

MOBIL ALEX FALLS

B-07

Drilling Authority No. 250
Date Issued 27 January 1969

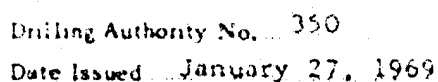
WELL NAME Mobil Mex Falls 07
FIELD Wilcox Area:
LOCATION: Unit 8 Section 07 Grid 40-40-115-45
Latitude 40-36-00.19 Longitude 115-45-38.39
From Established Reference Marker Geodetic Station "SANDY"

U.W.L.N. 40-40-115-45
U.W.I. 3048074020115450

Rig Release Date:
Status
Information Release Date

CHANGE OF NAME:

DATE RECEIVED	INDEX
27 Jan. 1969	Application for a Drilling Authority. Well Completion Data. Well History Report.
	Application to Amend a Drilling Authority.
	Application to change a Well Name.
8/4/69	Application to Abandon a Well or Suspend Drilling.
	Application to Alter Condition of a Well.
24/4/69	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.
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	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.

APR 25 1958

File page and number: Mob El Alex Fails B-07

Permit No. Expl. Permit 4189

Lease No. _____

Nobil Oil Canada, Ltd.
(Formerly Esso Canada, Ltd.)

Exploratory Licence No. 1214

Mobil Oil Canada, Ltd.
(Overseas)

Exploratory Licence No. 1214

Location: Unit B Section 07 Grid 60°40'/115°45'

Latitude 50°36'00".49 Longitude 115°45'38".39

From Established Reference Marker..... Geodetic Station "Sandy"

Universal Well Location Reference 60.60014° N. Lat. 115.76066° W. Long.

Pool(s).....Not Assigned

Interval(s) open to production.....None

Spurred Jan 28/69

Suspended

Resumed Operations

Finished Drilling	Feb 21/69	2094
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Deepened

Elevation: Gs. 730.5 K.B. 738.8

Complete (222/041)

Fig. No. 18

Abandoned Feb 23/69 2094

Drilling Contractor Redwell Servicing Company Ltd.

Not released Feb 23/69 2094

Contractor's Business Licence No. A. 2576

CASING RECORD

[illegible]

CEMENTING RECORD (Plug, Squeeze, etc.)				PERFORATING RECORD (Ball, Jet)				SERVICING RECORD (A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z)			
Date	From	To	Remarks	Date	From	To	Remarks	Date	From	To	Remarks
Feb 23/69	1190'	2094'	Plug #1 220 sks Const. Cement.								
	150'	1190'	Plug #2 260 sks Const. Cement + 4% ge felt @ 270'.								
	Surface	270'	Plug #3 50 sks Const. Cement.								
				Casing was cut off below ground level, a plate was welded on the top and a riser with identification marker was installed.							

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.	LF.R.H.P.	F.F.R.H.P.	L.H.P.	F.H.P.	REMARKS
1	Feb 9/69	Keg River	935'	1000'										Misrun.
2	Feb 9/69	Keg River	934'	1000'										Misrun.
3	Feb10/69	Keg River	934'	1000'	70	30	75	360	360	103	187	430	421	Recovered 180' salt water 48,000 ppm 180' of drilling mud.
4	Feb13/69	Keg River	1290'	1377'	60	60	60	517	517	190	448	672	672	Recovered 980' muddy salt water 42,000 ppm salt.
Pressures reported are field readings.														

ANALYSIS					PRESENT STATUS OF WELL				
Lab. No.	Sample	From	To	Source	Remarks	Oil	Gas	Dry	Susp.
C69-4573-2	Water	1290'	1377'	DST #4	Consisted of muddy water.				
C69-4573-1	Water	934'	1000'	DST #3	Dirty water.				
C69-4573-3	Water	1897'		Granite Wash	5% sediment, 95% free water.				

Company Canadian Ltd.
 Signed by [Signature]
 Title Production Superintendent
 Date April 24, 1969

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



File No. _____
Drilling Authority No. 350

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
RESOURCE MANAGEMENT DIVISION

Application to Abandon a Well or ~~Suspend Drilling~~

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

Name and number of well Mobil Alex Falls B-07
Location: Unit B Section 07 Grid 60°40' / 115°45'
Latitude 60°36' 00" .49 Longitude 115°45' 38" .39
From Established Reference Marker Geodetic Station "Sandy"
Universal Well Location Reference 60.60014° N. Lat. 115.76066° W. Long.
Permit No. Expl. Permit 4189 Lease No. _____

Mobil Oil Canada, Ltd.
(Production, Licensing, Leases)

Date of commencement of proposed program February 23, 1969

OIL, GAS, AND WATER ENCOUNTERED
(Depths)

Oil at _____
Gas at _____
Water at 1290-1377', 934-1000', 1897'
Total Depth 2094' Date of last operations February 23, 1969
Present condition of well Abandoned

CASING RECORD

Casing Size O.D. inches	Weight	Amount	Set At—	Sacks of Cement and Additives	Amount Poured
1. 7"	20	230	229'	100 sk Normal & 2% CaCl ₂	
2. _____					
3. _____					
4. _____					
5. _____					

PROPOSED ABANDONMENT PROGRAM

No.	Flag Position	Geological Formation	Number of Sacks of Cement	Remarks
1	1190-2094'	Keg River Reef - T.D.	220	Const. cement
2	150-1190'	Surface - Keg River Reef	260	Const. cement + 4% gel
3	0-270'	Surface Casing	60	Const. cement

The following logs have been run. IES, Sonic Gamma Ray Caliper, Cond. Lat. Log, SNP, Con. Dipmeter, Other operations proposed Nil Formation Density Log.

Operations to be carried out by Redwell Servicing Co. Ltd Contractor Licence No. A2576
Address _____ Address _____
Responsible Agent in field G. Berreth

Dated at _____ this 2nd Day of April 19 69
Signed by *Copy (Original Signed)* J. M. Stanford Company Mobil Oil Canada, Ltd.
Title *for* Production Superintendent Operator's Exploratory Licence No. 1214

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. Thomas
on the 21st February 1969.

Dated 8th April 19 69 *B.H.J. Thomas*
Oil Conservation Engineer

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

Drilling Authority No. 350

Project No.

File No.



DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
OIL & MINERAL ~~RECORDS DIVISION~~ 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 Mobil Alex Falls B-07

Location: Unit B Section 07 Grid 6040' / 115° 45'

Latitude 60° 36' 00".49 Longitude 115° 45' 38".39

From Established Reference Marker Geodetic Station "SANDY"

Universal Well Location Reference 60.60014° N. Lat. 115.76056° W. Long.

Elevation: Ground 730.5 K.B. feet above sea-level.

Well is expected to produce from Keg River formation at a depth

of about 910 feet. Expected total final depth 1900'

Area assigned to well

(For Oil Conservation Engineer's use only)

Permit No. Expl. Permit 4189 Lease No. Acreage 62 890

Permittee, licensee, or lessee Mobil Oil Canada, Ltd.

Exploratory Licence No. 1214

Surface owned by Crown or

(If alienated submit name and address of owner and occupant.)

Petroleum and natural-gas rights owned by Mobil Oil Canada, Ltd.

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	Scale of Cement
1. 7"	20#	J-55	New	200'	340
2.					
3.					
4.					
5.					

Expected water, gas, and oil horizons and type of control equipment. Hydrostatic head of mud gate rams and Hydril BOP's.

Middle Devonian

Well will be drilled with Rotary Rig No. 1 by Redwell Servicing Company Limited

(Drilling Contractor or company)

Responsible agent of applicant:— Contractor's business Licence No. A 2576

At well A. L. Jones At registered office J. E. Routledge

Address Financial Bldg., Edmonton 14 Address Financial Building, Edmonton 14, Alberta

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

Dated at Edmonton this 23rd day of January 1969

Signed by COPY: ORIGINAL SIGNED BY Company Mobil Oil Canada, Ltd.

Title Production Superintendent Operator's Licence No. 1214

(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 27th January 1969

Oil Conservation Engineer

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

IAND 52-90-1 (3-67)

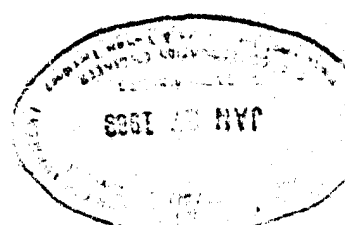
UNIQUE WELL IDENTIFIER: 300B076040115450

(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.

B. H. J. Thomas
B.H.J. Thomas
Oil Conservation Engineer



WELL HISTORY REPORT

For

MOBIL ALEX FALLS B-07

WELL HISTORY REPORT

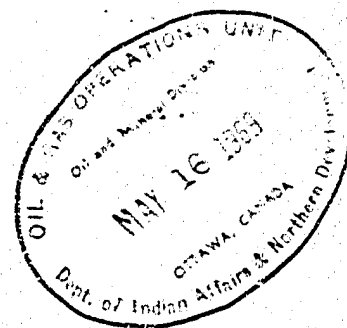
for

MOBIL ALEX FALLS B-07

Latitude N $60^{\circ} 36' 00.44''$

Longitude W $115^{\circ} 45' 38.34''$

Mobil Oil Canada, Ltd.
Northwest Area



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WELL HISTORY REPORT

SECTION I - Summary of Well Data

(a) Well Name: Mobil Alex Falls B-07

(b) Permittee: Mobil Oil Canada, Ltd.

(c) Operator: Mobil Oil Canada, Ltd.

(d) Location: Latitude N $60^{\circ}36'00.49''$ N.
Longitude W $115^{\circ}45'38.39''$ W.
Unit B, Section 07, Grid $60^{\circ}40'$; $115^{\circ}45'$
4189

(e) Permit:

(f) Drilling Contractor: Redwell Servicing Co.

(g) Drilling Authority: 350; January 23, 1969

(h) Classification: New Field Wildcat

(i) Elevations: Ground 730.5
KB 738.8

(j) Spudded: January 26, 1969

(k) Completed Drilling: February 21, 1969

(l) Total Depth: 2094 feet

(m) Well Status: Dry and Abandoned

(n) Rig Released: February 23, 1969

(o) Hole Size: $8\frac{3}{4}''$ to 229
 $6\frac{1}{2}''$ to 2094

(p) Casing: 7", JS, 20 lb at 229' KB, with 100 sacks
Normal cement + 2% CaCl_2 .

(q) Universal Well Location Reference - Lat. 60.60014° N., Long. 115.76066° W.

(r) Unique Well Identifier - 300B076040115450

SECTION II- Geological Summary

(a) Formation Top	Depth	Elevation
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Middle Devonian

Slave Point	708	+31
Watt Mountain	870	-131
Sulphur Point	937	-198
Muskey	1096	-357
Keg River	1280	-541
Buffalo River	1540	-801
Keg River Platform	1580	-841
Chinchaga	1690	-951
Basal Chinchaga	1883	-1144
Cold Lake Salt	1962	-1223
Basal Red Beds	2021	-1282

(b) Cored Intervals	-	Nil
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(c) Sample Description	
------------------------	--

0'-400'	Glacial Drift
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400'-570'	Shale, green, grey, calcareous, with interbedded grey limestone.
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570'-708'	Limestone finely crystalline, grey-brown, argillaceous, with a few stringers of tan dolomite.
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- 708'-870' Limestone finely crystalline, tan, brown, slightly dolomitic, argillaceous in part, with occasional interbed of tan dolomite.
- 870'-937' Limestone, dark brown, finely crystalline, argillaceous with interbeds of grey anhydrite and green shale. Minor gypsum at 920'.
- 937'-1096' Dolomite, white, brown, fine to medium crystalline, argillaceous. Traces of grey anhydrite. Fair to good vuggy porosity from 970'-1000'. Lost circulation zone 976'-1000'.
- 1096'-1156' Dolomite, tan, brown, finely crystalline, anhydritic, argillaceous, with interbeds of grey anhydrite.
- 1156'-1234' Anhydrite, grey, tan, dense, with interbeds of tan, finely crystalline dolomite.
- 1234'-1270' Dolomite brown, finely crystalline, anhydritic in part, argillaceous.
- 1270'-1340' Dolomite, tan, cream, fine to medium crystalline, clear. Fair intercrystalline porosity from 1310'-1340'.

1340'-1540'	Dolomite, tan, brown, finely crystalline, argillaceous, with traces of anhydrite. Minor green shale at 1480'.
1540'-1580'	Shale, dark green, grey, calcareous, waxy
1580'-1690'	Limestone, dark brown, argillaceous. Minor green shale and grey anhydrite.
1690'-1880'	Anhydrite, grey, tan, dolomitic in part.
1880'-1900'	Sandstone, grey, medium grained, well rounded, unconsolidated quartz grains with minor feldspar. Good porosity.
1900'-1962'	Shale, green, red, dolomitic. Interbeds of brown dolomite and grey anhydrite.
1962'-2020'	Salt, white.
2020'-2046'	Shale, green, red, slightly dolomitic.
2046'-2094'	Granite, pink, green, contains quartz, feldspar, and biotite.

SECTION III - Engineering Summary

(a) Report of Drillstem Tests

DST #1: February 9, 1969

Interval 935'-1000'

Misrun. Tool would not open.

DST #2: February 9, 1969

Interval 935'-1000'

Misrun. Tool would not open.

DST #3: February 10, 1969

Interval 934'-1000'

ISI 30 min, VO 70 min; FSI 75 min.

Recovery: 180' salt water, 180 feet drilling mud

Pressures: ISI 360 FSI 360

Pressures reported IF 103 FF 187
are field readings.

IH 430 FH 421

DST #4: February 13, 1969

Interval 1290'-1377'

ISI 60 min. VO 60 min. FSI 60 min.

Recovery: 980' salt water

Pressures: ISI 517 PSI 517

Pressures reported IF 190 FF 448
are field readings.

 IH 672 FH 672

(b) Casing Record

<u>Casing Size</u>	<u>Weight</u>	<u>Amount</u>	<u>Set At</u>	<u>Cement</u>
7"	20 Lb.	7 joints	229' KB	100 sacks + 2% CaCl ₂

(c) Deviation Record

<u>Depth</u>	<u>Degree</u>
416'	1°
730'	2°
1375'	3 3/4°

(d) Cementing Record

Plug #1: 2094'-1190' with 220 sacks cement. Not felt.

Plug #2: 1190'-150' with 260 sacks cement + 8% gel. Felt at 270'.

Plug #3: 270'-Surface with 50 sacks cement. Felt at 30'.

Casing was cut off below ground level, a plate was welded on the top and a riser with identification marker was installed.

(e) Lost Circulation Zones

976-1000

(f) Reports of Blowouts

February 20, 1969. Well blew mud out of hole and flowed salt water to surface. Drill depth 1897.

SECTION IV - Logs run on the 21st February 1969

Type of Log	From	To
IES	228'	2076'
Borehole Compensated Sonic	228'	2068'
Formation Density	228'	2067'
Sidewall Neutron Porosity	228'	2054'
Conductivity Laterolog	228'	2073'
Porosity Lithology	230'	2055'
Continuous Dipmeter	228'	2046'

SECTION V - Analyses

CORE ANALYSES - Nil

OIL ANALYSES - Nil

GAS ANALYSES - Nil

WATER ANALYSES - Lab Report No. C69-4573-1, C69-4573-2, C69-4573-3,

CHEMICAL & GEOLOGICAL LABORATORIES LTD.

WATER ANALYSIS

Lab No. C69-457

Received: Feb. 25/69 Reported: March 6/69

Well: location: Mobil Alex Falls B.O.7

60° 36' 00"N 115° 45' 36"W

Operator: Mobil Oil Canada, Ltd.

Field or Area:

Elev.: K.B. Grd. Zone/Formation: Keg River

Sample Interval: 934' - 1000'

Sampled by:

Date: Feb. 10/69

Method of Production: DST #3

OTHER PERTINENT DATA Recovery 360' Fluid (180' mud, 180' salt water)

(Signed)

Mg./L	Na	K	Ca	Mg	SO ₄	Cl	CO ₃	HCO ₃	
16,339			1706	530	2769	27,500	-	386	
710.73			85.13	43.57	57.60	775.50	-	6.33	
42.33			5.07	2.60	3.43	46.19	-	0.38	

Total Solids Mg/L: By Evaporation 50,200

Fe present Specific Gravity 1.037

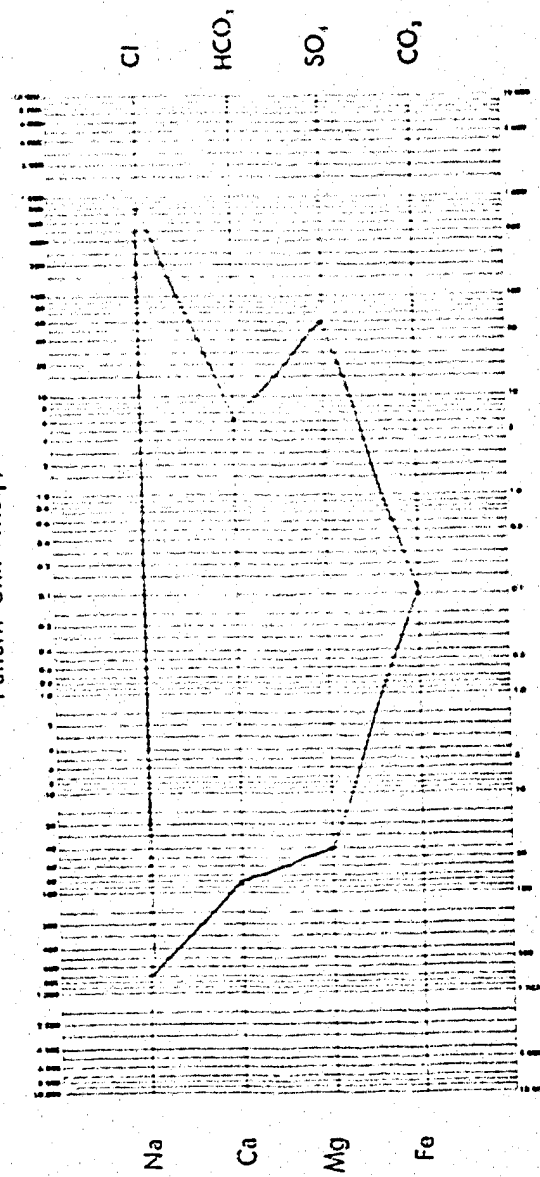
Observed pH 7.5 @ 72 °F

Calculated 49,230 After Ignition 44,930

H₂S Nil Refractive Index 1.3413

Resistivity 0.156 ohm meters @ 68 °F

Pattern Unit Meq./L



Remarks and Conclusions

Sample as received consisted of dirty water. Filtered sample was clear and light yellow.

CHEMICAL GEOLOGICAL LABORATORIES LTD.

WATER ANALYSIS

Lab No. C69-457

Received: Feb. 25, 1969 Reported: March 6, 1969

Operator: Mobil Oil Canada, Ltd.

Elev.: K.B. Grd.

Zone/Formation:

Method of Production: DST #4

Sampled from: 1060'

Sampled by:

Sample Interval: 1290' - 1377'

Date: Feb. 13, 1969

OTHER PERTINENT DATA Recovery 980' Fluid

(Signed)

Mg./L	Mg./L				SO ₄	Cl	CO ₂	HCO ₃	
	Na	K	Ca	Mg					
574.7			929	66	4159	7430	54	259	
250.01			46.36	5.43	86.51	209.24	1.80	4.25	
41.42			7.68	0.90	14.33	34.67	0.30	0.70	

Total Solids Mg/L: By Evaporation 19,984

Calculated 18,644 After Ignition 18,284

Fe Trace Specific Gravity 1.018

H₂SO₄ Refractive Index 1.3364

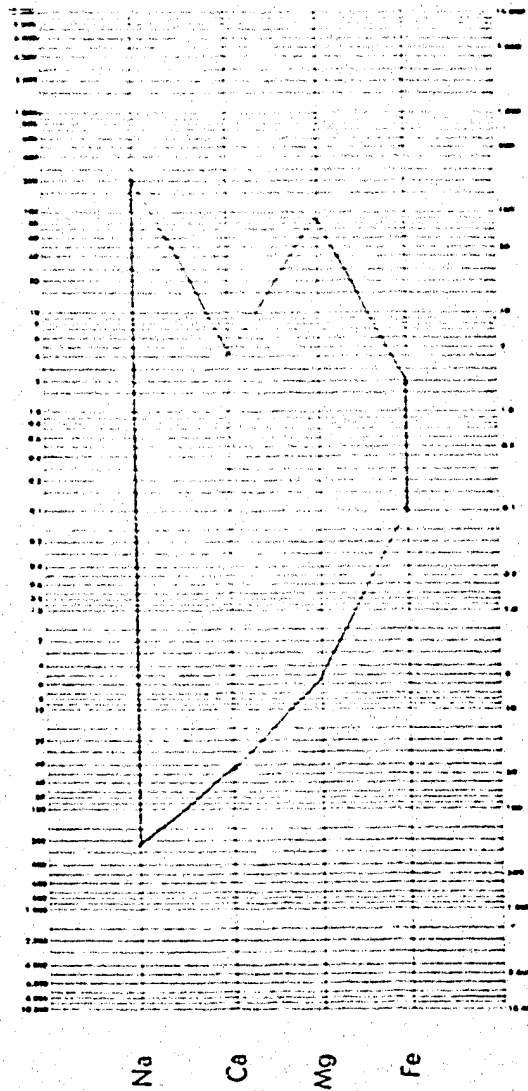
@ 60°F

@ 25°C

Observed pH 8.5

Resistivity 0.370 ohm meters @ 68 °F

Pattern Unit Meq./L



Remarks and Conclusions

Sample as received consisted of muddy water. Filtered sample was clear and yellow.

CHEMICAL GEOLOGICAL LABORATORIES LTD.

WATER ANALYSIS

Lab No.

C69-45

4533-3

Received Feb. 25, 1969 Reported: March 6, 1969

Well: Location: Mobil Alex Falls B.O.7 60° 36' 00"N 115° 45' 38"W

Operator: Mobil Oil Canada, Ltd.

Field or Area:

Elev.: K.B. 739' Grd. 731' Zone/Formation: Granite Wash

Sample Interval: 1897' K.B. Depth

Method of Production:

Sampled from: Flowing Line

Sampled by: Garry Berreth

Date Feb. 19, 1969

OTHER PERTINENT DATA

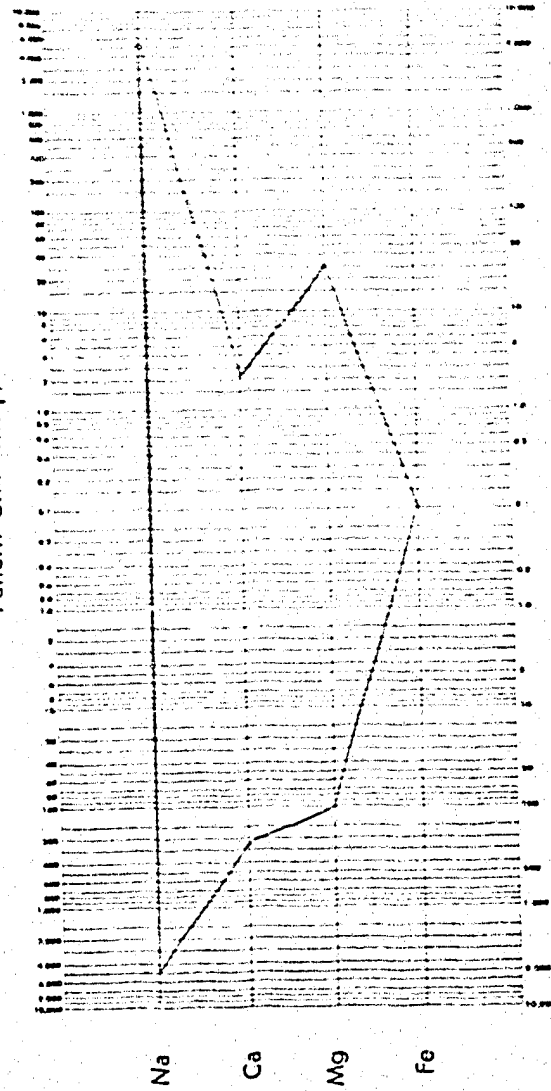
(Signed)

Mg./L	Na	K	Ca	Mg	SO ₄	Cl	CO ₃	HCO ₃
111,242			4966	1361	1569	183,100	-	161
Meq./L								
4839.03			247.80	111.87	32.64	5163.42	-	2.64
Meq. %								
46.54			2.38	1.08	0.32	49.66	-	0.02

Total Solids Mg/L: By Evaporation 303,400 Fe Trace Specific Gravity 1.198 @ 60° F Observed pH 7.5 @ 72° F

Calculated 302,399 After Ignition 292,980 H₂S Nil Refractive Index 1.3793 @ 25° C Resistivity 0.047 ohm meters @ 68° F

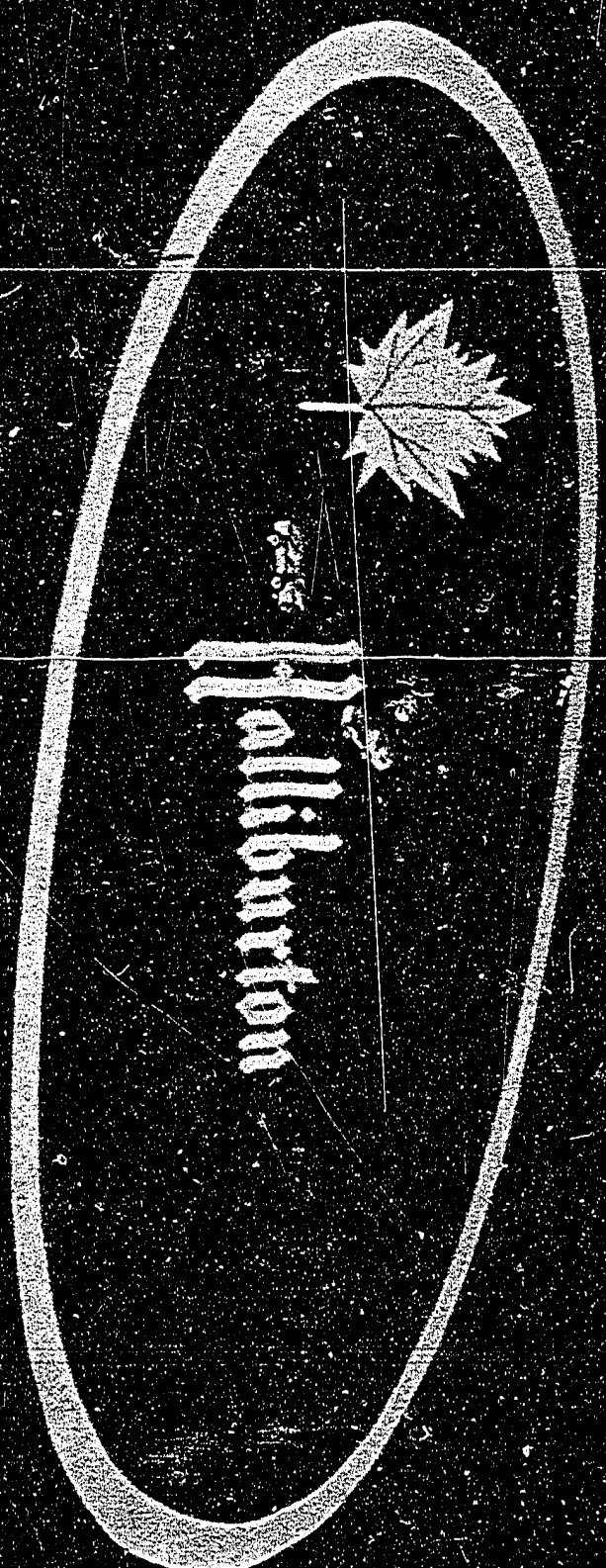
Pattern Unit Meq./L



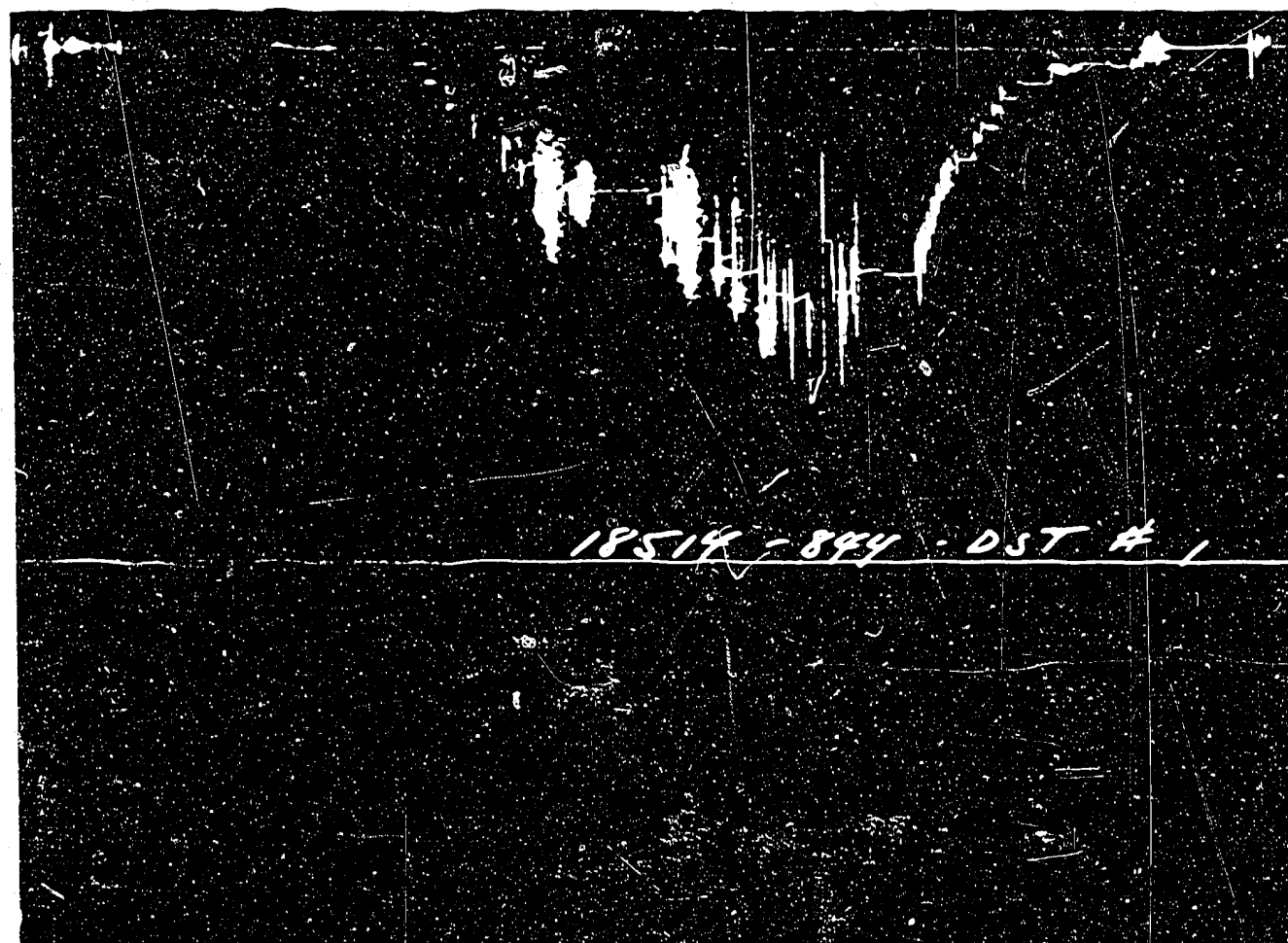
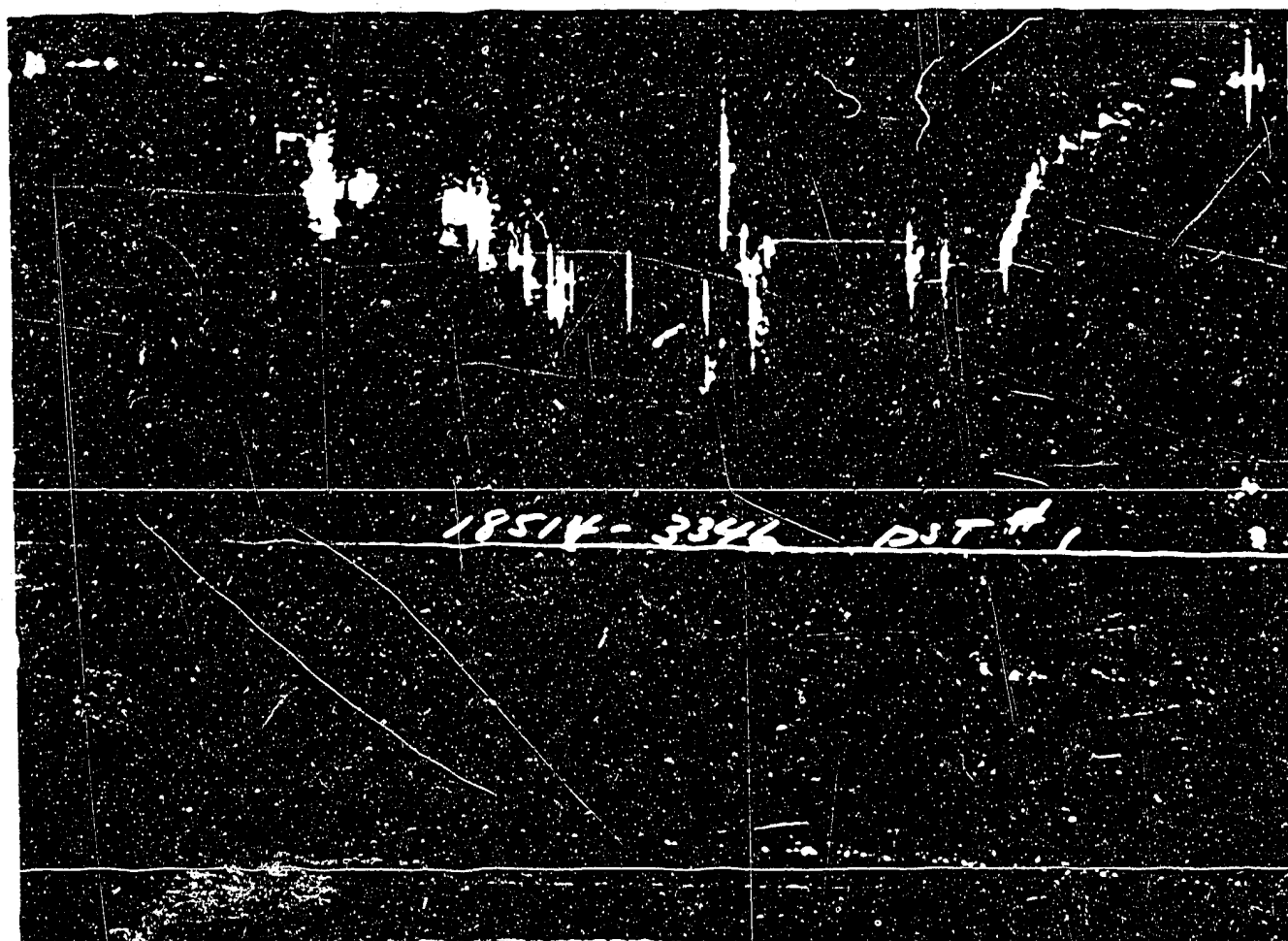
Remarks and Conclusions

Sample as received consisted of approximately 5% sediment, 95% free water. Filtered sample was clear and colorless.

Page No. Date Page No. Date Page No. Date Page No. Date



Your...
Formation Testing Service Report



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

Depth Top Gauge	925	ft.	Blanked Off	No	Date	February 9, 1969		Ticket No.	T15514			
BT P.R.D. No.	3346			12 Hr. Clock	Kind of Job	Bottom Hole		HCWOJ District	High Level			
Pressure Readings	Field		Office Corrected		Tester	W. Wolodko		Witness	A. Jones			
Initial Hydro Mud Pressure				444	Contractor	Redwell Servicing Co. Ltd.						
Initial Closed in Pressure					K.B. Elevation	Top Packer Depth	935	Bottom Packer Depth				
Initial Flow Pressure					Total Depth	1000		Casing Perforations	Top Bottom			
Final Flow Pressure					Interval Tested	935-1000		Formation Yielded	Keg River			
Final Closed in Pressure					Casing or Hole Size	6 1/4		Liner or Rathole Size				
Final Hydro Mud Pressure				441	Size Surface Choke	3/4	Size Bottom Choke	5/8	Size and Type Wall Packer	5 1/2 ES		
Depth Centre Gauge		ft.	Blanked Off		Size Drill Pipe	3 1/2 I.F.		ID and Length Drill Collars	1 7/8" x 300'			
BT P.R.D. No.				Hr. Clock	Anchor I.D. Size	O.D.		Amount-Type of Cushion				
Pressure Readings	Field		Office Corrected		Gauge Depth Temp.	°F meas. Mud °F est.		Mud Weight	9.9	Mud Viscosity	65	
Initial Hydro Mud Pressure					All Depths Measured From	K.B.		No. Folders Reproduced	11			
Initial Closed in Pressure					Time Periods (Minutes)							
Initial Flow Pressure					1st Flow	10	Initial CIP	-	2nd Flow	45	Final CIP	-
Final Flow Pressure					Recovered	120	Feet of Drilling mud.					
Final Closed in Pressure					Recovered		Feet of					
Final Hydro Mud Pressure					Recovered		Feet of					
Depth Bottom Gauge	996	ft.	Blanked Off	Yes	Oil Recovery Degrees API			Water Recovery Specific Gravity				
BT P.R.D. No.	844			12 Hr. Clock	REMARKS: Tool open at 1.10 P.M. with good air							
Pressure Readings	Field		Office Corrected		blow. Then stopped suddenly. Tool reset							
Initial Hydro Mud Pressure					and opened for 45 minutes, then pulled loose							
Initial Closed in Pressure					No blow during flow.							
Initial Flow Pressure					Misrun. Tool failed.							
Final Flow Pressure					Clock stopped							
Final Closed in Pressure					and started.							
Final Hydro Mud Pressure												

LEGAL DESCRIPTION 1150 451 W. 60° 40' N.

FIELD OR AREA ALEXANDER FALLS

PROVINCE NORTH WEST TERRITORIES

Lease Name

Well No.

Test No.

Operator's Office

Lease Owner

NORBIT ALLEN FALLS

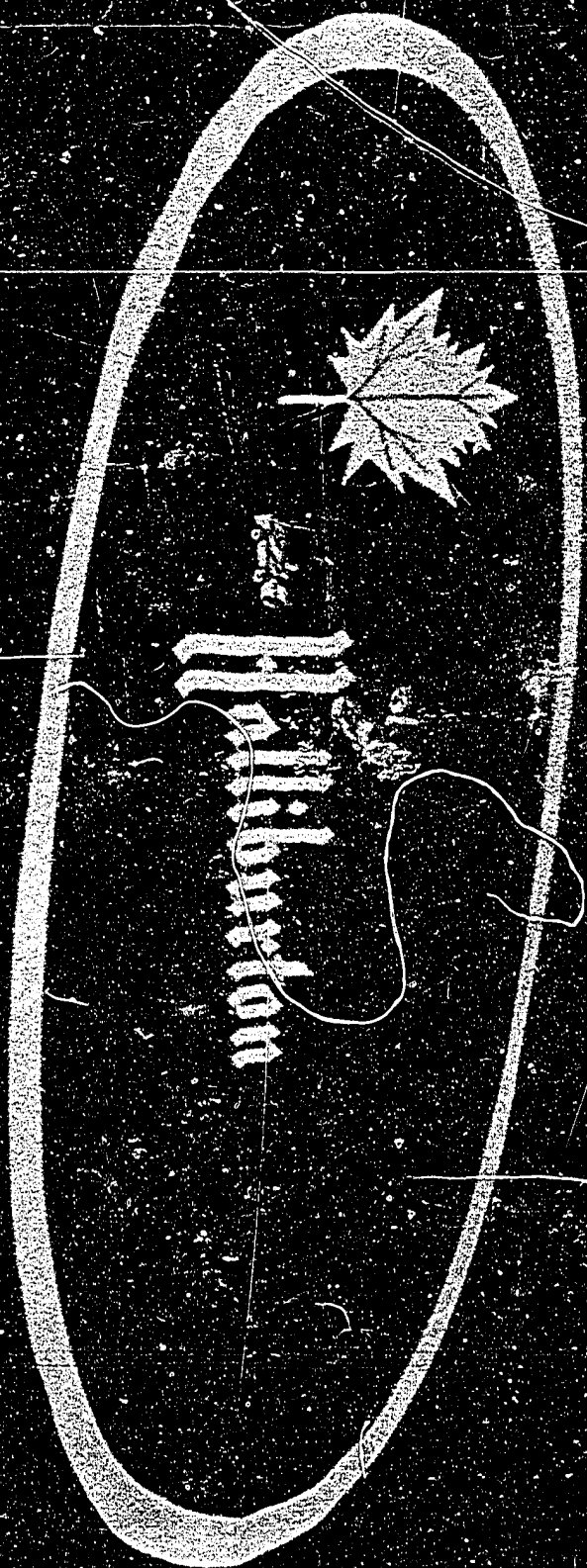
B-7

1

CALGARY

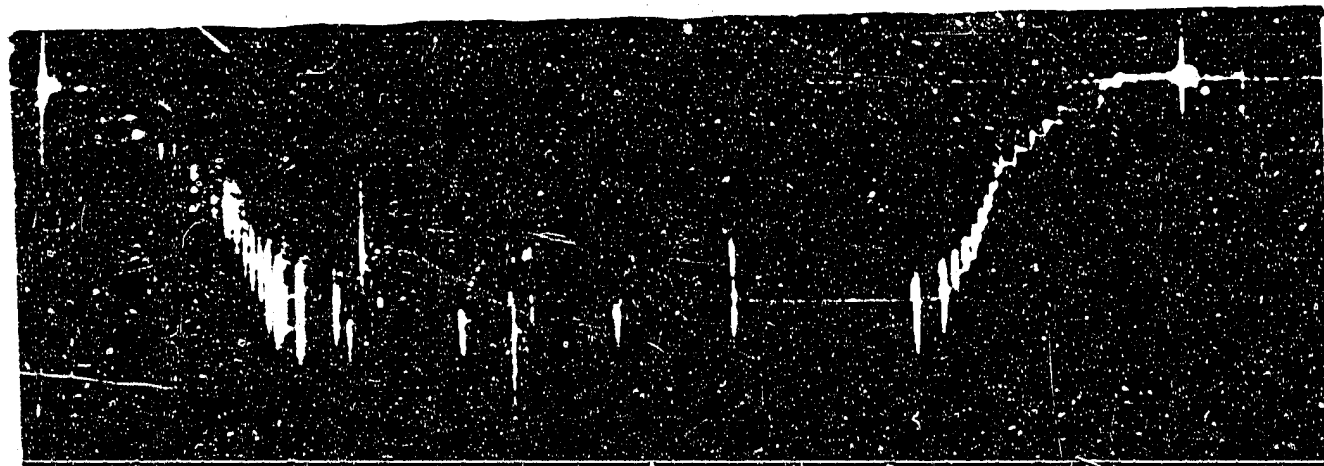
NORBIT OIL CANADA LTD.

10

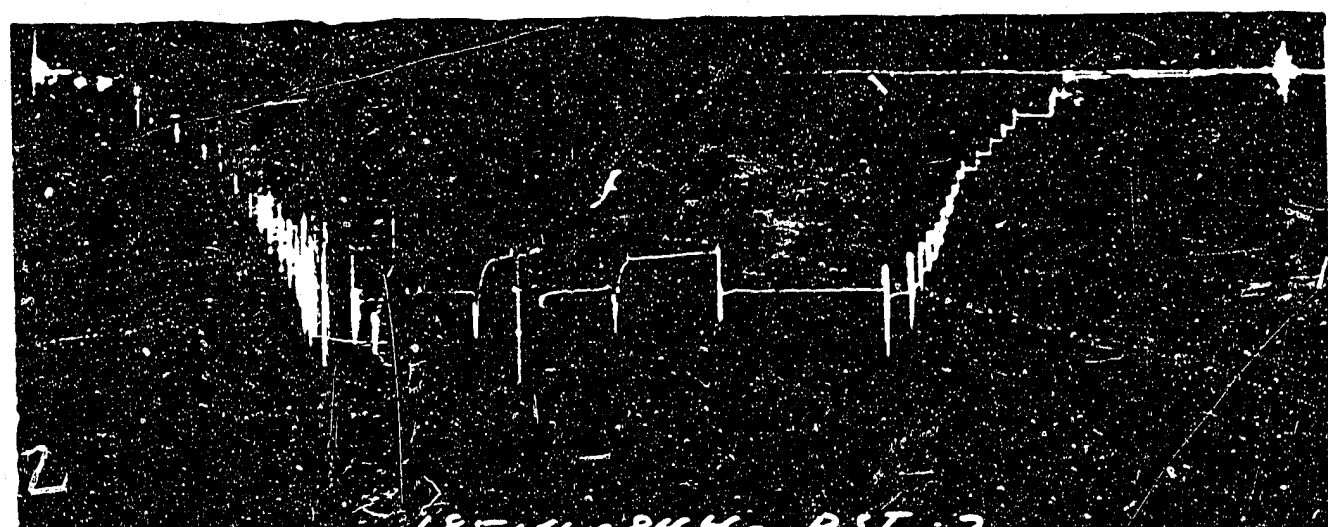
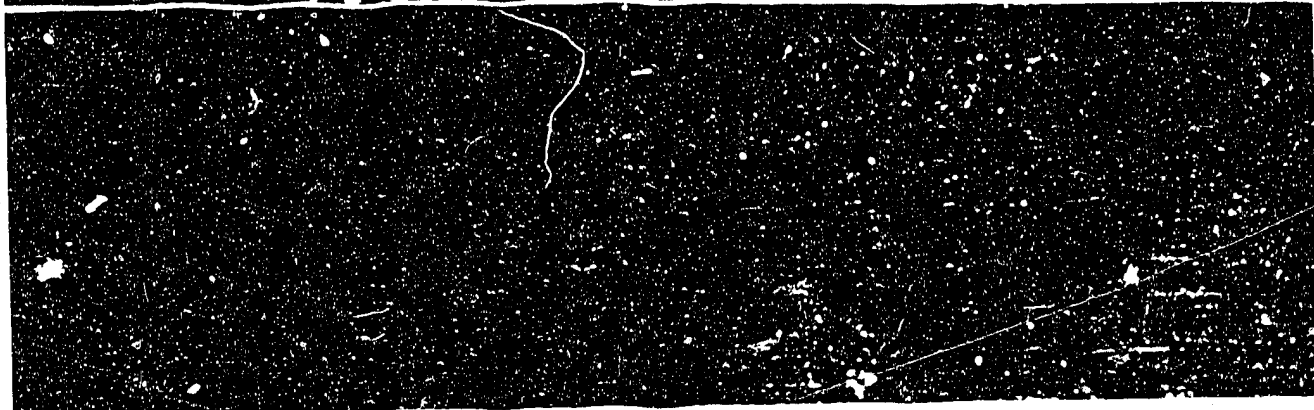


Your:

Formation Testing Service Report



18514-3346-057-2

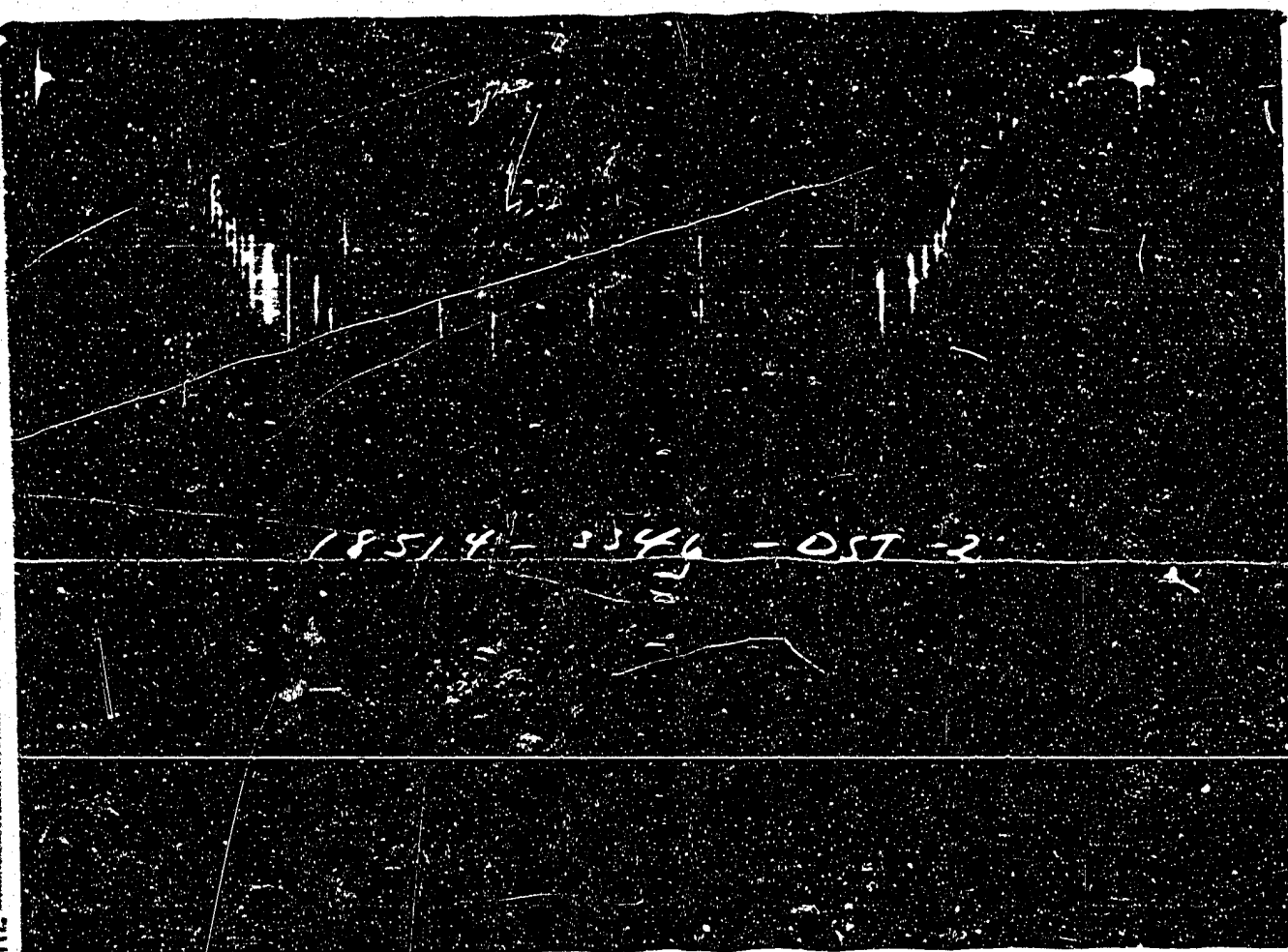


18514-844-057-2



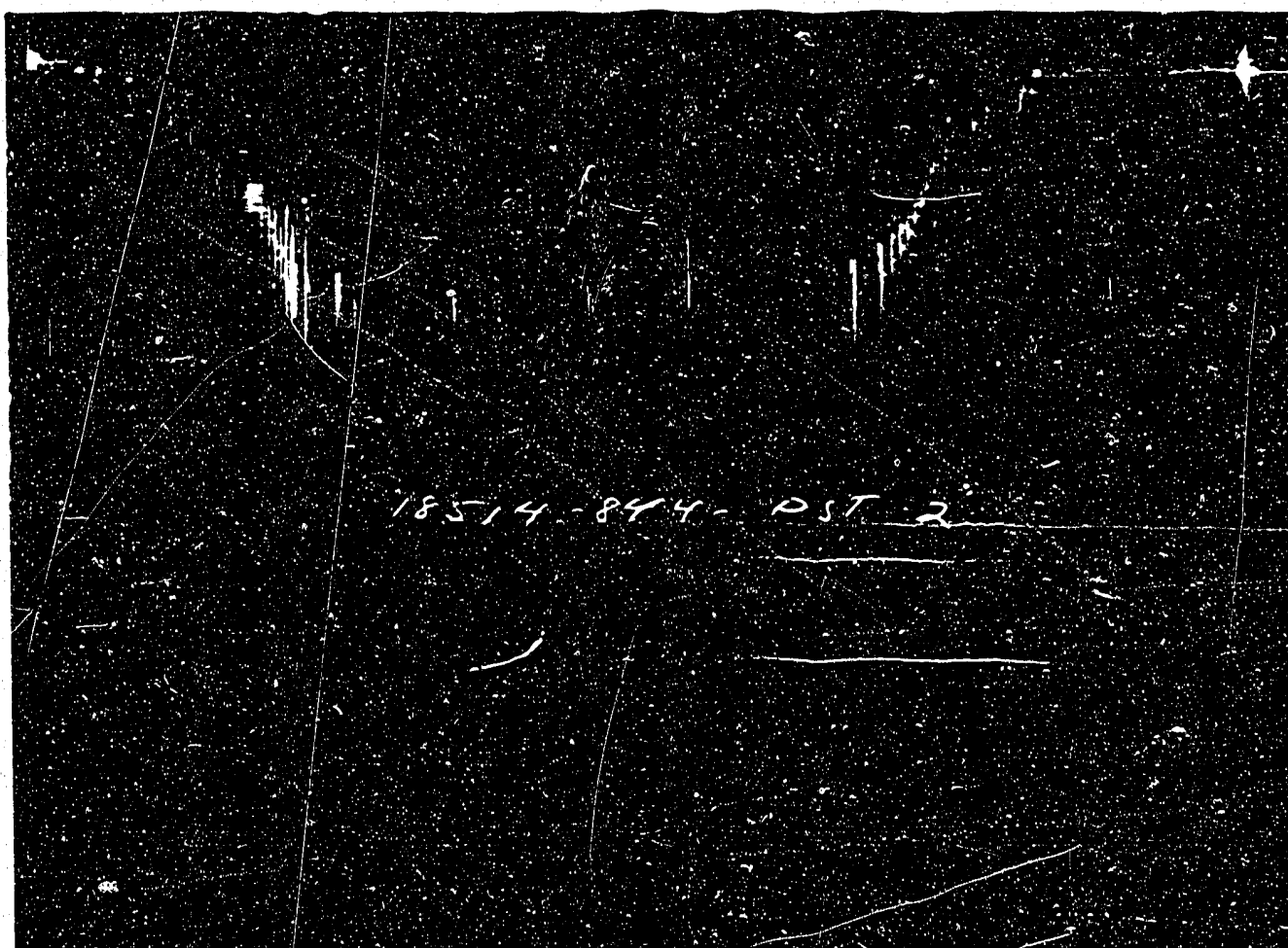
Each image is 1000 p.m.

← 1000
PRESSURE



18514-5546-DST-2

TIME



18514-844-DST-2

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

Depth Top Gauge	925	Blanked Off	No	Date	February 9, 1969	Ticket No.	TH514
BT P.R.D. No.	3346		7904 12 Hr. Clock	Kind of Job	Bottom Hole	HOWCO District	High Level
Pressure Readings	Field		Office Corrected	Tester	W. Wolodko	Witness	A. Jones
Initial Hydro Mud Pressure			445	Contractor	Redwell Servicing Co. Ltd.		
Initial Closed in Pressure				K.B. Elevation	Top Packer Depth	934	Bottom Packer Depth
Initial Flow Pressure				Total Depth	1000	Casing Perforations	Top Bottom
Final Flow Pressure				Interval Tested	934-1000	Formation Tested	Keg River
Final Closed in Pressure				Casing or Hole Size	6 1/4	Liner or Rathole Size	
Final Hydro Mud Pressure			445	Size Surface Choke	3/4	Size Bottom Choke	5/8
				Size and Type Well Packer	5 1/2 ES		
Depth Bottom Gauge		Blanked Off		Size Drill Pipe	3 1/2 I.F.	ID and Length Drill Collars	1 7/8" x 300'
BT P.R.D. No.			Mr. Clock	Anchor I.D. Size	O.D.	Amount-Type of Cushion	
Pressure Readings	Field		Office Corrected	Gauge Depth Temp.	"F meas. Mud "F out. Weight	9.9	Mud Viscosity
Initial Hydro Mud Pressure				All Depths Measured From	K.B.	No. Folders Reproduced	11
Initial Closed in Pressure				Time Periods (Minutes)			
Initial Flow Pressure				1st Flow	10	Initial CIP	30
Final Flow Pressure				2nd Flow	40	Final CIP	60
Final Closed in Pressure				Recovered	5	Feet of Muddy fresh water.	
Final Hydro Mud Pressure				Recovered		Feet of	
				Recovered		Feet of	
				Recovered		Feet of	
Depth Bottom Gauge	996	Blanked Off	Yes	Oil Recovery Degrees API	Water Recovery Specific Gravity		
BT P.R.D. No.	844		7915 12 Hr. Clock	REMARKS: Tool open at 9.00 P.M. with very weak			
Pressure Readings	Field		Office Corrected	blow. Tool picked up for shut in. Tool			
Initial Hydro Mud Pressure			478	picked up and reset during second flow. No			
Initial Closed in Pressure				blow during second flow.			
Initial Flow Pressure				Misrun. Tool failed.			
Final Flow Pressure							
Final Closed in Pressure							
Final Hydro Mud Pressure			478				

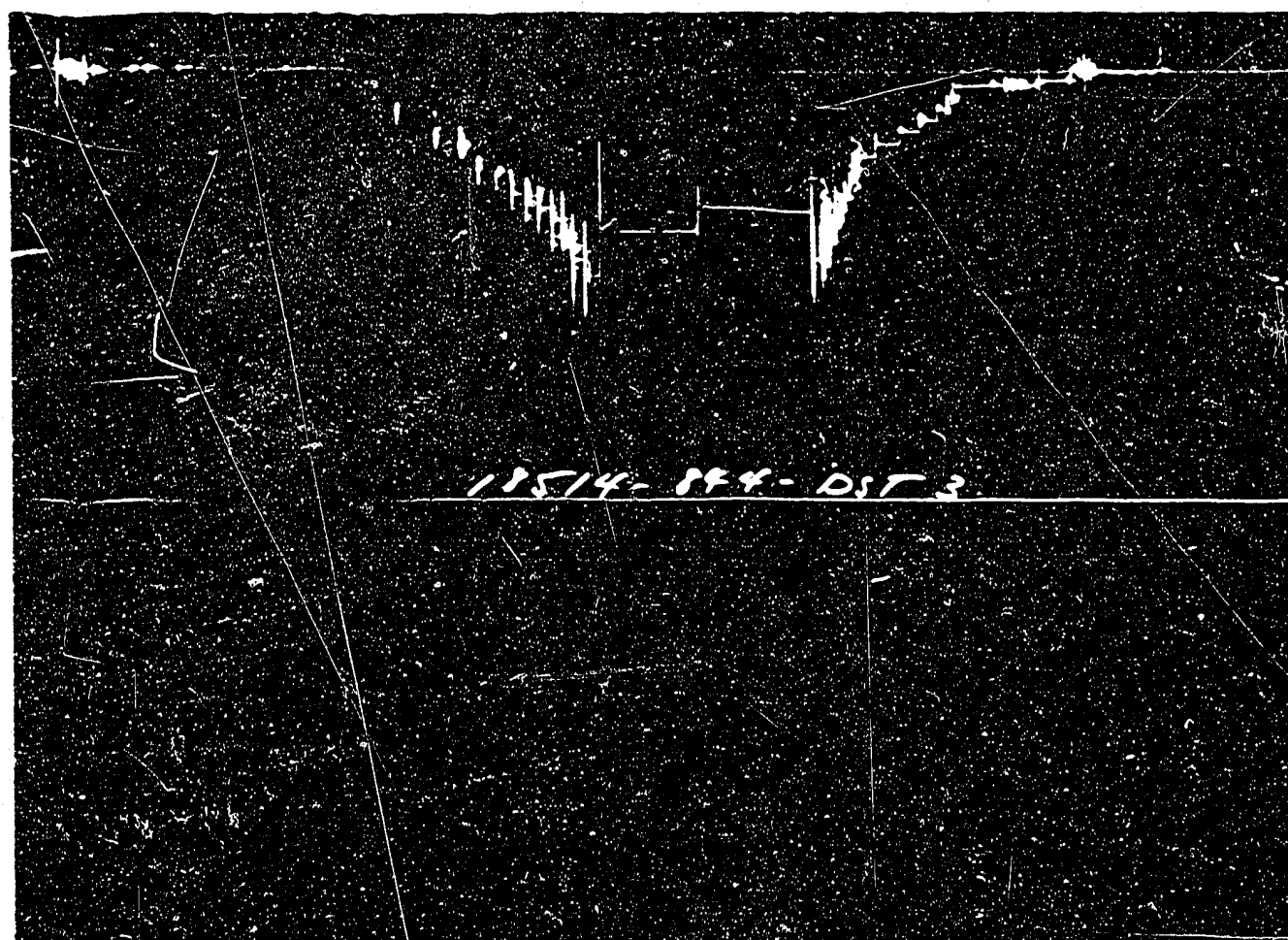
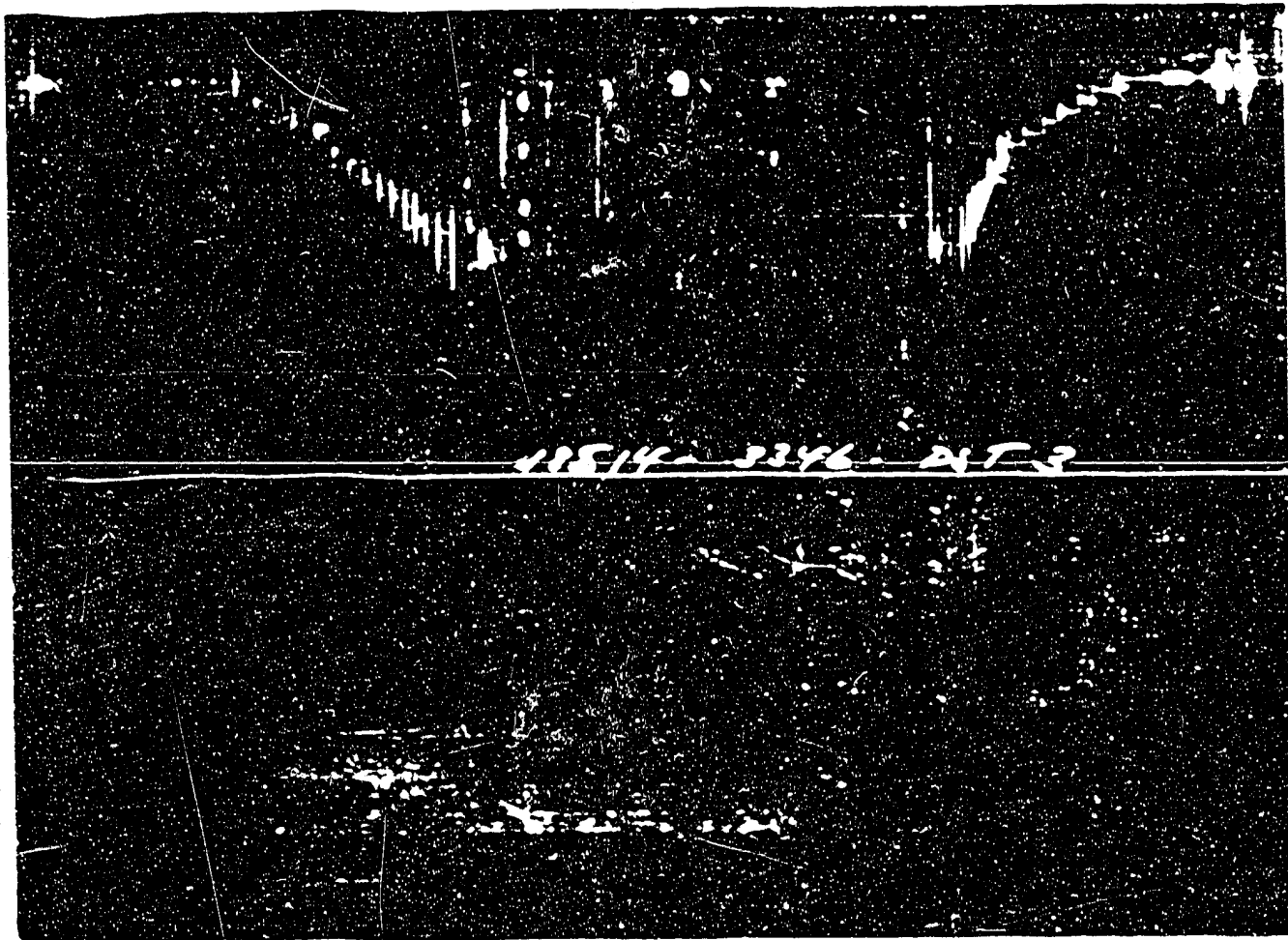
LEGAL DESCRIPTION 60° 40' N.
 115° 45' W.
 Lease Name
 Well No. B-7
 Field or Area 2
 Owner's District
 Province NORTH WEST TERRITORIES
 Lease Owner
 NORTH OIL CANADA LTD.
 CALGARY
 ALEXANDER FALLS
 NOBLE MIN FALLS

☐ Yes
☐ No
☐ Not sure



Your

Formation Testing Service Report



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

PRESSURE

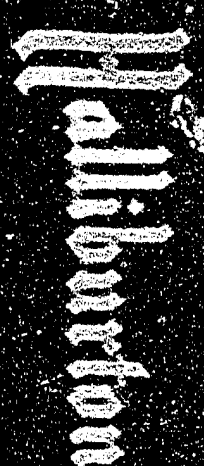
TIME

18514-3346-DST 3

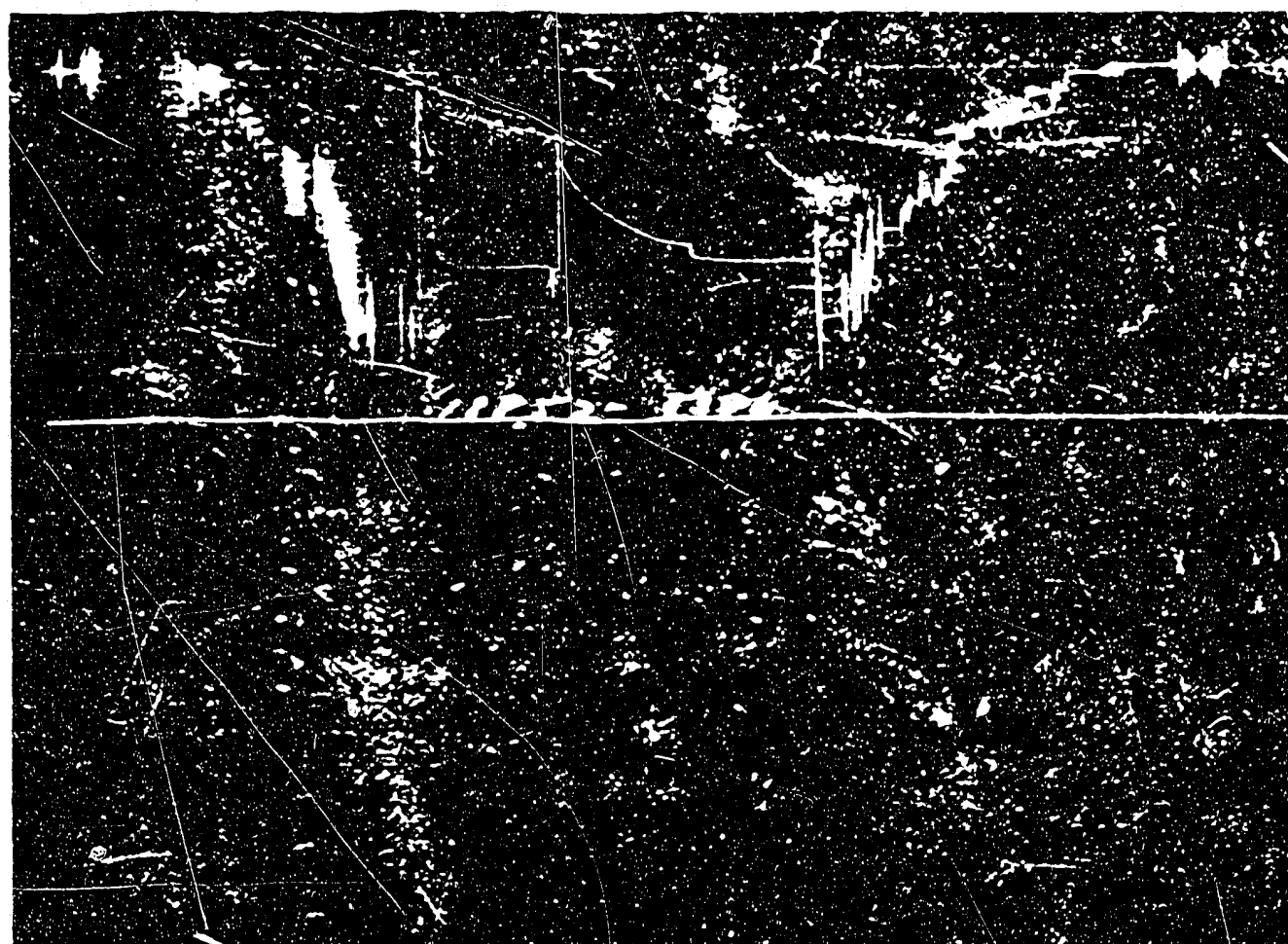
18514-844-DST 3

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

Depth Top Gauge 925 Ft. Blanked Off No			Date February 10, 1969		Ticket No. T16514		LEGAL DESCRIPTION 60° 40' N. 115° 45' W.	LEASE NAME NORTH ALEX FALLS
BT P.R.D. No. 3346 12 Hr. Clock			Kind of Job Bottom Hole		HOWCO District High Level			
Pressure Readings Field Office Corrected			Tester W. Wolodko		Witness A. Jones			
Initial Hydro Mud Pressure 430 430			Contractor Redwell Servicing Co. Ltd.					
Initial Closed in Pressure 360 346			K B Elevation		Top Packer Depth 934 Bottom Packer Depth			
Initial Flow Pressure 103 106			Total Depth 1000		Casing Perforations Top Bottom			
Final Flow Pressure 187 190			Interval Tested 934-1000		Formation Tested Keg River			
Final Closed in Pressure 360 350			Casing or Hole Size 6 1/4		Liner or Rat-hole Size			
Final Hydro Mud Pressure 421 426			Size Surface Choke 3/4		Size Bottom Choke 5/8 Size and Type Wall Packer 5 1/2 ES			
Depth Centre Gauge Ft. Blanked Off			Size Drill Pipe 3 1/2 I.F.		ID and Length Drill Collars 1 7/8" x 300'			
BT P.R.D. No. Mr. Clock			Anchor I.D. Size O.D.		Amount-Type of Cushion			
Pressure Readings Field Office Corrected			Gauge Depth Temp.		°F meas. Mud Weight 9.9 °F est. Mud Viscosity 45			
Initial Hydro Mud Pressure			All Depths Measured From K.B.		No. Folders Reproduced 11			
Initial Closed in Pressure			Time Periods (Minutes) 1st Flow 8 Initial CIP 30 2nd Flow 70 Final CIP 75					
Initial Flow Pressure			Recovered 180 Feet of Drilling mud.					
Final Flow Pressure			Recovered 180 Feet of Black sulphurous salt water.					
Final Closed in Pressure			Recovered Feet of					
Final Hydro Mud Pressure			Recovered Feet of					
Depth Bottom Gauge 996 Ft. Blanked Off Yes			Oil Recovery Degrees API		Water Recovery Specific Gravity		PROVINCE NORTH WEST TERRITORIES	
BT P.R.D. No. 844 12 Hr. Clock			REMARKS: Tool open at 11.52 A.M. with good air					
Pressure Readings Field Office Corrected			blow. Remaining steady throughout preflow.					
Initial Hydro Mud Pressure			Tool open for second flow with weak air					
Initial Closed in Pressure Clock stopped			blow, steady throughout.					
Initial Flow Pressure and started.								
Final Flow Pressure								
Final Closed in Pressure								
Final Hydro Mud Pressure								



Formation Testing Service Report



Each Horizontal line Equal to 1000 p.s.m.

Depth Top Gauge	1277 Ft.	Blanked OH	No	Date	February 13, 1969	Ticker No.	TL8452
BT P.R.D. No.	844	7915	12 Hr. Clock	Kind of Job	Single Bottom Hole	HOWCO District	High Level
Pressure Readings	Field	Office Corrected		Tester	F. Walsh	Witness	A. Jones
Initial Hydro Mud Pressure		671		Contractor	Redwell Servicing Co. Ltd.		
Initial Closed in Pressure		513		K.B. Elevation	Top Packer Depth	1290	Bottom Packer Depth
Initial Flow Pressure		209		Total Depth	1377	Casing Perforations	Top Bottom
Final Flow Pressure		455		Interval Tested	1290-1377	Formation Tested	
Final Closed in Pressure		509		Casing or Hole Size	6 1/4	Liner or Rathole Size	
Final Hydro Mud Pressure		665		Size Surface Choke	Size Bottom Choke	Size and Type Wall Packer	5 1/2" ES
Depth Centre Gauge	Ft.	Blanked OH		Size Drill Pipe	3 1/2 I.F.	ID and Length Drill Collars	2 1/4" x 421.68'
BT P.R.D. No.			Hr. Clock	Anchor I.D. Size O.D.		Amount-Type of Cushion	
Pressure Readings	Field	Office Corrected		Gauge Depth Temp.	"F. meas. Mud "F. est. Weight	9.8	Mud Viscosity 81
Initial Hydro Mud Pressure				All Depths Measured From	K.B.	No. Folders Reproduced	11
Initial Closed in Pressure				Time Periods (Minutes) 1st Flow 5 Initial CIP 60 2nd Flow 60 Final CIP 60			
Initial Flow Pressure				Recovered	980	Feet of Salty water.	
Final Flow Pressure				Recovered		Feet of	
Final Closed in Pressure				Recovered		Feet of	
Final Hydro Mud Pressure				Recovered		Feet of	
Depth Bottom Gauge	1373 Ft.	Blanked OH	Yes	Oil Recovery Degrees API	Water Recovery Specific Gravity		
BT P.R.D. No.	3346	7904	12 Hr. Clock	REMARKS: Open tool at 8.30 P.M. with fair air			
Pressure Readings	Field	Office Corrected		blow. Shut in at 8.35 P.M. Reopened at			
Initial Hydro Mud Pressure	729	736		9.35 P.M. with fair air blow, decreasing.			
Initial Closed in Pressure	579	573		Shut in at 10.35 P.M. Pulled loose at			
Initial Flow Pressure	224	267		11.35 P.M.			
Final Flow Pressure	486	512					
Final Closed in Pressure	579	559					
Final Hydro Mud Pressure	729	721					

LEGAL DESCRIPTION 60° 40' N. 115° 45' W.

LEASE NAME NOBEL ALEX FALLS

WELL No. P-7

TOOL No. 4

OWNER'S DISTRICT CALGARY

PROVINCE NORTH WEST TERRITORIES

LEASE OWNER NOBEL OIL CANADA LTD.

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE FEB 23/69

No. _____ DAILY TIME SHEET 3-35

Well _____ (REV. 1/68)

FIELD or AREA: ALEX FALLS WELL NAME & No. ALICE ALY FALLS B⁹ CONTRACTOR REDWELL SERVICES RIG No. 18 Approved _____ Date _____

TIME	MUD RECORD				BIT WT. M	TABLE RPM	PUMP		DEVIATION		START	STOP	HRS.	WORK RECORD				FROM	TO	FOOTAGE	HRS.	SIZE	Tour 1	Midnite to 8 A.M.	Hrs.																														
	WT.	VISC.	W.L.	F.C.			SPM	PRESS	DEPTH	DEG.				DRILLED	REAMED	CORED	TALLY									BIT RECORD	REMARKS AND INJURIES:																												
2 A.M.																																																							
4 A.M.																																																							
6 A.M.																																																							
8 A.M.																																																							
LINER SIZE: _____ STROKE _____ MUD & CHEMICALS LBS. Added: _____ KIND _____														12-8 TOUR 1200 115 11/4 11/4 5 BGS GEL FOR CEMENTING 115 10 214 R/L UP TO CEMENT + CEMENT (260 bags) 100 130 11/4 RUN OUT 16 STANDS 130 145 11/4 FLUSH B.O.P. - DRAIN AND TANK 145 150 11/4 PREPARE TO LAY DOWN PIPE 150 160 11/4 RUN STANDS IN MOUSE HOLE + LAY DOWN 160 170 11/4 RIG OUT FLOW NIPPLE LINE, HYDRIL + LINES 170 180 11/4 DRAIN CELLAR ETC														TALLY No. LENGTH BIT No. SIZE MAKE TYPE SERIAL JET SIZE FROM TO FOOTAGE HRS. COND. STANDS SINGLE D.C.'s KELLY IN TOTAL RAT HOLETOP														REMARKS AND INJURIES:													
LINER SIZE: _____ STROKE _____ MUD & CHEMICALS LBS. Added: _____ KIND _____														8-4 TOUR 1000 915 11/4 LAY DOWN HYDRIL - RUN SANDLINE TO 915 1030 11/4 FEET FOR PLUG 1030 1130 11/4 PICK UP 9 SINGLES RUN INTO CEMENT 1130 1230 11/4 CEMENT + LAY DOWN PIPE 1230 1330 11/4 FLUSH B.O.P., SUB FLOOR + LENS 1330 1430 11/4 RIGGING OUT 1430 1530 11/4 RIG RELEASED 2PM Feb 23/69 1530 1630 11/4 Camp Released Feb 23/69 1630 1730 11/4														TALLY No. LENGTH BIT No. SIZE MAKE TYPE SERIAL JET SIZE FROM TO FOOTAGE HRS. COND. STANDS SINGLE D.C.'s KELLY IN TOTAL RAT HOLETOP														REMARKS AND INJURIES:													
LINER SIZE: _____ STROKE _____ MUD & CHEMICALS LBS. Added: _____ KIND _____														4-12 TOUR 1094 1220 11/4 Plug #1 T.D. - 1094 1220 1320 11/4 220 sacks cor. of con. 1320 1420 11/4 Down @ 10:30 PM Feb 23 1420 1520 11/4 Plug #2 1094 - 250' 1520 1620 11/4 Down @ 1:45 AM Feb 23/69 1620 1720 11/4 260 sacks + B7. Gel (Dry) 1720 1820 11/4 Plug #2 @ 270' K.B. 1820 1920 11/4 Plug #3 270' - surface 1920 2020 11/4 50 sacks cor. of con. 2020 2120 11/4 Plug #3 @ 30' K.B.														TALLY No. LENGTH BIT No. SIZE MAKE TYPE SERIAL JET SIZE FROM TO FOOTAGE HRS. COND. STANDS SINGLE D.C.'s KELLY IN TOTAL RAT HOLETOP														REMARKS AND INJURIES:													

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ EQUIPMENT DAILY USE _____

TIME LOST _____

APPROVED: G. Beneth

DAILY DRILLING REPORT

No. _____ DAILY TIME SHEET 3-35
Well _____ (REV. 11/68)

[illegible]

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____
RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: _____ APPROVED: *LB*

Approved _____ Date _____

RIG No. 42

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: _____ APPROVED: _____

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE FEB 20/69

No. _____ DAILY TIME SHEET 3-35
(REV. 1/68)
Well _____

No. _____

Approved _____ Date _____

FIELD or AREA: ALEX FALLS WELL NAME & No. MOBILE ALEX FALLS B² CONTRACTOR REDWELL SERVICING RIG No. 18

TIME	MUD RECORD				BIT WT. M	TABLE RPM	PUMP		DEVIATION		START	STOP	HRS.	WORK RECORD				FROM	TO	FOOTAGE	HRS.	SIZE	Tour 1	Midnite	Hrs.																								
	WT.	VISC.	W.L.	F.C.			SPM	PRESS	DEPTH	DEG.				DRILLED	REAMED	CORED	TALLY									BIT RECORD	FLOORMAN	FLOORMAN	FIREMAN																				
2 A.M.											12 ⁰⁰	12 ⁴⁵	3 1/4	BLEED OFF WELL - Pump DOWN To Kill Well																																			
4 A.M.											12 ⁴⁵	3 ³⁰	2 3/4	COND. MUD To GET WT. To 9.65																																			
6 A.M.											3 ⁵⁰			CIRC. HOLE - 105T ALL MUD IN TANK																																			
8 A.M.													9 ⁰⁰	4 1/2	GET WATER BEING BACK MUDID SAME WITH HYDROGEL & WEIGHT MATERIAL To REACH WEIGHT OF 9.9/lb. To Equalize WITH WEIGHT OF 300T WATER (9.9) IN HOLE																																		
LINER SIZE: STROKE														TALLY				BIT RECORD				REMARKS AND INJURIES:																											
MUD & CHEMICALS														No.				LENGTH				BIT No.																											
LBS. Added														KIND				STANDS				SIZE				1 1/4																							
2000														WEIGHT MATERIAL (SPARTAN)				SINGLE				MAKE				Read																							
500														HYDROGEL				D.C.'s				TYPE				VHR																							
1400														WEIGHT MATERIAL (SPARTAN)								SERIAL				163688																							
																						JET SIZE																											
																						FROM																											
																						TO																											
																						FOOTAGE																											
																						HRS.																											
																						COND.																											
BOP Tested														DRILLER:				CONTRACTOR'S TIME				CO's. TIME				RAT HOLETOP																							
MUD RECORD														BIT				TABLE				PUMP				DEVIATION				START				STOP				HRS.											
WT. VISC. W.L. F.C.														M				RPM				SPM				PRESS				DEPTH				DEG.															
10 A.M.											10 ⁰⁰	11 ⁰⁰	1 1/4	COND. MUD WITH HYDROGEL & WEIGHT MATERIAL																																			
NOON											11 ⁰⁰	1 ⁰⁰	1	FLOW WELL																																			
2 P.M.											1 ⁰⁰	1		SHUT IN FOR PRESSURE BUILD UP BEHIND																																			
4 P.M.														PRESS AT 98165 FLOWING AT 28165																																			
LINER SIZE: STROKE														TALLY				BIT RECORD				REMARKS AND INJURIES:																											
MUD & CHEMICALS														No.				LENGTH				BIT No.																											
LBS. Added														KIND				STANDS				SIZE																											
																		SINGLE				MAKE																											
																		D.C.'s				TYPE																											
																						SERIAL																											
																						JET SIZE																											
																						FROM																											
																						TO																											
																						FOOTAGE																											
																						HRS.																											
																						COND.																											
BOP Tested														DRILLER:				CONTRACTOR'S TIME				CO's. TIME				RAT HOLETOP																							
MUD RECORD														BIT				TABLE				PUMP				DEVIATION				START				STOP				HRS.											
WT. VISC. W.L. F.C.														M				RPM				SPM				PRESS				DEPTH				DEG.															
6 P.M.											12 ⁰⁰	12 ⁰⁰		Commence Drilling																																			
8 P.M.																																																	
10 P.M.																																																	
12 P.M.																																																	
LINER SIZE: STROKE														TALLY				BIT RECORD				REMARKS AND INJURIES:																											
MUD & CHEMICALS														No.				LENGTH				BIT No.																											
LBS. Added														KIND				STANDS				SIZE				6 3/4																							
																		SINGLE				MAKE				Read																							
																		D.C.'s				TYPE				VHR																							
																						SERIAL				163688																							
																						JET SIZE																											
																						FROM																											
																						TO																											
																						FOOTAGE																											
																						HRS.																											
																						COND.																											
BOP Tested														DRILLER:				CONTRACTOR'S TIME				CO's. TIME				RAT HOLETOP																							

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: _____

APPROVED: E. Bennett

DAILY DRILLING REPORT

DATE FEB 18/67

No. _____ DAILY TIME SHEET 3-35
(REV. 1/68)
Well _____

FIELD or AREA: ALFA FALLS

WELL NAME & No. MOBILE ALEX FALLS B#7 CONTRACTOR REDWELL SERVICING

RIG No. 18

No. _____

Approved _____ Date _____

[illegible]

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: _____ APPROVED: _____

DAILY DRILLING REPORT

No. _____ DAILY TIME SHEET 3-35
(REV. 11/68)

MUD RECORD										WORK RECORD										12-8 TOUR										
TIME					BIT WT. M	TABLE RPM	PUMP		DEVIATION		START	STOP	HRS.				FROM	TO	FOSSAGE	HRS.	SIZE	TOUR	MIDNITE TO 8 A.M.	FIS.						
	WT.	VISC.	W.L.	F.C.			SPM	PRESS	DEPTH	DEG.																				
2 A.M.	90	47			12	80	60	775			12	405	47		DRILL 6' 1/4			1652	1711	39	9 1/2	6 1/4	DRILLER	B. FISHER	12					
4 A.M.	88	49			11	78	60	775			405	50	1/4	CHECK VALVES ON PUMP (SAND PUMP JACK, etc.)								DERRICK	P. RIBBINS	12						
6 A.M.	91	52			14	76	62	300			50	80	3	DRILL 6' 1/4								MOTORMAN	C. MAIR	12						
8 A.M.	94	59			14	86	10	30						TOTAL DEPTH 12-8 = 8' 00" 1702'								FLOORMAN	F. HICK	34						
															TALLY					BIT RECORD										
															No.	LENGTH		BIT No.	12							FLOORMAN				
															21	STANDS		SIZE	6 1/4							FIREMAN				
																SINGLE		WAVE	2-							2 K. ORBIT				

LINER SIZE: 5 1/2 STROKE 10"		SINGLE		MAKE K.F.E.D.	
MUD & CHEMICALS		D.C.'s		TYPE 11H.R	
LBS. Added	KIND	SERIAL		7781241	
50	CAUSTIC	JET SIZE		45	
50	C.M.C.	FROM		2623	
500	HYDROBEL	TO		1714	
		KELLY IN 1913-89	FOOTAGE		61
		TOTAL	HRS.		57
		COND.			
		REMARKS AND INJURIES:			

										BOP Tested			DRILLER:	CONTRACTOR'S TIME			CO's TIME		RAT HOLE TOP		COND.													
MUD RECORD				BIT WT.	TABLE	PUMP		DEVIATION		START	STOP	HRS.	8-4 TOUR										FROM	TO	FOOTAGE	HRS.	SIZE	Tour 2	8 A.M. to 4 P.M.	Hrs.				
WT.	VISC.	W.L.	F.C.	Lb	RPM	SPM	PRESS	DEPTH	DEG.																									
										9:00	9:45	13 1/2	DRILL 6" 1/4																					
10 A.M.										9:45	11:15	1 1/2	PULL OUT OF HOLE - FILL HOLE																					
NOON										11:15	11:30	1 1/4	CUT OFF FLOW NIPPLE FOR SHIPS																					
2 P.M.										1:30	12:00	1 1/2	START TO RUN IN																					
4 P.M.																																		

LINER SIZE:		STROKE	
MUD & CHEMICALS			
LBS. Added	KIND	SINGLE	MAKE
		D.C.'s	TYPE
			SERIAL
			JET SIZE
			FROM
			TO
		KELLY IN	FOOTAGE
		TOTAL	HRS.
		REMARKS AND INJURIES:	

[illegible]

LINER SIZE:		STROKE			SINGLE	MAKE	10-ET	
MUD & CHEMICALS					D.C.'s	TYPE	$\diamond$	
LBS. Added	KIND	LBS.	ON HAND			SERIAL	FC 1910	
600	Gell					JET SIZE		REMARKS AND INJURIES:
						FROM	7'14"	
						TO	17'-0"	
					KELLY IN	FOOTAGE	31	
					TOTAL	HRS.	4 1/2	

BOP Tested		DRILLER:	CONTRACTOR'S TIME	CO's. TIME	RATHOLETOP	COND.

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____
RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: _____ APPROVED: M. Benoit

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____
RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: _____ APPROVED: G. Benth CALGARY OFFICE

No. _____ DAILY TIME SHEET 3-35
(REV. 8/67)
Well _____

FIELD or AREA: ALFA FALLS WELL NAME & No. ALFA FALLS B⁹ CONTRACTOR KED WELL SERV

RIG No. _____ Approved _____ Date _____

FIELD or AREA: 1161 F. R. L. S. WELL NAME & No. 1161 F. R. L. S. B										CONTRACTOR: H. E. D. W. H. S. J. L.																			
MUD RECORD										WORK RECORD										12-8 TOUR									
TIME										START										FROM									
WT. VISC. W.L. F.C.										STOP										TO									
BIT WT. M										HRS.										FOOTAGE									
TABLE RPM										PUMP SPM PRESS										HRS. SIZE									
PUMP PRESS										DEVIATION DEPTH DEG.										Tour 1									
2 A.M.										12 A.M.										DRILLER									
4 A.M.										3 A.M.										DERRICK									
6 A.M.										4 A.M.										MOTORMAN									
8 A.M.										5 A.M.										FLOORMAN									
45										3 1/2										H. K. L. I. X									
5 1/2										3 1/2										FIREMAN									
STROKE 10										2 1/2										R. K. O. R. B. A. T.									
MUD & CHEMICALS										DRILLER: 7										REMARKS AND INJURIES:									
LBS. Added										CONTRACTOR'S TIME										8 A.M. to 4 P.M.									
KIND										CO's TIME										Hrs.									
8 A.M. Depth 1396										8-4 TOUR										Hrs.									
10 A.M.										12 A.M.										DRILLER									
NOON										1 A.M.										DERRICK									
2 P.M.										2 A.M.										MOTORMAN									
4 P.M.										3 A.M.										FLOORMAN									
LINER SIZE: STROKE										4 P.M.										FIREMAN									
MUD & CHEMICALS										5 P.M.										REMARKS AND INJURIES:									
LBS. Added										6 P.M.										Hrs.									
KIND										7 P.M.										Hrs.									
8 P.M.										8 P.M.										DRILLER									
9 P.M.										9 P.M.										DERRICK									
10 P.M.										10 P.M.										MOTORMAN									
11 P.M.										11 P.M.										FLOORMAN									
12 P.M.										12 P.M.										FIREMAN									
LINER SIZE: STROKE										1 A.M.										REMARKS AND INJURIES:									
MUD & CHEMICALS										2 A.M.										Hrs.									
LBS. Added										3 A.M.										Hrs.									
KIND										4 A.M.										Hrs.									
5 P.M.										5 P.M.										DRILLER									
6 P.M.										6 P.M.										DERRICK									
7 P.M.										7 P.M.										MOTORMAN									
8 P.M.										8 P.M.										FLOORMAN									
9 P.M.										9 P.M.										FIREMAN									
10 P.M.										10 P.M.										REMARKS AND INJURIES:									
11 P.M.										11 P.M.										Hrs.									
12 P.M.										12 P.M.										Hrs.									
LINER SIZE: STROKE										1 A.M.										Hrs.									
MUD & CHEMICALS										2 A.M.										Hrs.									
LBS. Added										3 A.M.										Hrs.									
KIND										4 A.M.										Hrs.									
5 P.M.										5 P.M.										DRILLER									
6 P.M.										6 P.M.										DERRICK									
7 P.M.										7 P.M.										MOTORMAN									
8 P.M.										8 P.M.										FLOORMAN									
9 P.M.										9 P.M.										FIREMAN									
10 P.M.										10 P.M.										REMARKS AND INJURIES:									
11 P.M.										11 P.M.										Hrs.									
12 P.M.										12 P.M.										Hrs.									
LINER SIZE: STROKE										1 A.M.										Hrs.									
MUD & CHEMICALS										2 A.M.										Hrs.									
LBS. Added										3 A.M.										Hrs.									
KIND										4 A.M.										Hrs.									
5 P.M.										5 P.M.										DRILLER									
6 P.M.										6 P.M.										DERRICK									
7 P.M.										7 P.M.										MOTORMAN									
8 P.M.										8 P.M.										FLOORMAN									
9 P.M.										9 P.M.										FIREMAN									
10 P.M.										10 P.M.										REMARKS AND INJURIES:									
11 P.M.										11 P.M.										Hrs.									
12 P.M.										12 P.M.										Hrs.									
LINER SIZE: STROKE										1 A.M.										Hrs.									
MUD & CHEMICALS										2 A.M.										Hrs.									
LBS. Added										3 A.M.										Hrs.									
KIND										4 A.M.										Hrs.									
5 P.M.										5 P.M.										DRILLER									
6 P.M.										6 P.M.										DERRICK									
7 P.M.										7 P.M.										MOTORMAN									
8 P.M.										8 P.M.										FLOORMAN									
9 P.M.										9 P.M.										FIREMAN									
10 P.M.										10 P.M.										REMARKS AND INJURIES:									
11 P.M.										11 P.M.										Hrs.									
12 P.M.										12 P.M.										Hrs.									
LINER SIZE: STROKE										1 A.M.										Hrs.									
MUD & CHEMICALS										2 A.M.										Hrs.									
LBS. Added										3 A.M.										Hrs.									
KIND										4 A.M.										Hrs.									
5 P.M.										5 P.M.										DRILLER									
6 P.M.										6 P.M.										DERRICK									
7 P.M.										7 P.M.										MOTORMAN									
8 P.M.										8 P.M.										FLOORMAN									
9 P.M.										9 P.M.										FIREMAN									
10 P.M.										10 P.M.										REMARKS AND INJURIES:									
11 P.M.										11 P.M.										Hrs.									
12 P.M.										12 P.M.										Hrs.									
LINER SIZE: STROKE										1 A.M.										Hrs.									
MUD & CHEMICALS										2 A.M.										Hrs.									
LBS. Added										3 A.M.										Hrs.									
KIND										4 A.M.										Hrs.									
5 P.M.										5 P.M.										DRILLER									
6 P.M.										6 P.M.										DERRICK									

CASING TESTED TO: _____ PSI. MIN: _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____
RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION: _____ GALS WIRELINE TON MILE _____ TOOL-PUSHER: _____ APPROVED: G. Bennett CALGARY OFFICE

MOBIL OIL CANADA, LTD.
DRILL STEM TEST REPORT

3-37 (REV. 4/67)

WELL NAME MOBIL ALEX FALLS BOT LOCATION 60° 40' N 115° 45' W SEC 13 TWP 13 RGE 13 W. M
DATE FEB 13 1969 TEST NO. 4 INTERVAL FROM 1288 TO 1377 KB

TESTING COMPANY Howco OPERATOR HARVEY Smith
TYPE OF TOOL MCII CHOKE SIZE 5/8

STRING DATA
DRILLING STRING TOTAL 1406.54 FT. JARS NONE

LAY DOWN <u>3.00</u>	PICK UP	
DOWN ON BELL	TAIL PIPE <u>25.80</u>	(18' PERFS)
DRILL COLLARS	INTERVAL	PICKUP <u>52.00</u>
SUBS	SUBS	LESS LAY DOWN <u>29.00</u>
STANDS	TEST TOOL <u>26.20</u>	STICK UP <u>23.00</u>
SINGLES	SINGLES	MEASURED <u>24.80</u>
OTHERS	OTHERS	STICK UP
TOTAL <u>29.00</u>	TOTAL <u>52.00</u>	

TOP PACKER TYPE AND SIZE 22" EX. SHO E

BOTTOM PACKER TYPE AND SIZE

HOVE DATA MUD CUSHION

"CASING TO	WT <u>9.6</u> /GAL	TYPE
"CASING TO	VISC <u>8.5</u> SEC/QT	VOLUME
"CASING TO <u>229</u>	WL <u>8.0</u> CC/30 MIN	PRESSURE
"HOLE TO	GEL <u>1.5</u> INITIAL	
"HOLE TO <u>1377</u>	LOST CIRC MATERIAL YES ☒ NO ☐	
	TYPE <u>NIL</u>	

START IN <u>530</u> AM	INITIAL OPEN <u>8:25</u> AM	5 MIN	<u>110</u>	PSIG
ON BOTTOM <u>8</u> AM	INITIAL SHUT IN <u>9:30</u> AM	60 MIN	<u>517</u>	PSIG
PULLED LOOSE <u>11:20</u> AM	TOOL OPEN <u>9:30</u> AM	60 MIN	<u>490</u>	PSIG
OUT OF HOLE <u>1:15</u> PM	TOOL CLOSED <u>10:30</u> AM	60 MIN	<u>448</u>	PSIG
	FINAL SHUT IN <u>11:30</u> PM		<u>517</u>	PSIG
	HYDROSTATIC HEAD <u>672</u> F		<u>672</u>	PSIG

RECOVERY TOTAL 980 FT CUSHION 0 FT NET 980 FT OIL 0 FT WATER 980 FT mud by Salt Water
MUD 0 FT FLOWING RATE 0 BBLS/HR 42000 PPM

GAS RATES TIME RISER OD PITOT SIDE STATIC MCF/DAY

1 Weak Blow on Inflow decreasing to very weak
2 bubbles at
3 end of VO
4

REMARKS DESCRIBE RECOVERY FULLY AND NOTE AT WHAT POINT THE SAMPLES WERE TAKEN

Sampler taken top, bottom of fluid

SIGNATURE

DATE

No. _____ DAILY TIME SHEET 3-35
(REV. 8/67)
Well _____

FIELD or AREA: ALEX FALLS WELL NAME & No. MOBILE ALEX FALLSST CONTRACTOR REDWELL SERV

RIG No. 18

Approved _____ Date _____

[illegible]

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____
RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: _____ APPROVED: G. Bennett CALGARY OFFICE

ASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____
 G FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: _____ APPROVED: B. Bennett

CALGARY OFFICE

No. _____ DAILY TIME SHEET 3-35
(REV. 8/67)
Well _____

DAILY DRILLING REPORT

FIELD or AREA: ALEX. FALLS WELL NAME & No. MOBILE ALEX. FALLS 5th CONTRACTOR REDWELL SEAR

RIG No. 7

Approved _____ Date _____

[illegible]

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____
RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: _____ APPROVED: G. Smith CALGARY OFFICE

No. _____ DAILY TIME SHEET 3.35
Well _____ (REV. 8/67)

FIELD or AREA: ALEX. FALLS WELL NAME & No. MOBILE ALEX. FALLS CONTRACTOR REDWELL SERV

RIG No. 1

Approved _____ Date _____

FIELD or AREA: 11-11-53										WELL NAME & NO. 11-11-53										WORK RECORD										12-8 TOUR										FROM										TO										FOOTAGE										HRS.										SIZE										Tour 1										Midnite to 8 A.M.										Hrs.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
MUD RECORD										BIT										TABLE										PUMP										DEVIATION										START										STOP										HRS.										DRILLED										REAMED										CORED										DRILLER										DERRICK										MOTORMAN										FLOORMAN										FLOORMAN										FIREMAN										REMARKS AND INJURIES:																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
TIME										WT.										VISC.										W.L.										F.C.										BIT										WT.										M.										RPM										SPM										PRESS										DEPTH										DEG.										12:00										12:15										1:00										1:15										2:00										2:15										3:00										3:15										4:00										4:15										5:00										5:15										6:00										6:15										7:00										7:15										8:00										8:15										9:00										9:15										10:00										10:15										11:00										11:15										12:00										12:15										1:00										1:15										2:00										2:15										3:00										3:15										4:00										4:15										5:00										5:15										6:00										6:15										7:00										7:15										8:00										8:15										9:00										9:15										10:00										10:15										11:00										11:15										12:00										12:15										1:00										1:15										2:00										2:15										3:00										3:15										4:00										4:15										5:00										5:15										6:00										6:15										7:00										7:15										8:00										8:15										9:00										9:15										10:00										10:15										11:00										11:15										12:00										12:15										1:00										1:15										2:00										2:15										3:00										3:15										4:00										4:15										5:00										5:15										6:00										6:15										7:00										7:15										8:00										8:15										9:00										9:15										10:00										10:15										11:00										11:15										12:00										12:15										1:00										1:15										2:00										2:15										3:00										3:15										4:00										4:15										5:00										5:15										6:00										6:15										7:00										7:15										8:00										8:15										9:00										9:15										10:00										10:15										11:00										11:15										12:00										12:15										1:00										1:15										2:00										2:15										3:00										3:15										4:00										4:15										5:00										5:15										6:00										6:15										7:00										7:15										8:00										8:15										9:00										9:15										10:00										10:15										11:00										11:15										12:00										12:15										1:00										1:15										2:00										2:15										3:00										3:15										4:00										4:15										5:00										5:15										6:00										6:15										7:00										7:15										8:00										8:15										9:00										9:15										10:00										10:15										11:00										11:15										12:00										12:15										1:00										1:15										2:00										2:15										3:00										3:15										4:00										4:15										5:00										5:15										6:00										6:15										7:00										7:15										8:00										8:15										9:00										9:15										10:00										10:15										11:00										11:15										12:00										12:15										1:00										1:15										2:00										2:15										3:00										3:15										4:00										4:15										5:00										5:15										6:00										6:15										7:00										7:15										8:00										8:15										9:00										9:15										10:00										10:15										11:00										11:15										12:00										12:15										1:00										1:15										2:00										2:15										3:00										3:15										4:00										4:15										5:00										5:15										6:00										6:15										7:00										7:15										8:00										8:15										9:00										9:15										10:00										10:15										11:00										11:15										12:00										12:15										1:00										1:15										2:00										2:15										3:00										3:15										4:00										4:15										5:00										5:15										6:00										6:15										7:00										7:15										8:00										8:15										9:00										9:15										10:00										10:15										11:00										11:15										12:00										12:15										1:00										1:15										2:00									

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: _____ APPROVED: *[Signature]*

CALGARY OFFICE

MOBIL OIL CANADA, LTD.

DAILY DRILLING REPORT

DATE FEB 9/61

No. _____ DAILY TIME SHEET 3-35
(REV. 8/67)

FIELD or AREA: _____

WELL NAME & No. MOBILE ALER FALLS B¹⁷ CONTRACTOR REDWELL SERV.RIG No. 18

Approved _____ Date _____

TIME	MUD RECORD				BIT WT. M	TABLE RPM	PUMP		DEVIATION		START	STOP	HRS.	WORK RECORD		12-8 TOUR	FROM	TO	FOOTAGE	HRS.	SIZE	Tour 1	Midnite to 8 A.M.	Hrs.																									
	WT.	VISC.	W.L.	F.C.			SPM	PRESS	DEPTH	DEG.				DRILLED	REAMED										CORED	DRILLER	DERRICK	MOTORMAN	FLOORMAN	FLOORMAN	FIREMAN																		
2 A.M.																																																	
4 A.M.																																																	
6 A.M.																																																	
8 A.M.																																																	
LINER SIZE: _____ STROKE _____ MUD & CHEMICALS LBS. Added _____ KIND _____														TALLY No. _____ LENGTH _____ STANDS _____ SINGLE _____ D.C.'s _____ BIT No. _____ SIZE _____ MAKE _____ TYPE _____ SERIAL _____ JET SIZE _____ FROM _____ TO _____ FOOTAGE _____ HRS. _____ COND. _____														REMARKS AND INJURIES: _____																					
BOP Tested _____														DRILLER: _____ CONTRACTOR'S TIME _____ CO'S. TIME _____														KELLY IN _____ TOTAL _____ RATHOLETOP _____				FOOTAGE _____ HRS. _____ COND. _____																	
MUD RECORD WT. VISC. W.L. F.C. BIT WT. M TABLE RPM SPM PRESS DEPTH DEG.														10 A.M. _____ NOON _____ 2 P.M. _____ 4 P.M. _____														TALLY No. _____ LENGTH _____ STANDS _____ SINGLE _____ D.C.'s _____ BIT No. _____ SIZE _____ MAKE _____ TYPE _____ SERIAL _____ JET SIZE _____ FROM _____ TO _____ FOOTAGE _____ HRS. _____ COND. _____														REMARKS AND INJURIES: _____							
LINER SIZE: _____ STROKE _____ MUD & CHEMICALS LBS. Added _____ KIND _____														BOP Tested _____														DRILLER: _____ CONTRACTOR'S TIME _____ CO'S. TIME _____														KELLY IN _____ TOTAL _____ RATHOLETOP _____				FOOTAGE _____ HRS. _____ COND. _____			
MUD RECORD WT. VISC. W.L. F.C. BIT WT. M TABLE RPM SPM PRESS DEPTH DEG.														6 P.M. _____ 8 P.M. _____ 10 P.M. _____ 12 P.M. _____														TALLY No. _____ LENGTH _____ STANDS _____ SINGLE _____ D.C.'s _____ BIT No. _____ SIZE _____ MAKE _____ TYPE _____ SERIAL _____ JET SIZE _____ FROM _____ TO _____ FOOTAGE _____ HRS. _____ COND. _____														REMARKS AND INJURIES: _____							
LINER SIZE: _____ STROKE _____ MUD & CHEMICALS LBS. Added _____ KIND _____														BOP Tested _____														DRILLER: _____ CONTRACTOR'S TIME _____ CO'S. TIME _____														KELLY IN _____ TOTAL _____ RATHOLETOP _____				FOOTAGE _____ HRS. _____ COND. _____			

1. Run in hole with test
2. Made up test. Could not run plugged
made up tong (pump)
3. Made up tong (pump)
4. Made up tong (pump)
5. Made up tong (pump)
6. Made up tong (pump)
7. Made up tong (pump)
8. Made up tong (pump)
9. Made up tong (pump)
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37. Made up tong (pump)
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43. Made up tong (pump)
44. Made up tong (pump)
45. Made up tong (pump)
46. Made up tong (pump)
47. Made up tong (pump)
48. Made up tong (pump)
49. Made up tong (pump)
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99. Made up tong (pump)
100. Made up tong (pump)

DST #2 - 1000 - 934 -
1. WIPR PREFLOW - 50 min. (in hole) 181 - 40
2. 30 FS1-60 - 1HM. 483 - 131 - ?
3. 19 FFP - 346(?) FHM 483
4. REC. 6" WATER - (HELD IN FROM DRILL PUMP)
5. BOP Tested _____

DRILLER: W. L. DUBOIS CONTRACTOR'S TIME _____ CO'S. TIME _____

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: _____ APPROVED: _____

CALGARY OFFICE

No. _____ DAILY TIME SHEET 3-35
Well _____ (REV. 8/67)

FIELD or AREA: ALEY FALLS WELL NAME & No. MURKIN ALEY FALLS #1 CONTRACTOR KEDWELL PERU

RIG No. 15

Approved _____ Date _____

[illegible]

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____
RIG FUEL CONSUMPTION _____ GALS. BOILER FUEL CONSUMPTION _____ GALS. WIRELINE TON MILE _____ TOOL PUSHER: J. Longman APPROVED: [Signature]

CALGARY OFFICE

No. _____

Approved _____ Date _____

CALGARY OFFICE

No. _____ DAILY TIME SHEET 3-35
(REV. 8/67)

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL JOBS _____

No. _____

[illegible][illegible][illegible][illegible]

CALGARY OFFICE

No. _____

Approved _____ Date _____

CASING TESTED TO: 100 PSI. MIN. FORMATION TESTED 100 PSI. MIN. EQUIPMENT FAILURES TIME LOST
RIG FUEL CONSUMPTION GALS. BOILER FUEL CONSUMPTION GALS. WIRELINE TON MILE TOOL PUSHER: APPROVED: CALGARY OFFICE

No. _____ **DAILY TIME SHEET** 3-35
Well _____ (REV. 8/67)

[illegible][illegible]

CASING TESTED TO: 1000 PSI. MIN. 40 FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____
RIG FUEL CONSUMPTION _____ GALS. BOILER FUEL CONSUMPTION _____ GALS. WIRELINE TON MILE _____ TOOL-PUSHER: J. E. Brown APPROVED: [Signature]

CALGARY OFFICE

CALGARY OFFICE

60-36-01 N.
115-45-38 W

MOBIL OIL CANADA, LTD.
CASING AND CEMENTING REPORT

3-38 (REV. 4/67)

B07

WELL NAME

MOBIL ALEY FALLS.

DATE

JAN. 31-1969

LOCATION LS —, SEC —, TWP —, RGE —, W — M

CASING (LIST IN ORDER RUN)

SIZE	WT	GRADE	THREADS NO.	TYPE	NEW OR USED	NO. JOINTS	LENGTH TOTAL
1 7	20	JS	8	RD	NEW	7	231
2							
3							
4							
5							
6							
7							
TOTAL CASING ON THE LEASE BEFORE STARTING							9 296
CASING REMAINING ON THE LEASE AFTER RUNNING							2 65
TOTAL CASING RUN							7 231
LENGTH UP FROM KB ON LANDING JOINT							2 229

KB ELEVATION

KB

ROTARY TABLE

KB TO FLANGE 200 FT

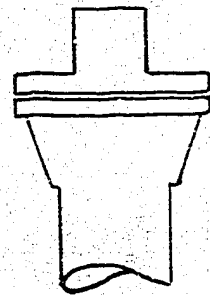
CASING FLANGE

TYPE G-1

MFRG G-11160

SIZES 6

WP 3000



TAGGED BOTTOM AT 229 KB PIPE LANDED 229 FEET OFF BOTTOM

GRABBERS TYPE — MFGR — INTERVAL 227

CENTRALIZERS TYPE 1 MFGR — INTERVAL 227

FLOAT COLLAR AT 193 LENGTH 145 MFGR ADVIS LYNCH TYPE WELDED LOCKED

FLOAT SHOE AT 229 LENGTH 135 MFGR — TYPE WELDED LOCKED

STAGE COLLAR AT — LENGTH — MFGR — TYPE WELDED LOCKED

CEMENT SERVICE COMPANY — TRUCK MODEL — HHP

					MUD	HOLE
TYPE		ADDITIVES	CU FT	SACKS	SLURRY WT	WT 9.0 SIZES 9'
1	CONST	2 3/4 Ccclz	100		15.1	VISC 44 TD DRILLER 229
2						W/L TD LOG
3						PH TD CASING 229
4						FC CALIPER USED YES
					GEL	
					TEMP 60°	TYPE

FINISH CIRCULATING — AM START CASING 9:00 AM CASING IN 10:00 AM CIRCULATE CASING 11:00 AM

RIG TO CEMENT 11:00 AM START MIXING 11:00 AM FINISH MIXING 14:00 AM START DISPLACING 11:55 PM PLUG DOWN 12:00 AM

PUMPING TIME 5 MIN CASING VOLUME 6 BBLS AVERAGE PUMPING RATE — BBL/MIN CASING LANDED 12:00 PM 11:00 AM

HOW — D.M. Bottom

PRESSURES BREAK CIRCULATION 100 PSI CIRCULATING 100 PSI FINAL PUMPING 125 PSI BUMPED PLUG 200 PSI FLOAT HELD YES NO

REMARKS (DESCRIBE HOW PIPE WAS WORKED AND ANY PROBLEMS DURING JOB) STATE DISPOSITION OF DRY CEMENT, WATER AND SLURRY SAMPLES

Pipe being up at 150 ft. Bottom came. Turned back and re-pumped. Pipe in good shape. Re-pumped while circulating. Good cement setting. 3 bbls cement setting.

SIGNATURE —

No. _____

Approved _____ Date _____

CALGARY OFFICE

FIELD or AREA: Redondo Beach WELL NAME & No: ASCO-Redondo-1 CONTRACTOR: H. J. Jones RIG No. 18 Approved: _____ Date: _____

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____
RIG FUEL CONSUMPTION _____ GALS. BOILER FUEL CONSUMPTION _____ GALS. WIRELINE TOP MILE _____ TOOL PUSHER: _____ APPROVED: *[Signature]* _____ CALGARY OFFICE

No. _____

Date_____

CALGARY OFFICE

No. _____ DAILY TIME SHEET 335
Well _____ (REV. 8/67)

FIELD or AREA:

WELL NAME & No

ALEY FALLS BT

CONTRACTOR

___ RIG No

— Approved

Date _____

[illegible]

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: _____ APPROVED: _____

CALGARY OFFICE

No. _____ DAILY TIME SHEET 3-35
Well _____ (REV. 8/67)

FIELD or AREA:

_WELL NAME & No.

CONTRACTOR

 RIG No.

No. _____

Approved _____ Date _____

 Date

[illegible]

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: _____ APPROVED: _____

CALGARY OFFICE

DAILY DRILLING REPORT

No. _____ DAILY TIME SHEET 3-35

Well _____ (REV. 3/67)

WELL NAME & No.

CONTRACTOR

2 RIG No. 12

Approved _____ Date _____

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: _____ APPROVED: _____

CALGARY OFFICE

MOBIL OIL CANADA, LTD.

DAILY DRILLING REPORT

DATE Jan 11

No. _____ DAILY TIME SHEET 3-35

Well _____ (REV. 8/67)

FIELD or AREA: _____

WELL NAME & No. ALERT B-1CONTRACTOR Field Drilling Co.RIG No. 14

No. _____

Approved _____

Date _____

TIME	MUD RECORD				BIT WT. M	TABLE RPM	PUMP		DEVIATION	START	STOP	HRS.	WORK RECORD				FROM	TO	FOOTAGE	HRS.	SIZE	Tour 1		Hrs.																								
	WT.	VISC.	W.L.	F.C.			SPM	PRESS					DEPTH	DEG.	DRILLED	REAMED						CORED	DRILLER		Midnite to 8 A.M.																							
2 A.M.																																																
4 A.M.																																																
6 A.M.																																																
8 A.M.																																																
LINER SIZE: _____ STROKE _____													TALLY				BIT RECORD				REMARKS AND INJURIES:																											
MUD & CHEMICALS													No.				LENGTH				BIT No.																											
LBS. Added: _____ KIND _____													STANDS				SIZE				FLOORMAN																											
													SINGLE				MAKE				FLOORMAN																											
													D.C.'s				TYPE				FIREMAN																											
																	SERIAL																															
																	JET SIZE																															
																	FROM																															
																	TO																															
													KELLY IN				FOOTAGE																															
													TOTAL				HRS.																															
													RATHOLE TOP				COND.																															
BOP Tested _____													DRILLER: _____				CONTRACTOR'S TIME				CO's. TIME				Tour 2				8 A.M. to 4 P.M.				Hrs.															
MUD RECORD													START				STOP				HRS.				DRILLED				DRILLER: <u>W. J. Jones</u>				11															
WT. VISC. W.L. F.C.													10:30				11:30								REAMED				DERRICK: <u>W. J. Jones</u>				17															
10 A.M.																									CORED				MOTORMAN: <u>W. J. Jones</u>				12															
NOON																													TALLY				BIT RECORD				FLOORMAN: <u>W. J. Jones</u>				19							
2 P.M.																													No.				LENGTH				BIT No.				FLOORMAN: <u>W. J. Jones</u>				19			
4 P.M.																													STANDS				SIZE				FIREMAN: <u>W. J. Jones</u>				13							
																													SINGLE				MAKE															
																													D.C.'s				TYPE															
																																	SERIAL															
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																																	KELLY IN				FOOTAGE											
																																	TOTAL				HRS.											
																																	RATHOLE TOP				COND.											
BOP Tested _____													DRILLER: <u>W. J. Jones</u>				CONTRACTOR'S TIME				CO's. TIME				Tour 3				4 P.M. to Midnite				Hrs.															
MUD RECORD													START				STOP				HRS.				DRILLED				DRILLER																			
WT. VISC. W.L. F.C.																									REAMED				DERRICK																			
6 P.M.																									CORED				MOTORMAN																			
8 P.M.																																	TALLY				BIT RECORD				FLOORMAN							
10 P.M.																													No.				LENGTH				BIT No.				FLOORMAN							
12 P.M.																													STANDS				SIZE				FIREMAN											
																													SINGLE				MAKE															
																													D.C.'s				TYPE															
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																																	RATHOLE TOP				COND.											
BOP Tested _____													DRILLER: _____				CONTRACTOR'S TIME				CO's. TIME																											

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS. BOILER FUEL CONSUMPTION _____ GALS. WIRELINE TON MILE _____ TOOL PUSHER: _____

APPROVED: _____

CALGARY OFFICE