

CDN SUP LMG JEAN MARIE

B-48

Drilling Authority No. 362
Date Issued 25-2-69

WELL NAME Cdn Sup EMG Jean Marie B-48

FIELD

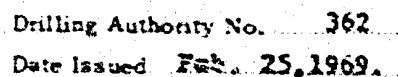
LOCATION: Unit B Area: 48
Latitude 61-27-10 Section 48 Grid 61-30-120-30
Longitude 120-38-16
From Established Reference Marker D.L.S.

U.W.L.R. 61.45278 -- 120.63777
U.W.I. 300B486130120300

Rig Release Date: 14/3/69
Status
Information Release Date

CHANGE OF NAME:

DATE RECEIVED	INDEX
25-2-69	Application for a Drilling Authority. Well Completion Data. Well History Report.
	Application to Amend a Drilling Authority.
	Application to change a Well Name.
17/4/69	Application to Abandon a Well or Suspend Drilling.
	Application to Alter Condition of a Well.
11/4/69	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



WELL COMPLETION DATA

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

Well name and number: Cdn-Sup DNE Jean Marie B-48

Permit No. 4247

Canadian Superior Oil Ltd.,

Kerr McGee, Andex
(Permitter, Licensee, Lessee)

Lease No. _____

Exploratory Licence No. 1206

Canadian Superior Oil Ltd.

Exploratory Licence No. 1206

Location: Unit

Section

Grid Lat. $61^{\circ}30'$ Long. $120^{\circ}30'$

Latitude 61°27'10" N

Longitude 120°38'16" W

From Established Reference Marker D.L.S. H.E. Corner Twp. 143, Rge. 14, W6M

Universal Well Location Reference 61.45278° N Lat. 120.63777° W Long.

	DATE	DEPTH	Pool(s)
Spudded	3/4/69		Interval(s) open to production
Suspended			
Resumed Operations			
Finished Drilling	3/14/69	2576'	
Deepened			Elevation: Gr. 505 K.B. 520
Complete (gas/oil)			Rig No. 29
Abandoned	3/16/69		Drilling Contractor Regent Drilling
Rig released	3/16/69		Contractor's Business Licence No. A2584

CASING RECORD

Casing Size (Inches)	Grade	Weight	Amount	Set at -	Sacks of Cement and Additives
1. 8 5/8"	J-55	24	467	463	300 sacks + 2 1/2% CaCl ₂
2.					
3.					
4.					
5.					
6.					

GEOLOGICAL TOPS	ELEVATION		CORE RECORD					
	Depth	Sub-Sea	From	To	Rec.	From	To	Rec.
Spence River	1693'	-1173'	1751'	1791'	38.5			
Home	1926'	-1406'						
Dolomite	2135'	-1615'						
Anhydrite	2298'	-1778'						
Precambrian	2569'	-2049'						

LOG RECORD

Run No.	Type of Log	From	To
1	Formation Density	2575'	1550'
1	Dual Induction Laterolog	2573'	463'
1	BHC Sonic Gamma	2575'	463'
1	Continuous Dipmeter	2573'	1450'
1	Directional log	2573'	463'

CEMENTING RECORD (Plug, Squeeze, etc.)				PERFORATING RECORD (Bullet, Jet)				SERVICING RECORD (Acidizing, Fracing, etc.)			
Date	From	To	Remarks	Date	From	To	Remarks	Date	From	To	Remarks
3/16/69	1780'	1680'	75 sacks - located at 1645'								
3/16/69	510'	410'	85 sacks - located at 378'								
3/16/69	Surface		5 sacks, casing cut off 3' below ground level, plate welded on top with identification marker installed.								

DRILL STEM TESTS

No.	Date	Formation	From	To	V.O. Mins.	I.S.I. Mins.	F.S.I. Mins.	I.S.L.B.H.P.	F.S.L.B.H.P.	L.F.R.H.P.	F.F.R.H.P.	I.H.P.	F.H.P.	REMARKS
1	3/9/69	Spence River	1719'	1751'	60	60	60	809	809	265	753	813	813	Gas to sfc. in 45 mins. T.B.T.M. Rec. 1700' salt water.

ANALYSIS				PRESENT STATUS OF WELL			
Lab. No.	Sample	From	To	Source	Remarks	Oil	(Interval)
CBH-2-4409	water	1719'	1751'	Core Lab. DST #1			
CNP-4-4606	core	1751'	1791'	Core #1			
						Gas	(Interval)
						Dry	XX
						Susp.	

Company *Canadian Superior Oil Co.*
Signed by *P. M. Howe*
Title *Geologist*
Date *April 11, 1969*

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



DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT

RESOURCE MANAGEMENT DIVISION

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 D&G Jean Marie 3-48**

Location: Unit **48** Section **48** Grid Lat. **61° 30'** Long. **120° 30'**

Latitude **61° 27' 10" N** Longitude **120° 38' 16" W**

From Established Reference Marker **Dominion Land Survey N.E. Corner Twp. 143, Rgs. 14, W6H.**

Universal Well Location Reference **61.45276° N Lat. 120.63777° W Long.**

Permit No. **4247** Lease No.

Canadian Superior Oil-Ref. McGee-James
(Permitter, Licensee, Lessee)

Date of commencement of proposed program **3/16/69**

OIL, GAS, AND WATER ENCOUNTERED
(Depths)

Oil at

Gas at

Water at **1719' - 1751'**

Total Depth **2576'**

Present condition of well **drilling well** Date of last operations **15th March 1969**

CASING RECORD

Casing Size O.D. Inches	Weight	Amount	Set At—	Sacks of Cement and Additives	Amount Pulled
1. 8 5/8"	24	467	463	300 sacks + 2 1/2 CaCl₂	NIL
2.					
3.					
4.					
5.					

PROPOSED ABANDONMENT PROGRAM

Plug		Geological Formation	Number of Sacks of Cement	Remarks
No.	Position			
1	1780' - 1650'	Spence River	75	Set at 1645'
2	510' - 410'	Bottom sfc. csg.	85	Set at 375'
3	Surface plug, riser and name plate			

The following logs have been run **Formation Density, Dual Induction Laterolog, EM, Sonic Gamma**
Other operations proposed **NIL**

Operations to be carried out by **Regent Drilling** Contractor Licence No. **05511 A2558**
Address **12912 - 125th Ave., Edmonton, Alta.** Address
Responsible Agent in field **G. Berthiaume**
Dated at **Red Deer, Alberta**, this **9th** Day of **April**, 19**69**
Signed by **Wm. H. Dunn** Company **Canadian Superior Oil-Ref.**
Title **General Superintendent** Operator's Exploratory Licence No. **1206**

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

(For RESOURCE MANAGEMENT DIVISION use only)

APPROVAL

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

Confirming oral approval given by Mr. B.H.J. Thoms
on the 15th March 1969, including item No. 3.

Dated **17th April**, 19**69**

(for) **[Signature]** Oil Conservation Engineer

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



DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
OIL & GAS
~~RESOURCE MANAGEMENT DIVISION~~

Application for a Drilling Authority

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

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

Name and number of well Can-Sup KMG Jean Marie B-48
 Location: Unit B Section 48 Grid Lat 61°30' Long 120°30'
 Latitude 61° 27' 10" N Longitude 120° 38' 16" W
 From Established Reference Marker Dominion Land Survey N.E. Corner Twp 143 Rge 14 W6th
 Universal Well Location Reference 61.45275° N. Lat. 120.63777° W. Long.
 Elevation: Ground 505 K.B. 521 feet above sea-level.
 Well is expected to produce from Middle Devonian Carbonates formation at a depth
 of about 2500 feet. Expected total final depth 3000
 Area assigned to well

(For Oil Conservation Engineer's use only)

Permit No. 4247 Lease No. 61,272 Acreage 61,272
 Permittee, licensee, or lessee Canadian Superior - Kerr-McGee - Andex
 Exploratory Licence No. 1206
 Surface owned by Crown or Crown
 Petroleum and natural-gas rights owned by Crown
 (If applicant 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./Yd.)	Grade	New or Used	Estimated Depth	Backs of Cement
1. <u>8-5/8"</u>	<u>24#</u>	<u>J</u>	<u>New</u>	<u>450</u>	<u>Full Length</u>
2.					
3.					
4.					
5.					

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

Double Gate and Bag Type Preventors

Well will be drilled with Rotary Rig No. 29 by Regent Drilling Co.

(Drilling Contractor or company)

Responsible agent of applicant:—

Contractor's Business Licence No. A 2584

At well G. Berthiaum

At registered office C. C. Copeland

Address Professional Bldg.,

Address 703 - Sixth Avenue S.W., Calgary, Alta.

Red Deer, Alberta.

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

Dated at Calgary

this 25th

day of February

19 69

Signed by C. C. Copeland

Company Canadian Superior Oil Ltd.

Title Manager - Drilling and Production

Operator's Licence No. 1206

(For Resource Management Division use only)

APPROVED

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

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

Dated 25th February 19 69

Oil Conservation Engineer

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

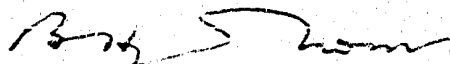
LAND 52-90-1 (3-67)

UNIQUE WELL IDENTIFIER: 300B486130120300

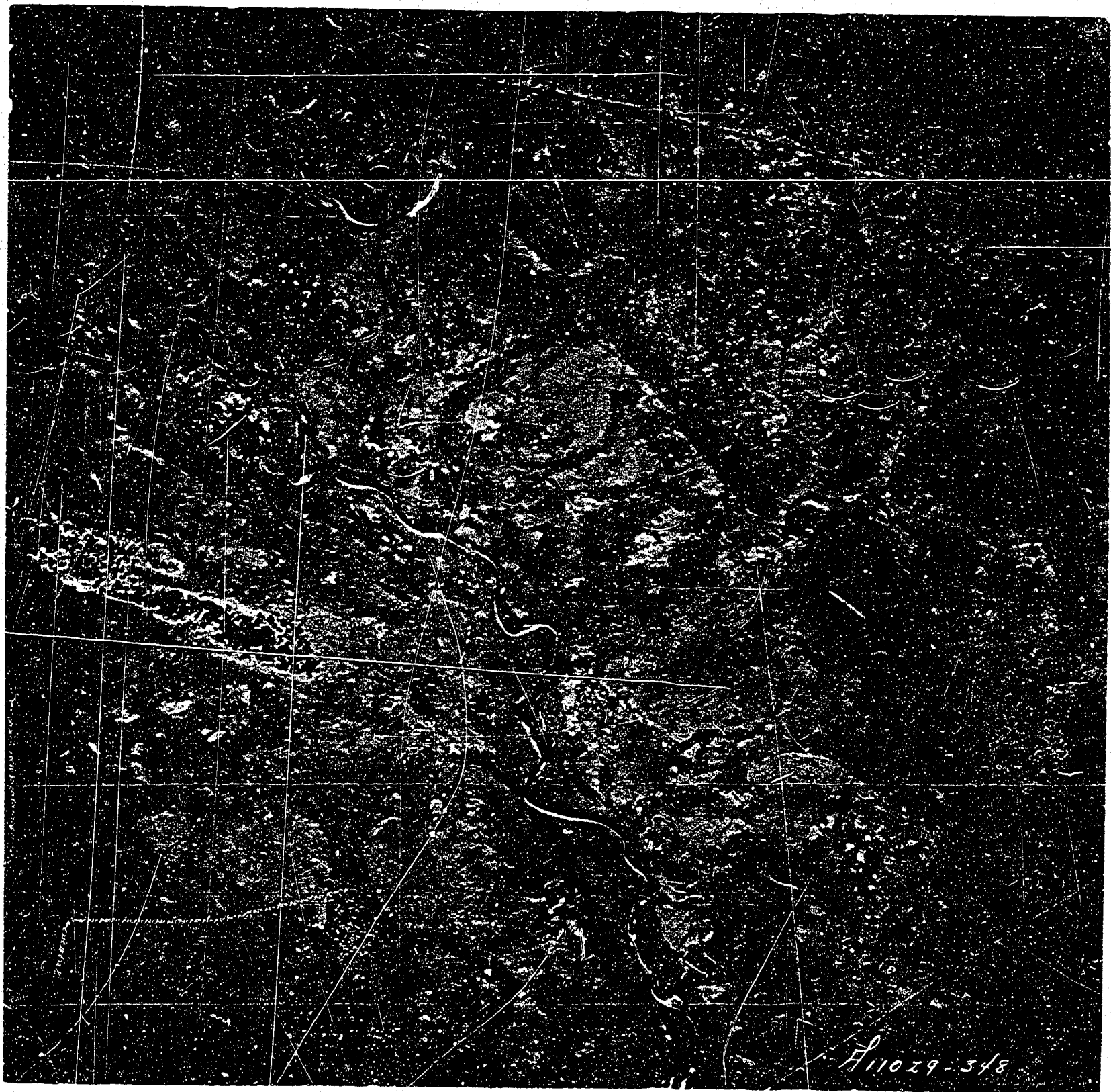
(over)

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

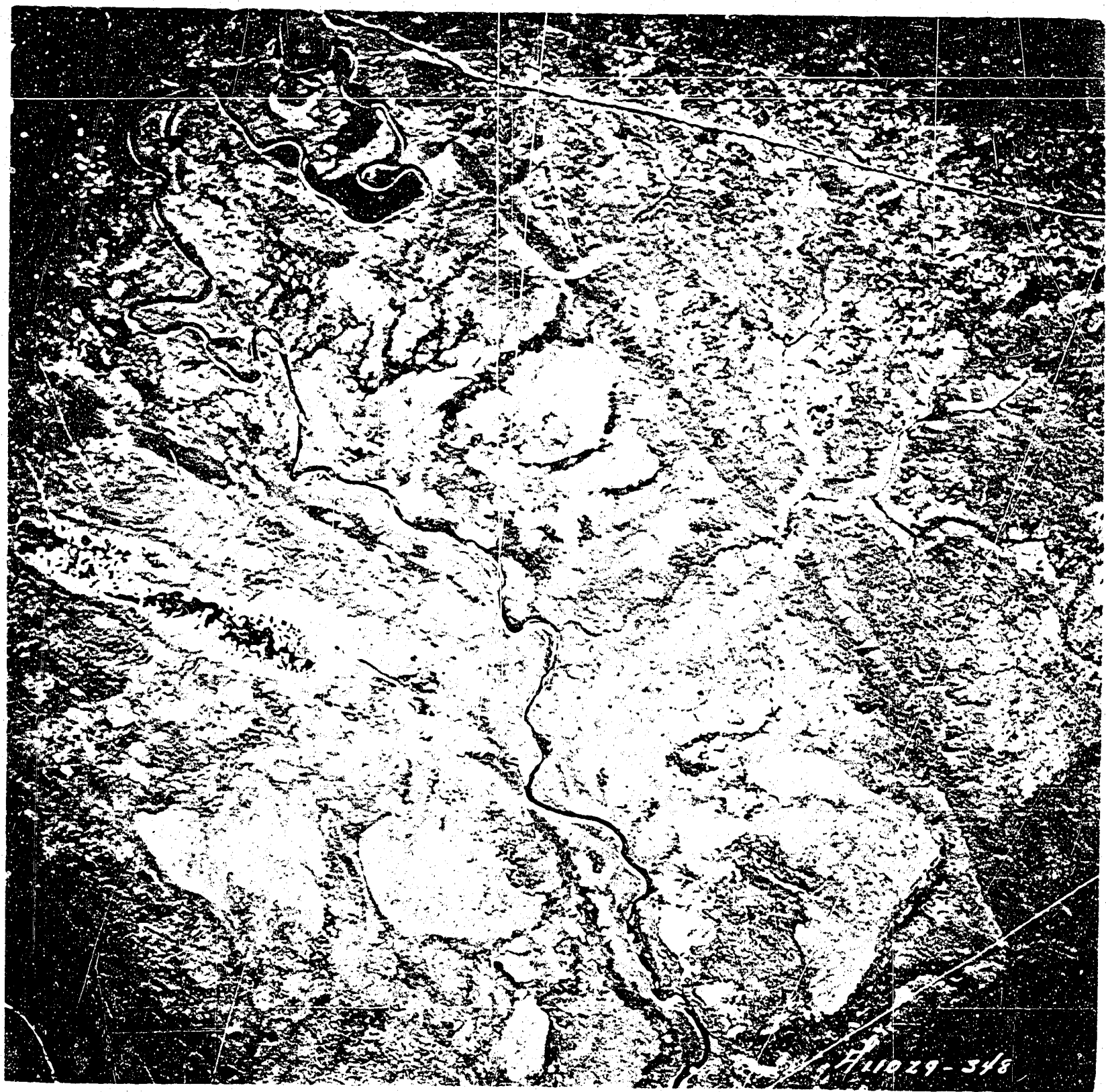
3. We draw your attention to Sections 95 and 96 of the Canada Oil and Gas Land Regulations.
4. Lot 1 of Area 361 is a Surface Reservation at 61° 31' N. Latitude and 120° 35' W. Longitude. This area should not be used for road or water hauling purposes.



B.H.J. Thoms
Oil Conservation Engineer



H11029-348



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CDN-SUP KMG JEAN MARIE B-48

WELL HISTORY REPORT

CDN-SUP KMG JEAN MARIE B-48

DRILLING AUTHORITY: #352

WELL HISTORY REPORT

CDN-SUP KMG JEAN MARIE B-48



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

COMPILED BY:

Linda Schmees

SUBMITTED BY:

A. M. Howe

DATE: April 8, 1969

CDN-SUP KMG JEAN MARIE 8-48

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WELL HISTORY REPORT

CANADIAN SUPERIOR OIL LTD.

SECTION I

SUMMARY OF WELL INFORMATION

- (a) Well Name: CDN-SUP KMG JEAN MARIE 8-48
- (b) Permittee: Andex Oil Company, Canadian Superior Oil Ltd.,
Kerr-McGee Corporation
- (c) Operator: Canadian Superior Oil Ltd.,
703 - 6th Avenue S.W.
Calgary, Alberta
- (d) Location: 8-48-61-30-120-30
Latitude: 61° 27' 10" N.
Longitude: 120° 38' 16" W.
Universal Well Location Reference - Lat. 61.45278° N., Long. 120.63777° W.
- (e) Co-ordinates: Unique Well Identifier 3008486130120300
- (f) Permit Number: 4247
- (g) Drilling Contractor: Regent Drilling Co. Ltd.
Rig No. 29 - Rotary Type
- (h) Drilling Authority: 362, Issued February 25, 1969
- (i) Classification: Wildcat
- (j) Elevations: K.B. 520'
Gnd. 505'
- (k) Date Spudded: March 4, 1969
- (l) Date Completed Drilling: March 14, 1969
- (m) Total Depth: 2576', Precambrian
- (n) Status: Dry & Abandoned
- (o) Rig Released Date: March 16, 1969
- (p) Hole Sizes: 12 $\frac{1}{2}$ " to 463'
7 7/8" to 2576' T.D.
- (q) Casing: Ran 8 5/8" casing to 463' with 300 sacks of cement
+ 2 $\frac{1}{2}$ % CaCl₂

SECTION II

Page Two

GEOLOGICAL SUMMARY

(a) Formation Tops:

	SAMPLE TOPS	DILL TOPS
Spence River	1695'	1693'
Hume Reef	1725'	1725'
Hume Platform	1928'	1926'
Dolomite	2120'	2135'
Anhydrite	2465'	2298'

(b) Cored Intervals:

Core #1 1751'-1791', Hume, recovered 38.5'

(c) Core Description:

Coring Times

	1	2	3	4	5	6	7	8	9	10
1751'-60'		6	6	5	7	10	14	15	13	8
1760'-70'	7	7	6	6	11	11	8	8	9	8
1770'-80'	9	10	11	10	9	12	12	13	16	25
1780'-90'	13	36	32	20	23	18	87	23	20	54
1790'-91'	52'									

1751.0'-1755.5' (4.5')

Reef Limestone - white and black mottled, coarse to very coarse crystalline, very fossiliferous with corals mainly, common vugs up to 1" diameter, very good vuggy and intercrystalline porosity, no oil or gas shows, abundant bitumen

1755.5'-1760.5' (5.0')

Reef Limestone - as last above but whiter, poor porosity, less bitumen, one large cubical chunk of white cubical limestone, up to 6" at base

1760.5'-1777.0' (16.5')

Reef Limestone - as in 4.5' interval at top of core but darker due to large amounts of black earthy bitumen which limits porosity and permeability, small (1 1/4") stroms in base 1'

1777.0'-1789.5' (12.5')

Reef Limestone - as in 5' interval above with abundant corals and common stroms, occasional brachs and one trilobite pygidium, common isolated vugs up to 1"

1789.5'-1791.0' (1.5')

Lost core - steep dips are indicated but are not consistant in direction

(d) Sample Description:

0'-80'	<u>Sand</u> - medium to coarse, feldspar and well rounded frosted quartz grains, some dark rounded grains and some brown chert
80'-340'	<u>Shale</u> - green, micromicaceous, slightly calcareous, some pyrite
340'-370'	<u>Shale</u> - as above with brown non-calcareous shale, grey streak
370'-1060'	<u>Shale</u> - green, micromicaceous, slightly calcareous
1060'-1080'	<u>Shale</u> - green, sandy, calcareous
1080'-1090'	<u>Shale</u> - green, very calcareous, sandy
1090'-1450'	<u>Shale</u> - green, micromicaceous, slightly calcareous
1450'-1500'	<u>Shale</u> - as above, splotted with small dark flecks
1500'-1520'	<u>Shale</u> - green, micromicaceous, slightly sandy and calcareous
1520'-1695'	<u>Shale</u> - green, micromicaceous, slightly calcareous
1695'-1720'	<u>Shale</u> - dark chocolate brown to black, non-calcareous
1720'-1730'	<u>Limestone</u> - tan and light tan mottled, medium to coarse crystalline, abundant crinoids, very good porosity, no visible oil show, strong petroliferous odour, slight cut and fluorescence
	<u>Limestone</u> - medium brown, earthy, scattered fine porosity, shows as above, slightly positive AgNO_3
1730'-1749'	<u>Limestone</u> - creamy, medium to coarse crystalline, very fossiliferous, scattered fair porosity, minor gilsonite, shows as above (circulated sample)
	Cored 1751'-1791'
1800'-1910'	<u>Reef Limestone</u> - white and buff mottled, medium to coarse crystalline, fossiliferous, good porosity and permeability, no shows, also brown, earthy microvugular limestone at top, grades to,

cont'd.....

(d) Sample Description cont'd.....

1910'-1930'	<u>Limestone</u> - brown, medium crystalline, algal
1930'-1960'	<u>Limestone</u> - dark brown, very fine crystalline, tight
1960'-1970'	<u>Limestone</u> - brown, medium crystalline, algal, fair porosity
1970'-2120'	<u>Limestone</u> - dark brown, very fine crystalline, tight
2120'-2130'	<u>Limestone</u> - as above, minor brown, very fine crystalline, dolomite with calcite veins
2130'-2160'	<u>Dolomite</u> - brown and tan, very fine crystalline, common calcite veining
2160'-2230'	<u>Dolomite</u> - dark chocolate brown, medium crystalline, tight, with above brown and tan dolomite, poor intercrystalline porosity 2170'-2175'
2230'-2260'	<u>Anhydrite</u> - dark grey-green grading to tan at base of interval
2260'-2270'	<u>Siltstone and Silty Anhydrite</u> - light grey-green, dolomitic, pyritic
2270'-2280'	<u>Dolomite</u> - light tan, medium to coarse crystalline, very poor porosity, no shows
2280'-2370'	<u>Anhydrite</u> - tan to light tan, translucent
2370'-2380'	<u>Anhydrite</u> - as above, some tan, fine crystalline, dolomite
2380'-2450'	<u>Anhydrite</u> - tan and green, translucent
2450'-2460'	<u>Anhydrite</u> - as above, some light buff, fine crystalline tight, dolomite
2460'-2530'	<u>Anhydrite</u> - buff and buff-red
2530'-2550'	<u>Anhydrite</u> - brick red

cont'd.....

GEOLOGICAL SUMMARY

Page Five

(d) Sample Description cont'd.....

2550'-2560'

Anhydrite - dark green and dark brown mottled,
common reddish buff anhydrite

2560'-2570'

Anhydrite - as above, quartzite white, fine to
medium, silica cement, hard

2570'-2578' T.D.

Quartzite - white, fine to medium, silica cement,
very hard

ENGINEERING SUMMARY

(a) Drill Stem Tests:

Pressures reported are
field readings.

D.S.T. #1 1719'-1751', Hume, preflow 3 minutes, open 60 minutes, strong initial blow, decreasing to weak, GTS in 45 minutes, TSTM, (1' flare, 2' riser), NOTS, recovered 1700' salt water, 140,250 ppm NaCl

1699' (-1179') IHP 819, ISIP (60 mins.) 809, FP 265-753, FSIP (60 mins.) 809, FHP 819

(b) Casing Record:

Ran 13 joints, 8 5/8" casing 24# J55 8rd Rge 2 & 3 ST&C new Mannesman casing to 463' cemented with 300 sacks of cement plus 2 1/2% CaCl₂. Bumped two plugs at 1200 psi at 12:05 P.M., March 6, 1969

(c) Bit Record:

#1	12 1/4"	S3J	219'	11 1/4 hours
#2	12 1/4"	ST3J	244'	14 1/4 hours
#3	7 7/8"	X3A	1286'	22 1/2 hours
#4	7 13/16"	Diamond	40'	12 1/4 hours
#5	7 7/8"	M4N	292'	30 1/4 hours
#6	7 7/8"	M4L	80'	11 3/4 hours
#7	7 7/8"	M44N	273'	38 1/4 hours
#8	7 7/8"	M4L	40'	5 1/2 hours

(d) Mud Report:

Gel

(e) Deviation Record:

1/2°	60'	3°	1599'
1/4°	150'	3 1/2°	1741'
1/4°	280'	3 1/2°	1749'
1°	403'	3°	1930'
1 3/4°	460'	2 3/4°	2142'
2°	692'		
2 1/2°	843'		
2 3/4°	1385'		
2 1/4°	1500'		

(f) Abandonment Plugs:

#1 1680'-1780' with 7 1/2 sacks, in place 2:07 A.M., March 16, 1969. Felt @ 1645'.
#2 410'-510' with 85 sacks, in place 10:38 A.M., March 16, 1969. Felt @ 378'.

(g) Lost Circulation:

#3 Cut casing off 3' below ground level, ran a 5-sack cement plug, welded on plate and erected identification marker.

(h) Report of Blowouts:

None

SECTION IV

Page Seven

Logs: 14th March 1969

Ran Schlumberger Dual Induction Laterolog
Run #1 463'-2573'

Ran Schlumberger BHC Sonic Caliper Integrated
Run #1 463'-2575'

Ran Schlumberger Compensated Formation Density
Gamma-Caliper Run #1 1550'-2575'

Ran Schlumberger Continuous Dipmeter - 1450-2573'
Directional (Computed) - 463-2573'

(Copies attached at back of report)

SECTION V

Page Eight

ANALYSIS

(a) Core Analysis:

Core Lab. CNP-4-4606

(b) Water Analysis:

Core Lab. CBH-2-4409

CORE LABORATORIES - CANADA, LTD.

COMPANY CANADIAN SUPERIOR OIL LTD.
WELL CON-SUP KING JEAN MARIE B-48
FIELD WILDCAT - JEAN MARIE CREEK AREA
NORTH WEST TERRITORIES

Location 61° 27' 10" N
120° 36' 16" W

FORMATION -
DRILLING FLUID WATER BASE MUD
ELEVATION -
ANALYSIS FULL DIAMETER
REMARKS

PAGE 1 of 3
FILE CND-4-4606
DATE REPORT MARCH 31/69
ANALYSTS J.M. CC 20

TESTS PERFORMED
1. GRAVIMETRIC
2. FLUID LOSS
3. COMPRESSIBILITY
4. PERMEABILITY
5. POROSITY
6. DENSITY
7. VISCOSITY
8. THERMAL STABILITY
9. CATIONIC POLYMERIZATION
10. CATIONIC POLYMERIZATION
11. CATIONIC POLYMERIZATION
12. CATIONIC POLYMERIZATION
13. CATIONIC POLYMERIZATION
14. CATIONIC POLYMERIZATION
15. CATIONIC POLYMERIZATION
16. CATIONIC POLYMERIZATION
17. CATIONIC POLYMERIZATION
18. CATIONIC POLYMERIZATION
19. CATIONIC POLYMERIZATION
20. CATIONIC POLYMERIZATION
21. CATIONIC POLYMERIZATION
22. CATIONIC POLYMERIZATION
23. CATIONIC POLYMERIZATION
24. CATIONIC POLYMERIZATION

SAMPLE NUMBER	INTERVAL REPRESENTED FEET		PERMEABILITY TO AIR MILLIDARCY		KV	PERMEABILITY FEET	POROSITY %	POROSITY FEET	DENSITY		VISUAL EXAMINATION
	DEPTH	THICK	KMAX	KMIN					BULK	GRAIN	

CORED INTERVAL 1751.0' - 1791.0'

CORE No. 1 1751.0' - 1791.0' (Rec. 37.0') (11 BOXES)

1	1751.0-1751.9	0.9	489.00	377.00	100.00	440.10	14.7	13.23	2.27	2.67	1, Foss, SV F
2	1751.9-1752.7	0.8	858.00	100.00	47.90	686.40	13.9	11.12	2.29	2.66	1, PPV
3	1752.7-1753.9	1.2	230.00	184.00	154.00	276.00	14.7	17.64	2.26	2.65	1, PPV F
4	1753.9-1754.7	0.8	1091.00	292.00	656.00	872.80	18.1	14.48	2.18	2.66	1, Foss, F
5	1754.7-1755.5	0.8	1112.00	456.00	260.00	869.60	15.4	12.32	2.26	2.67	1, PPV F
6	1755.5-1756.5	1.0	10.10	4.94	1.73	10.10	8.2	8.20	2.45	2.67	1, PPV
7	1756.5-1757.4	0.9	3.96	2.33	1.18	3.58	7.3	6.57	2.48	2.68	1, PPV Foss, F
8	1757.4-1758.4	1.0	4.70	4.16	5.45	4.70	10.4	10.40	2.38	2.65	1, PPV F
9	1758.4-1758.9	0.5	5.81	0.12	0.57	2.91	6.1	3.05	2.50	2.66	1, PPV F
10	1758.9-1759.5	0.6	3351.00	3.49	1110.00	2010.60	12.9	7.74	2.32	2.66	1, PPV Foss, F
11	1759.5-1760.4	0.9	216.00	2.73	5.62	194.40	8.0	7.20	2.45	2.66	1, PPV F
12	1760.4-1761.6	1.2	591.00	216.00	141.00	709.20	9.5	11.40	2.40	2.66	1, SV Foss, F
13	1761.6-1762.7	1.1	34.90	23.30	11.10	38.39	13.6	14.96	2.31	2.67	1, Shaly
14	1762.7-1763.8	1.1	31.10	21.00	6.88	34.21	14.4	15.84	2.25	2.63	1, PPV Shaly
15	1763.8-1765.0	1.2	2.21	1.78	0.47	2.65	9.4	11.28	2.40	2.65	1, Shaly
16	1765.0-1766.3	1.3	4.43	3.30	2.13	5.76	10.7	13.91	2.37	2.66	1, Shale Break
17	1766.3-1767.3	1.0	38.10	29.90	15.00	38.10	15.9	15.90	2.24	2.66	1, PPV
18	1767.3-1768.3	1.0	9.66	8.00	7.94	9.66	11.4	11.40	2.37	2.67	1, Foss PPV
19	1768.3-1769.2	0.9	12.30	11.90	8.37	11.07	11.7	10.53	2.36	2.67	1, F
20	1769.2-1770.4	1.2	42.60	38.60	11.60	51.36	11.7	14.04	2.34	2.65	1, PPV VF
21	1770.4-1771.7	1.3	*	25.30	*	32.69	15.2	19.76	2.26	2.67	1, F
22	1771.7-1773.0	1.3	10.90	3.78	3.32	14.17	9.5	12.35	2.42	2.67	1, Shaly
23	1773.0-1774.2	1.2	1.30	1.67	0.03	2.16	12.1	14.52	2.31	2.62	1, Shale Breaks, F
24	1774.2-1775.5	1.3	3.32	1.01	1.59	4.32	8.7	11.31	2.44	2.68	

CORE LABORATORIES - CANADA, LTD.
CALGARY, ALBERTA

COMPANY CANADIAN SUPERIOR OIL LTD.
WELL COH-SUP-K'S JEAN MARIE B-48

PAGE 2 of 3
FILE CUP-4-4006

SAMPLE NUMBER	INTERVAL REPRESENTED FEET		PERMEABILITY TO AIR MILLIDARCS				POROSITY %	POROSITY FEET	DENSITY		VISUAL EXAMINATION
	DEPTH	THICK	RMAX	ESOP	AV	BULK			GRAIN		
Core No. 1 Cont'd											
25	1775.5-1776.5	1.0	3.67	0.72	4.58	3.67	6.9	6.90	2.48	2.66	1, Shale Brooks, F
26	1776.5-1777.7	1.2	2.92	1.84	1.11	3.50	9.0	10.80	2.63	2.67	1, Shale Brooks, F
27	1777.7-1778.6	0.9	8.25	0.59	5.88	7.45	8.3	7.47	2.45	2.68	1, Fm PIV F
28	1778.6-1779.7	1.1	0.42	0.15	0.22	0.46	6.4	7.04	2.50	2.67	1, F
29	1779.7-1780.5	0.8	2.08	1.97	0.85	1.66	5.6	4.48	2.52	2.67	1, F
30	1780.5-1781.7	1.2	13.02	6.89	37.30	15.62	9.0	10.80	2.43	2.67	1, SV Foss, F
31	1781.7-1782.9	1.2	6.49	4.25	4.05	7.79	11.4	13.68	2.37	2.67	1, SV Foss
32	1782.9-1784.8	1.9	0.19	0.05	0.36	0.36	4.9	9.31	2.55	2.68	1, Fm PIV F
33	1784.8-1786.1	1.3	26.40	1.63	1.34	34.32	7.5	9.75	2.47	2.67	1, PIV F
34	1786.1-1787.5	1.4	2.62	1.50	1.17	3.67	9.6	13.44	2.41	2.67	1, Fm SV Foss
35	1787.5-1788.0	0.5	0.34	0.17	0.03	0.17	5.5	2.75	2.51	2.66	1, Lost Core
-	1788.0-1791.0	3.0	-	-	-	-	-	-	-	-	

CORE LABORATORIES - CANADA, LTD.

Petro Reservoir Engineering

WELL: CON-SUP KMG JEAN MARIE B-48

FORMATION:

PAGE: 3 of 3

SUMMARY INTERVAL: 1751.0 - 1791.0

FILE: CNP-4-4606

TOTAL FOOTAGE: 110.0

FOOTAGE ANALYZED 37.0

FOOTAGE NOT ANALYZED:

TOTAL: 3.0 DENSE .0 LOST 3.0 DRILLED .0 MGR .0 RUBBLE .0

SUMMARY
OF
ANALYZED CORE:

TOTAL

BY
PERM
RANGES:

LESS THAN 0.10 Md.

0.10 0.49 Md.

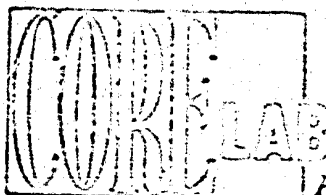
0.50 0.99 Md.

1.00 9.99 Md.

GREATER THAN 9.99 Md.

FOOTAGE	NO. ANALYZED CORE	WEIGHTED AVERAGE POROSITY	PODSITY FEET	WEIGHTED AVERAGE PERM MD	PERM FEET	WEIGHTED AVERAGE PERM CLS	WEIGHTED AVERAGE TOT WATER
37.0	100.00	10.42	385.57	173.62	6423.81	.00	.00
.0	.00	.00	.00	.00	.00	.00	.00
3.5	9.46	5.46	19.10	.28	.99	.00	.00
.0	.00	.00	.00	.00	.00	.00	.00
14.9	40.27	9.34	139.21	4.26	63.48	.00	.00
18.6	50.27	12.22	227.26	341.90	6359.33	.00	.00

CORE LABORATORIES - CANADA LTD.



Petroleum Reservoir Engineering

COMPANY CANADIAN SINOPEC OIL LTD. FIELD WILDCAT FILE 2-2-4-1506WELL CDN SIO KNO JEAN-MARIE R-22 DATE _____

LOCATION _____ PROV _____ ELEV. _____

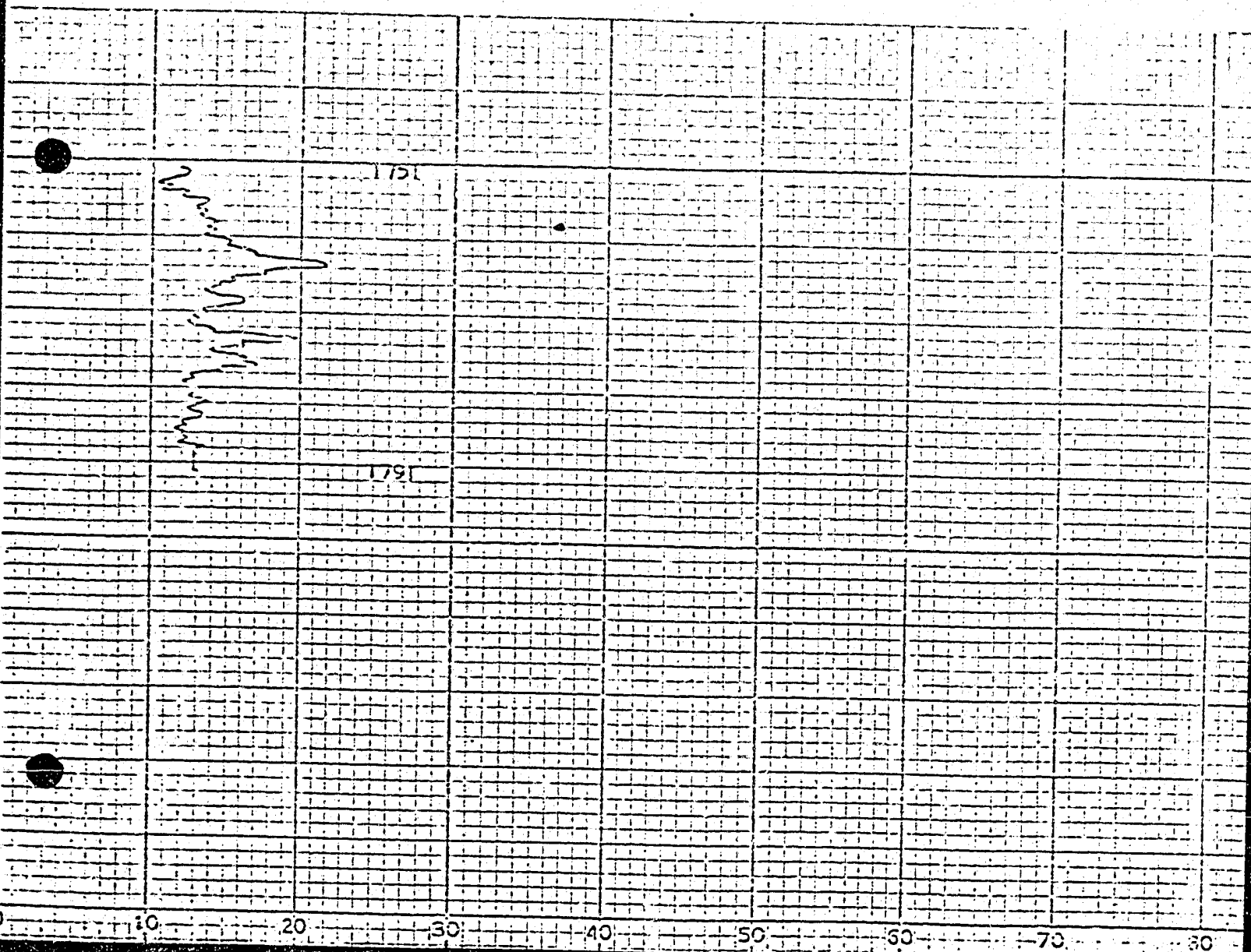
CORE-GAMMA CORRELATION

This section, gamma or interpretation are based on electronic and electronic material for the purpose of which and for which the user is responsible. The user is responsible for the accuracy of the data and the interpretation of the data. The user is responsible for the accuracy of the data and the interpretation of the data. The user is responsible for the accuracy of the data and the interpretation of the data.

T.C. 11 SECS.

VERTICAL SCALE: 5" = 100'

SENS. 5000 CPM.





CORE LABORATORIES - CANADA LTD.
PETROLEUM RESERVOIR ENGINEERING
WATER ANALYSIS



File COH-2-4400 Page 1 of 1

Company Canadian Superior Oil Ltd.
Well Cdn-Sup 10-10 Jean Marie D-40 K.B. 520' Grd. 505'
Location 61 27' 10.00" N.L. 120 30' 10.00" W.L. Jean Marie
Field Creek Area Province N.B.
Formation _____ Interval 1710'-1751'
Sampled from DST #1 (Bottom of Recovery) by _____
Date sampled Mar. 9/69 Date analyzed Mar. 18/69 Analyst A.M.
Recovery 1700' Salt Water

Mud type _____ Water cushion _____

Resistivity 0.58 Ohm-meters @ 72 °F

Specific gravity 1.1030 @ 60°F

pH 6.65 H₂S Absent

Refractive Index 1.364 @ 72°F

Total Solids:

Calculated 155.55 mg/liter

By evaporation @ 110°C - mg/liter

By evaporation @ 180°C - mg/liter

At ignition - mg/liter

MILLIGRAMS PER LITER

Na + K	Ca	Mg	Fe	Ba	Br	I	Cl	HCO ₃	SO ₄	CO ₃	OH
40,250	11,321	5,556	Pres.	Abs.	-	-	98,065	293	69	-	-

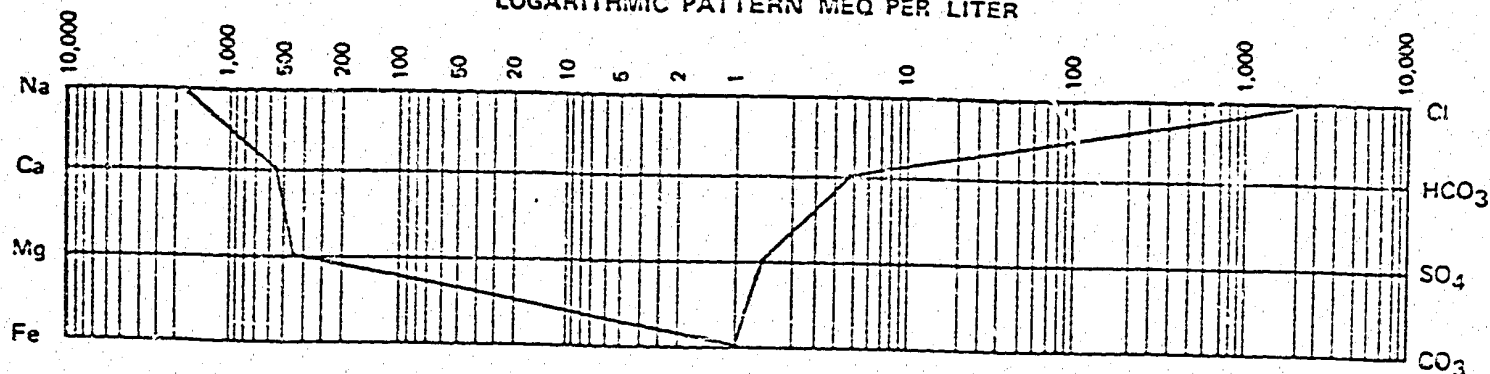
PER CENT CALCULATED SOLIDS

25.9	7.3	3.6	Pres.	Abs.	-	-	63.0	0.2	Trace	-	-
------	-----	-----	-------	------	---	---	------	-----	-------	---	---

MEQ PER LITER

1750.0	564.9	456.7	Pres.	Abs.	-	-	2765.4	4.8	1.4	-	-
--------	-------	-------	-------	------	---	---	--------	-----	-----	---	---

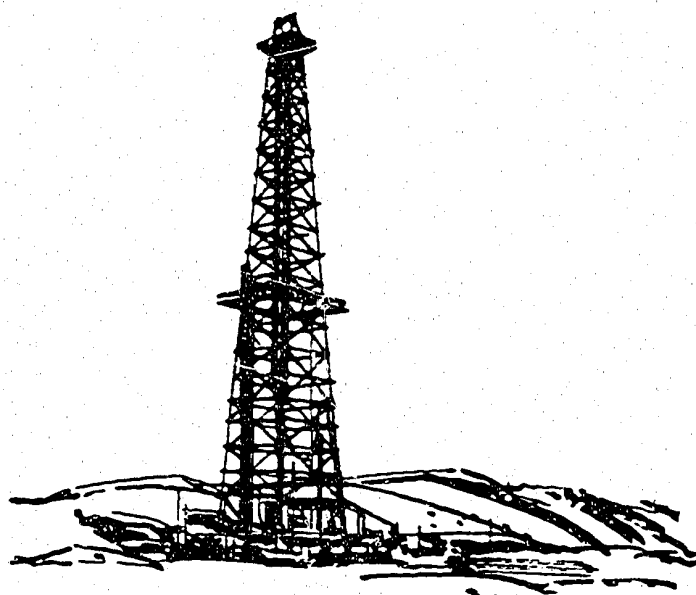
LOGARITHMIC PATTERN MEQ PER LITER



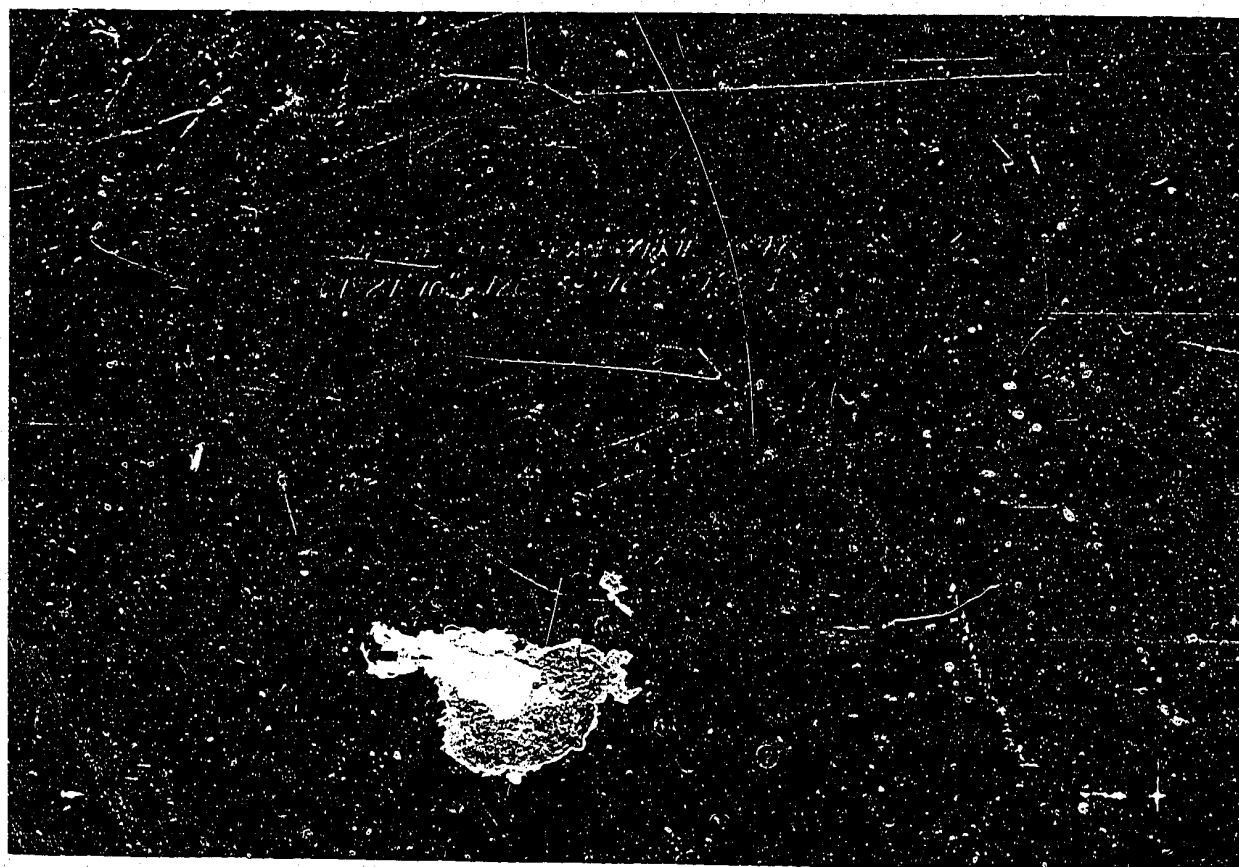
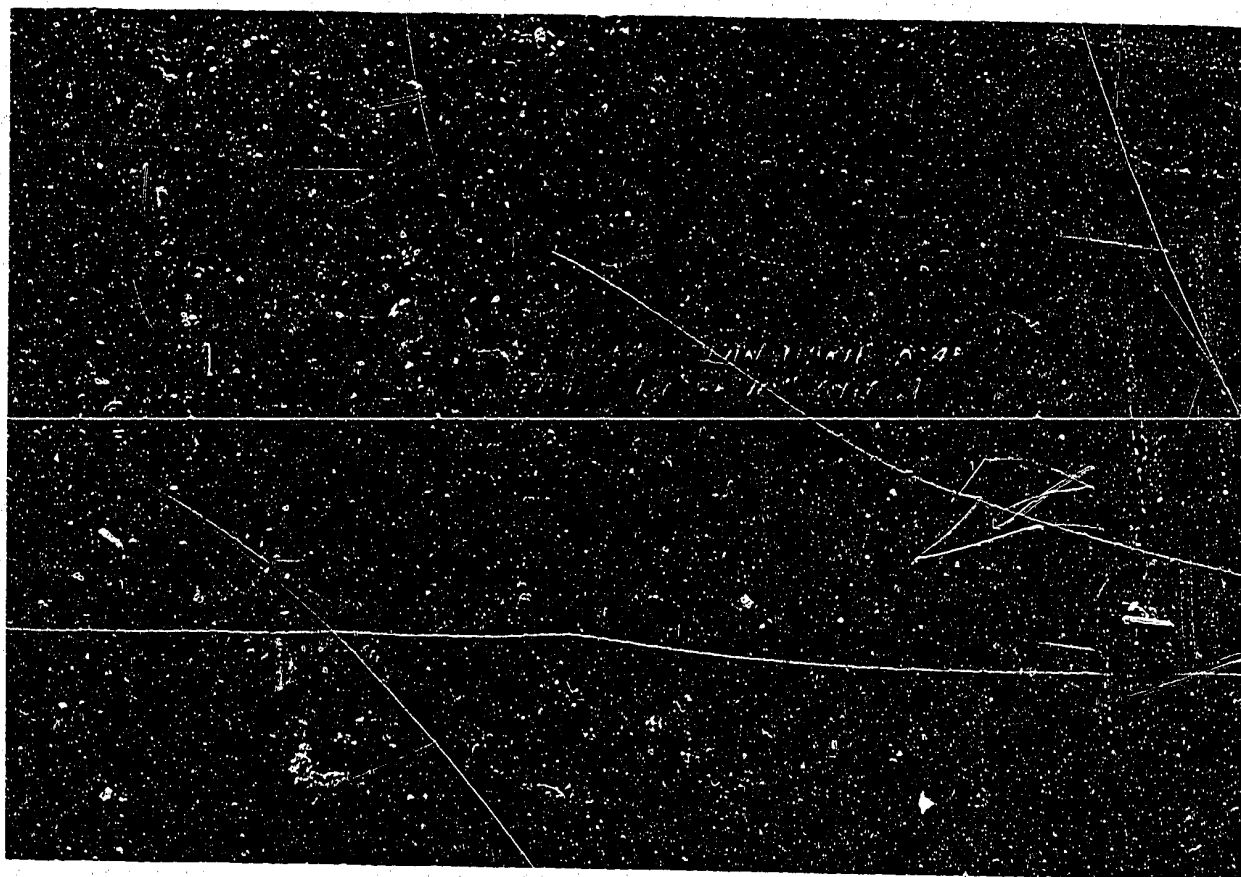
LYNES

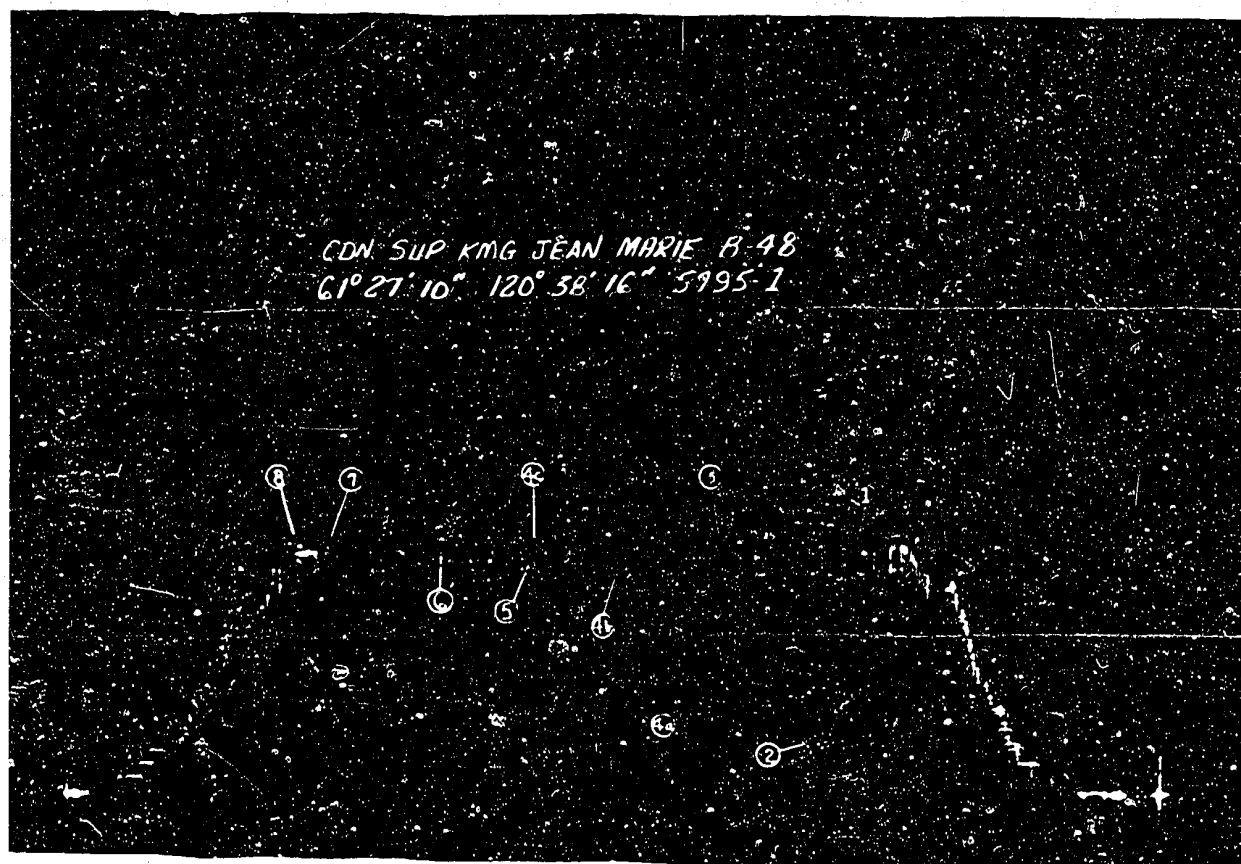
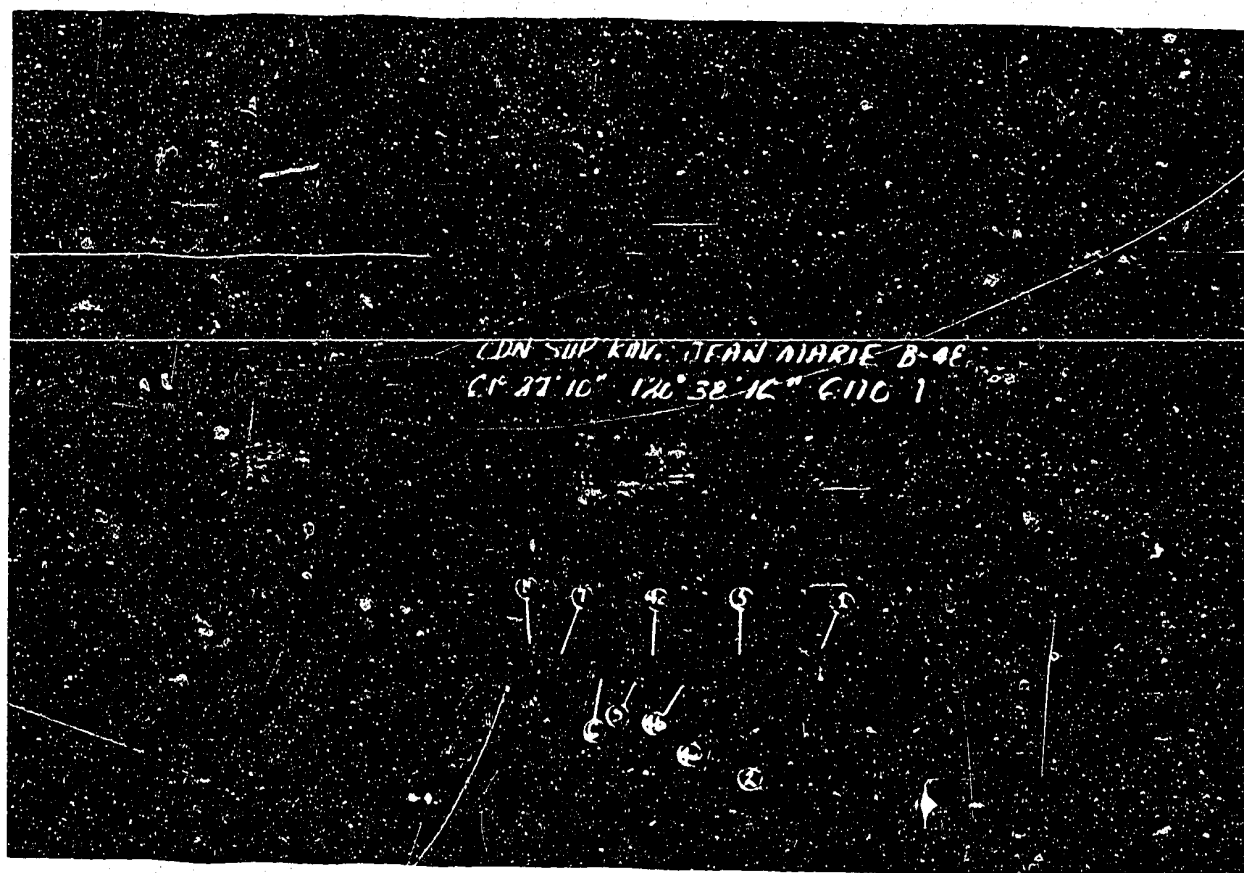
BRIGHT NAME IN THE OIL PATCH

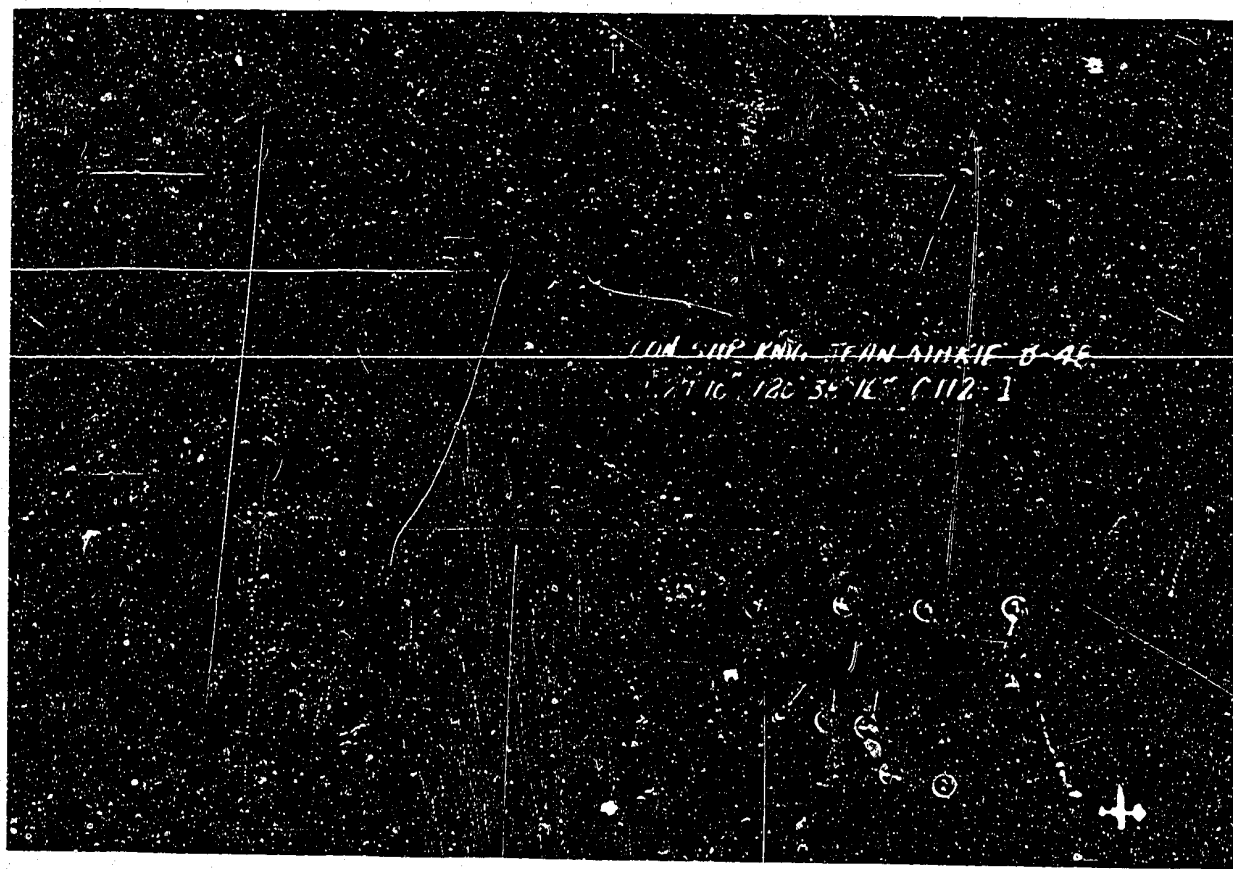
Inflatable Sealing Element Packers



**Formation Testing
Service Report**







Canadian Superior Oil

Company

CDN Sup KMG Jean Marie B-48 61°27'10"120°38'16"

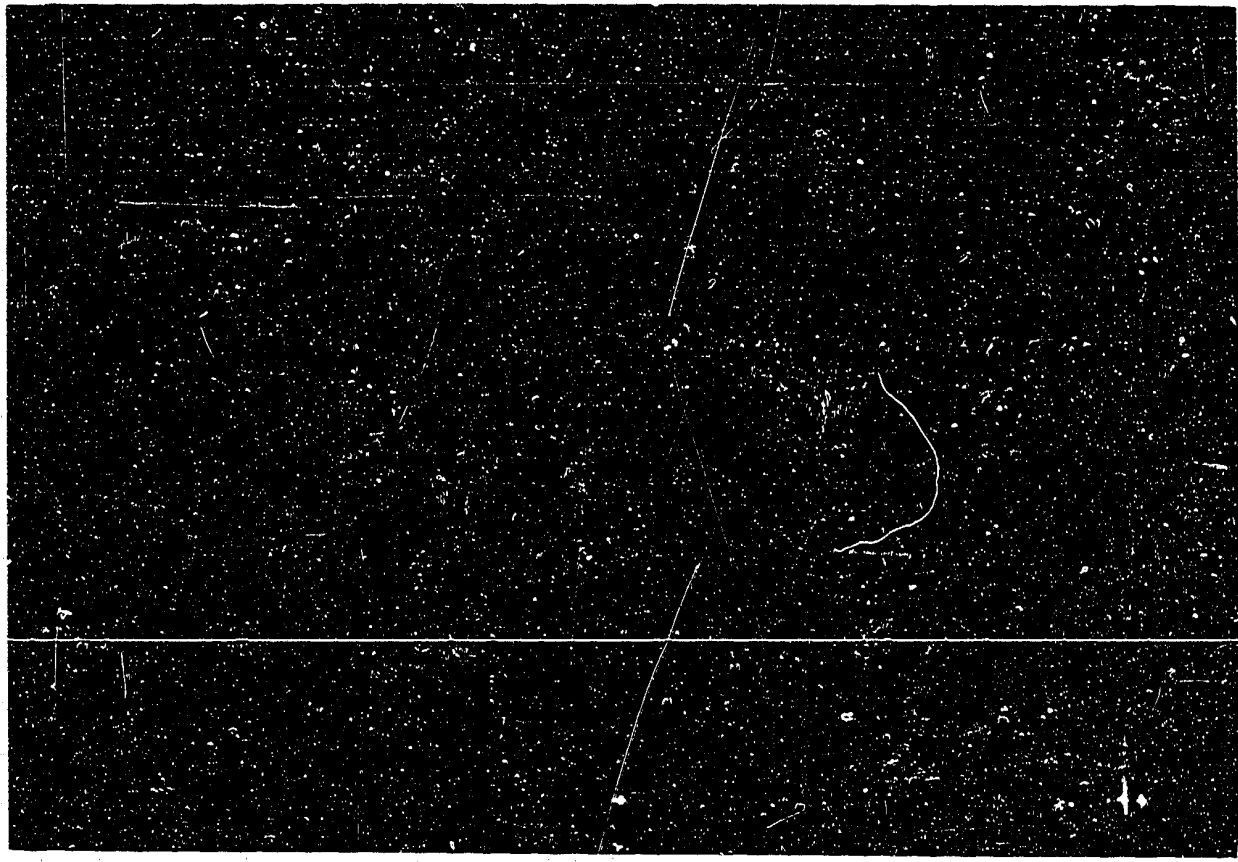
1

March 9, 1969,

Well Name and Coordinates

Trap No.

Owner and Test



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 _o	= total flowing time, minutes
P _o	= Extrapolated maximum reservoir pressure, psig
P _f	= final flowing pressure, psig
P.I.	= productivity index, bbls./day/psi
P.I. ₁	= theoretical productivity index with damage removed, bbl./day/psi
D.R.	= damage ratio
ED.R.	= estimated damage ratio
AOF	= absolute open flow potential, MCF/D
AOF ₁	= 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 1720 ft. Subsea depth - 1200 ft. Ticket No. 0016				How Recorder No. 5795					
$t_0 = 3$ Mins. Initial Shut-In Pressure				Second Flow Pressure		$t_0 = 53$ Mins. Final Shut-In Pressure			
Time, Min. ϕ	$\frac{t_0 + \phi}{\phi}$	PSIG	PSIG ² +10 ⁶ (Gas)	Time Defl. 000"	PSIG	Time, Min. ϕ	$\frac{t_0 + \phi}{\phi}$	PSIG	PSIG ² +10 ⁶ (Gas)
INITIAL SHUT-IN				SECOND SHUT-IN					
0	--	201				0	--	792	
5	1.600	799				5	13.600	823	
10	1.500	826				10	7.300	825	
15	1.200	831				15	5.200	827	
20	1.150	833				20	4.150	828	
25	1.120	835				25	3.520	829	
30	1.100	836				30	3.100	830	
35	1.086	837				35	2.800	831	
40	1.075	837				40	2.575	832	
45	1.067	838				45	2.400	833	
50	1.060	839				50	2.260	833	
55	1.055	839				55	2.145	834	
60	1.050	839				60	2.050	834	

Recorder Depth		ft. Subsea depth		ft. Ticket No.		How Recorder No.			
$t_0 =$		Mins. Initial Shut-In Pressure		Second Flow Pressure		$t_0 = 123$ Mins. Final Shut-In Pressure			
Time, Min. ϕ	$\frac{t_0 + \phi}{\phi}$	PSIG	PSIG ² +10 ⁶ ϕ	Time Defl. .000"	PSIG	Time, Min. ϕ	$\frac{t_0 + \phi}{\phi}$	PSIG	PSIG ² +10 ⁶ (Gas)
						THIRD SHUT-IN			
						0	--	834	
						5	25.600	835	
						10	13.300	837	
						15	9.260	837	
						20	7.150	838	
						25	5.920	838	
						30	5.100	838	
						35	4.514	838	
						40	4.075	839	
						45	3.733	839	
						50	3.460	839	
						55	3.236	839	
						60	3.050	839	

Interval of Pressure Readings (Mins.)

ISIP

5

2nd Flow Press.

FSIP 5 + 5

Remarks:

DST# 1

PRESSURE DATA

Canadian Superior Oil

Company

Well Name and Description	T
CDN Sup KING Jean Marie B-48 61°27'10"120°38'16"	

Test No.

March 9, 1969
Date of Test

SURF. CSG. SIZE _____ "AT _____
 INTER. CSG. SIZE _____ "AT _____
 K.B. ELEV. _____
 GROUND ELEV. _____
 K.B. TO CSG. FLANGE _____

CANADIAN SUPERIOR OIL LTD.

DAILY DRILLING REPORT

CONTRACTOR *Regent Drilling*
 SERVICE/ROTARY RIG NO. *29*

DATE *May 5/69*

FIELD _____

LEASE *Can. Sup. Oil Co. Lease*WELL NO. *BH80*PROVINCE *NWT*

MIDNIGHT TO 8:00 A.M.		TOUR DRILLING, RATHOLING & REAMING RECORD						SIGNED <i>A. J. F. Guald</i> DRILLER				
WEATHER <i>Clear</i> TEMP <i>30°</i>		FROM	TO	HOURS	WEIGHT	FORMATION		TIME	WT.	DETAILS OF MUD TESTS		
DETAILS OF DRILLING STRING		STDS.	SLGS.	SIZE	LENGTH							
D.P.												
D.C.	<i>6</i>		<i>172</i>		<i>79</i>							
SUBS	<i>1</i>		<i>263</i>		<i>302</i>							
		BIT NO.	SIZE	MAKE	SERIAL	FOOTAGE	HOURS					
		<i>1A</i>	<i>12 1/4</i>	<i>SEC</i>	<i>157683</i>	<i>219</i>	<i>11 1/4</i>					
		<i>53T</i>										
KELLY LENGTH		<i>41</i>		<i>2A</i>		<i>12 1/2</i>						
TOTAL ON HOOK		<i>28M</i>										
UP ON KELLY		<i>00</i>										
TOTAL DEPTH		<i>2A 00</i>										
REMARKS												

8:00 A.M. TO 4:00 P.M.		TOUR DRILLING, RATHOLING & REAMING RECORD						SIGNED <i>A. J. F. Guald</i> DRILLER				
WEATHER		TEMP	FROM	TO	HOURS	WEIGHT	FORMATION	TIME	WT.	DETAILS OF MUD TESTS		
DETAILS OF DRILLING STRING		STDS.	SLGS.	SIZE	LENGTH							
D.P.												
D.C.	<i>9</i>		<i>6 1/4</i>		<i>264.88</i>							
SUBS			<i>302</i>		<i>263</i>							
		BIT NO.	SIZE	MAKE	SERIAL	FOOTAGE	HOURS					
		<i>2A</i>	<i>12 1/4</i>	<i>53</i>	<i>173035</i>	<i>21</i>	<i>H 3/4</i>					
KELLY LENGTH		<i>41</i>										
TOTAL ON HOOK												
UP ON KELLY		<i>11</i>										
TOTAL DEPTH		<i>300</i>										
REMARKS												

4:00 P.M. TO MIDNIGHT		TOUR DRILLING, RATHOLING & REAMING RECORD						SIGNED <i>A. J. F. Guald</i> DRILLER				
WEATHER		TEMP	FROM	TO	HOURS	WEIGHT	FORMATION	TIME	WT.	DETAILS OF MUD TESTS		
DETAILS OF DRILLING STRING		STDS.	SLGS.	SIZE	LENGTH							
D.P.												
D.C.	<i>4</i>		<i>1 1/4</i>		<i>387</i>		<i>77</i>					
SUBS	<i>1</i>		<i>6'</i>		<i>2</i>		<i>53</i>					
		BIT NO.	SIZE	MAKE	SERIAL	FOOTAGE	HOURS					
		<i>2A</i>	<i>12 1/4</i>	<i>53</i>	<i>17035</i>	<i>21</i>	<i>H 3/4</i>					
KELLY LENGTH		<i>41</i>		<i>00</i>								
TOTAL ON HOOK												
UP ON KELLY												
TOTAL DEPTH		<i>435</i>		<i>244</i>		<i>43</i>						
REMARKS												

8:00 A.M. TO 4:00 P.M.		TOUR DRILLING, RATHOLING & REAMING RECORD						SIGNED <i>A. J. F. Guald</i> DRILLER				
WEATHER		TEMP	FROM	TO	HOURS	WEIGHT	FORMATION	TIME	WT.	DETAILS OF MUD TESTS		
DETAILS OF DRILLING STRING		STDS.	SLGS.	SIZE	LENGTH							
D.P.												
D.C.	<i>4</i>		<i>1 1/4</i>		<i>387</i>		<i>77</i>					
SUBS	<i>1</i>		<i>6'</i>		<i>2</i>		<i>53</i>					
		BIT NO.	SIZE	MAKE	SERIAL	FOOTAGE	HOURS					
		<i>2A</i>	<i>12 1/4</i>	<i>53</i>	<i>17035</i>	<i>21</i>	<i>H 3/4</i>					
KELLY LENGTH		<i>41</i>		<i>00</i>								
TOTAL ON HOOK												
UP ON KELLY												
TOTAL DEPTH		<i>435</i>		<i>244</i>		<i>43</i>						
REMARKS												

4:00 P.M. TO MIDNIGHT		TOUR DRILLING, RATHOLING & REAMING RECORD						SIGNED <i>A. J. F. Guald</i> DRILLER				
WEATHER		TEMP	FROM	TO	HOURS	WEIGHT	FORMATION	TIME	WT.	DETAILS OF MUD TESTS		
DETAILS OF DRILLING STRING		STDS.	SLGS.	SIZE	LENGTH							
D.P.												
D.C.	<i>4</i>		<i>1 1/4</i>		<i>387</i>		<i>77</i>					
SUBS	<i>1</i>		<i>6'</i>		<i>2</i>		<i>53</i>					
		BIT NO.	SIZE	MAKE	SERIAL	FOOTAGE	HOURS					
		<i>2A</i>	<i>12 1/4</i>	<i>53</i>	<i>17035</i>	<i>21</i>	<i>H 3/4</i>					
KELLY LENGTH		<i>41</i>		<i>00</i>								
TOTAL ON HOOK												
UP ON KELLY												
TOTAL DEPTH		<i>435</i>		<i>244</i>		<i>43</i>						
REMARKS												

8:00 A.M. TO 4:00 P.M.		TOUR DRILLING, RATHOLING & REAMING RECORD						SIGNED <i>A. J. F. Guald</i> DRILLER				
WEATHER		TEMP	FROM	TO	HOURS	WEIGHT	FORMATION	TIME	WT.	DETAILS OF MUD TESTS		
DETAILS OF DRILLING STRING		STDS.	SLGS.	SIZE	LENGTH							
D.P.												
D.C.	<i>4</i>		<i>1 1/4</i>		<i>387</i>		<i>77</i>					
SUBS	<i>1</i>		<i>6'</i>		<i>2</i>		<i>53</i>					
		BIT NO.	SIZE	MAKE	SERIAL	FOOTAGE	HOURS					
		<i>2A</i>	<i>12 1/4</i>	<i>53</i>	<i>17035</i>	<i>21</i>	<i>H 3/4</i>					
KELLY LENGTH		<i>41</i>		<i>00</i>								
TOTAL ON HOOK												
UP ON KELLY												
TOTAL DEPTH		<i>435</i>		<i>244</i>		<i>43</i>						
REMARKS												

8:00 A.M. TO 4:00 P.M.		TOUR DRILLING, RATHOLING & REAMING RECORD						SIGNED <i>A. J. F. Guald</i> DRILLER				
WEATHER		TEMP	FROM	TO	HOURS	WEIGHT	FORMATION	TIME	WT.	DETAILS OF MUD TESTS		
DETAILS OF DRILLING STRING		STDS.	SLGS.	SIZE	LENGTH							
D.P.												
D.C.	<i>4</i>		<i>1 1/4</i>		<i>387</i>		<i>77</i>					
SUBS	<i>1</i>		<i>6'</i>		<i>2</i>		<i>53</i>					
		BIT NO.	SIZE	MAKE	SERIAL	FOOTAGE	HOURS					
		<i>2A</i>	<i>12 1/4</i>	<i>53</i>	<i>17035</i>	<i>21</i>	<i>H 3/4</i>					
KELLY LENGTH		<i>41</i>		<i>00</i>								
TOTAL ON HOOK												
UP ON KELLY												
TOTAL DEPTH		<i>435</i>		<i>244</i>		<i>43</i>						
REMARKS												

A. J. F. Guald

CON. SUP. REP.

BOILER USED THIS 24 HOURS?

29

TOOL/PUSH

[illegible]

SURF. CSG. SIZE <u>8 5/8" AT #63</u> INTER. CSG. SIZE <u>" AT</u> K.B. ELEV. <u>520</u> GROUND ELEV. <u>205</u> K.B. TO CSG. FLANGE <u>1300</u>		CANADIAN SUPERIOR OIL LTD. DAILY DRILLING REPORT CONTRACTOR <u>Regent</u> SERVICE/ROTARY RIG NO. <u>29</u>				DATE <u>March 1969</u> FIELD <u>WILCOAT</u> LEASE <u>CON SUP. V. 1/2</u> WELL NO. <u>5-1-1-1-1-1-1-1-1-1</u> PROVINCE <u>B. H. N. W. T.</u>																																																			
MIDNIGHT TO 8:00 A.M.		TOUR DRILLING, RATHOLING & REAMING RECORD						SIGNED <u>R. J. Gould</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>12</td> <td>9.6</td> <td>57</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td>7.8</td> <td>50</td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td>7.8</td> <td>47</td> <td></td> <td></td> <td></td> </tr> <tr> <td>6</td> <td>9.8</td> <td>48</td> <td></td> <td></td> <td></td> </tr> </table>				TIME	WT.	VIS.	W.L.	CAKE	PH	12	9.6	57				2	7.8	50				4	7.8	47				6	9.8	48																			
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REMARKS		DESCRIPTION OF WORK PERFORMED <u>1245 82050001 Regent</u> <u>1245 800 Drill</u>																																																							
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REMARKS		DESCRIPTION OF WORK PERFORMED <u>8:00 815 CHANGE PUMPS</u> <u>8:15 845 DRILL</u> <u>8:45 430 WORK ON PUMPS</u> <u>9:30 945 DRILL</u> <u>10:15 1000 WORK ON PUMPS</u> <u>10:00 115 DRILL</u> <u>11:5 130 SURVEY</u> <u>130 440 TRIP FOR BIT</u>																																																							
4:00 P.M. TO MIDNIGHT		TOUR DRILLING, RATHOLING & REAMING RECORD						SIGNED <u>A. J. Johnson</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>6</td> <td>10.1</td> <td>65</td> <td></td> <td></td> <td></td> </tr> <tr> <td>8</td> <td>10.1</td> <td>135</td> <td></td> <td></td> <td></td> </tr> <tr> <td>10</td> <td>11.1</td> <td>135</td> <td></td> <td></td> <td></td> </tr> </table>				TIME	WT.	VIS.	W.L.	CAKE	PH	6	10.1	65				8	10.1	135				10	11.1	135																									
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REMARKS		DESCRIPTION OF WORK PERFORMED <u>4:00 415 FINISH IN (NO FILL)</u> <u>4:15 430 RIG SERVICE CHECK</u> <u>4:30 1000 DRILL</u> <u>10:00 1045 C.L. TO LOG</u> <u>10:45 1145 1050 DUMPY TIRE (NO FILL)</u> <u>11:45 1200 C.R.</u>																																																							
CUN. SUP. REP. <u>A. J. Johnson</u>		SOILER USED THIS 24 HOURS? ☒				TOOLPUSH																																																			

[illegible]

SURF. CSG. SIZE 5 1/8 "AT 1113
 INTER. CSG. SIZE 5 1/8 "AT
 K.B. ELEV. 535
 GROUND ELEV. 505
 K.B. TO CSG. FLANGE 1300

CANADIAN SUPERIOR OIL LTD.

DAILY DRILLING REPORT

CONTRACTOR Reger
 SERVICE/ROTARY RIG NO. 29

DATE March 12, 1969
 FIELD WILBERT
 LEASE Edna Lugo K 46
 WELL NO. 2211 77441E
 PROVINCE B.H.S. N.W.T.

MIDNIGHT TO 8:00 A.M.

WEATHER		TEMP		TOUR DRILLING, RATHOLING & REAMING RECORD				
				FROM	TO	HOURS	WEIGHT	FORMATION
				1930	2010	1 3/4	30	
DETAILS OF DRILLING STRING D.P. <u>15</u> <u>3 1/2</u> <u>1364</u> <u>10</u> D.C. <u>31</u> <u>6 7/8</u> <u>215</u> <u>10</u> SUBS <u>2</u> <u>3</u> <u>6 1/2</u>								
BIT AND CORE HEAD RECORD BIT NO. <u>2</u> <u>7 7/8</u> <u>1144</u> <u>113114</u> <u>319</u> <u>13 1/4</u> MAKE <u>7 7/8</u> <u>1144</u> <u>113114</u> <u>319</u> <u>13 1/4</u>								
INCLINATION AND DIRECTIONAL SURVEYS MAKE AND TYPE <u>TOTAL</u> <u>1930</u> <u>30</u> DEPTH <u>1930</u> <u>30</u> DEGREE AND DIRECTION <u>30</u>								
DETAILS OF MUD TESTS TIME <u>12</u> <u>9.2</u> <u>60</u> <u>22</u> <u>3/32</u> WT. <u>9.4</u> <u>72</u> VIS. <u>9.4</u> <u>72</u> W.L. <u>9.4</u> <u>72</u> CAKE <u>9.4</u> <u>72</u> PH <u>9.4</u> <u>72</u>								
DETAILS OF MUD ADDITIVES MATERIAL <u>661</u> <u>700</u> LBS. <u>661</u> <u>700</u>								
KELLY LENGTH <u>1100</u> TOTAL ON HOOK <u>6700</u> UP ON KELLY <u>2</u> TOTAL DEPTH <u>2010</u>								
REMARKS								

DESCRIPTION OF WORK PERFORMED

1930 1215 17.5 Service
 1215 100 WORK ON AIR LINE & HELP
 100 330 MECHANIC START MOTORS
 330 345 DRILL
 345 500 SURVEY TO 1930 - 30
 500 500 DRILL

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

WEATHER		TEMP		TOUR DRILLING, RATHOLING & REAMING RECORD				
				FROM	TO	HOURS	WEIGHT	FORMATION
				2010	2092	7 1/4	25	INDYDRITE
DETAILS OF DRILLING STRING D.P. <u>16</u> <u>3 1/2</u> <u>1455</u> <u>32</u> D.C. <u>7</u> <u>6 7/8</u> <u>615</u> <u>16</u> SUBS <u>1</u> <u>1</u> <u>115</u>								
BIT AND CORE HEAD RECORD BIT NO. <u>2</u> <u>7 7/8</u> <u>5.000</u> <u>4.2014</u> <u>301</u> <u>203/4</u> MAKE <u>7 7/8</u> <u>5.000</u> <u>4.2014</u> <u>301</u> <u>203/4</u>								
INCLINATION AND DIRECTIONAL SURVEYS MAKE AND TYPE <u>7 7/8</u> <u>5.000</u> <u>4.2014</u> <u>301</u> <u>203/4</u> DEPTH <u>7 7/8</u> <u>5.000</u> <u>4.2014</u> <u>301</u> <u>203/4</u> DEGREE AND DIRECTION <u>7 7/8</u> <u>5.000</u> <u>4.2014</u> <u>301</u> <u>203/4</u>								
DETAILS OF MUD TESTS TIME <u>8</u> <u>9.7</u> <u>84</u> <u>21</u> <u>2/32</u> <u>9.8</u> WT. <u>9.7</u> <u>63</u> VIS. <u>9.7</u> <u>49</u> W.L. <u>9.7</u> <u>50</u> CAKE <u>9.7</u> <u>50</u> PH <u>9.7</u> <u>50</u>								
DETAILS OF MUD ADDITIVES MATERIAL <u>Hel</u> <u>200</u> LBS. <u>Hel</u> <u>200</u> MATERIAL <u>Caustic</u> <u>50</u> LBS. <u>Caustic</u> <u>50</u> MATERIAL <u>ABrown</u> <u>50</u> LBS. <u>ABrown</u> <u>50</u>								
KELLY LENGTH <u>41</u> <u>00</u> TOTAL ON HOOK <u>12000</u> UP ON KELLY <u>76</u> <u>05</u> TOTAL DEPTH <u>2092</u> <u>00</u>								
REMARKS								

DESCRIPTION OF WORK PERFORMED

800 915 DRILLING
 915 930 BFR RIG - 100' - OPEN HYDRO
 930 1100 DRILL
 1100 1115 Change pumps
 1115 1120 Drill

4:00 P.M. TO MIDNIGHT

WEATHER		TEMP		TOUR DRILLING, RATHOLING & REAMING RECORD				
				FROM	TO	HOURS	WEIGHT	FORMATION
				2092	2166	7 1/4	35	
DETAILS OF DRILLING STRING D.P. <u>16</u> <u>2</u> <u>3 1/2</u> <u>1515</u> <u>69</u> D.C. <u>21</u> <u>6 7/8</u> <u>615</u> <u>16</u> SUBS <u>2</u> <u>45</u>								
BIT AND CORE HEAD RECORD BIT NO. <u>2</u> <u>7 7/8</u> <u>5FC</u> <u>16944</u> <u>375</u> <u>29 1/2</u> MAKE <u>7 7/8</u> <u>5FC</u> <u>16944</u> <u>375</u> <u>29 1/2</u>								
INCLINATION AND DIRECTIONAL SURVEYS MAKE AND TYPE <u>7 7/8</u> <u>5FC</u> <u>16944</u> <u>375</u> <u>29 1/2</u> DEPTH <u>7 7/8</u> <u>5FC</u> <u>16944</u> <u>375</u> <u>29 1/2</u> DEGREE AND DIRECTION <u>7 7/8</u> <u>5FC</u> <u>16944</u> <u>375</u> <u>29 1/2</u>								
DETAILS OF MUD TESTS TIME <u>4</u> <u>9.5</u> <u>42</u> WT. <u>6</u> <u>9.5</u> <u>67</u> <u>24</u> <u>7/32</u> VIS. <u>8</u> <u>9.5</u> <u>67</u> <u>36</u> W.L. <u>10</u> <u>9.5</u> <u>65</u> CAKE <u>10</u> <u>9.5</u> <u>65</u> PH <u>10</u> <u>9.5</u> <u>65</u>								
DETAILS OF MUD ADDITIVES MATERIAL <u>Hel</u> <u>1000</u> LBS. <u>Hel</u> <u>1000</u> MATERIAL <u>Caustic</u> <u>50</u> LBS. <u>Caustic</u> <u>50</u> MATERIAL <u>ABrown</u> <u>100</u> LBS. <u>ABrown</u> <u>100</u>								
KELLY LENGTH <u>41</u> TOTAL ON HOOK <u>2177</u> <u>93</u> UP ON KELLY <u>11</u> TOTAL DEPTH <u>2166</u>								
REMARKS								

DESCRIPTION OF WORK PERFORMED

400 630 DRILL 7 7/8 HOLE
 630 645 SERVICE RIG
 645 1000 DRILL

[illegible]

SURF. CSG. SIZE _____ "AT _____
 INTER. CSG. SIZE _____ "AT _____
 K.B. ELEV. _____
 GROUND ELEV. _____
 K.B. TO CSG. FLANGE _____

CANADIAN SUPERIOR OIL LTD.

DAILY DRILLING REPORT

CONTRACTOR W. H. T.
 SERVICE/ROTARY RIG NO. 2

DATE March 1, 1967
 FIELD W. H. T.
 LEASE Ed. J. M. C.
 WELL NO. 74
 PROVINCE W. H. T.

MIDNIGHT TO 8:00 A.M.

WEATHER		TEMP		TOUR DRILLING, RATHOLING & REAMING RECORD				SIGNED		DRILLER	
STDS.	SLGS.	SIZE	LENGTH	FROM	TO	HOURS	WEIGHT	FORMATION	TIME	WT.	PH
D.P.											
D.C.											
SUBS				BIT AND CORE HEAD RECORD				DETAILS OF MUD TESTS			
				BIT NO.	SIZE	MAKE	SERIAL	FOOTAGE	HOURS		
KELLY LENGTH				INCLINATION AND DIRECTIONAL SURVEYS				DETAILS OF MUD ADDITIVES			
TOTAL ON HOOK				MAKE AND TYPE				MATERIAL			
UP ON KELLY				DEPTH				MATERIAL			
TOTAL DEPTH				DEGREE AND DIRECTION							
REMARKS				FROM				TO			

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

WEATHER		TEMP		TOUR DRILLING, RATHOLING & REAMING RECORD				SIGNED		DRILLER	
STDS.	SLGS.	SIZE	LENGTH	FROM	TO	HOURS	WEIGHT	FORMATION	TIME	WT.	PH
D.P.											
D.C.											
SUBS				BIT AND CORE HEAD RECORD				DETAILS OF MUD TESTS			
				BIT NO.	SIZE	MAKE	SERIAL	FOOTAGE	HOURS		
KELLY LENGTH				INCLINATION AND DIRECTIONAL SURVEYS				DETAILS OF MUD ADDITIVES			
TOTAL ON HOOK				MAKE AND TYPE				MATERIAL			
UP ON KELLY				DEPTH				MATERIAL			
TOTAL DEPTH				DEGREE AND DIRECTION							
REMARKS				FROM				TO			

moving in for walling
 spot build structure put pipe
 down for put down
 to get the replace the
 block

4:00 P.M. TO MIDNIGHT

WEATHER		TEMP		TOUR DRILLING, RATHOLING & REAMING RECORD				SIGNED		DRILLER	
STDS.	SLGS.	SIZE	LENGTH	FROM	TO	HOURS	WEIGHT	FORMATION	TIME	WT.	PH
D.P.											
D.C.											
SUBS				BIT AND CORE HEAD RECORD				DETAILS OF MUD TESTS			
				BIT NO.	SIZE	MAKE	SERIAL	FOOTAGE	HOURS		
KELLY LENGTH				INCLINATION AND DIRECTIONAL SURVEYS				DETAILS OF MUD ADDITIVES			
TOTAL ON HOOK				MAKE AND TYPE				MATERIAL			
UP ON KELLY				DEPTH				MATERIAL			
TOTAL DEPTH				DEGREE AND DIRECTION							
REMARKS				FROM				TO			

[illegible][illegible][illegible]

REMARKS	FROM	TO	DESCRIPTION OF WORK PERFORMED
	95	95	Moving Pig Camp 7 set up 4 loads pig moved to new location

4:00 P.M. TO MIDNIGHT				TOUR DRILLING, RATHOLING & REAMING RECORD										
WEATHER		TEMP		FROM	TO	HOURS	WEIGHT	FORMATION	SIGNED			DRILLED		
DETAILS OF DRILLING STRING									TIME			DETAILS OF MUD TESTS		
STDS.	SLGS.	SIZE	LENGTH						WT.	VIS.	W. I.	CAKE	PH	
D. P.														
D. C.														
SUBS				BIT AND CORE HEAD RECORD										
				BIT NO.	SIZE	MAKE	SERIAL	FOOTAGE	HOURS					
KELLY LENGTH									DETAILS OF MUD ADDITIVES					
									MATERIAL	LBS.	MATERIAL	LBS.		
TOTAL ON HOOK				INCLINATION AND DIRECTIONAL SURVEYS										
				MAKE AND TYPE		DEPTH		DEGREE AND DIRECTION						
UP ON KELLY														
TOTAL DEPTH														
RELEASE														

[illegible]