth	953.57					
VISCOSITY	29	29	29	29	MODEL	S.P.M.	58	MODEL	S.P.M.				MOTOR HOURS						
GEL					LINE SIZE		5 1/2 x 15	LINE SIZE											
W.L.	F.C.	pH.	GENERAL:										SURVEYS						
ADDITIVES:													At Feet	Degrees					
													765	14					
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	Feet Left on Spool						
777	176	953	7 1/4	50m	8	-	502.30		14	6 1/4	410.89								
No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Feet Drilled Reamed/Cored	Hrs.	T	B	G	BIT INTERVAL	D. Pipe	502.30	5:45	12:00	6 1/4		
1	8 3/4	R3A	3/22	17668	12-15	65-75	483	1 1/4				RUN	D. Collars	410.89	5:45	12:00	6 1/4		
													Subs Etc.	2.34					
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.	Kelly In.	38.00			
WEIGHT	8.6	8.6	8.6	8.7	No. 1	PRES. SURF.	300	No. 2	PRES. SURF.				Depth	953.57					
VISCOSITY	29	29	29	29	MODEL	S.P.M.	58	MODEL	S.P.M.				MOTOR HOURS						
GEL					LINE SIZE		5 1/2 x 15	LINE SIZE											
W.L.	F.C.	pH.	GENERAL:										SURVEYS						
ADDITIVES:													At Feet	Degrees					
													765	14					
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	Feet Left on Spool						
777	176	953	7 1/4	50m	8	-	502.30		14	6 1/4	410.89								
No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Feet Drilled Reamed/Cored	Hrs.	T	B	G	BIT INTERVAL	D. Pipe	502.30	5:45	12:00	6 1/4		
1	8 3/4	R3A	3/22	17668	12-15	65-75	483	1 1/4				RUN	D. Collars	410.89	5:45	12:00	6 1/4		
													Subs Etc.	2.34					
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.	Kelly In.	38.00			
WEIGHT	8.6	8.6	8.6	8.7	No. 1	PRES. SURF.	300	No. 2	PRES. SURF.				Depth	953.57					
VISCOSITY	29	29	29	29	MODEL	S.P.M.	58	MODEL	S.P.M.				MOTOR HOURS						
GEL					LINE SIZE		5 1/2 x 15	LINE SIZE											
W.L.	F.C.	pH.	GENERAL:										SURVEYS						
ADDITIVES:													At Feet	Degrees					
													765	14					
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	Feet Left on Spool						
777	176	953	7 1/4	50m	8	-	502.30		14	6 1/4	410.89								
No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Feet Drilled Reamed/Cored	Hrs.	T	B	G	BIT INTERVAL	D. Pipe	502.30	5:45	12:00	6 1/4		
1	8 3/4	R3A	3/22	17668	12-15	65-75	483	1 1/4				RUN	D. Collars	410.89	5:45	12:00	6 1/4		
													Subs Etc.	2.34					
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.	Kelly In.	38.00			
WEIGHT	8.6	8.6	8.6	8.7	No. 1	PRES. SURF.	300	No. 2	PRES. SURF.				Depth	953.57					
VISCOSITY	29	29	29	29	MODEL	S.P.M.	58	MODEL	S.P.M.				MOTOR HOURS						
GEL					LINE SIZE		5 1/2 x 15	LINE SIZE											
W.L.	F.C.	pH.	GENERAL:										SURVEYS						
ADDITIVES:													At Feet	Degrees					
													765	14					
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	Feet Left on Spool						
777	176	953	7 1/4	50m	8	-	502.30		14	6 1/4	410.89								
No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Feet Drilled Reamed/Cored	Hrs.	T	B	G	BIT INTERVAL	D. Pipe	502.30	5:45	12:00	6 1/4		
1	8 3/4	R3A	3/22	17668	12-15	65-75	483	1 1/4				RUN	D. Collars	410.89	5:45	12:00	6 1/4		
													Subs Etc.	2.34					
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.	Kelly In.	38.00			
WEIGHT	8.6	8.6	8.6	8.7	No. 1	PRES. SURF.	300	No. 2	PRES. SURF.				Depth	953.57					
VISCOSITY	29	29	29	29	MODEL	S.P.M.	58	MODEL	S.P.M.				MOTOR HOURS						
GEL					LINE SIZE		5 1/2 x 15	LINE SIZE											
W.L.	F.C.	pH.																	

BEAVER DRILLING LTD. DAILY DRILLING LOG

DIRECTION TO WELL

MAILING POINT

SHIPPING POINT

MILES MOVED

DATE

1980

RIG NO. 3

DATE JAN 2

1980

From	Footage	To	Hrs. on Bottom	Hook Load	Stands	Singles	LENGTH	Drill Collars	No.	O.D.	LENGTH	STRING TOTALS		
110														
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	PRES. SURE			No. 2	PRES. SURE					
VISCOSITY				MODEL	S.P.M.			MODEL	S.P.M.					
GEL				GENERAL										
W.L.	F.C.	pH.												
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	
14	Dom	7-2778	8				50	100	17267	DEC 30	17267	2350		

REMARKS	START	STOP	INVL
FINISH OUT TO RUN CASING	1200	1215	1/4
Run To RUN CASING	1215	1230	1/4
Running CASING	1230	330	3
Circ CASING	330	530	2
Cementing + pump plug	530	630	1
Plug down AT 630 AM			
Slack off + prepare to	1.30		
Nipple up B.O.E.		700	1 1/2
DRILLER'S SIGNATURE: Willy C. Quinn			
OIL SELLAR	8:00	10:30	2 1/2
CUT OFF CASING PER HEAT	10:30		
BOWL & WELD ON SAME	1:00	2:00	2 1/2
PRESSURE UP BOWL ON	1:00	1:30	1/2
NIPPLE UP B.O.E.	1:30	4:00	2 1/2
DRILLER'S SIGNATURE: P. Schaeffer			
NIPPLE UP B.O.P.S	4:00	12:00	8
DRILLER'S SIGNATURE: E. Cooper			

Tour - Midnight 8 a.m.	
Specify actual hours worked	Hrs.
Driller M. Quinn	8
Derrick E. Weiserman	8
Motor M. Regnier	8
Floor O. Regnier	8
Floor U. Klepper	8
Floor	
Injuries: IVIL	
Fires:	
Tour - 8 a.m. to 4 p.m.	
Specify actual hours worked	Hrs.
Driller P. Schaeffer	8
Derrick W. East	8
Motor J. Golden	8
Floor J. Barzel	8
Floor M. Schum	8
Floor	
Mechanic	
Injuries:	
Fires:	
Tour - 4 p.m. to Midnight	
Specify actual hours worked	Hrs.
Driller E. Cooper	8
Derrick W. MacKinnon	8
Motor R. Dofrychuk	8
Floor P. Abramenko	8
Floor J. Olson	8
Floor	
Injuries:	
Fires:	

B.O.P.		Tested		Elapsed Time		Pres. sure		Packing & Seal Inspected Date		Crown-a-matic Chk'd.		Fuel on Hand 12 01 a.m.		FUEL USED		CASING REPORT		EQUIPMENT CHANGES		TRANSFER =	
Hydril																					
Pipe Rams.																					
Blind Rams.																					
TOTCO RING ON BIT #																					
Boiler Operated:	24																				
FUEL USED		gals.		FUEL REC'D TODAY (add)		gals.		TOTAL		gals.		FUEL ON HAND 11 59 p.m. (deduct)		gals.		PLUS		PLUG DOWN		A.M. P.M.	
CEMENT RETURNS - (YES/NO)				GENERAL				COAL ON HAND		TONS		TOTAL COMPANY TIME		HRS.		TOTAL CONTRACTOR'S TIME		HRS.			
Approved by Operator's Representative				Approved by Toolpusher				Weather:				Road		Conditions:							

DIRECTIONS TO WELL

MAILING
POINT

SHIPPING
POINT

CAN Sup KING JEON MARIC E-7
LSD. SEC.

MILES
MOVIES

over Tax

30

DATE Jan 1

40

CONSERVATION BOARD COPY

BEAVER DRILLING LTD. DAILY DRILLING LOG

DIRECTIONS TO WELL

MAILING POINT

SHIPPING POINT

MILES MOVED

DATE

1969

DATE

1969

RIG NO. 3 LOCATION CAN SUP K.M.G. Jean Marie E7 SEC. TWP. RGE. W.

RIG NO. 3

From	Footage	To	Hrs. on Bottom	Hook Load	Stands	Singles	LENGTH	Drill Collars	No.	O.D.	LENGTH	STRING TOTALS			
B	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Feet Drilled Reamed/Cored	Hrs.	T	B	G	BIT INTERVAL		
MUD	12 m.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 m.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 m.	2 a.m.	4 a.m.	6 a.m.	Kelly In.
WEIGHT					No. 1	PRES-SURE		No. 2	PRES-SURE						Depth
VISCOSITY					MODEL	S.P.M.		MODEL	S.P.M.						MOTOR HOURS
GEL					LINE SIZE			LINE SIZE							Next Oil Change
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	Feet Left on Spool		
0	71	Dom	7-2778	8				50	100	18267	DEC 30	18767	2350		
From	Footage	To	Hrs. on Bottom	Hook Load	Stands	Singles	LENGTH	Drill Collars	No.	O.D.	LENGTH	STRING TOTALS			
B	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.	Kelly In.
WEIGHT					No. 1	PRES-SURE		No. 2	PRES-SURE						Depth
VISCOSITY					MODEL	S.P.M.		MODEL	S.P.M.						MOTOR HOURS
GEL					LINE SIZE			LINE SIZE							Next Oil Change
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	Feet Left on Spool		
0	71	Dom	7-2778	8				50	100	18267	DEC 30	18767	2350		
From	Footage	To	Hrs. on Bottom	Hook Load	Stands	Singles	LENGTH	Drill Collars	No.	O.D.	LENGTH	STRING TOTALS			
B	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.	Kelly In.
WEIGHT					No. 1	PRES-SURE		No. 2	PRES-SURE						Depth
VISCOSITY					MODEL	S.P.M.		MODEL	S.P.M.						MOTOR HOURS
GEL					LINE SIZE			LINE SIZE							Next Oil Change
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	Feet Left on Spool		
0	71	Dom	7-2778	8				50	100	18267	DEC 30	18767	2350		

REMARKS	TIME	START	STOP	INTVL	Tour — Midnight - 8 a.m.
WAIT ON DRILL COLLARS	12 = 2 = 8				Specify actual hours worked
					Hrs.
					Driller M QUINN 8
					Derrick E WEITERMAN 10
					Motor M REYNOLDS 8
					Floor O. REYNOLDS 8
					Floor D KLEPPER 8
					Floor
					Injuries: Nil
					Fires:
					DRILLER'S SIGNATURE M Quinn
WAIT ON DRILL COLLARS	8:00 11:00	3			Tour — 8 a.m. to 4 p.m.
UNLOAD TRUCK	11:00 12:00	1			Specify actual hours worked
RIG UP FLOOR RIG TO DIG	12:00				Hrs.
MOUSE HOLE RAT HOLE	2:30 2 1/2				Driller P. SCHAEFER 8
DIG MOUSE HOLE RAT HOLE	2:30 11:00 1 1/2				Derrick W. EAST 8
					Motor J. GILLEN 8
					Floor J. BRAZEL 8
					Floor A. SHAWM 8
					Floor
					Mechanic
					Injuries:
					Fires:
					DRILLER'S SIGNATURE P. Schaefer
FINISH DIGGING RAT HOLE	4:00 5:30	1 1/2			Tour — 4 p.m. to Midnight
RIG UP TO SPUD	5:30 6:30	1			Specify actual hours worked
DRILLING 15" HOLE	6:30 9:30	3			Hrs.
PUT ON BALS CHECK DRILL COLLARS	9:30 10:15	3/4			Driller E. COOPER 8
FILL SWYEL WITH OIL & WORK PIPE					Derrick W. MACKINSON 8
DRILL 15" HOLE	10:15 12:00	1 3/4			Motor P. ANDERSON 8
					Floor P. ABRAMENKO 8
					Floor J. OLSON 8
					Floor
					Injuries:
					Fires:
					DRILLER'S SIGNATURE E. Cooper
SPUD. 6:30 PM. DEC 31/69.					
K.B. TO CARD. 13:55.					
					DRILLER'S SIGNATURE E. Cooper

B.O.P.	Tested	Elapsed Time	Pressure	Packing & Seal Inspected Date	Crown-a-matic Chk'd.	Fuel on Hand 12:01 a.m.	gals.	CASING REPORT	RAN	JTS	CSG	EQUIPMENT CHANGES	TRANSFER =
Hydril					Rig Savers Chk'd.	Fuel Rec'd Today (add)							
Pipe Rams.					Kelly Cock Chk'd.	TOTAL							
Blind Rams.					Fire Equip. Chk'd.	Fuel on Hand 11:59 p.m. (deduct)							
TOTCO RING ON BIT #					Boiler Operated: 24 Hrs.	FUEL USED							
GENERAL:													

COAL ON HAND	TONS	TOTAL COMPANY TIME	HRS.	TOTAL CONTRACTOR'S TIME	HRS.
Approved by Operator's Representative					
Approved by Toolpusher					
Weather:					
Road Conditions:					

SURF. CSG. SIZE <u>10 3/4" AT 470.</u> INTER. CSG. SIZE <u>"AT</u> K.B. ELEV. <u>177</u> GROUND ELEV. <u>265</u> K.B. TO CSG. FLANGE <u>14.00</u>		CANADIAN SUPERIOR OIL LTD. DAILY DRILLING REPORT CONTRACTOR <u>Boiler Drilling</u> SERVICE/ROTARY RIG NO. <u>3</u>		DATE <u>JAN 19 1970</u> FIELD <u>WILKAT</u> LEASE <u>CAN. S. OIL</u> WELL NO. <u>TECA 01 F-07</u> PROVINCE <u>W.D.</u>	
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MIDNIGHT TO 8:00 A.M.		TOUR DRILLING, RATHOLING & REAMING RECORD											
		FROM	TO	HOURS	WEIGHT	FORMATION	SIGNED		DRILLER				
WEATHER		TEMP						DETAILS OF MUD TESTS					
STDS. SLGS. SIZE LENGTH								TIME	WT.	VIS.	W.L.	CAKE	PH
D.P.													
D.C.													
SUBS								DETAILS OF MUD ADDITIVES					
								MATERIAL	LBS.	MATERIAL	LBS.		
KELLY LENGTH													
TOTAL ON HOOK													
UP ON KELLY													
TOTAL DEPTH													
REMARKS		FROM	TO	DESCRIPTION OF WORK PERFORMED									
				TECA 01 Rig.									
				Boiler Sh-T down @ 6 AM.									
				JAN. 19/1970.									

8:00 A.M. TO 4:00 P.M.		TOUR DRILLING, RATHOLING & REAMING RECORD											
		FROM	TO	HOURS	WEIGHT	FORMATION	SIGNED		DRILLER				
WEATHER		TEMP						DETAILS OF MUD TESTS					
STDS. SLGS. SIZE LENGTH								TIME	WT.	VIS.	W.L.	CAKE	PH
D.P.													
D.C.													
SUBS								DETAILS OF MUD ADDITIVES					
								MATERIAL	LBS.	MATERIAL	LBS.		
KELLY LENGTH													
TOTAL ON HOOK													
UP ON KELLY													
TOTAL DEPTH													
REMARKS		FROM	TO	DESCRIPTION OF WORK PERFORMED									
				TECA 01 Rig & Road out									
				✓ S.A.C.									

4:00 P.M. TO MIDNIGHT		TOUR DRILLING, RATHOLING & REAMING RECORD											
		FROM	TO	HOURS	WEIGHT	FORMATION	SIGNED		DRILLER				
WEATHER		TEMP						DETAILS OF MUD TESTS					
STDS. SLGS. SIZE LENGTH								TIME	WT.	VIS.	W.L.	CAKE	PH
D.P.													
D.C.													
SUBS								DETAILS OF MUD ADDITIVES					
								MATERIAL	LBS.	MATERIAL	LBS.		
KELLY LENGTH													
TOTAL ON HOOK													
UP ON KELLY													
TOTAL DEPTH													
REMARKS		FROM	TO	DESCRIPTION OF WORK PERFORMED									
				TECA 01 Rig & Road out same.									

CUN. SUP. REP.		BOILER USED THIS 24 HOURS?		TOOLPUSH	
<u>Boiler</u>		<u>6 hrs</u>		<u>[Signature]</u>	

SURF. CSG. SIZE 10 1/2 "AT 470
 INTER. CSG. SIZE _____ "AT _____
 K.B. ELEV. 2.74
 GROUND ELEV. 9.11
 K.B. TO CSG. FLANGE 1400

CANADIAN SUPERIOR OIL LTD.
DAILY DRILLING REPORT
 CONTRACTOR BEAVER DRILLING
 SERVICE/ROTARY RIG NO. 3

DATE JAN. 17 / 1970
 FIELD WILCOAT
 LEASE CAN. SUP. 11712
 WELL NO. 11712
 PROVINCE N.W.T.

MIDNIGHT TO 8:00 A.M.				TOUR DRILLING, RATHOLING & REAMING RECORD				SIGNED _____			
WEATHER		TEMP		FROM	TO	HOURS	WEIGHT	FORMATION		TIME	WT.
DETAILS OF DRILLING STRING				BIT AND CORE HEAD RECORD				DETAILS OF MUD TESTS			
STDS.	SLGS.	SIZE	LENGTH	BIT NO.	SIZE	MAKE	SERIAL	FOOTAGE	HOURS	TIME	WT.
D.P.											
D.C.											
SUBS				INCLINATION AND DIRECTIONAL SURVEYS				DETAILS OF MUD ADDITIVES			
				MAKE AND TYPE DEPTH DEGREE AND DIRECTION				MATERIAL LBS. MATERIAL LBS.			
KELLY LENGTH											
TOTAL ON HOOK											
UP ON KELLY											
TOTAL DEPTH											
REMARKS				FROM TO				DESCRIPTION OF WORK PERFORMED			
				12:00 8:00				CTF. HOLE & WAIT ON HALL BURTON			
								CERAMIC UNIT.			

8:00 A.M. TO 4:00 P.M.				TOUR DRILLING, RATHOLING & REAMING RECORD				SIGNED _____			
WEATHER		TEMP		FROM	TO	HOURS	WEIGHT	FORMATION		TIME	WT.
DETAILS OF DRILLING STRING				BIT AND CORE HEAD RECORD				DETAILS OF MUD TESTS			
STDS.	SLGS.	SIZE	LENGTH	BIT NO.	SIZE	MAKE	SERIAL	FOOTAGE	HOURS	TIME	WT.
D.P.											
D.C.											
SUBS				INCLINATION AND DIRECTIONAL SURVEYS				DETAILS OF MUD ADDITIVES			
				MAKE AND TYPE DEPTH DEGREE AND DIRECTION				MATERIAL LBS. MATERIAL LBS.			
KELLY LENGTH											
TOTAL ON HOOK											
UP ON KELLY											
TOTAL DEPTH											
REMARKS				FROM TO				DESCRIPTION OF WORK PERFORMED			
3153 - 2400 2400				8:00 8:15				RIG SERVICED B.O.P			
Canadian Construction Cement				8:15 1:15				CIRC & WAIT ON HALL BURTON			
87c Quagail 12.9" slurry				1:15 1:30				REPAIRS			
plug in place 2:00 P.M.				1:30 2:00				RIG UP TO RUN PLUG #1			
Jan 11 1970				2:00 2:30				RUNNING PLUG #1 & PUMP DOWN			
(No Fail)				2:30 3:00				HOIST OUT			
				3:00 3:30				RUN IN HOLE TO RUN PLUG #2			
				3:30 4:00				RUNNING PLUG #2 & PUMP DOWN			

4:00 P.M. TO MIDNIGHT				TOUR DRILLING, RATHOLING & REAMING RECORD				SIGNED _____			
WEATHER		TEMP		FROM	TO	HOURS	WEIGHT	FORMATION		TIME	WT.
DETAILS OF DRILLING STRING				BIT AND CORE HEAD RECORD				DETAILS OF MUD TESTS			
STDS.	SLGS.	SIZE	LENGTH	BIT NO.	SIZE	MAKE	SERIAL	FOOTAGE	HOURS	TIME	WT.
D.P.											
D.C.											
SUBS				INCLINATION AND DIRECTIONAL SURVEYS				DETAILS OF MUD ADDITIVES			
				MAKE AND TYPE DEPTH DEGREE AND DIRECTION				MATERIAL LBS. MATERIAL LBS.			
KELLY LENGTH											
TOTAL ON HOOK											
UP ON KELLY											
TOTAL DEPTH											
REMARKS				FROM TO				DESCRIPTION OF WORK PERFORMED			
Run abandonment plug #2				4:00 12:00				WAIT ON CEMENT & LAY			
520 - 720 120 sacks cement								PIPE			
Cement 2 1/2% P.C. 11" slurry											
plug in place @ 3:57 P.M.											
Jan 17 1970											
fill plug #2 after 8 hrs											
@ 418 K.B.											
daily water 170" acc 5741"											
mud N.I. acc 4006"											
well 8597" acc 42,242"											
A. Beatham CUN. SUP. REP.				BOILER USED THIS 24 HOURS?				TOOLPUSH			

SURF. CSG. SIZE 10 3/4 "AT 270
 INTER. CSG. SIZE "AT
 K.B. ELEV. 4.74
 GROUND ELEV. 8.15
 K.B. TO CSG. FLANGE 1406

CANADIAN SUPERIOR OIL LTD.
DAILY DRILLING REPORT
 CONTRACTOR BEAVER DRILLING
 SERVICE/ROTARY RIG NO. 3

DATE JAN 15/1970
 FIELD WILGATE
 LEASE CAN SUP OIL
 WELL NO. SEAN 001-17
 PROVINCE ALB.

MIDNIGHT TO 8:00 A.M.				TOUR DRILLING, RATHOLING & REAMING RECORD				SIGNED <u>P. Schaff</u> DRILLER							
WEATHER		TEMP		FROM	TO	HOURS	WEIGHT	FORMATION		TIME	WT.	VIS.	W.L.	CAKE	PH
				3153											
DETAILS OF DRILLING STRING				DETAILS OF MUD TESTS											
STDS.	SLGS.	SIZE	LENGTH												
D.P.	40	1	4 1/2	2540	10										
D.C.	10		6 1/4	596	70										
SUBS				DETAILS OF MUD ADDITIVES											
				MATERIAL LBS. MATERIAL LBS.											
KELLY LENGTH				38	00										
TOTAL ON HOOK				3184	80										
UP ON KELLY				21	00										
TOTAL DEPTH				3153	80										
REMARKS				DESCRIPTION OF WORK PERFORMED											
To T.D. surface 1406				13:00	1:00	LOGGING & REC OUT LOGGERS									
From K.H.C. surface 1406				1:00	3:15	RUN IN HOLE									
2.45 surface 1406				3:15	3:45	BREAK CIRC & CLEAN TO 20' F. 11									
From formation surface 1406				3:45	5:15	CIRC HOLE TO 20' F. 11									
To T.D. surface 1406				5:15	7:00	PULL OUT OF HOLE TO 100'									
To T.D. surface 1406				7:00	8:00	WAIT ON SCHLUMBERGER TOOL									

8:00 A.M. TO 4:00 P.M.				TOUR DRILLING, RATHOLING & REAMING RECORD				SIGNED <u>P. Schaff</u> DRILLER							
WEATHER		TEMP		FROM	TO	HOURS	WEIGHT	FORMATION		TIME	WT.	VIS.	W.L.	CAKE	PH
				3153	T.D.										
DETAILS OF DRILLING STRING				DETAILS OF MUD TESTS											
STDS.	SLGS.	SIZE	LENGTH												
D.P.	40	1	4 1/2	2540	10										
D.C.	10		6 1/4	596	70										
SUBS				DETAILS OF MUD ADDITIVES											
				MATERIAL LBS. MATERIAL LBS.											
KELLY LENGTH				38	00										
TOTAL ON HOOK				3184	80										
UP ON KELLY				21	00										
TOTAL DEPTH				3153	80										
REMARKS				DESCRIPTION OF WORK PERFORMED											
Foot down 710				9:00	9:15	WAIT ON SCHLUMBERGER TOOL									
Foot down 2482				9:15	9:30	REC TO RUN LOG									
Hole 2.5				9:30	1:30	LOGGING W/ SCHLUMBERGER									
Hole 2.5				1:30	2:00	TEAR OUT LOGGERS & LOAD OUT SAND									
Hole 2.5				2:00	3:45	WAIT ON ORDERS									
Hole 2.5				3:45	4:00	START IN HOLE									

4:00 P.M. TO MIDNIGHT				TOUR DRILLING, RATHOLING & REAMING RECORD				SIGNED <u>P. Schaff</u> DRILLER							
WEATHER		TEMP		FROM	TO	HOURS	WEIGHT	FORMATION		TIME	WT.	VIS.	W.L.	CAKE	PH
				3153	T.D.										
DETAILS OF DRILLING STRING				DETAILS OF MUD TESTS											
STDS.	SLGS.	SIZE	LENGTH												
D.P.	40	1	4 1/2	2540	10										
D.C.	10		6 1/4	596	70										
SUBS				DETAILS OF MUD ADDITIVES											
				MATERIAL LBS. MATERIAL LBS.											
KELLY LENGTH				38	00										
TOTAL ON HOOK				3184	80										
UP ON KELLY				21	00										
TOTAL DEPTH				3153	80										
REMARKS				DESCRIPTION OF WORK PERFORMED											
To T.D. surface 1406				4:00	5:45	RUN IN HOLE									
To T.D. surface 1406				5:45	6:15	BREAK CIRC & CLEAN TO 20' F. 11									
To T.D. surface 1406				6:15	7:00	CIRC TO 20' F. 11									
To T.D. surface 1406				7:00	9:00	PULL OUT OF HOLE									
To T.D. surface 1406				9:00	10:30	LAY DOWN 10 COMPARS									
To T.D. surface 1406				10:30	12:00	WAIT ON ORDERS									

SURF. CSG. SIZE 10 3/4" AT 420
 INTER. CSG. SIZE "AT
 K.B. ELEV. 771
 GROUND ELEV. 965
 K.B. TO CSG. FLANGE 1400

CANADIAN SUPERIOR OIL LTD.
DAILY DRILLING REPORT
 CONTRACTOR BEAVER DRILLING
 SERVICE/ROTARY RIG NO. 3

DATE June 1, 1960
 FIELD WILLIAMS
 LEASE WILLIAMS
 WELL NO. 2201
 PROVINCE N.W.T.

MIDNIGHT TO 8:00 A.M.				TOUR DRILLING, RATHOLING & REAMING RECORD				SIGNED <u>W. C. Quinn</u> DRILLER			
WEATHER		TEMP		FROM	TO	HOURS	WEIGHT	FORMATION		DETAILS OF MUD TESTS	
										TIME	WT.
				3177	2271	7	5110			15:00	9.0
DETAILS OF DRILLING STRING				BIT AND CORE HEAD RECORD				DETAILS OF MUD ADDITIVES			
STDS.	SLGS.	SIZE	LENGTH	BIT NO.	SIZE	MAKE	SERIAL	FOOTAGE	HOURS	MATERIAL	WT.
D.P.	30		132030	2	8 3/4	X3A	1646	1069	36	1-1	2500
D.C.	7	1 1/4	41089								
SUBS	10	6 1/4	239								
KELLY LENGTH				INCLINATION AND DIRECTIONAL SURVEYS				DESCRIPTION OF WORK PERFORMED			
TOTAL ON HOOK				MAKE AND TYPE							
UP ON KELLY				DEPTH							
TOTAL DEPTH				DEGREE AND DIRECTION							
REMARKS				To Tco				2201 4 3/4			
				1200 1215				Rig Scr			
				1215 1230				Survey			
				1230 400				Drill 8 3/4 hole			
				400 415				Survey			
				415				Drill 8 3/4 hole			
				730 745				with 5000 lbs wt			
				745 800				Survey			
								Drill 8 3/4 hole			

8:00 A.M. TO 4:00 P.M.				TOUR DRILLING, RATHOLING & REAMING RECORD				SIGNED <u>P. L. Latham</u> DRILLER			
WEATHER		TEMP		FROM	TO	HOURS	WEIGHT	FORMATION		DETAILS OF MUD TESTS	
										TIME	WT.
				2271	2445	7	1277			9:00	9.1
DETAILS OF DRILLING STRING				BIT AND CORE HEAD RECORD				DETAILS OF MUD ADDITIVES			
STDS.	SLGS.	SIZE	LENGTH	BIT NO.	SIZE	MAKE	SERIAL	FOOTAGE	HOURS	MATERIAL	WT.
D.P.	33		200976	2	8 3/4	X3A	1646	1242	113	1-1	400
D.C.	7		41089								
SUBS	10		239								
KELLY LENGTH				INCLINATION AND DIRECTIONAL SURVEYS				DESCRIPTION OF WORK PERFORMED			
TOTAL ON HOOK				MAKE AND TYPE							
UP ON KELLY				DEPTH							
TOTAL DEPTH				DEGREE AND DIRECTION							
REMARKS				To Tco				2201 4 3/4			
				8:00 9:15				DRILL 8 3/4 HOLE			
				9:15 9:30				RIG SERVO B.O.P.S.			
				9:30 11:00				DRILL 8 3/4 HOLE			
				11:00 11:15				SURVEY @ 2335 1°			
				11:15 1:15				DRILL 8 3/4 HOLE			
				1:15 1:30				WORK ON 1-250 RUD PUMP			
				1:30 2:15				DRILL 8 3/4 HOLE			
				2:15 2:30				SURVEY @ 2342 4 1/2°			
				2:30 4:00				DRILL 8 3/4 HOLE			

4:00 P.M. TO MIDNIGHT				TOUR DRILLING, RATHOLING & REAMING RECORD				SIGNED <u>E. Cooper</u> DRILLER			
WEATHER		TEMP		FROM	TO	HOURS	WEIGHT	FORMATION		DETAILS OF MUD TESTS	
										TIME	WT.
				2445	2523	3	130			4:00	9.3
DETAILS OF DRILLING STRING				BIT AND CORE HEAD RECORD				DETAILS OF MUD ADDITIVES			
STDS.	SLGS.	SIZE	LENGTH	BIT NO.	SIZE	MAKE	SERIAL	FOOTAGE	HOURS	MATERIAL	WT.
D.P.	33	4 1/2	207276	2	8 3/4	H.W.	1646	1319	46	1-1	2500
D.C.	7	6 1/4	41089								
SUBS	10	6 1/4	239								
KELLY LENGTH				INCLINATION AND DIRECTIONAL SURVEYS				DESCRIPTION OF WORK PERFORMED			
TOTAL ON HOOK				MAKE AND TYPE							
UP ON KELLY				DEPTH							
TOTAL DEPTH				DEGREE AND DIRECTION							
REMARKS				To Tco				2201 4 3/4			
				4:00 4:30				DRILL 8 3/4 HOLE			
				4:30 5:00				WORK PIPE SURVEY & RIG SER			
				5:00 6:15				DRILL 8 3/4 HOLE			
				6:15 7:15				CIRC UP BOTTOM HOLE SAMPLE			
				7:15 8:45				DRILL 8 3/4 HOLE			
				8:45 9:15				CIRC UP BOTTOM HOLE SAMPLE			
				9:15 9:30				SURVEY @ 2523 3 1/2°			
				9:30 12:00				STRAP OUT TIGHT HOLE			

SURF. CSG. SIZE <u>10 1/4" AT 470</u> INTER. CSG. SIZE <u> </u> "AT <u> </u> K.B. ELEV. <u>771</u> GROUND ELEV. <u>715</u> K.B. TO CSG. FLANGE <u>1400</u>		CANADIAN SUPERIOR OIL LTD. DAILY DRILLING REPORT CONTRACTOR <u>Beaver Drilling</u> SERVICE/ROTARY RIG NO. <u>3</u>		DATE <u>JAN 5 1970</u> FIELD <u>WILKAT</u> LEASE <u>1000 KM</u> WELL NO. <u>7000 HALL</u> PROVINCE <u>W. W. T.</u>	
MIDNIGHT TO 8:00 A.M.		TOUR DRILLING, RATHOLING & REAMING RECORD FROM <u>1455</u> TO <u>1704</u> HOURS <u>7 1/4</u> WEIGHT <u>2500</u> FORMATION <u> </u>		SIGNED <u> </u> DRILLER <u> </u>	
WEATHER <u> </u> TEMP <u> </u>		DETAILS OF DRILLING STRING STDS. SLGS. SIZE LENGTH D.P. <u>21</u> <u> </u> <u>1 1/4</u> <u>1255</u> D.C. <u>7</u> <u> </u> <u>1 1/4</u> <u>410</u> SUBS <u>80</u> <u> </u> <u>1 1/4</u> <u>38</u>		DETAILS OF MUD TESTS TIME WT. VIS. W.L. CAKE PH <u>1:00</u> <u>9.1</u> <u>32</u> <u> </u> <u> </u> <u> </u> <u>2:00</u> <u>9.0</u> <u>32</u> <u> </u> <u> </u> <u> </u> <u>4:00</u> <u>9.1</u> <u>48</u> <u> </u> <u> </u> <u> </u> <u>1:00</u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u>	
KELLY LENGTH <u>69 00</u> TOTAL ON HOOK <u>1704 82</u> UP ON KELLY <u>0</u> TOTAL DEPTH <u>1704 82</u>		BIT AND CORE HEAD RECORD BIT NO. <u>2</u> SIZE <u>9 3/4</u> MAKE <u>X3A</u> SERIAL <u>16466</u> FOOTAGE <u>502</u> HOURS <u>14</u>		DETAILS OF MUD ADDITIVES MATERIAL LBS. MATERIAL LBS. <u> </u> <u> </u> <u> </u> <u> </u>	
REMARKS <u> </u>		INCLINATION AND DIRECTIONAL SURVEYS MAKE AND TYPE DEPTH DEGREE AND DIRECTION <u>TOTCO</u> <u>1518</u> <u>10</u> <u>TOTCO</u> <u>1675</u> <u>1 1/4</u>		DESCRIPTION OF WORK PERFORMED <u>12:00 12:15 RIG SERV</u> <u>12:15 1:15 DRILL 9 3/4 HOLE</u> <u>1:15 1:30 SURVEY</u> <u>1:30 1:15 DRILL 9 3/4 HOLE</u> <u>1:15 1:30 SURVEY</u> <u>1:30 2:00 DRILL 9 3/4 HOLE</u>	
8:00 A.M. TO 4:00 P.M.		TOUR DRILLING, RATHOLING & REAMING RECORD FROM <u>1706</u> TO <u>1936</u> HOURS <u>7 1/2</u> WEIGHT <u>2400</u> FORMATION <u> </u>		SIGNED <u>P. S. Hoffer</u> DRILLER <u> </u>	
WEATHER <u> </u> TEMP <u> </u>		DETAILS OF DRILLING STRING STDS. SLGS. SIZE LENGTH D.P. <u>25</u> <u> </u> <u>4 1/2</u> <u>1506</u> D.C. <u>7</u> <u> </u> <u>6 1/2</u> <u>410</u> SUBS <u>80</u> <u> </u> <u>6 1/2</u> <u>2 24</u>		DETAILS OF MUD TESTS TIME WT. VIS. W.L. CAKE PH <u>8:00</u> <u>9.1</u> <u>41</u> <u> </u> <u> </u> <u> </u> <u>10:00</u> <u>9.1</u> <u>42</u> <u> </u> <u> </u> <u> </u> <u>12:00</u> <u>9.0</u> <u>38</u> <u> </u> <u> </u> <u> </u> <u>2:00</u> <u>9.0</u> <u>40</u> <u> </u> <u> </u> <u> </u>	
KELLY LENGTH <u>38 00</u> TOTAL ON HOOK <u>1936 47</u> UP ON KELLY <u>22 00</u> TOTAL DEPTH <u>1936 47</u>		BIT AND CORE HEAD RECORD BIT NO. <u>2</u> SIZE <u>9 3/4</u> MAKE <u>X3A</u> SERIAL <u>16466</u> FOOTAGE <u>732</u> HOURS <u>21 1/2</u>		DETAILS OF MUD ADDITIVES MATERIAL LBS. MATERIAL LBS. <u>656</u> <u>2700</u>	
REMARKS <u> </u>		INCLINATION AND DIRECTIONAL SURVEYS MAKE AND TYPE DEPTH DEGREE AND DIRECTION <u>TOTCO</u> <u>1826</u> <u>1 1/8</u>		DESCRIPTION OF WORK PERFORMED <u>8:00 9:05 DRILL 4 1/2" HOLE</u> <u>9:05 9:20 RIG SERV. K.B. 0.45</u> <u>9:20 1:15 DRILL 4 1/2" HOLE</u> <u>1:15 1:30 SURVEY @ 1826 1 1/8</u> <u>1:30 11:00 DRILL 9 3/4" HOLE</u>	
4:00 P.M. TO MIDNIGHT		TOUR DRILLING, RATHOLING & REAMING RECORD FROM <u>1936</u> TO <u>2177</u> HOURS <u>2 1/2</u> WEIGHT <u>3000</u> FORMATION <u>SHALE</u>		SIGNED <u>E. Cooper</u> DRILLER <u> </u>	
WEATHER <u> </u> TEMP <u> </u>		DETAILS OF DRILLING STRING STDS. SLGS. SIZE LENGTH D.P. <u>28</u> <u>1</u> <u>4 1/2</u> <u>1726</u> D.C. <u>7</u> <u> </u> <u>6 1/4</u> <u>410</u> SUBS <u>80</u> <u> </u> <u>6 1/4</u> <u>2 38</u>		DETAILS OF MUD TESTS TIME WT. VIS. W.L. CAKE PH <u>4:00</u> <u>9.0</u> <u>35</u> <u> </u> <u> </u> <u> </u> <u>6:00</u> <u>9.1</u> <u>42</u> <u> </u> <u> </u> <u> </u> <u>8:00</u> <u>9.1</u> <u>45</u> <u> </u> <u> </u> <u> </u> <u>10:00</u> <u>9.1</u> <u>42</u> <u> </u> <u> </u> <u> </u>	
KELLY LENGTH <u>38 00</u> TOTAL ON HOOK <u>2177 94</u> UP ON KELLY <u>0</u> TOTAL DEPTH <u>2177 94</u>		BIT AND CORE HEAD RECORD BIT NO. <u>2</u> SIZE <u>9 3/4</u> MAKE <u>X3A</u> SERIAL <u>16466</u> FOOTAGE <u>473</u> HOURS <u>29</u>		DETAILS OF MUD ADDITIVES MATERIAL LBS. MATERIAL LBS. <u>651</u> <u>4700</u>	
REMARKS <u> </u>		INCLINATION AND DIRECTIONAL SURVEYS MAKE AND TYPE DEPTH DEGREE AND DIRECTION <u>TOTCO</u> <u>1954</u> <u>1 1/8</u>		DESCRIPTION OF WORK PERFORMED <u>4:00 4:15 RIG SERV</u> <u>4:15 7:00 DRILL 9 3/4 HOLE</u> <u>7:00 7:15 WORK RIG & SURVEY @ 1954 1 1/8</u> <u>7:15 12:00 DRILL 9 3/4 HOLE</u>	
SIGNATURE <u>A. Ruthmann</u> JUN. SUP. REP.		BOILER USED THIS 24 HOURS? <u> </u>		SIGNATURE <u>E. Cooper</u> TOOLPUSH	

[illegible]

SURF. CSG. SIZE 10 3/4 "AT 470				CANADIAN SUPERIOR OIL LTD.				DATE 01 Jan 1960			
INTER. CSG. SIZE 7.74 "AT				DAILY DRILLING REPORT				FIELD WILD CAT			
K.B. ELEV. 7.65				CONTRACTOR BEQUER Drilling				LEASE LAM SUP K115			
GROUND ELEV. 14.00				SERVICE/ROTARY RIG NO. 3				WELL NO. JOHN MARIE			
K.B. TO CSG. FLANGE								PROVINCE N.W.T.			
MIDNIGHT TO 8:00 A.M.				TOUR DRILLING, RATHOLING & REAMING RECORD				1111 Quinn			
WEATHER		TEMP		FROM	TO	HOURS	WEIGHT	FORMATION		SIGNED	
				470	577	1 1/4	13m			DRILLER	
DETAILS OF DRILLING STRING				DETAILS OF MUD TESTS				DETAILS OF MUD ADDITIVES			
STDS.	SLGS.	SIZE	LENGTH	TIME	WT.	VIS.	W.L.	CAKE	PH		
D.P.	2		124 17								
D.C.	7		410 74							WATER	
SUBS change 6 1/4 2 31				BIT AND CORE HEAD RECORD				DETAILS OF MUD ADDITIVES			
				BIT NO.	SIZE	MAKE	SERIAL	FOOTAGE	HOURS		
				1	8 3/4	X 3 A	11668	101	1 1/4		
KELLY LENGTH 37 00				INCLINATION AND DIRECTIONAL SURVEYS				MATERIAL LBS.			
TOTAL ON HOOK 577 44				MAKE AND TYPE DEPTH				MATERIAL LBS.			
UP ON KELLY 0 00				DEGREE AND DIRECTION							
TOTAL DEPTH 577 44											
REMARKS Pressure test blank run				FROM TO				DESCRIPTION OF WORK PERFORMED			
@ 1500 PSI for 15 min O.K.				1200 1230				W. Vipple up B.O.E.			
Pressure test 2 pipe runs				12 100				Pressure blind runs 1500 for 15 min.			
for 15 minutes O.K. @ 1500 PSI				100 300				Run in bit 1 measure caliper break			
Pressure test 1 1/4" bit @								+ dope all collars			
1500 PSI for 15 minutes				300 430				Drill out cement plugs + float collar			
Top of cement 418				430 530				Pressure test pipe runs 11, 5, 11			
Top of float collar 428								1500 lbs. acid 15 min check into shut off			
Shoe @ 470				530 630				Drill cement + shoe			
Check motor shut off O.K.				630 640				Clean Tank. Displace hole			
				640 700				Drill 8 3/4" hole			
8:00 A.M. TO 4:00 P.M.				TOUR DRILLING, RATHOLING & REAMING RECORD				P. Schaffner			
WEATHER		TEMP		FROM	TO	HOURS	WEIGHT	FORMATION		SIGNED	
				577	777	7	12-15M			DRILLER	
DETAILS OF DRILLING STRING				DETAILS OF MUD TESTS				DETAILS OF MUD ADDITIVES			
STDS.	SLGS.	SIZE	LENGTH	TIME	WT.	VIS.	W.L.	CAKE	PH		
D.P.	3		343 71	9:00	8.6	30					
D.C.	7		410 84	10:00	8.6	30					
SUBS X 0 6 1/4 2 38				BIT AND CORE HEAD RECORD				DETAILS OF MUD ADDITIVES			
				BIT NO.	SIZE	MAKE	SERIAL	FOOTAGE	HOURS		
				1	8 3/4	X 3 A	17868	307	8 1/2		
KELLY LENGTH 32 00				INCLINATION AND DIRECTIONAL SURVEYS				MATERIAL LBS.			
TOTAL ON HOOK 776 98				MAKE AND TYPE DEPTH				MATERIAL LBS.			
UP ON KELLY 19 00				DEGREE AND DIRECTION							
TOTAL DEPTH 777 98											
REMARKS				FROM TO				DESCRIPTION OF WORK PERFORMED			
				4:00 4:15				RIG SERU. F B.O.P.S.			
				8:15 2:30				DRILL 8 3/4" HOLE			
				2:30 3:00				WORK ON C 250 MUD PUMP			
				3:00 3:15				DRILL 8 3/4" HOLE			
				3:15 3:30				WORK ON C 250 MUD PUMP			
				3:30 4:00				DRILL 8 3/4" HOLE			
4:00 P.M. TO MIDNIGHT				TOUR DRILLING, RATHOLING & REAMING RECORD				B. Cooper			
WEATHER		TEMP		FROM	TO	HOURS	WEIGHT	FORMATION		SIGNED	
				777	953	15 1/2	12-15	SHALE		DRILLER	
DETAILS OF DRILLING STRING				DETAILS OF MUD TESTS				DETAILS OF MUD ADDITIVES			
STDS.	SLGS.	SIZE	LENGTH	TIME	WT.	VIS.	W.L.	CAKE	PH		
D.P.	8		502.30	4:15	8.6	29					
D.C.	7		410 89	6:00	8.6	29					
SUBS X 0 6 1/4 2 38				BIT AND CORE HEAD RECORD				DETAILS OF MUD ADDITIVES			
				BIT NO.	SIZE	MAKE	SERIAL	FOOTAGE	HOURS		
				1	8 3/4	X 3 A	11668	483	15 1/2		
KELLY LENGTH 38 00				INCLINATION AND DIRECTIONAL SURVEYS				MATERIAL LBS.			
TOTAL ON HOOK 953 57				MAKE AND TYPE DEPTH				MATERIAL LBS.			
UP ON KELLY 5				10010 165 1 1/4							
TOTAL DEPTH 953 57											
REMARKS				FROM TO				DESCRIPTION OF WORK PERFORMED			
Daily water cost 330.00 @ 1900.00				4:15 4:15				RIG SER			
Daily mud cost N.T. @ 681.00				4:15 5:15				DRILL 8 3/4" HOLE			
Daily well cost 3217 @ 3800.00				5:15 5:45				WORK PIPE & SURVEY @ 365			
				5:45 12:00				DRILL 8 3/4" HOLE			
CON. SUP. REP.				BOILER USED THIS 24 HOURS?				TOOLPUSH			

SURF. CSG. SIZE _____ "AT _____ INTER. CSG. SIZE _____ "AT _____ K.B. ELEV. <u>877</u> GROUND ELEV. <u>965</u> K.B. TO CSG. FLANGE _____		CANADIAN SUPERIOR OIL LTD. DAILY DRILLING REPORT CONTRACTOR <u>RODGER</u> SERVICE/ROTARY RIG NO. <u>3</u>		DATE <u>JUN 1 1960</u> FIELD <u>WILSON</u> LEASE <u>Can Sup K.M.C.</u> WELL NO. <u>SEAN 11411C</u> PROVINCE <u>ALBERTA</u>	
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MIDNIGHT TO 8:00 A.M.		TOUR DRILLING, RATHOLING & REAMING RECORD					SIGNED <u>P. J. L. L. L.</u> DRILLER DETAILS OF MUD TESTS <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>TIME</th> <th>WT.</th> <th>VIS.</th> <th>W.L.</th> <th>CAKE</th> <th>PH</th> </tr> <tr> <td>2 AM</td> <td></td> <td>30</td> <td></td> <td></td> <td></td> </tr> <tr> <td>4 AM</td> <td></td> <td>35</td> <td></td> <td></td> <td></td> </tr> <tr> <td>6 AM</td> <td></td> <td>45</td> <td>90</td> <td></td> <td></td> </tr> </table>					TIME	WT.	VIS.	W.L.	CAKE	PH	2 AM		30				4 AM		35				6 AM		45	90		
TIME	WT.	VIS.	W.L.	CAKE	PH																														
2 AM		30																																	
4 AM		35																																	
6 AM		45	90																																
WEATHER	TEMP	FROM	TO	HOURS	WEIGHT	FORMATION																													
		71	200	129	10m	Sand																													

DETAILS OF DRILLING STRING		BIT AND CORE HEAD RECORD					DETAILS OF MUD ADDITIVES						
STDS.	SLGS.	SIZE	LENGTH	BIT NO.	SIZE	MAKE	SERIAL	FOOTAGE	HOURS	MATERIAL	LBS.	MATERIAL	LBS.
D.P.	0	6	176	1A	15	OSC-3	10114	200	11 3/4	CAUSTIC	150	Gel	1300
D.C.	6	6 1/4	176										
SUBS			5										

KELLY LENGTH <u>38 00</u>		TOTAL ON HOOK <u>22m 219 80</u>		ON KELLY <u>14 00</u>		TOTAL DEPTH <u>200 40</u>	
REMARKS		ToTCo		ToTCo		ToTCo	

8:00 A.M. TO 4:00 P.M.		TOUR DRILLING, RATHOLING & REAMING RECORD					SIGNED <u>P. J. L. L. L.</u> DRILLER DETAILS OF MUD TESTS <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>TIME</th> <th>WT.</th> <th>VIS.</th> <th>W.L.</th> <th>CAKE</th> <th>PH</th> </tr> <tr> <td>8 AM</td> <td>9.0</td> <td>30</td> <td></td> <td></td> <td></td> </tr> <tr> <td>10 AM</td> <td>9.0</td> <td>30</td> <td></td> <td></td> <td></td> </tr> <tr> <td>12:00</td> <td>9.2</td> <td>33</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2:00</td> <td>9.3</td> <td>33</td> <td></td> <td></td> <td></td> </tr> </table>					TIME	WT.	VIS.	W.L.	CAKE	PH	8 AM	9.0	30				10 AM	9.0	30				12:00	9.2	33				2:00	9.3	33			
TIME	WT.	VIS.	W.L.	CAKE	PH																																				
8 AM	9.0	30																																							
10 AM	9.0	30																																							
12:00	9.2	33																																							
2:00	9.3	33																																							
WEATHER	TEMP	FROM	TO	HOURS	WEIGHT	FORMATION																																			
		200	368	6 3/4	10m																																				

DETAILS OF DRILLING STRING		BIT AND CORE HEAD RECORD					DETAILS OF MUD ADDITIVES						
STDS.	SLGS.	SIZE	LENGTH	BIT NO.	SIZE	MAKE	SERIAL	FOOTAGE	HOURS	MATERIAL	LBS.	MATERIAL	LBS.
D.P.	1	4 1/2	31	1A	15	OSC-3	10114	368	18 1/2				
D.C.	10	6 1/4	298										
SUBS			5										

KELLY LENGTH <u>38</u>		TOTAL ON HOOK <u>368 26</u>		ON KELLY <u>0</u>		TOTAL DEPTH <u>368 26</u>	
REMARKS		ToTCo		ToTCo		ToTCo	

4:00 P.M. TO MIDNIGHT		TOUR DRILLING, RATHOLING & REAMING RECORD					SIGNED <u>E. Cooper</u> DRILLER DETAILS OF MUD TESTS <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>TIME</th> <th>WT.</th> <th>VIS.</th> <th>W.L.</th> <th>CAKE</th> <th>PH</th> </tr> <tr> <td>4:00</td> <td>9.3</td> <td>33</td> <td></td> <td></td> <td></td> </tr> <tr> <td>6:00</td> <td>9.3</td> <td>34</td> <td></td> <td></td> <td></td> </tr> <tr> <td>8:00</td> <td>9.3</td> <td>43</td> <td></td> <td></td> <td></td> </tr> </table>					TIME	WT.	VIS.	W.L.	CAKE	PH	4:00	9.3	33				6:00	9.3	34				8:00	9.3	43			
TIME	WT.	VIS.	W.L.	CAKE	PH																														
4:00	9.3	33																																	
6:00	9.3	34																																	
8:00	9.3	43																																	
WEATHER	TEMP	FROM	TO	HOURS	WEIGHT	FORMATION																													
		368	470	22 1/4	10m																														

DETAILS OF DRILLING STRING		BIT AND CORE HEAD RECORD					DETAILS OF MUD ADDITIVES						
STDS.	SLGS.	SIZE	LENGTH	BIT NO.	SIZE	MAKE	SERIAL	FOOTAGE	HOURS	MATERIAL	LBS.	MATERIAL	LBS.
D.P.	2	4 1/2	157	1A	15	H.W.	10114	470	22 1/4	GEL	2600		
D.C.	10	6 1/4	293										
SUBS			5										

KELLY LENGTH <u>38.00</u>		TOTAL ON HOOK <u>493 83</u>		ON KELLY <u>23.00</u>		TOTAL DEPTH <u>470.33</u>	
REMARKS		ToTCo		ToTCo		ToTCo	

8 HRS TOTAL		TOOLPUSH				
BOILER USED THIS 24 HOURS?		TOOLPUSH				

[illegible]

Form 126

SURF. CSG. SIZE 16 3/4 "AT 470
 INTER. CSG. SIZE _____ "AT _____
 K.B. ELEV. 8.78
 GROUND ELEV. 4.65
 K.B. TO CSG. FLANGE 14 00

CANADIAN SUPERIOR OIL LTD.
DAILY DRILLING REPORT
 CONTRACTOR BEAVER DRILLING
 SERVICE/ROTARY RIG NO. 3

DATE JAN 14/1970
 FIELD WISCONSIN
 LEASE CON SUP 11116
 WELL NO. TECH MARK 6-7
 PROVINCE N.W.T.

MIDNIGHT TO 8:00 A.M.

TOUR DRILLING, RATHOLING & REAMING RECORD

FROM TO HOURS WEIGHT FORMATION

3145 3153 2 1/2 4001

WEATHER

TEMP

DETAILS OF DRILLING STRING

STD. SGLS. SIZE LENGTH
 D.P. 40 1 4 1/2 2540 10
 D.C. 10 - 6 1/4 596 70

SUBS

BIT AND CORE HEAD RECORD

BIT NO. SIZE MAKE SERIAL FOOTAGE HOURS
1 3 3/4 WAT 15483 10 2 1/2

SIGNED

DRILLER

DETAILS OF MUD TESTS

TIME WT. VIS. W.L. CAKE PH

DETAILS OF MUD ADDITIVES

MATERIAL LBS. MATERIAL LBS.

KELLY LENGTH

38 00

TOTAL ON HOOK

3174 40

UP ON KELLY

21

TOTAL DEPTH

3153 40

INCLINATION AND DIRECTIONAL SURVEYS

MAKE AND TYPE DEPTH DEGREE AND DIRECTION

REMARKS

FROM

TO

DESCRIPTION OF WORK PERFORMED

12:00 12:15 RIG SEAM.
 12:15 12:15 DUMMY TRIP TO DISCHARGE HOLE
 5:15 5:30 TIGHT CEMENT BAGS
 5:30 6:30 BREAK CEMENT BAGS
 6:30 7:30 CIRC. HOLE TO 2000 TO LOG
 7:30 8:00 STRAP OUT OF HOLE TO LOG HOLE
 TIGHT 3/4 OF BOTTOM
 SINGLE
 HIT BENTONITE @ 2261 on dummy trip

8:00 A.M. TO 4:00 P.M.

TOUR DRILLING, RATHOLING & REAMING RECORD

FROM TO HOURS WEIGHT FORMATION

3153 T.D. - -

WEATHER

TEMP

DETAILS OF DRILLING STRING

STD. SGLS. SIZE LENGTH
 D.P. 40 1 4 1/2 2540 10
 D.C. 10 - 6 1/4 596 70

SUBS

BIT AND CORE HEAD RECORD

BIT NO. SIZE MAKE SERIAL FOOTAGE HOURS
6 3 3/4 H.W. 15483 10 2 1/4

SIGNED

DRILLER

DETAILS OF MUD TESTS

TIME WT. VIS. W.L. CAKE PH

DETAILS OF MUD ADDITIVES

MATERIAL LBS. MATERIAL LBS.

KELLY LENGTH

38 00

TOTAL ON HOOK

3174 80

UP ON KELLY

21 00

TOTAL DEPTH

3153 80

INCLINATION AND DIRECTIONAL SURVEYS

MAKE AND TYPE DEPTH DEGREE AND DIRECTION

REMARKS

FROM

TO

DESCRIPTION OF WORK PERFORMED

8:00 8:15 6000 PUMP TRIP - NO LOGGING
 8:15 11:00 HUNT FOR LUBRICANT
 11:00 11:15 RIGGING UP TO LOG
 11:15 4:00 LOGGING W/ SCHLUMBERGER

Tally 3153.90

Discharge - 3153.22

D.C. 0000.68

No Connection made

4:00 P.M. TO MIDNIGHT

TOUR DRILLING, RATHOLING & REAMING RECORD

FROM TO HOURS WEIGHT FORMATION

3153 T.D. - -

WE

SURF. CSG. SIZE 10 3/4 "AT 1170
 INTER. CSG. SIZE _____ "AT _____
 K.B. ELEV. 4.79
 GROUND ELEV. 2.65
 K.B. TO CSG. FLANGE 14.60

CANADIAN SUPERIOR OIL LTD.

DAILY DRILLING REPORT

CONTRACTOR BEAVER DRILLING
 SERVICE/STARY RIG NO. 3

DATE JAN 12/1970
 FIELD WILCOAT
 LEASE CAN SUP 1170
 WELL NO. SCA 1170-1-7
 PROVINCE N.W.T.

MIDNIGHT TO 8:00 A.M.

WEATHER		TEMP	
STDS.	SLGS.	SIZE	LENGTH
D.P.	40	4 1/2	2509 12
D.C.	10	6 1/4	596 70
SUBS			
KELLY LENGTH			
TOTAL ON HOOK			
UP ON KELLY			
TOTAL DEPTH			

TOUR DRILLING, RATHOLING & REAMING RECORD					
FROM	TO	HOURS	WEIGHT	FORMATION	
	314				
BIT AND CORE HEAD RECORD					
BIT NO.	SIZE	MAKE	SERIAL	FOOTAGE	HOURS
5	8 3/4	GAU	1473	121	17 1/2
INCLINATION AND DIRECTIONAL SURVEYS					
MAKE AND TYPE	DEPTH	DEGREE AND DIRECTION			

SIGNED		DRILLER	
TIME	WT.	DETAILS OF MUD TESTS	PH
		VIS.	W.L.
		CAKE	
DETAILS OF MUD ADDITIVES			
MATERIAL	LBS.	MATERIAL	LBS.

REMARKS

Bit stuck @ 2892.

FROM	TO	DESCRIPTION OF WORK PERFORMED
	12:00	WORK STUCK PIPE
	8:00	Work on B59R. Horner surface
		Jan 7 fishing: Tool

8:00 A.M. TO 4:00 P.M.

WEATHER		TEMP	
STDS.	SLGS.	SIZE	LENGTH
D.P.			
D.C.			
SUBS			
KELLY LENGTH			
TOTAL ON HOOK			
UP ON KELLY			
TOTAL DEPTH			

TOUR DRILLING, BATHOLING & REAMING RECORD					
FROM	TO	HOURS	WEIGHT	FORMATION	

SIGNED		DRILLER	
TIME	WT.	DETAILS OF MUD TESTS	PH
		VIS.	W.L.
		CAKE	
DETAILS OF MUD ADDITIVES			
MATERIAL	LBS.	MATERIAL	LBS.
	1400		

REMARKS

Rigged up Brown surface
 Jan. Worked for 1 1/2 hrs
 gained drilling string large
 worked down 30 feet attempt
 to establish circulation, unable
 to do so. Worked pipe up
 to 2530 where pipe came
 free. Pulled out of hole
 fishing supervised by Horner.

FROM	TO	DESCRIPTION OF WORK PERFORMED
8:00	1:30	WORK STUCK PIPE. WAIT ON
		HORNER SURFACE TAR FISHING
1:30	2:30	TOOL.
2:30	3:00	UNLOAD & MAKE UP JARS
3:00	4:00	WORKING JARS
		Attempt to circulate

4:00 P.M. TO MIDNIGHT

WEATHER		TEMP	
STDS.	SLGS.	SIZE	LENGTH
D.P.	40	4 1/2	2509 62
D.C.	10	6 1/4	596 70
SUBS			
KELLY LENGTH			
TOTAL ON HOOK			
UP ON KELL			
TOTAL DEPTH			

TOUR DRILLING, RATHOLING & REAMING RECORD					
FROM	TO	HOURS	WEIGHT	FORMATION	
BIT AND CORE HEAD RECORD					
BIT NO.	SIZE	MAKE	SERIAL	FOOTAGE	HOURS
6	8 3/4	H.W.	15483		
INCLINATION AND DIRECTIONAL SURVEYS					
MAKE AND TYPE		DEPTH	DEGREE AND DIRECTION		

SIGNED		DRILLER	
TIME	WT.	DETAILS OF MUD TESTS	PH
		VIS.	W.L.
		CAKE	
DETAILS OF MUD ADDITIVES			
MATERIAL	LBS.	MATERIAL	LBS.

REMARKS

Worked 10 minutes out @
 fishing tool on top of string
 then lowered down fishing
 tool worked similar but
 still string came free
 @ 2530 ft
 string under 2530 now 49 ft
 string 2530 now 21 ft
 well 2530 now 10222 ft

FROM	TO	DESCRIPTION OF WORK PERFORMED
1:00	6:00	JARING PIPE FREE work out of hole
6:00	10:15	HOISTING PIPE VERY SLOWLY
		E LAY DOWN 10 SINGLES
10:15	11:15	RUN IN BRIDGES OFF @ 724.
11:15	12:00	PICK UP KELLY CIRC & RUNNING
		FILE
		PIPE PULL FREE @ 2530

A. R. R. R. CON. SUP. REP.

BOILER USED THIS 24 HOURS?

C. R. R. R. TOOLPUSH

[illegible]

SURF. CSG. SIZE <u>10 3/4" AT 470</u> INTER. CSG. SIZE <u>"AT</u> K.B. ELEV. <u>9 28</u> GROUND ELEV. <u>9 65</u> K.B. TO CSG. FLANGE <u>1400</u>		CANADIAN SUPERIOR OIL LTD. DAILY DRILLING REPORT CONTRACTOR <u>Beaver Drilling</u> SERVICE/ROTARY RIG NO. <u>3</u>		DATE <u>JAN 9 1970</u> FIELD <u>WILDCAT</u> LEASE <u>CAN SUP K.M.C.</u> WELL NO. <u>Jean Marie</u> PROVINCE <u>N.W.T.</u>																																									
MIDNIGHT TO 8:00 A.M.		TOUR DRILLING, RATHOLING & REAMING RECORD		SIGNED <u>M. C. O. D.</u> DRILLER <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>TIME</th> <th>WT.</th> <th>VIS.</th> <th>W.L.</th> <th>CAKE</th> <th>PH</th> </tr> <tr> <td>12:00</td> <td>9.3</td> <td>68</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2:00</td> <td>9.2</td> <td>62</td> <td></td> <td></td> <td></td> </tr> <tr> <td>4:00</td> <td>9.2</td> <td>60</td> <td></td> <td></td> <td></td> </tr> <tr> <td>6:00</td> <td>9.2</td> <td>63</td> <td></td> <td></td> <td></td> </tr> </table>		TIME	WT.	VIS.	W.L.	CAKE	PH	12:00	9.3	68				2:00	9.2	62				4:00	9.2	60				6:00	9.2	63													
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WEATHER <u>2812</u> TEMP <u>28 15</u> HOURS <u>5</u> FORMATION <u></u>		DETAILS OF DRILLING STRING <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>STDS.</th> <th>SLGS.</th> <th>SIZE</th> <th>LENGTH</th> </tr> <tr> <td>D.P.</td> <td>35</td> <td>1</td> <td>2227 61</td> </tr> <tr> <td>D.C.</td> <td>10</td> <td>6 3/4</td> <td>596 70</td> </tr> </table>		STDS.	SLGS.	SIZE	LENGTH	D.P.	35	1	2227 61	D.C.	10	6 3/4	596 70	BIT AND CORE HEAD RECORD <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>BIT NO.</th> <th>SIZE</th> <th>MAKE</th> <th>SERIAL</th> <th>FOOTAGE</th> <th>HOURS</th> </tr> <tr> <td>4</td> <td>8 3/4</td> <td>W.O.T.</td> <td>15485</td> <td>33</td> <td>5</td> </tr> </table>		BIT NO.	SIZE	MAKE	SERIAL	FOOTAGE	HOURS	4	8 3/4	W.O.T.	15485	33	5																
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		FROM <u>12 15</u> TO <u>3 00</u>		DESCRIPTION OF WORK PERFORMED <u>Run in 5 STD + Ream 120 ft to bottom</u>																																									
		FROM <u>3 00</u> TO <u>8 00</u>		DESCRIPTION OF WORK PERFORMED <u>Drill 7 3/4 hole</u>																																									
8:00 A.M. TO 4:00 P.M.																																													
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		FROM <u>1:00</u> TO <u>1:30</u>		DESCRIPTION OF WORK PERFORMED <u>CLEAN OUT 2-250 MUD PUMP</u>																																									
		FROM <u>1:30</u> TO <u>4:00</u>		DESCRIPTION OF WORK PERFORMED <u>DRILL 8 3/4 HOLE</u>																																									
4:00 P.M. TO MIDNIGHT																																													
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		FROM <u>8:15</u> TO <u>12:00</u>		DESCRIPTION OF WORK PERFORMED <u>DRILL 8 3/4 HOLE</u>																																									
Daily mud cost 547 ⁰⁰ all 3040 ⁰⁰ Daily water 220 ⁰⁰ all 4090 ⁰⁰ Daily well 3174 ⁰⁰ all 6457 ⁰⁰																																													
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Form 126

SURF. CSG. SIZE <u>10 3/4" AT 470</u> INTER. CSG. SIZE <u> </u> " AT <u> </u> K.B. ELEV. <u>279</u> GROUND ELEV. <u>965</u> K.B. TO CSG. FLANGE <u>1400</u>		CANADIAN SUPERIOR OIL LTD. DAILY DRILLING REPORT CONTRACTOR <u>Beaver Drilling</u> SERVICE/ROTARY RIG NO. <u>3</u>		DATE <u>JAN 2 1970</u> FIELD <u>WILCAT</u> LEASE <u>CAN SUP KILLG</u> WELL NO. <u>Jean Marie</u> PROVINCE <u>ALBERTA</u>																																					
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