

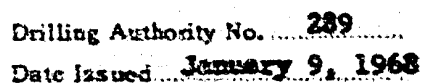
IOE PROVIDENCE K-45

WELL NAME IOE Providence K-45
FIELD Area:
LOCATION: Unit K Section 45 Grid 61-40-117-00
Latitude 61-34-36.00 Longitude 117-03-47.78
From Established Reference Marker

UWLR; 61.57667 N. Lat., - 117.14660 W Long. Rig Release Date:
UWI ; 300K456140117000 Status
Information Release Date

CHANGE OF NAME:

DATE RECEIVED	INDEX
8-1-68	Application for a Drilling Authority. Well Completion Data. Well History Report.
11-3-68	Application to Amend a Drilling Authority. Application to change a Well Name.
22-3-68	Application to Abandon a Well or Suspend Drilling. Application to Alter Condition of a Well. Well History Supplement.
26-3-68	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

Well name and number **IOE Providence K-45-61-40-117-00**

Permit No. 4494	Lease No.
Imperial Oil Enterprises Ltd.	Exploratory Licence No. 1043
(Permitter, Licensee, Lessee)	
Imperial Oil Enterprises Ltd.	Exploratory Licence No. 1043
(Operator)	

Location: Unit K Section 45 Grid 61 40 127 00
 Latitude 61° 34' 36.00 N. Longitude 117° 08' 47.78" W.
 From Established Reference Marker Baseline at Fort Providence
 Universal Well Location Reference 61-57667° N. Lat. 117-14660 W. Long.

	DATE	DEPTH
Spudded	Jan 28/68	
Suspended		
Resumed Operations		
Finished Drilling	Mar 6/68	
Deepened		
Complete (gas/oil)		
Abandoned		
Rig released	Mar 9/68	861

Pool(s).....

Interval(s) open to production.....

Elevation: Gr. 640 K.B. 644.4

Rig No. Boyles #2

Drilling Contractor Inspiration Ltd.

Contractor's Business Licence No. 18240

	Casing Size (Inches)	Grade	Weight	Amount	Set at -	Sacks of Cement and Additives
1.	4-1/2	N80	11.6	97.95	102.35	15 sack + 2% CaCl ₂
2.						recommended 13 sack + 2% CaCl ₂ .
3.	3-1/2		8.6	204	204	15 sack + 2% CaCl ₂
4.						
5.						
6.						

[illegible]

Run No.	Type of Log	From	To
	No logs run.		

CEMENTING RECORD (Plug, Squeeze, etc.)				PERFORATING RECORD (Bullet, Jet)				SERVICING RECORD (Acidizing, Fishing, etc.)			
Date	From	To	Remarks	Date	From	To	Remarks	Date	From	To	Remarks
Mar 8/68	860	435	3 sax + 2% CaCl ₂ cleaned out to 480.								
Mar 8/68	480	210	3 MIX + 2% CaCl ₂ cleaned out to 240.								
Mar 8/68	240	105	4 sax + 2% CaCl ₂ cleaned out to 115.								
Mar 8/68	115	surface	4 sax + 2% CaCl ₂ felt plug.								
Mar 9/68	installed well head plate on 5' riser.										

DRILL STEM TESTS

No.	Date	Formation	From	To	V.O. Mins.	L.S.I. Mins.	F.S.I. Mins.	I.S.I.B.H.P.	F.S.I.B.H.P.	L.F.B.H.P.	F.F.B.H.P.	L.H.P.	F.H.P.	REMARKS

ANALYSIS					PRESENT STATUS OF WELL			
Lal. No.	Sample	From	To	Source	Remarks	Oil	(Interval)	
123963	041	730			Sample taken from blowout at 730'.			
						Gas	(Interval)	
						Dry	X	Lost Hole
						Susp.		

Company **Imperial Oil Enterprises Ltd.**
 Signed by *R. E. Stewart*
 Title **Manager, NWT Exploration District**
 Date **March 26, 1968**

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



File No. _____
Drilling Authority No. 289

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 IOE Providence K-45-61-40-117-00
Location: Unit K Section 45 Grid 61°30'117°00'
Latitude 61°34'36".00 Longitude 117°08'47".78
From Established Reference Marker Baseline at Providence
Universal Well Location Reference 61° 37' 661 N 117° 14' 660 W
Permit No. 4494 Lease No. _____

IMPERIAL OIL ENTERPRISES
(Permitter, Licensee, Lessee)

Date of commencement of proposed program March 8, 1968

OIL, GAS, AND WATER ENCOUNTERED
(Depths)

Oil at 730' K.B.
Gas at 8000'
Water at 111'
Total Depth 862' K.B. Date of last operations March 8, 1968
Present condition of well Preparing to abandon

CASING RECORD

Casing Size O.D. Inches	Weight	Amount	Set At—	Sacks of Cement and Additives	Amount Pulled
1. <u>4 1/2"</u>	<u>11.6</u>	<u>97.95</u>	<u>102.35'</u>	<u>15 sacks & 2% CaCl₂</u>	
2.				<u>Re-cemented 13 sacks & 2% CaCl₂</u>	
3. <u>3 1/2"</u>	<u>8.6</u>		<u>204'</u>	<u>15 sacks & 2% CaCl₂</u>	
4.					
5.					

PROPOSED ABANDONMENT PROGRAM

Plug		Geological Formation	Number of Sacks of Cement	Remarks
No.	Position			
<u>1.</u>	<u>Plugged to surface</u>		<u>28 sacks & 2% CaCl₂</u>	

The following logs have been run None
Other operations proposed _____

Operations to be carried out by Imperial Oil Enterprises & Inspiration Ltd. 18240
Address 11160 Jasper Avenue, Edmonton, Alberta Contractor Licence No. 10210 - 111 Street, Edmonton
Responsible Agent in field Peter Stauff
Dated at Edmonton, this 15 Day of March 19 68
Signed by (Original) A. L. LeBeau Company IMPERIAL OIL ENTERPRISES LTD.
Title PRODUCTION MANAGER Operator's Exploratory Licence No. 1045

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 8th of March 1968.

Dated 22nd March, 19 68 B.H.J. Thoms
Oil Conservation Engineer

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

File No.
Drilling Authority No. 289



DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
RESOURCE MANAGEMENT DIVISION

Application to Amend a Drilling Authority

This application, in triplicate, must be submitted and approved before commencing operations. If the well location is changed, this application must be accompanied where required, with a plan of survey approved by the Surveyor General.

In compliance with the "Canada Oil and Gas Land Regulations", application is hereby made to amend Drilling Authority No. 289, concerning

IOE Providence L-45-61-40-117-00

(Name and Number of Well)

The following amendments are required:

Change of Name to IOE Providence K-45 61-40-117-00

Latitude 61° 34' 36.00" Longitude 117° 08' 47.78"

Change of Latitude and Longitude from:

Latitude 61° 34' 42"

Longitude 117° 09' 00"

Reasons for the amendments:

Final Survey returns show original location to be incorrect.

Dated at Edmonton, this 11th day of March, 1968

Signed by *Conrad A. L. LaBerge*

Title Production Manager

Company Imperial Oil Enterprises Ltd.

(For Resource Management Division use only)

APPROVED

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

UNIVERSAL WELL LOCATION REFERENCE: 61.57667° N. Lat. 117.14660° W. Long.

UNIQUE WELL IDENTIFIER: 300K456140117000

Date 13th March, 1968

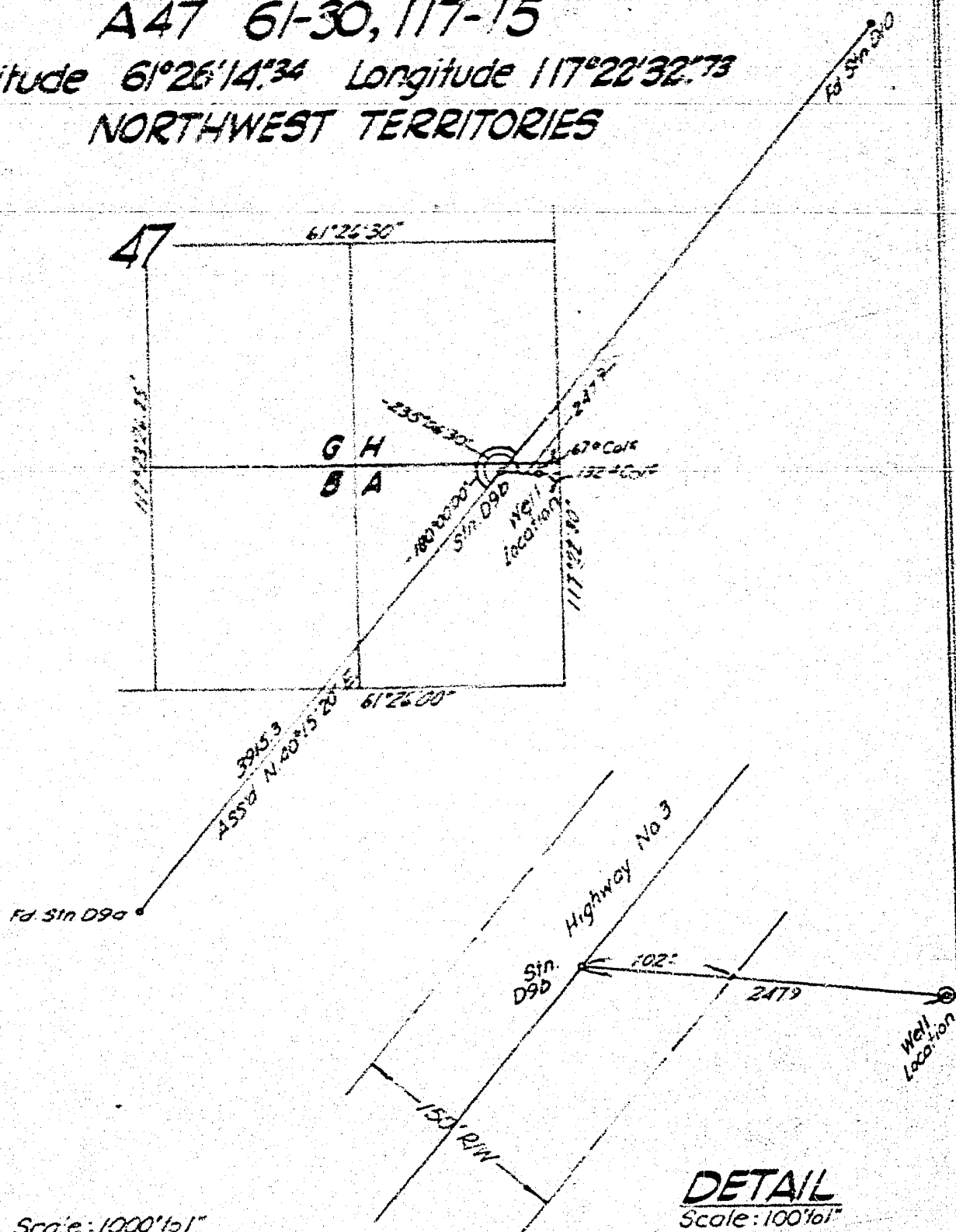
Boyd Thomas
Oil Conservation Engineer

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

IOE PROVIDENCE

A47 61-30, 117-15

Latitude $61^{\circ}26'14.34''$ Longitude $117^{\circ}22'32.73''$
NORTHWEST TERRITORIES



CO-ORDINATE TABLE				
U.T.M. Values: Scale Factor 0.9999. Ref Mer. $117^{\circ}00'$				
Station	Bearing	Distance	North	East
D9a	N $40^{\circ}15'20''$ E.	3914.8	22,350,703.9	- 68,556.5
D9b	S $84^{\circ}38'10''$ E.	247.9	22,352,691.4	- 66,026.8
Well Loc.			22,353,668.4	- 65,779.9

Survey Completed Jan. 13, 1968.
Certified Correct.

[Signature]
Alberta Land Surveyor

NOTE:

1. Distances are in feet and decimals and are check chained.
2. Survey Traverse originated from baseline of Fort Providence.

IMPERIAL OIL ENTERPRISES LTD.

[Signature]
[Signature]

Prepared by:
MIDWEST SURVEYS CO. LTD.

C33-68(2)

IS & IP

Drilling Authority No. 289

Project No.

File No.



DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
RESOURCE MANAGEMENT DIVISION

Application for a Drilling Authority

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

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

Name and number of well 102 Providence 1-43-61-40-117-00

Location: Unit 1 Section 43 Grid 61°40' 117°00'

Latitude 61°34'42" Longitude 117°09'00"

From Established Reference Marker Seismic control

Universal Well Location Reference 61.57834° N. Lat. 117.15000° W. Long.

Elevation: Ground 639 K3 feet above sea-level.

Well is expected to produce from Stratigraphic test formation at a depth of about 1660 feet. Expected total final depth 1660

Area assigned to well (for Oil Conservation Engineer's use only)

Permit No. 4494 Lease No. 60,948 Acreage 60,948

Permitter, licensee, or lessee Imperial Oil Enterprises Ltd.

Exploratory Licence No. 1045

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

Petroleum and natural-gas rights owned by Crown

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

Casing Size O.D. (Inches)	Weight (Lb./Ft.)	Grade	New or Used	Estimated Depth	Bottom of Cement
1. <u>4 1/2</u>	<u>9.5</u>	<u>J-55</u>	<u>New</u>	<u>120</u>	<u>To surface</u>
2.					
3.					
4.					
5.					

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

Inspiration Ltd.

Boyles Diamond Drilling Co.

Well will be drilled with Rotary Rig No. N by Boyles Diamond Drilling Co. (Drilling Contractor or company)

Responsible agent of applicant:— Contractor's business Licence No. 10201

At well A. L. LaBerge At registered office D. B. Loughhead

Address 11160 Jasper Ave., Edmonton Address 500 Sixth Avenue S.W., Calgary

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

Dated at Edmonton this 3 day of January 19 68

Signed by A. L. LaBerge Company Imperial Oil Enterprises Ltd.

Title Production Manager Operator's Licence No. 1045

(For Resource Management Division use only)

APPROVED

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

(See back of form)

Dated 9th January 19 68

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: 300456140117000



1. This well is not to be drilled nearer than 100 feet from the edge of the road allowance of the Fort Providence to Fort Rae Highway and the well site is to be restored, after completion and plugging of the well to a condition as nearly as possible to that existing before drilling operations were begun.
2. The Company will submit to this office, on Tuesday of each week, the latest reports received by radio on the progress of the well.

BLS

IMPERIAL OIL ENTERPRISES LTD.
WELLSITE LOCATION SKETCH
IOE Providence L-45-61-40-117-00

SCALE: 2" TO 1 MILE

JANUARY 2, 1968

[Signature]
SURVEY SUPERVISOR

SEISMIC SURVEY
SEPT. 1959

LOCATION

45

LAT. $61^{\circ} 34' 42''$ N.
LONG. $117^{\circ} 09' 00''$ W.
(BY SCALING)

$117^{\circ} 07' 30''$

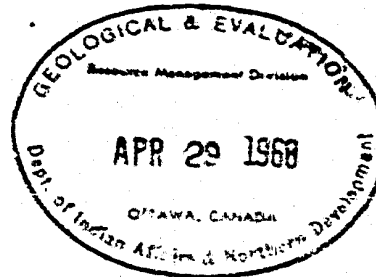
$61^{\circ} 35'$



7-24-4-72

IOE Providence K-45

61°40' 117°00'



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Company: Imperial Oil Enterprises Ltd.

Signed by: Peter S. Sault

Title: Manager N.W.T. Exploration District

Date: April 3 1968

Section I - Summary of Well Data

- (a) Well Name and Number
IOE Providence K-45-61-40-117-00
- (b) Permittee - Imperial Oil Enterprises Ltd.
- (c) Operator - Imperial Oil Enterprises Ltd.
11160 - Jasper Avenue, Edmonton, Alberta
- (d) Location - 61°40'117°00', Unit K, Section 45
Latitude: 61° 34' 36.00"N.
Longitude: 117° 08' 47.78"W.
- (e) Co-ordinates - not applicable
- (f) Permit Number - 4494
- (g) Drilling Contractor - Inspiration Ltd.
Boyles #2
- (h) Drilling Authority - 289 - January 9th, 1968
- (i) Classification - Stratigraphic Test
- (j) Elevations - GR: 640' K.B: 644'
- (k) Spud - January 28th, 1968
- (l) Completed Drilling - March 6th, 1968
- (m) Total Depth - 861'
- (n) Well Status - Dry and Abandoned - lost hole.
- (o) Rig Release - March 9th, 1968
- (p) Hole Size - Surface to 114' - 6½"
114' to 204' - 3-3/4"
204' to 861' - 2-63/64"
- (q) Casing - Ran 5 joints N80 4½" grade B, 8 thread 11.6#. 97.95' casing landed at 102.35 K.B. and cemented 15 sacks plus 2% CaCl₂. Re-cemented with 13 sacks plus 2% CaCl₂.

Ran 20 joints of 10' NX casing and 1 joint of 2' NX casing. 8.6#. 3½" landed at 204' and cemented with 15 sacks plus 2% CaCl₂.
- (r) Universal Well Location Reference: Lat. 61.57667° N.
Long. 117.14660° W.
- (s) Unique Well Identifier: 300K456140117000

Section II - Geological Summary

(a) Formation Tops

<u>Formation</u>	<u>Sample</u>	<u>Log</u>	<u>Sub-Sea</u>
Upper Devonian Shale	188	NLR	+456
Keg River	836	NLR	-192

(b) Cored Intervals - following is a list of Diamond Drilling Core Boxes with the footage of core contained in each box. Due to the method used by wireline coring, core numbers were disregarded.

<u>Box Number</u>	<u>Interval</u>
1	202-208.8
2	208.8-216.1
3	216.1-223.8
4	223.8-230.9
5	230.9-238.1
6	238.1-245.4
7	245.4-252.5
8	252.5-250.8
9	259.8-267.3
10	267.3-274.8
11	274.8-282.5
12	282.5-289.9
13	289.9-296.8
14	296.8-304
15	304-311.2
16	311.2-319.5
17	319.5-328.3
18	328.3-335.6
19	335.6-342.9
20	342.9-349.7
21	349.7-357
22	357-364.9
23	364.9-372.6
24	372.6-380.1
25	380.1-387.5
26	387.5-395
27	395-402.3
28	402.3-410
29	410-417.5
30	417.5-424.8

(b) Cored intervals - Cont'd

<u>Box Number</u>	<u>Interval</u>
31	424.8-432
32	432-439.5
33	439.5-447
34	447-454.5
35	454.5-462
36	462-470
37	470-477.5
38	477.5-485
39	485-494.5
40	494.5-502
41	502-509
42	509-416.8
43	516.8-524.5
44	524.5-532.3
45	532.3-539.3
46	539.3-546.3
47	546.3-553.8
48	553.8-561
49	561-568.3
50	568.3-575
51	575-582.5
52	582.5-589.6
53	589.6-597.3
54	597.3-604.8
55	604.8-612.5
56	612.5-620
57	620-627.3
58	627.3-634.8
59	634.8-642.3
60	642.3-649.8
61	649.8-657.4
62	657.4-664.7
63	664.7-672
64	672-682.5
65	682.5-690.3
66	690.3-698
67	698-706.5
68	706.5-714
69	714-720.8
70	720.8-728
71	728-730
72	730-736.8
73	736.8-741
74	741-748.4

(b) Cored Intervals - Cont'd

<u>Box Number</u>	<u>Interval</u>
75	748.4-756
76	756-766
77	766-769.8
78	769.8-777
79	777-784
80	784-792
81	792-799
82	799-806.6
83	806.6-812.9
84	812.9-825.3
85	825.3-833.9
86	833.9-840
87	840-846.7
88	846.7-856
89	856-859

(c) Core Description

(d) Sample Description

CORE DESCRIPTION

IOE PROVIDENCE K-45

(K-45 61°40'N; 117°00'W)

Continuous core beginning at 202'.

- 202 - 585' Med. grey, slightly calcareous shale grading to very limey shale and trace light grey argillaceous limestone. Shale is blocky, contains occasional spines or tentaculites (.05%). In some intervals shale contains wafer-like layers of crystalline limestone. Rock is fractured with vertical and oblique fractures, in one instance fracture appears to be shear zone filled with calcite and some pyrite. Many fractures partly filled with aragonite or calcite. Trace dead oil stain and bitumen in fractures at 276'. Shale gradually takes a brownish cast below 260'.
- 585 - 653' Shale and limestone gradational one to the other, buff-brown to med. brown with bands of dark brown, increasing in number toward the base. Section is 80% limestone, 20% shale. Darker bands are shale, calcareous and bituminous. A few vertical fractures 2" to 2' in length, partly filled with calcite.
- 653 - 714' Shale, very dark brown, bituminous, either dolomitic or calcareous for the most part. Some poker-chip fissile, non-limey bands. Tentaculites common. Section 676 - 680' ground up, appears oil soaked. A few (1 per 3 ft.) high angle and vertical fractures, lightly lined with calcite.
- 714 - 741' Limestone, micritic to micritic skeletal, some bands skeletal micritic with abundant crinoids. A few bands of tentaculites and skeletal debris.

Overall Content:

Micrite 90%
Skeletal 10%

Skeletal Content:

Crinoids 5%
Tentaculites 2%
Debris 3%

This section has open vertical fractures, particularly in the interval 726 - 730'.

- 741 - 771' Limestone, brown micritic as above. Grain size 0.15 to 0.25 MM. Calcite-filled fractures mostly oblique. Fractures are partly open and calcite is euhedral (.24 MM). Staining is common along fractures (frequency about 1 fracture/ft.).
- 771 - 782.5' Limestone, grey-brown and shale dark brown, very limey, interbedded. Occasional thin skeletal lamina containing tentaculites (<1%). Limestone is micritic, grain size .01 - .02 MM. Ratio of clay and lime mud is about 1:1.
- Limestone - 80% calcite, 20% clay.
Shale - 80% clay, 20% calcite.
- 782.5 - 812.5' Limestone, medium to light grey, micritic, argillaceous, interbedded with dark grey clayey limestone. Overall percentage calcite 85%, clay 15%, occasional tentaculites <1%.
- 812.5 - 816' Limestone as above with interbeds of dark brown, bituminous, limey, pyritic shale.
- 816 - 836' Shale, dark brown, bituminous, limey, interbedded with limestone, dark brown, sapropellic. Overall percentage of rock types: 70% shale, 30% limestone. Overall percentage of mineral types: 60% clay, 20% calcite, 15% organic matter, 5% pyrite. Contains abundant pyrite in nodules, lenses and replacing fossils, occasional 1/8" band of pyrobitumen, some limestone bands appear to be pelleted, band of brachs at 823'.
- 836 - 861' Limestone, micritic and micritic skeletal with some bands skeletal micritic, sapropellic, bituminous, fossils are crinoids, brachs, ostracods and trace tentaculites.
Grain size .01 - .02 MM, some bands <.01.
Pyrite is common as replacement. Some incipient dolomitization <1%.
- Overall skeletal 10%, crinoids 5%, brachs 3%, tentaculites trace, ostracodes trace, other 2%.

Section III - Engineering Summary

(a) Report of Drill Stem Tests - none run.

(b) Casing Record -

Ran 5 joints 97.95' N80 4 $\frac{1}{2}$ ". Grade B. 8 thread 11.6#. Casing landed at 102.35 K.B. and cemented with 15 sacks plus 2% CaCl₂. Re-cemented with 13 sacks plus 2% CaCl₂.

Ran 20 joints of 10" NX casing and 1 joint of 2', NX casing. 8.6#. 3 $\frac{1}{2}$ " landed at 204' and cemented with 15 sacks plus 2% CaCl₂.

(c) Bit Record

<u>Bit</u>	<u>Size</u>	<u>Type</u>	<u>Hrs on Btm</u>	<u>Footage Drilled</u>	<u>Depth Pulled</u>
1	6-1/4	H	5	38	38
2	6-1/4	H	30	82	120
1B	3-5/8	NX Diamond shoe	16-3/4	11	131
3	3-3/4	H	16	69	200
2B	3-3/4	NX Casing Shoe	2	2	202
2	2-63/64	Diamond	1-1/2	5	207 (cored)
1	2-63/64	Diamond	123	569	776 (cored)
		Wireline			
2	"	NX Wireline		1	777 (bit broke)
3	"	NX Wireline	Milled on broken bit		
4	"	NX Wireline 2-1/2		11	778
5	"	NXA Wireline 6		36	824
6	"	NXA Wireline 8-3/4		28	852
7	"	NXA Wireline 25		cleaned out cement	
8	"	NXA Wireline 4		9	861

(d) Mud Report - salt saturated system

Salt - 42.000#

Gel - 2250#

CaCl₂- 1500#

(e) Deviation Record -

Totco at	Degrees off
50	3/4
72	3/4
80	3/4
200	1-1/4
325	1-1/4
433	1-1/4
575	1-1/4

(f) Abandonment Plugs

- March 8th, 1968 - Plug #1 - 860-455 with ¹²/₉ sacks plus 2% CaCl₂. Cleaned out to 480'.
- March 8th, 1968 - Plug #2 - 480-210 with 8 sacks plus 2% CaCl₂. Cleaned out to 240'.
- March 8th, 1968 - Plug #3 - 240-105 with 4 sacks plus 2% CaCl₂. Cleaned out to 115'.
- March 8th, 1968 - Plug #4 - 115-surface with 4 sacks plus 2% CaCl₂. Felt plug.
- March 9th, 1968 - Ran 3 sacks at surface and installed well name plate on 5' riser.

(g) Lost Circulation Zones

- 131' - losing mud.
- 146' - losing mud.
- 730' - well blew oil - killed well - losing 3-4 bbls. of mud per hour.
- 777' - mixed lost circulation material - gas showing.
All above in Upper Devonian Shales.
- 852' - (Keg River) losing 5 bbls fluid per hour.
- (1) Ran Cal-Seal plug from 760'
Cemented 390'. Drill rod - found split drill rod
Drill out cement & clean to bottom. Circulate gas from hole.
 - (2) Ran Cal-Seal plug from 810-610. Felt top at 520
losing circulation above plug.
 - (3) Ran Cal-Seal plug from 520-320'. Felt top at 240
losing circulation above plug.
 - (4) Ran Cal-Seal plug and felt for same.
Cleaned out cement plugs to 800'.
- 861' - (Keg River) - well gassing-killed well.

(h) Report of Blowouts -

A blowout occurred at 730' while swabbing hole, due to pulling 10' core. Well blew oil and gas for approximately 20 minutes and then died. A sample was taken of the oil, estimated at 3 bbls. and the well was killed with 20 bbls. of salt water.

Section IV - Logs

No logs were run on this well, due to hole trouble.

Section V - Analyses

- (a) Core Analysis - core was not analysed
- (b) Water Analysis - none
- (c) Gas Analysis - none
- (d) Oil Analysis - from blowout at 730'.

IMPERIAL OIL LIMITED - TECHNICAL SERVICE DEPARTMENT

CRUDE OIL ANALYSISLaboratory Report No. L-23968 Date: Mar 20, 1968

Reference:

Sample Identification: I.O.E. FT. PROVIDENCE K-4561°40' 117°00'A.P.I. Gravity 60° F. (As Received) A.S.T.M. D287-39 = 36.3Centrifuged by A.S.T.M. D96-50T:Bottom Sediment: Not run %Water: " " %Total B.S. & W. " " %A.P.I. Gravity at 60° F. (on Centrifuged Oil) = 35.9Other Tests: NoneRemarks: From blow out at 730'Analysis by:

R. Heater

Section VI - Completion Summary

- (a) Tubing Record - none run.
- (b) Perforation Record - none run.
- (c) Cementation Record -
 - (1) March 8th, 1968 - 860-455 (Keg River & Upper Devonian Shales). Cemented with ⁹/₁₂ sacks plus 2% CaCl_2 - cleaned out to 480'.
 - (2) March 8th, 1968 - 480-210 (Upper Devonian Shales) Cemented with 8 sacks plus 2% CaCl_2 - cleaned out to 240'
 - (3) March 8th, 1968 - 240-105 (Upper Devonian Shales) Cemented with 4 sacks plus 2% CaCl_2 - cleaned out to 115'.
 - (4) March 8th, 1968 - 115-surface (Upper Devonian Shales) Cemented with 4 sacks plus 2% CaCl_2 . Felt plug.

March 9th, 1968 - cemented with 3 sacks at surface.
- (d) Acidization and Fracturing Record - none.
- (e) Back Pressure and Production Tests - none.

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 42WELL NAME I.O.F. PROVIDENCELsd. L 45 Sec. 61° Twn. 40' Rge. 117° W. 00'Contractor INSPIRATION Month MAR. Day 9 1968

	1st Tour From: 12:00 Midnight To: 8:00 a.m.						2nd Tour From: 8:00 a.m. To: 4:00 p.m.						3rd Tour From: 4:00 p.m. To: 12:00 p.m.						
DEPTH	From	To	Hole Made	Bit Size	Formation		From	To	Hole Made	Bit Size	Formation		From	To	Hole Made	Bit Size	Formation		
	861																		
DRILLING STRING	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	
	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
	COLLAR					DRILLING STRING	DRILL COLLARS	COLLAR					DRILLING STRING	DRILL COLLARS	COLLAR				DRILLING STRING
BIT RECORD	DATA						DATA						DATA						
	No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed	No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed	
SURVEYS	Bit Serial No.	Jet ☐ Conventional ☐					Bit Serial No.	Jet ☐ Conventional ☐					Bit Serial No.	Jet ☐ Conventional ☐					
	Nozzle Size	Bit Wear: T _____ B _____ G _____					Nozzle Size	Bit Wear: T _____ B _____ G _____					Nozzle Size	Bit Wear: T _____ B _____ G _____					
	Depth	Deviation					Depth	Deviation					Depth	Deviation					
PUSH PUMP RECORD	HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	
	On Line	Circulating					On Line	Circulating					On Line	Circulating					
	No. 1	No. 2																	
MUD RECORD	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	
CORING	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	
DETAIL OF OPERATIONS AND REMARKS	From To Hrs.						From To Hrs.						From To Hrs.						
	W.O.C. 12 8 8						FEEL PLUG # H RUN 3 SAX. AT SURFACE 8 ⁰⁰ 9 ⁰⁰ 1						INSTALLED WELL NAME PLATE ON 5 FT RISER ON SURFACE CASING						
Driller.....						Driller.....						Driller.....							

HEADING UP & DRLG. OUT:
DRILLING:
REAMING:

CLASSES OF TIME BREAKDOWN

TOTCO:
FISHING:
CIRCULATING:CONDITIONING MUD:
TRIPPING:
CORING:CASING:
W.O.C.
D.S. TESTING:LOGGING:
W. O. ORDERS:
RIG REPAIRS:RIG MAINTENANCE:
MISCELLANEOUS:
CONDITION HOLE:REAMING CLEANING:
WORKING PIPE:
LOST CIRC.:DID YOU CHECK BLOWOUT
PREVENTER EQUIPMENT TODAY

YES _____ NO _____

Total Contract Timehrs.

Total Company Timehrs.

Toolpusher

Approved by

[Signature]

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 41

WELL NAME I.O.F. PROVIDENCE

Lsd. 61° Sec. 40' Twn. 117° Rge. 00' W.

Contractor INSPIRATION Month MAR Day 8 1968

1st Tour From: 12:00 Midnight To: 8:00 a.m.										2nd Tour From: 8:00 a.m. To: 4:00 p.m.										3rd Tour From: 4:00 p.m. To: 12:00 p.m.													
DEPTH		From	To	Hole Made	Bit Size	Formation				DEPTH		From	To	Hole Made	Bit Size	Formation				DEPTH		From	To	Hole Made	Bit Size	Formation							
861										861																							
DRILLING STRING		Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.				Size-D.P.		Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.				Size-D.P.		Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.						
DRILL		Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL				DRILL		Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL				DRILL		Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL							
COLLAR						DRILLING STRING				DRILLING STRING				DRILLING STRING				DRILLING STRING				DRILLING STRING				DRILLING STRING				DRILLING STRING			
DATA						DATA				DATA				DATA				DATA				DATA				DATA				DATA			
BIT RECORD		No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed	No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed	No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed					
SURVEYS		Depth				Deviation				Depth				Deviation				Depth				Deviation				Depth				Deviation			
PUSH PUMP RECORD No. 1 No. 2		HOURS				Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURS				Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURS				Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURS				Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
MUD RECORD		Time	Visc.	Wt.	W.L.	pH	ADDITIVES — POUNDS				Time	Visc.	Wt.	W.L.	pH	ADDITIVES — POUNDS				Time	Visc.	Wt.	W.L.	pH	ADDITIVES — POUNDS								
		Plug #1	12	5	ax	860-455					Plug #2	8	5	ax	2 1/2	ca	480-210					Plug #4	115	to	surface								
											Plug #3	4	5	ax	2 1/2	ca	240-105																
CORING		Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery				Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery				Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery								
DETAIL OF OPERATIONS AND REMARKS		Run Plug				12:00	2:00	2	CLEAN OUT CEMENT TO 8:00				W.O.C.				CLEAN CEMENT TO 115				Run Plug #4				W.O.C.								
		WAIT FOR CEMENT				2:00			H80				11:00				12:00				1				6:00				1 1/2				
		DELIVERY WELL SHUT					8:00	6	Run Plug #2				12:00				1:00				1				6:00				6				
		TIV AGAINST WATER							W.O.C.				12:00				1:00				1				6:00				6				
		FLO BACK IN ANNULUS							CLEAN OUT CEMENT TO 240				2:30				1 1/2																
									Run Plug #3				2:30				3:30				1												
									W.O.C.				3:30				4:00				1 1/2												
								8																									

Driller.....

Driller.....

Driller.....

HEADING UP & DRLG. OUT:
DRILLING:
REAMING:CLASSES OF TIME BREAKDOWN
TOTCO:
FISHING:
CIRCULATING:CASING:
W.O.C.
D.S. TESTING:LOGGING:
W.O. ORDERS:
RIG REPAIRS:RIG MAINTENANCE:
MISCELLANEOUS:
CONDITION HOLE:REAMING CLEANING:
WORKING PIPE:
LOST CIRC.:DID YOU CHECK BLOWOUT
PREVENTER EQUIPMENT TODAY

YES _____ NO _____

Total Contract Timehrs.

Total Company Timehrs.

Toolpusher

Approved by

W. H. Hocking

WELL NAME I.O.E. PROVIDENCE

Lsd. 445 Sec. 61 Twn. 40 Rge. 117 W. 00

Contractor INSPIRATION Month MAR. Day 7 19 68

WELL NAME						LOG NO.						DATE						TIME																																			
1st Tour From: 12:00 Midnight To: 8:00 a.m.																		2nd Tour From: 8:00 a.m. To: 4:00 p.m.																		3rd Tour From: 4:00 p.m. To: 12:00 p.m.																	
From To Hole Made Bit Size Formation									From To Hole Made Bit Size Formation									From To Hole Made Bit Size Formation																																			
DEPTH	861									861									861																																		
	Size-D.P.			Stands			Singles			Kelly	Drill. Collar Ft.			Core Bbl. Ft.			Size-D.P.			Stands			Singles			Kelly	Drill. Collar Ft.			Core Bbl. Ft.			Size-D.P.			Stands			Singles			Kelly	Drill. Collar Ft.			Core Bbl. Ft.							
DRILLING STRING	INDICATOR WEIGHT OF TOTAL									INDICATOR WEIGHT OF TOTAL									INDICATOR WEIGHT OF TOTAL																																		
	COLLAR									COLLAR									COLLAR																																		
	DATA									DATA									DATA																																		
	No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed	No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed	No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed																										
BIT RECORD	Bit Serial No. Jet ☐ Conventional ☐									Bit Serial No. Jet ☐ Conventional ☐									Bit Serial No. Jet ☐ Conventional ☐																																		
	Nozzle Size Bit Wear: T _____ B _____ G _____									Nozzle Size Bit Wear: T _____ B _____ G _____									Nozzle Size Bit Wear: T _____ B _____ G _____																																		
	Deviation									Deviation									Deviation																																		
SURVEYS	HOURS									Pump Press Length of Pump Stroke Strokes Per Min. Liner Size									HOURS									Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size																						
	On Line Circulating									On Line Circulating									On Line Circulating																																		
MUD RECORD	Time Visc. Wt. W L pH ADDITIVES — POUNDS									Time Visc. Wt. W L pH ADDITIVES — POUNDS									Time Visc. Wt. W L pH ADDITIVES — POUNDS																																		
CORING	Core No. Depth In Footage Hours Run Depth Out Recovery									Core No. Depth In Footage Hours Run Depth Out Recovery									Core No. Depth In Footage Hours Run Depth Out Recovery																																		
DETAIL OF OPERATIONS AND REMARKS	Well Shot In									TRIP									WAIT FOR ORDERS									4 ⁰⁰	11 ⁰⁰	7																							
										WAIT FOR ORDERS									PREPAIR TO RUN CEMENT PLUG.									11	12	1																							
Driller.....																		Driller.....																		Driller.....																	

HEADING UP & DRLG. OUT:
DRILLING:
REAMING:

CLASSES OF TIME BREAKDOWN	
TOTCO:	CONDITIONING MUD:
FISHING:	TRIPPING:
CIRCULATING:	CORING:

CASING:
W.O.C.
D.S. TESTING:

LOGGING:
W.O. ORDERS:
RIG REPAIRS:

RIG MAINTENANCE:
MISCELLANEOUS:
CONDITION HOLE:

REAMING CLEANING:
WORKING PIPE:
LOST CIRC.:

**DID YOU CHECK BLOWOUT
PREVENTER EQUIPMENT TODAY**

YES ☒ NO ☐

Approved by _____

Total Contract Timehrs.

Total Company Timehrs.

Toolpusher

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 39WELL NAME I.O.E. PROVIDENCE Lsd. L45 Sec. 61° Twn. 40' Rge. 117° 00' Contractor INSPIRATION Month MAR. Day 6 1968

1st Tour From: 12:00 Midnight To: 8:00 a.m.										2nd Tour From: 8:00 a.m. To: 4:00 p.m.										3rd Tour From: 4:00 p.m. To: 12:00 p.m.															
From		To		Hole Made		Bit Size		Formation		From		To		Hole Made		Bit Size		Formation		From		To		Hole Made		Bit Size		Formation							
852		860				3				860		861				3				861															
Size-D.P.		Stands		Singles		Kelly		Drill. Collar Ft.		Core Bbl. Ft.		Size-D.P.		Stands		Singles		Kelly		Drill. Collar Ft.		Core Bbl. Ft.		Size-D.P.		Stands		Singles		Kelly		Drill. Collar Ft.		Core Bbl. Ft.	
2 7/8												2 7/8																							
DRILL		Number		OD		ID		Length		INDICATOR WEIGHT OF TOTAL		DRILL		Number		OD		ID		Length		INDICATOR WEIGHT OF TOTAL		DRILL		Number		OD		ID		Length		INDICATOR WEIGHT OF TOTAL	
COLLAR										DRILLING STRING		DRILL COLLARS		COLLAR										DRILLING STRING		DRILL COLLARS									
DATA										DATA														DATA											
No.		Type		Time On Bit		Footage		WOB		RPM		Depth Pulled		Total Footage Drilled		Reamed		No.		Type		Time On Bit		Footage		WOB		RPM		Depth Pulled		Total Footage Drilled		Reamed	
8		WYAWL																8		WYAWL															
Bit Serial No.				Jet ☐ Conventional ☐		Bit Serial No.				Jet ☐ Conventional ☐		Bit Serial No.				Jet ☐ Conventional ☐		Bit Serial No.				Jet ☐ Conventional ☐		Bit Serial No.				Jet ☐ Conventional ☐		Bit Serial No.				Jet ☐ Conventional ☐	
Nozzle Size				Bit Wear: T _____ B _____ G _____		Nozzle Size				Bit Wear: T _____ B _____ G _____		Nozzle Size				Bit Wear: T _____ B _____ G _____		Nozzle Size				Bit Wear: T _____ B _____ G _____		Nozzle Size				Bit Wear: T _____ B _____ G _____		Nozzle Size				Bit Wear: T _____ B _____ G _____	
Depth				Deviation		Depth				Deviation		Depth				Deviation		Depth				Deviation		Depth				Deviation		Depth				Deviation	
HOURS				Pump Press		Length of Pump Stroke		Strokes Per Min.		Liner Size		HOURS				Pump Press		Length of Pump Stroke		Strokes Per Min.		Liner Size		HOURS				Pump Press		Length of Pump Stroke		Strokes Per Min.		Liner Size	
On Line		Circulating										On Line		Circulating										On Line		Circulating									
450												450																							
Time		Visc.		Wt.		W L		pH		ADDITIVES — POUNDS		Time		Visc.		Wt.		W L		pH		ADDITIVES — POUNDS		Time		Visc.		Wt.		W L		pH		ADDITIVES — POUNDS	
6:00		0		9.8						33 SAK SALT		10:00				9.6						22 SAK SALT													
										5 SAK CACL2		12:00				9.8																			
												2:00				10.2																			
Core No.		Depth In		Footage		Hours Run		Depth Out		Recovery		Core No.		Depth In		Footage		Hours Run		Depth Out		Recovery		Core No.		Depth In		Footage		Hours Run		Depth Out		Recovery	
73		852										73		852		8		4		860		4													
												74		860		1		1/4		861		6"													
From		To		Hrs.		From		To		Hrs.		From		To		Hrs.		From		To		Hrs.		From		To		Hrs.		From		To		Hrs.	
CLEAN CEMENT PLUGS		12:00		1:00		1		PULL CORE				8:00		8:30		1/2		WELL SHUT IN																	
CLEAN MUD TANK-MIX		1:00						PUMP DOWN COREBAR				8:30		9:00		1/2		TO HILL KILL WATER																	
SALT.				4:00		3		CORE				9:00		9:15		1/4		FLO BACK. TO PSI																	
CORING		4:00		8:00		4		PULL JAMMED W.L. BBL.				9:15		9:45		1/2																			
								WELL GASSING-MIX				9:45																							
								SALT - HILL WELL						3:30		5 3/4																			
								WELL SHUT IN UNDER				3:30																							
								WATER PRESSURE 90PSI						4:00		1/2																			

HEADING UP & DRLG. OUT:
DRILLING:
REAMING:CLASSES OF TIME BREAKDOWN
TOTCO:
FISHING:
CIRCULATING:CASING:
W.O.C.
D.S. TESTING:LOGGING:
W.O. ORDERS:
RIG REPAIRS:RIG MAINTENANCE:
MISCELLANEOUS:
CONDITION HOLE:REAMING CLEANING:
WORKING PIPE:
LOST CIRC.:DID YOU CHECK BLOWOUT
PREVENTER EQUIPMENT TODAY
YES ☒ NO ☐

Total Contract Timehrs.

Total Company Timehrs.

Toolpusher

Approved by

IMPERIAL OIL LIMITED.

DAILY DRILLING REPORT No. 37WELL NAME J.O.F. PROVIDENCELsd. 445 Sec. 61° Twn. 40 Rge. 117° W. 00'Contractor INSPIRATION Month MAR, Day 4, 1968

1st Tour From: 12:00 Midnight To: 8:00 a.m.										2nd Tour From: 8:00 a.m. To: 4:00 p.m.										3rd Tour From: 4:00 p.m. To: 12:00 p.m.																	
From		To		Hole Made		Bit Size		Formation		From		To		Hole Made		Bit Size		Formation		From		To		Hole Made		Bit Size		Formation									
852						3				852						3				852						3											
Size-D.P.		Stands		Singles		Kelly		Drill. Collar Ft.		Core Bbl. Ft.		Size-D.P.		Stands		Singles		Kelly		Drill. Collar Ft.		Core Bbl. Ft.		Size-D.P.		Stands		Singles		Kelly		Drill. Collar Ft.		Core Bbl. Ft.			
2 7/8												2 7/8												2 7/8													
DRILL		Number		OD		ID		Length		INDICATOR WEIGHT OF TOTAL		DRILL		Number		OD		ID		Length		INDICATOR WEIGHT OF TOTAL		DRILL		Number		OD		ID		Length		INDICATOR WEIGHT OF TOTAL			
COLLAR										DRILLING STRING		COLLAR										DRILLING STRING		COLLAR										DRILLING STRING		COLLAR	
DATA												DATA												DATA													
No.		Type		Time On Bit		Footage		WOB		RPM		Depth Pulled		Total Footage Drilled		Reamed		No.		Type		Time On Bit		Footage		WOB		RPM		Depth Pulled		Total Footage Drilled		Reamed			
BIT RECORD										BIT RECORD										BIT RECORD																	
Bit Serial No. Jet ☐ Conventional ☐										Bit Serial No. Jet ☐ Conventional ☐										Bit Serial No. Jet ☐ Conventional ☐																	
Nozzle Size Bit Wear: T B G										Nozzle Size Bit Wear: T B G										Nozzle Size Bit Wear: T B G																	
SURVEYS										SURVEYS										SURVEYS																	
Depth Deviation										Depth Deviation										Depth Deviation																	
HOURS										HOURS										HOURS																	
On Line Circulating Pump Press Length of Pump Stroke Strokes Per Min. Liner Size										On Line Circulating Pump Press Length of Pump Stroke Strokes Per Min. Liner Size										On Line Circulating Pump Press Length of Pump Stroke Strokes Per Min. Liner Size																	
Time Visc. Wt. W L pH ADDITIVES — POUNDS										Time Visc. Wt. W L pH ADDITIVES — POUNDS										Time Visc. Wt. W L pH ADDITIVES — POUNDS																	
2 1/2 SALT										2 1/2 SALT										1 1/2 SALT																	
MUD RECORD										MUD RECORD										MUD RECORD																	
Core No. Depth In Footage Hours Run Depth Out Recovery										Core No. Depth In Footage Hours Run Depth Out Recovery										Core No. Depth In Footage Hours Run Depth Out Recovery																	
Plug # 3 520-320 55% CAL-SEAL										Plug # 3 520-320 55% CAL-SEAL										Plug # 3 520-320 55% CAL-SEAL																	
W.O.C.										W.O.C.										W.O.C.																	
Losing Circulation Above Plug										Losing Circulation Above Plug										Losing Circulation Above Plug																	
FEEL FOR PLUG # 2										FEEL FOR PLUG # 2										FEEL FOR PLUG # 2																	
TOP @ 520										TOP @ 520										TOP @ 520																	
PLUGGED DRILL PIPE —										PLUGGED DRILL PIPE —										PLUGGED DRILL PIPE —																	
TRIP OUT										TRIP OUT										TRIP OUT																	
TRIP IN										TRIP IN										TRIP IN																	
RUN PLUG # 3										RUN PLUG # 3										RUN PLUG # 3																	
W.O.C.										W.O.C.										W.O.C.																	
Driller										Driller										Driller																	

HEADING UP & DRLG. OUT:
DRILLING:
REAMING:

CLASSES OF TIME BREAKDOWN

TOTCO:
FISHING:
CIRCULATING:CONDITIONING MUD:
TRIPPING:
CORING:CASING:
W.O.C.
D.S. TESTING:LOGGING:
W.O. ORDERS:
RIG REPAIRS:RIG MAINTENANCE:
MISCELLANEOUS:
CONDITION HOLE:REAMING CLEANING:
WORKING PIPE:
LOST CIRC.:DID YOU CHECK BLOWOUT
PREVENTER EQUIPMENT TODAY

YES NO

Total Contract Timehrs.

Total Company Timehrs.

Toolpusher Approved by

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 36WELL NAME I.O.E. PROVIDENCE Lsd. 145 Sec. 41° Twn. 40' Rge. 117° W. 00' Contractor INSPIRATION Month. MARCH Day. 3 19. 68

1st Tour From: 12:00 Midnight To: 8:00 a.m.															2nd Tour From: 8:00 a.m. To: 4:00 p.m.															3rd Tour From: 4:00 p.m. To: 12:00 p.m.														
From		To		Hole Made		Bit Size		Formation							From		To		Hole Made		Bit Size		Formation							From		To		Hole Made		Bit Size		Formation						
DEPTH		852				3									852													852.																
Size-D.P.		2 7/8													2 7/8																													
STANDS																																												
SINGLES																																												
KELLY																																												
DRILL. COLLAR FT.																																												
CORE BBL. FT.																																												
DRILLING STRING																																												
DRILL																																												
NUMBER																																												
OD																																												
ID																																												
LENGTH																																												
INDICATOR WEIGHT OF TOTAL																																												
COLLAR																																												
DRILLING STRING																																												
DRILL COLLARS																																												
DATA																																												
BIT RECORD																																												
No.																																												
Type																																												
Time On Bit																																												
Footage																																												
WOB																																												
RPM																																												
Depth Pulled																																												
Total Footage																																												
Drilled																																												
Reamed																																												
Bit Serial No.																																												
Jet ☐ Conventional ☐																																												
Nozzle Size																																												
Bit Wear: T B G																																												
SURVEYS																																												
Depth																																												
Deviation																																												
HOURS																																												
On Line																																												
Circulating																																												
Pump Press																																												
Length of Pump Stroke																																												
Strokes Per Min.																																												
Liner Size																																												
MUD RECORD																																												
Time																																												
Visc.																																												
Wt.																																												
W L																																												
pH																																												
ADDITIVES — POUNDS																																												
15 SAX SALT																																												
CORING																																												
Core No.																																												
Depth In																																												
Footage																																												
Hours Run																																												
Depth Out																																												
Recovery																																												
DETAIL OF OPERATIONS AND REMARKS																																												
From																																												
To																																												
Hrs.																																												
PICK UP DRILL RODS																																												
RUN IN HOLE																																												
DRILL OUT CEMENT																																												
STAINERS - CLEAN																																												
TO BOTTOM.																																												
PULL WIRE LINE CORE																																												
BBL + SWAB HOLE																																												
CIRCULATE GAS FROM HOLE																																												
TRIP																																												
TRIP.																																												
PREPARE TO RUN CEMENT																																												
PLUG.																																												
CEMENTING.																																												
W.O.C.																																												
Driller																																												

CLASSES OF TIME BREAKDOWN

HEADING UP & DRLG. OUT:
DRILLING:
REAMING:TOTCO:
FISHING:
CIRCULATING:CONDITIONING MUD:
TRIPPING:
CORING:CASING:
W.O.C.
D.S. TESTING:LOGGING:
W.O. ORDERS:
RIG REPAIRS:RIG MAINTENANCE:
MISCELLANEOUS:
CONDITION HOLE:REAMING CLEANING:
WORKING PIPE:
LOST CIRC.:DID YOU CHECK BLOWOUT
PREVENTER EQUIPMENT TODAY

YES NO

Total Contract Timehrs.

Total Company Timehrs.

Toolpusher

Approved by

[Signature]

WELL NAME I.O.F. PROVIDENCE

Lsd. 145 Sec. 61° Twn. 40' Rge. 117° W. 00'

Contractor INSPIRATION Month MARCH Day 2 19 67

[illegible]

HEADING UP & DRLG. OUT:
DRILLING:
REAMING:

CLASSES OF TIME BREAKDOWN	
TOTCO:	CONDITIONING MUD:
FISHING:	TRIPPING:
CIRCULATING:	CORING:

CASING:
W.O.C.
D.S. TESTING:

LOGGING:
W.O. ORDERS:
BIG REPAIRS:

RIG MAINTENANCE:
MISCELLANEOUS:
CONDITION HOLE:

REAMING CLEANING:
WORKING PIPE:
LOST CIRC.:

**DID YOU CHECK BLOWOUT
PREVENTER EQUIPMENT TODAY**

YES _____ NO _____

Total Contract Timehrs.

Total Company Timehrs.

Toolpusher

Approved by _____

W. E. H. H. H.

WELL NAME P.O.F. PROVIDENCE Lsd. 45 Sec. 61 Twn. 40 Rge. 117 W. 00 Contractor INSPIRATION Month. MARCH Day. 1 19 68

[illegible]

HEADING UP & DRILG. OUT:
DRILLING:
REAMING:

CLASSES OF TIME BREAKDOWN

TOTCO:	CONDITIONING MUD:
FISHING:	TRIPPING:
CIRCULATING:	CORING:

CASING:
W.O.C.
D.S. TESTING:

LOGGING:
W. O. ORDERS:
RIG REPAIRS:

RIG MAINTENANCE:
MISCELLANEOUS:
CONDITION HOLE:

REAMING CLEANING:
WORKING PIPE:
LOST CIRC.:

**DID YOU CHECK BLOWOUT
PREVENTER EQUIPMENT TODAY**

YES _____ NO _____

Total Contract Timehrs. Total Company Timehrs. Toolpusher Approved by Mike J. Jones

Form 3-4402 (500 GRS-6-65)

WELL NAME I.O.E. PROVIDENCE Lsd. L45 Sec. 61° Twn. 40' Rge. 117° W. 00' Contractor INSPIRATION Month FEB Day 29 1968

[illegible]

HEADING UP & DRLG. OUT:
DRILLING:
REAMING:

CLASSES OF TIME BREAKDOWN	
TOTCO:	CONDITIONING MUD:
FISHING:	TRIPPING:
CIRCULATING:	CORING:

CASING:
W.O.C.
D.S. TESTING:

LOGGING:
W.O. ORDERS:
RIG REPAIRS:

RIG MAINTENANCE:
MISCELLANEOUS:
CONDITION HOLE:

REAMING CLEANING:
WORKING PIPE:
LOST CIRC.:

**DID YOU CHECK BLOWOUT
PREVENTER EQUIPMENT TODAY**

YES _____ NO _____

Total Contract Timehrs.

Total Company Timehrs.

Toolpusher

.. Approved by

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 32WELL NAME I.O.E. PROVIDENCELsd. 145 Sec. 61° Twn. 40' Rge. 117° W. 00°Contractor INSPIRATION Month FEB Day 28 19 68

1st Tour From: 12:00 Midnight To: 8:00 a.m.										2nd Tour From: 8:00 a.m. To: 4:00 p.m.										3rd Tour From: 4:00 p.m. To: 12:00 p.m.																											
From		To		Hole Made		Bit Size		Formation		From		To		Hole Made		Bit Size		Formation		From		To		Hole Made		Bit Size		Formation																			
DEPTH		788		806		18		3		806										806		817		11		3																					
Size-D.P.		2 7/8								Size-D.P.										Size-D.P.		2 7/8																									
STANDS										STANDS										STANDS																											
SINGLES										SINGLES										SINGLES																											
KELLY										KELLY										KELLY																											
DRILL. COLLAR FT.										DRILL. COLLAR FT.										DRILL. COLLAR FT.																											
CORE BBL. FT.										CORE BBL. FT.										CORE BBL. FT.																											
DRILLING STRING										DRILLING STRING										DRILLING STRING																											
DRILL		Number		OD		ID		Length		INDICATOR WEIGHT OF TOTAL		DRILL		Number		OD		ID		Length		INDICATOR WEIGHT OF TOTAL		DRILL		Number		OD		ID		Length		INDICATOR WEIGHT OF TOTAL													
COLLAR										DRILLING STRING		COLLAR										DRILLING STRING		COLLAR								DRILLING STRING		COLLAR													
DATA										DATA										DATA												DATA															
BIT RECORD										BIT RECORD										BIT RECORD																											
No.		Type		Time On Bit		Footage		WOB		RPM		Depth Pulled		Total Footage Drilled		Reamed				No.		Type		Time On Bit		Footage		WOB		RPM		Depth Pulled		Total Footage Drilled		Reamed											
6		NXAWL 2		18		250		18						18						6		NXAWL 20		11		200		300		29																	
Bit Serial No. 870-20087 Jet ☐ Conventional ☐										Bit Serial No. 870-20087 Jet ☐ Conventional ☐										Bit Serial No. 870-20087 Jet ☐ Conventional ☐																											
Nozzle Size										Nozzle Size										Nozzle Size																											
Bit Wear: T _____ B _____ G _____										Bit Wear: T _____ B _____ G _____										Bit Wear: T _____ B _____ G _____																											
SURVEYS										SURVEYS										SURVEYS																											
Depth		Deviation		HOURS		Pump Press		Length of Pump Stroke		Strokes Per Min.		Liner Size		Depth		Deviation		HOURS		Pump Press		Length of Pump Stroke		Strokes Per Min.		Liner Size		Depth		Deviation		HOURS		Pump Press		Length of Pump Stroke		Strokes Per Min.		Liner Size							
On Line		Circulating				400								On Line		Circulating				On Line		Circulating								On Line		Circulating															
MUD RECORD										MUD RECORD										MUD RECORD																											
Time		Visc.		Wt.		W.L.		pH		ADDITIVES — POUNDS		Time		Visc.		Wt.		W.L.		pH		ADDITIVES — POUNDS		Time		Visc.		Wt.		W.L.		pH		ADDITIVES — POUNDS		Time		Visc.		Wt.		W.L.		pH		ADDITIVES — POUNDS	
										10% CAUSTIC																																					
										500% SALT										30 9.8 8.5																											
CORING										CORING										CORING																											
Core No.		Depth In		Footage		Hours Run		Depth Out		Recovery		Core No.		Depth In		Footage		Hours Run		Depth Out		Recovery		Core No.		Depth In		Footage		Hours Run		Depth Out		Recovery													
64		788		11		1		799		9		66		806		11				66		806		11		817		10																			
65		799		7		1 1/2		806		7																																					
DETAIL OF OPERATIONS AND REMARKS										DETAIL OF OPERATIONS AND REMARKS										DETAIL OF OPERATIONS AND REMARKS																											
From		To		Hrs.		From		To		Hrs.		From		To		Hrs.		From		To		Hrs.		From		To		Hrs.		From		To		Hrs.													
Circulate To Bottom		12:00				TRIP OUT		8:00		8:30 1/2		CLEAN MUD TANK - WORK		4:00				ON PUMPS		6:00		2																									
PUMP DOWN INNER BBL.		1:00		1 1/2		TRIP IN		8:30		11:30 3		CORING		6:00		8:00 2																															
CORING		1:30		2:30 1		MIX MUD		11:30		12:30 1		PUMP DOWN CORE BBL		8:00		9:00 1																															
PULL CORE BBL.		2:30		3:30 1		CORING		12:30		1:00 1/2		UNABLE TO LOCK		7:00		12:00 3																															
CORING		3:30		4:30 1		WORK ON CORE BBL.		1:00				TRIP OUT																																			
PULL CORE		4:30		5:00 1/2		MOTOR MAINTENANCE		4:00		3																																					
INNER CORE BBL FAILED		5:00		5:30 1/2																																											
TO LOCK - TRIP OUT		5:30		8:00 2 1/2																																											
Driller.....										Driller.....										Driller.....																											

HEADING UP & DRG. OUT:
DRILLING:
REAMING:

CLASSES OF TIME BREAKDOWN

TOTCO:
FISHING:
CIRCULATING:CONDITIONING MUD:
TRIPPING:
CORING:CASING:
W.O.C.
D.S. TESTING:LOGGING:
W.O. ORDERS:
RIG REPAIRS:RIG MAINTENANCE:
MISCELLANEOUS:
CONDITION HOLE:REAMING CLEANING:
WORKING PIPE:
LOST CIRC.:DID YOU CHECK BLOWOUT
PREVENTER EQUIPMENT TODAY

YES _____ NO _____

Total Contract Timehrs.

Total Company Timehrs.

Toolpusher

Approved by

W. H. H. H.

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 31WELL NAME I.O.F. PROVIDENCE.Lsd. L45 Sec. 61° Twn. 40' Rge. 117° W. 00'Contractor INSPIRATION Month FEB Day 27 19 681st Tour From: 12:00 Midnight To: 8:00 a.m.2nd Tour From: 8:00 a.m. To: 4:00 p.m.3rd Tour From: 4:00 p.m. To: 12:00 p.m.

DEPTH	1st Tour From: 12:00 Midnight To: 8:00 a.m.					2nd Tour From: 8:00 a.m. To: 4:00 p.m.					3rd Tour From: 4:00 p.m. To: 12:00 p.m.							
	From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation			
	777	779		3"		779	780	1			780	788	8	3"				
DRILLING STRING	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
	2 3/8												2 3/8					
	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL
	COLLAR					DRILLING STRING	DRILL COLLARS	COLLAR					DRILLING STRING	DRILL COLLARS	COLLAR			
BIT RECORD	DATA						DATA						DATA					
	No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed	No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed
	5	HX-46																
	Bit Serial No.	Jet ☐ Conventional ☐				Bit Serial No.	Jet ☐ Conventional ☐				Bit Serial No.	Jet ☐ Conventional ☐						
SURVEYS	Nozzle Size	Bit Wear: T _____ B _____ G _____				Nozzle Size	Bit Wear: T _____ B _____ G _____				Nozzle Size	Bit Wear: T _____ B _____ G _____						
	Depth	Deviation				Depth	Deviation				Depth	Deviation						
	HOURS	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURS	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURS	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size			
	On Line	Circulating				On Line	Circulating				On Line	Circulating						
MUD RECORD	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
CORING	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery
	61	777	2	1/2	779	2	62	779	1	1/2	780	1	63	780	8	1	788	8
DETAIL OF OPERATIONS AND REMARKS	From To Hrs.						From To Hrs.						From To Hrs.					
	TRIP IN						8:00 8:30 1/2						PUMP DOWN CORE BBL.					
	CORING.						8:30 11:00 2 1/2						CORING					
	PULL WIRE LINE						11:00 2:00 3						TRY TO RECOVER CORE BBL.					
							2:00 3:00 1						SALT BLOCKED CORE BBL					
							3:00 3:30 1/2						TRIP OUT					
							3:30 4:00 1/2						MAINTAINENCE					
													TRIP IN					

Driller.....

Driller.....

Driller.....

HEADING UP & DRLG. OUT:
DRILLING:
REAMING:CLASSES OF TIME BREAKDOWN
TOTCO:
FISHING:
CIRCULATING:CONDITIONING MUD:
TRIPPING:
CORING:CASING:
W.O.C.
D.S. TESTING:LOGGING:
W.O. ORDERS:
RIG REPAIRS:RIG MAINTENANCE:
MISCELLANEOUS:
CONDITION HOLE:REAMING CLEANING:
WORKING PIPE:
LOST CIRC.:DID YOU CHECK BLOWOUT
PREVENTER EQUIPMENT TODAY

YES _____ NO _____

Total Contract Timehrs.

Total Company Timehrs.

Toolpusher

Approved by

W. H. Hocking

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 30WELL NAME I.O.E. PROVIDENCELsd. 145 Sec. 61 Twn. 40 Rge. 117 W. 00Contractor INSPIRATION Month FEB Day 26 1968

	1st Tour From: 12:00 Midnight To: 8:00 a.m.										2nd Tour From: 8:00 a.m. To: 4:00 p.m.										3rd Tour From: 4:00 p.m. To: 12:00 p.m.																																							
	From		To		Hole Made		Bit Size		Formation		From		To		Hole Made		Bit Size		Formation		From		To		Hole Made		Bit Size		Formation																															
DEPTH	777						3				777						3				777						3																																	
DRILLING STRING	Size-D.P.	2 7/8		Stands			Singles			Kelly			Drill. Collar Ft.			Core Bbl. Ft.			Size-D.P.	2 7/8		Stands			Singles			Kelly			Drill. Collar Ft.			Core Bbl. Ft.																										
	DRILL	Number		OD	ID		Length	INDICATOR WEIGHT OF TOTAL		DRILL	Number		OD	ID		Length	INDICATOR WEIGHT OF TOTAL		DRILL	Number		OD	ID		Length	INDICATOR WEIGHT OF TOTAL		DRILL	Number		OD	ID		Length	INDICATOR WEIGHT OF TOTAL																									
	COLLAR							DRILLING STRING		COLLAR							DRILLING STRING		COLLAR							DRILLING STRING		COLLAR							DRILLING STRING																									
	DATA									DATA									DATA									DATA																																
BIT RECORD	No.	3		Type	NXWL		Time On Bit			Footage			WOB			RPM			Depth Pulled			Total Footage			Drilled			Reamed			No.	3		Type	NXWL		Time On Bit			Footage			WOB			RPM			Depth Pulled			Total Footage			Drilled			Reamed		
	Bit Serial No.	356		Jet	☐		Conventional	☐		Bit Serial No.	356		Jet	☐		Conventional	☐		Bit Serial No.	356		Jet	☐		Conventional	☐		Bit Serial No.	356		Jet	☐		Conventional	☐		Bit Serial No.	356		Jet	☐		Conventional	☐		Bit Serial No.	356		Jet	☐		Conventional	☐							
	Nozzle Size			Bit Wear	T		B	G		Nozzle Size			Bit Wear	T		B	G		Nozzle Size			Bit Wear	T		B	G		Nozzle Size			Bit Wear	T		B	G		Nozzle Size			Bit Wear	T		B	G		Nozzle Size			Bit Wear	T		B	G							
	Depth			Deviation			Depth			Deviation			Depth			Deviation			Depth			Deviation			Depth			Deviation			Depth			Deviation			Depth			Deviation			Depth			Deviation														
PUSH-PUMP RECORD	HOURS		Pump Press	Length of Pump Stroke		Strokes Per Min.	Liner Size		HOURS		Pump Press	Length of Pump Stroke		Strokes Per Min.	Liner Size		HOURS		Pump Press	Length of Pump Stroke		Strokes Per Min.	Liner Size		HOURS		Pump Press	Length of Pump Stroke		Strokes Per Min.	Liner Size		HOURS		Pump Press	Length of Pump Stroke		Strokes Per Min.	Liner Size		HOURS		Pump Press	Length of Pump Stroke		Strokes Per Min.	Liner Size													
	On Line	Circulating								On Line	Circulating								On Line	Circulating																																								
	No. 1									No. 1									No. 1																																									
	No. 2									No. 2									No. 2																																									
MUD RECORD	Time	Visc.		WE	WL		pH	ADDITIVES — POUNDS		Time	Visc.		Wt.	WL		pH	ADDITIVES — POUNDS		Time	Visc.		Wt.	WL		pH	ADDITIVES — POUNDS		Time	Visc.		Wt.	WL		pH	ADDITIVES — POUNDS		Time	Visc.		Wt.	WL		pH	ADDITIVES — POUNDS																
CORING	Core No.	Depth In		Footage	Hours Run		Depth Out	Recovery		Core No.	Depth In		Footage	Hours Run		Depth Out	Recovery		Core No.	Depth In		Footage	Hours Run		Depth Out	Recovery		Core No.	Depth In		Footage	Hours Run		Depth Out	Recovery																									
DETAIL OF OPERATIONS AND REMARKS	From		To		Hrs.				From		To		Hrs.						From		To		Hrs.																																					

HEADING UP & DRLG. OUT:
DRILLING:
REAMING:CLASSES OF TIME BREAKDOWN
TOTCO:
FISHING:
CIRCULATING:CASING:
W.O.C.
D.S. TESTING:LOGGING:
W.O. ORDERS:
RIG REPAIRS:RIG MAINTENANCE:
MISCELLANEOUS:
CONDITION HOLE:REAMING CLEANING:
WORKING PIPE:
LOST CIRC.:DID YOU CHECK BLOWOUT
PREVENTER EQUIPMENT TODAY

YES NO

Total Contract Timehrs.

Total Company Timehrs.

Toolpusher

Approved by

[Signature]

WEIL NAME I.O.E. PROVIDENCE

Lsd. 145 Sec. 61° Twn. 140' Rge. 117° W. 00'

Contractor INSPIRATION Month FEB Day 25 1968

	1st Tour From: 12:00 Midnight To: 8:00 a.m.						2nd Tour From: 8:00 a.m. To: 4:00 p.m.						3rd Tour From: 4:00 p.m. To: 12:00 p.m.																	
DEPTH	From		To	Hole Made	Bit Size	Formation	From		To	Hole Made	Bit Size	Formation	From		To	Hole Made	Bit Size	Formation												
	777						777				3		777				3													
DRILLING STRING	Size-D.P.		Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.		Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.		Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.									
	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL		DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL		DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL										
	COLLAR					DRILLING STRING DRILL COLLARS <th colspan="2">COLLAR</th> <td></td> <td></td> <td></td> <td colspan="2">DRILLING STRING DRILL COLLARS<th colspan="2">COLLAR</th><td></td><td></td><td></td><td colspan="2">DRILLING STRING DRILL COLLARS</td></td>		COLLAR					DRILLING STRING DRILL COLLARS <th colspan="2">COLLAR</th> <td></td> <td></td> <td></td> <td colspan="2">DRILLING STRING DRILL COLLARS</td>		COLLAR					DRILLING STRING DRILL COLLARS										
	DATA					<th colspan="2">DATA</th> <td></td> <td></td> <td></td> <td colspan="2"><th colspan="2">DATA</th><td></td><td></td><td></td><td colspan="2"></td></td>		DATA					<th colspan="2">DATA</th> <td></td> <td></td> <td></td> <td colspan="2"></td>		DATA															
BIT RECORD	No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed	No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed	No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed			
										2	NXWL									3	NXWL									
SURVEYS	Jet ☐ Conventional ☐						Jet ☐ Conventional ☐						Jet ☐ Conventional ☐																	
	Nozzle Size						Nozzle Size						Nozzle Size																	
PUSH PUMP RECORD No. 1 No. 2	Depth		Deviation		HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	Depth		Deviation		HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	Depth		Deviation		HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
	On Line	Circulating									On Line	Circulating									On Line	Circulating								
MUD RECORD	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS		Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS		Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS										
						BRAN 1/2 SAX SALT 10 SAX							200 CACH-2 100 SALT GEL 500 SALT																	
CORING	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery												
DETAIL OF OPERATIONS AND REMARKS	From To Hrs.						From To Hrs.						From To Hrs.																	
	Mix Lost Circulation MATERIAL - TRY TO RECOVER CIRCULATION GAS SHOWING AFTER LOBBING CIRCULATION						Mix MUD CIRCULATE GAS SHOWING TRIP. CORE BIT BROKEN MATRIX + 2" OF SHAFT IN HOLE						TRIP MILL ON FISH																	
Driller.....						Driller.....						Driller.....																		

HEADING UP & DRLG. OUT:
DRILLING:
REAMING:

CLASSES OF TIME BREAKDOWN	
TOTCO:	CONDITIONING MUD:
FISHING:	TRIPPING:
CIRCULATING:	CORING:

CASING:
W.O.C.
D.S. TESTING:

LOGGING:
W.O. ORDERS:
RIG REPAIRS:

RIG MAINTENANCE:
MISCELLANEOUS:
CONDITION HOLE:

REAMING CLEANING:
WORKING PIPE:
LOST CIRC.:

**DID YOU CHECK BLOWOUT
PREVENTER EQUIPMENT TODAY**

YES _____ NO _____

Total Contract Timehrs.

Total Company Timehrs.

Toolpusher

Approved by

YES W. H. Baker

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 20WELL NAME IDE PROVIDENCE 145 Lsd. 61° Sec. 40 Twn. 117 Rge. 00 W. Contractor INSPIRATION Month FEB Day 24 19.68

1st Tour From: 12:00 Midnight To: 8:00 a.m.										2nd Tour From: 8:00 a.m. To: 4:00 p.m.										3rd Tour From: 4:00 p.m. To: 12:00 p.m.									
From		To		Hole Made		Bit Size		Formation		From		To		Hole Made		Bit Size		Formation		From		To		Hole Made		Bit Size		Formation	
776										776										776 777									
Size-D.P. Stands Singles Kelly Drill. Collar Ft. Core Bbl. Ft.										Size-D.P. Stands Singles Kelly Drill. Collar Ft. Core Bbl. Ft.										Size-D.P. Stands Singles Kelly Drill. Collar Ft. Core Bbl. Ft.									
DRILLING STRING										DRILLING STRING										DRILLING STRING									
DRILL Number OD ID Length INDICATOR WEIGHT OF TOTAL										DRILL Number OD ID Length INDICATOR WEIGHT OF TOTAL										DRILL Number OD ID Length INDICATOR WEIGHT OF TOTAL									
COLLAR										COLLAR										COLLAR									
DATA										DATA										DATA									
No. Type Time On Bit Footage WOB RPM Depth Pulled Total Footage Drilled Reamed										No. Type Time On Bit Footage WOB RPM Depth Pulled Total Footage Drilled Reamed										No. Type Time On Bit Footage WOB RPM Depth Pulled Total Footage Drilled Reamed									
BIT RECORD										BIT RECORD										BIT RECORD									
Bit Serial No. Jet ☐ Conventional ☐										Bit Serial No. Jet ☐ Conventional ☐										Bit Serial No. 970-2080 Jet ☐ Conventional ☐									
Nozzle Size Bit Wear: T B G										Nozzle Size Bit Wear: T B G										Nozzle Size Bit Wear: T B G									
SURVEYS										SURVEYS										SURVEYS									
Depth Deviation										Depth Deviation										Depth Deviation									
HOURS										HOURS										HOURS									
On Line Circulating Pump Press Length of Pump Stroke Strokes Per Min. Liner Size										On Line Circulating Pump Press Length of Pump Stroke Strokes Per Min. Liner Size										On Line Circulating Pump Press Length of Pump Stroke Strokes Per Min. Liner Size									
MUD RECORD										MUD RECORD										MUD RECORD									
Time Visc. Wt. W L pH ADDITIVES — POUNDS										Time Visc. Wt. W L pH ADDITIVES — POUNDS										Time Visc. Wt. W L pH ADDITIVES — POUNDS									
BRAN 1 SAX										BRAN 1 SAX										BRAN 1 SAX									
SALT 10 SAX										SALT 10 SAX										SALT 10 SAX									
CORING										CORING										CORING									
Core No. Depth In Footage Hours Run Depth Out Recovery										Core No. Depth In Footage Hours Run Depth Out Recovery										Core No. Depth In Footage Hours Run Depth Out Recovery									
DETAIL OF OPERATIONS AND REMARKS										DETAIL OF OPERATIONS AND REMARKS										DETAIL OF OPERATIONS AND REMARKS									
RUN TAP										Mix lost circulation										CORE 1 FOOT - SAMEID									
RECOVER FISH										MATERIAL - Circulate										CORE									
RUN IN										GAS FROM 1940										TRIP									
CIRC HOLE																				LOST CIRCULATION									
CLEAN																													
Driller.....										Driller.....										Driller.....									

HEADING UP & DRLG. OUT:
DRILLING:
REAMING:CLASSES OF TIME BREAKDOWN
TOTCO:
FISHING:
CIRCULATING:CONDITIONING MUD:
TRIPPING:
CORING:CASING:
W.O.C.
D.S. TESTING:LOGGING:
W.O. ORDERS:
RIG REPAIRS:RIG MAINTENANCE:
MISCELLANEOUS:
CONDITION HOLE:REAMING CLEANING:
WORKING PIPE:
LOST CIRC.:DID YOU CHECK BLOWOUT
PREVENTER EQUIPMENT TODAY

YES NO

Total Contract Timehrs.

Total Company Timehrs.

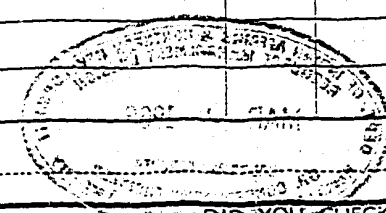
Toolpusher

Approved by

[Signature]

WELL NAME LOE PROVIDENCE L 45 Lsd 61° Sec 40' Twn 117° Rge 00 W Contractor INSPIRATION Month FEB Day 23 1968

	1st Tour From: 12:00 Midnight To: 6:00 a.m.						2nd Tour From: 8:00 a.m. To: 4:00 p.m.						3rd Tour From: 4:00 p.m. To: 12:00 p.m.																															
DEPTH	From		To		Hole Made		Bit Size		Formation		From		To		Hole Made		Bit Size		Formation		From		To		Hole Made		Bit Size		Formation															
DRILLING STRING	Size-D.P.		Stands		Singles		Kelly		Drill. Collar Ft.		Core Bbl. Ft.		Size-D.P.		Stands		Singles		Kelly		Drill. Collar Ft.		Core Bbl. Ft.		Size-D.P.		Stands		Singles		Kelly		Drill. Collar Ft.		Core Bbl. Ft.									
	DRILL		Number		OD		ID		Length		INDICATOR WEIGHT OF TOTAL		DRILL		Number		OD		ID		Length		INDICATOR WEIGHT OF TOTAL		DRILL		Number		OD		ID		Length		INDICATOR WEIGHT OF TOTAL									
	COLLAR										DRILLING STRING		COLLAR										DRILLING STRING		COLLAR								DRILLING STRING		DRILL COLLARS									
	DATA												DATA												DATA																			
BIT RECORD	No.		Type		Time On Bit		Footage		WOB		RPM		Depth Pulled		Total Footage Drilled		Reamed		No.		Type		Time On Bit		Footage		WOB		RPM		Depth Pulled		Total Footage Drilled		Reamed									
	Bit Serial No.				Jet ☐ Conventional ☐						Nozzle Size		Bit Wear: T B G		Jet ☐ Conventional ☐				Nozzle Size		Bit Wear: T B G		Jet ☐ Conventional ☐				Nozzle Size		Bit Wear: T B G		Jet ☐ Conventional ☐													
SURVEYS	Depth		Deviation								Depth		Deviation						Depth		Deviation						Depth		Deviation															
PUMP RECORD	HOURS		On Line		Circulating		Pump Press		Length of Pump Stroke		Strokes Per Min.		Liner Size		HOURS		On Line		Circulating		Pump Press		Length of Pump Stroke		Strokes Per Min.		Liner Size		HOURS		On Line		Circulating		Pump Press		Length of Pump Stroke		Strokes Per Min.		Liner Size			
	No. 1														No. 2														No. 1															
MUD RECORD	Time		Visc.		Wt.		W L		pH		ADDITIVES — POUNDS		Time		Visc.		Wt.		W L		pH		ADDITIVES — POUNDS		Time		Visc.		Wt.		W L		pH		ADDITIVES — POUNDS									
CORING	Core No.		Depth In		Footage		Hours Run		Depth Out		Recovery		Core No.		Depth In		Footage		Hours Run		Depth Out		Recovery		Core No.		Depth In		Footage		Hours Run		Depth Out		Recovery									
DETAIL OF OPERATIONS AND REMARKS							From		To		Hrs.										From		To		Hrs.										From		To		Hrs.					
	TRIP OUT												WELD FISHING 8-												PULL FISH 4- 6- 2																			
	CORE BBL JAMMED												TOOL												CLEAN CORE 6																			
	DROPPED RODS												RUN IN WITH 150												BBL 8- 2																			
	SLIPS DIDNT												TAP - CIRC -												RUN IN - DROPPED																			
	HOLD												PULL FISH												RODS TO BOTTOM 4																			
	USING 2 5/8" N" ROD																								AGAIN - CHANGED																			
	SLIPS ON 2 7/8																								SLIPS.																			
	" NXWL" ROD																																											
	Driller.....												Driller.....												Driller.....																			



**DID YOU CHECK BLOWOUT
PREVENTER EQUIPMENT TODAY?**

YES NO

HEADING UP & DRLG. OUT:
DRLING:
REAMING:

CLASSES OF TIME BREAKDOWN

TOTCO:
FISHING:
CIRCULATING:

BREAKDOWN
CONDITIONING MUD:
TRIPPING:
CORING:

CASING:
W.O.C.
D.S. TESTING:

LOGGING:
W. O. ORDERS:
RIG REPAIRS:

RIG MAINTENANCE:
MISCELLANECUS:
CONDITION HOLE:

REAMING CLEANING:
WORKING PIPE:
LOST CIRC.:

Total Contract Time hrs.

Total Company Timehrs.

Toolpusher

Approved by _____

YES NO
John C. McHester

YES 7 NO

Total Contract Time hrs. Total Company Time hrs. Toolpusher Approved by John C. [Signature]

Total Contract Timehrs. Total Company Timehrs. Toolpusher Approved by John A. F. Hunt

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IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 23

ROUTEDENCE SD. 61 SEC. 40 TWN. 117 RGE. 00 W. Contractor INSPIRATION Type Rig BOYLES #2 Month FEB Day 19 1968

1st Tour From: 12:00 Midnight To: 8:00 a.m.										2nd Tour From: 8:00 a.m. To: 4:00 p.m.										3rd Tour From: 4:00 p.m. To: 12:00 p.m.																											
From		To		Hole Made		Hole Size		Formation		From		To		Hole Made		Hole Size		Formation		From		To		Hole Made		Hole Size		Formation																			
680										680										680		691		11		3																					
Size-D.P.		Stands		Singles		Kelly		Drill. Collar Ft.		Core Bbl. Ft.		Size-D.P.		Stands		Singles		Kelly		Drill. Collar Ft.		Core Bbl. Ft.		Size-D.P.		Stands		Singles		Kelly		Drill. Collar Ft.		Core Bbl. Ft.													
DRILLING STRING										DRILLING STRING										DRILLING STRING																											
DRILL		Number		OD		ID		Length		INDICATOR WEIGHT OF TOTAL		DRILL		Number		OD		ID		Length		INDICATOR WEIGHT OF TOTAL		DRILL		Number		OD		ID		Length		INDICATOR WEIGHT OF TOTAL													
COLLAR										DRILLING STRING		COLLAR										DRILLING STRING		COLLAR								DRILLING STRING		COLLAR													
DATA										DATA										DATA																											
BEST RECORD										BEST RECORD										BEST RECORD																											
No.		Type		Time On Bottom At		Time Pulled At		Total Hours Run		Depth Pulled		Weight On Bit M Pounds		FOOTAGE		No.		Type		Time On Bottom At		Time Pulled At		Total Hours Run		Depth Pulled		Weight On Bit M Pounds		FOOTAGE		No.		Type		Time On Bottom At		Time Pulled At		Total Hours Run		Depth Pulled		Weight On Bit M Pounds		FOOTAGE	
														Drilled		Reamed																Drilled		Reamed													
SURVEYS										SURVEYS										SURVEYS																											
Bit Serial No.				Table R.P.M.						Bit Serial No.				Table R.P.M.						Bit Serial No.				Table R.P.M.								Bit Serial No.				Table R.P.M.											
Jet or Conventional -				Nozzle Size						Jet or Conventional -				Nozzle Size						Jet or Conventional -				Nozzle Size								Jet or Conventional -				Nozzle Size											
Kind		at		Ft.		Deg. off				Kind		at		Ft.		Deg. off				Kind		at		Ft.		Deg. off				Kind		at		Ft.		Deg. off											
HOURS				Pump Press		Length of Pump Stroke		Strokes Per Min.		Liner Size		HOURS				Pump Press		Length of Pump Stroke		Strokes Per Min.		Liner Size		HOURS				Pump Press		Length of Pump Stroke		Strokes Per Min.		Liner Size													
On Line		Circulating										On Line		Circulating										On Line		Circulating																					
Time		Visc.		Wt.		W L		pH		ADDITIVES — POUNDS		Time		Visc.		Wt.		W L		pH		ADDITIVES — POUNDS		Time		Visc.		Wt.		W L		pH		ADDITIVES — POUNDS													
CORING										CORING										CORING																											
From		To		Ft. Cored		Ft. Rec'd.		Core No.		Type Bbl.		From		To		Ft. Cored		Ft. Rec'd.		Core No.		Type Bbl.		From		To		Ft. Cored		Ft. Rec'd.		Core No.		Type Bbl.													
DETAIL OF OPERATIONS AND REMARKS										DETAIL OF OPERATIONS AND REMARKS										DETAIL OF OPERATIONS AND REMARKS																											
CORE JAMMED										THAWING OUT										RUN IN																											
PULL RODS.																				CIRC																											
																				CORING																											
FROZE PUMP																				CORE BBL JAMMED																											
KELLY HOSE ETC																				PULL RODS.																											
																				12 4																											
Driller.....										Driller.....										Driller.....																											

 LEADING UP & DRG. OUT:
 RILLING:
 EAMING:

 CLASSES OF TIME BREAKDOWN
 TOTCO: CONDITIONING MUD: CASING: LOGGING: RIG MAINTENANCE: REAMING CLEANING: MNFR. DRILLING LINE IN USE REEL SERIAL No.
 FISHING: TRIPPING: W.O.C. W. O. ORDERS: MISCELLANEOUS: WORKING PIPE: MNFR. OF KELLY HOSE IN USE HOSE SERIAL No.
 CIRCULATING: CORING: D.S. TESTING: RIG REPAIRS: CONDITION HOLE: LOST CIRC.:

 DID YOU CHECK BLOWOUT
 PREVENTER EQUIPMENT TODAY

Total Contract Timehrs.

Total Company Timehrs.

Toolpusher

Approved by

J. A. D. J.

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IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 22

PROVIDENCE 61° SEC. 40' TWN. 117° RGE. 00' W.

Contractor INSPIRATION

Type Rig BOYLES #2 Month FEB Day 18 1968

1st Tour From: 12:00 Midnight To: 8:00 a.m.

2nd Tour From: 8:00 a.m. To: 4:00 p.m.

3rd Tour From: 4:00 p.m. To: 12:00 p.m.

1st Tour From: 12:00 Midnight To: 8:00 a.m.												2nd Tour From: 8:00 a.m. To: 4:00 p.m.												3rd Tour From: 4:00 p.m. To: 12:00 p.m.											
From		To		Hole Made		Hole Size		Formation		From		To		Hole Made		Hole Size		Formation		From		To		Hole Made		Hole Size		Formation							
585		636		51		3		SHALE		636		666		30		3		SHALE		666		680		14		3		OILY SHALE							
Size-D.P.		Stands		Singles		Kelly		Drill. Collar Ft.		Core Bbl. Ft.		Size-D.P.		Stands		Singles		Kelly		Drill. Collar Ft.		Core Bbl. Ft.		Size-D.P.		Stands		Singles		Kelly		Drill. Collar Ft.		Core Bbl. Ft.	
27/8										27/8										27/8															
DRILLING STRING												DRILLING STRING												DRILLING STRING											
DRILL												DRILL												DRILL											
COLLAR												COLLAR												COLLAR											
DATA												DATA												DATA											
BIT RECORD												BIT RECORD												BIT RECORD											
No. Type Time On Bottom At Time Pulled At Total Hours Run Depth Pulled Weight On Bit M Pounds FOOTAGE Drilled Reamed												No. Type Time On Bottom At Time Pulled At Total Hours Run Depth Pulled Weight On Bit M Pounds FOOTAGE Drilled Reamed												No. Type Time On Bottom At Time Pulled At Total Hours Run Depth Pulled Weight On Bit M Pounds FOOTAGE Drilled Reamed											
1 NXWL 4- 28 1/2 429												1 NXWL 4- 95 459												1 NXWL 4- 103 473											
Bit Serial No. 870-20074 Table R.P.M.												Bit Serial No. 870-20074 Table R.P.M.												Bit Serial No. 870-20074 Table R.P.M.											
Jet or Conventional - Nozzle Size												Jet or Conventional - DIAMOND CORE Nozzle Size												Jet or Conventional - DIAMOND CORE Nozzle Size											
Kind at Ft. Deg. off												Kind at Ft. Deg. off												Kind at Ft. Deg. off											
HOURS												HOURS												HOURS											
On Line Circulating Pump Press Length of Pump Stroke Strokes Per Min. Liner Size												On Line Circulating Pump Press Length of Pump Stroke Strokes Per Min. Liner Size												On Line Circulating Pump Press Length of Pump Stroke Strokes Per Min. Liner Size											
8 300												6 1/2 300 3																							
MUD RECORD												MUD RECORD												MUD RECORD											
Time Visc. Wt. W L pH ADDITIVES - POUNDS												Time Visc. Wt. W L pH ADDITIVES - POUNDS												Time Visc. Wt. W L pH ADDITIVES - POUNDS											
585 595 10 10 42												636 645 9 9 47												665 676 11 10											
595 606 10 10 43																																			
606 616 10 10 44												636 645 9 9 47												665 676 11 10											
CORING												CORING												CORING											
From To Ft. Cored Ft. Rec'd. Core No. Type Bbl.												From To Ft. Cored Ft. Rec'd. Core No. Type Bbl.												From To Ft. Cored Ft. Rec'd. Core No. Type Bbl.											
616 626 10 10 45												645 655 10 10 48 BOYLES												676 680 4 3											
626 636 10 10 46												655 665 10 10 49																							
From To Hrs.												From To Hrs.												From To Hrs.											
CORING 12- 8- 8												CLEAN TANK CORING 8- 930 1 1/2												CORING 4- 12-											
												930 4- 6 1/2																							
DETAIL OF OPERATIONS AND REMARKS												DETAIL OF OPERATIONS AND REMARKS												DETAIL OF OPERATIONS AND REMARKS											
Driller.....												Driller.....												Driller.....											

HEADING UP & DRLG. OUT:
DRILLING:
REAMING:

CLASSES OF TIME BREAKDOWN

TOTCO:
FISHING:
CIRCULATING:CONDITIONING MUD:
TRIPPING:
CORING:CASING:
W.O.C.
D.S. TESTING:LOGGING:
W. O. ORDERS:
RIG REPAIRS:RIG MAINTENANCE:
MISCELLANEOUS:
CONDITION HOLE:REAMING CLEANING:
WORKING PIPE:
LOST CIRC.:

MNFR. DRILLING LINE IN USE

REEL SERIAL No.

MNFR. OF KELLY HOSE IN USE

HOSE SERIAL No.

DID YOU CHECK BLOWOUT
PREVENTER EQUIPMENT TODAY

YES NO

Total Contract Timehrs.

Total Company Timehrs.

Toolpusher

Approved by

John G. McF...

PROVIDENCE SD. 15 SEC. 61 TWN. 40 RGE. 117 W. 00 Contractor INSPIRATION Type Rig BOYLES #2 Month FEB Day 16 1968

[illegible]

CLASSES OF TIME BREAKDOWN										DID YOU CHECK BLOWOUT PREVENTER EQUIPMENT TODAY	
HEADING UP & DRLG. OUT:	TOTCO:	CONDITIONING MUD:	CASING:	LOGGING:	RIG MAINTENANCE:	REAMING CLEANING:	MNFR. DRILLING LINE IN USE	REEL SERIAL No.			
DRILLING:	FISHING:	TRIPPING:	W.O.C.	W. O. ORDERS:	MISCELLANEOUS:	WORKING PIPE:					
REAMING:	CIRCULATING:	CORING:	D.S. TESTING:	RIG REPAIRS:	CONDITION HOLE:	LOST CIRC.:	MNFR. OF KELLY HOSE IN USE	HOSE SERIAL No.		YES	NO

Total Contract Time hrs. Total Company Time hrs. Toolpusher Approved by *[Signature]*

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 19

105
PROVIDENCE SD. 15 SEC. 6.1. TWN. 40 RGE. 1.17 W. 0.0

Contractor INSPIRATION

Type Rig BOYLES #2 Month FEB Day 15 1968

1st Tour From: 12:00 Midnight To: 8:00 a.m.

2nd Tour From: 8:00 a.m. To: 4:00 p.m.

3rd Tour From: 4:00 p.m. To: 12:00 p.m.

DEPTH	1st Tour From: 12:00 Midnight To: 8:00 a.m.					2nd Tour From: 8:00 a.m. To: 4:00 p.m.					3rd Tour From: 4:00 p.m. To: 12:00 p.m.																			
	From	To	Hole Made	Hole Size	Formation	From	To	Hole Made	Hole Size	Formation	From	To	Hole Made	Hole Size	Formation															
433						433	458	25	3	SHALE	458	493	35	3	SHALE															
DRILLING STRING	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.												
DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL		DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL		DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL											
COLLAR							COLLAR							COLLAR																
DATA							DATA							DATA																
BIT RECORD	No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE		No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE		No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE				
	1	NWUL 4-							Drilled	Reamed	1	NWUL 4-			52 1/2				254	1	NWUL 4-			60 1/2				286		
SURVEYS	Bit Serial No.						Table R.P.M.						Bit Serial No.						Table R.P.M.											
	Jet or Conventional -						Jet or Conventional -						Jet or Conventional -						Jet or Conventional -											
PUMP RECORD	Kind at Ft. Deg. off						Kind at Ft. Deg. off						Kind at Ft. Deg. off						Kind at Ft. Deg. off											
	HOURS						HOURS						HOURS						HOURS											
MUD RECORD	On Line	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	On Line	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	On Line	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	On Line	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	On Line	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
	4						4		300				8			300			8											
CORING	Time	Visc.	Wt.	WL	pH	ADDITIVES - POUNDS	Time	Visc.	Wt.	WL	pH	ADDITIVES - POUNDS	Time	Visc.	Wt.	WL	pH	ADDITIVES - POUNDS	Time	Visc.	Wt.	WL	pH	ADDITIVES - POUNDS	Time	Visc.	Wt.	WL	pH	ADDITIVES - POUNDS
							WATER																							
DETAIL OF OPERATIONS AND REMARKS	From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.	From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.	From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.	From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.	From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.
	433	443	10	10	27		443	453	10	10	28	BOYLES	453	463	10	10	29		463	473	10	10	30		473	483	10	10	31	BOYLES
DRILLER	From	To	Hrs.	From	To	Hrs.	From	To	Hrs.	From	To	Hrs.	From	To	Hrs.	From	To	Hrs.	From	To	Hrs.	From	To	Hrs.	From	To	Hrs.	From	To	Hrs.
	WAITING ON WATER 8						WAITING ON WATER 8-12-4						CORING 12-4-4						CORING 8											

HEADING UP & DRLG. OUT: DRILLING: REAMING: CLASSES OF TIME BREAKDOWN: TOTCO: CONDITIONING MUD: FISHING: TRIPPING: CIRCULATING: CORING: CASING: W.O.C. D.S. TESTING: LOGGING: W. O. ORDERS: RIG REPAIRS: RIG MAINTENANCE: MISCELLANEOUS: CONDITION HOLE: REAMING CLEANING: WORKING PIPE: LOST CIRC.: MNFR. DRILLING LINE IN USE: REEL SERIAL No.: MNFR. OF KELLY HOSE IN USE: HOSE SERIAL No.: DID YOU CHECK BLOWOUT PREVENTER EQUIPMENT TODAY: YES NO

Total Contract Time _____hrs. Total Company Time _____hrs. Toolpusher _____ Approved by John R. McArthur

L 45

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 18

PROVIDENCE LSD. 15 SEC. 61 TWN. 40 RGE. 117 W. 00 Contractor INSPIRATION Type Rig BOYLES #2 Month FEB Day 14 1968

1st Tour From: 12:00 Midnight To: 8:00 a.m.

2nd Tour From: 8:00 a.m. To: 4:00 p.m.

3rd Tour From: 4:00 p.m. To: 12:00 p.m.

1st Tour From: 12:00 Midnight To: 8:00 a.m.										2nd Tour From: 8:00 a.m. To: 4:00 p.m.										3rd Tour From: 4:00 p.m. To: 12:00 p.m.																	
DEPTH		From	To	Hole Made	Hole Size	Formation				DEPTH		From	To	Hole Made	Hole Size	Formation				DEPTH		From	To	Hole Made	Hole Size	Formation											
423		433	10	3"	SHALE				423		433	10	3					433																			
Size-D.P.		Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.				Size-D.P.		Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.				Size-D.P.		Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.											
										27/8																											
DRILLING STRING		DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL				DRILL		Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL				DRILL		Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL										
COLLAR						DRILLING STRING				COLLAR								DRILLING STRING				COLLAR								DRILLING STRING				COLLAR			
DATA										DATA										DATA																	
BIT RECORD		No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE		No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE		No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE										
									Drilled Reamed										Drilled Reamed											Drilled Reamed							
Bit Serial No.						Table R.P.M.				Bit Serial No.						Table R.P.M.				Bit Serial No.						Table R.P.M.											
Jet or Conventional -						Nozzle Size				Jet or Conventional -						Nozzle Size				Jet or Conventional -						Nozzle Size											
SURVEYS		Kind	at	Ft.	Deg. off				Kind		at	Ft.	Deg. off				Kind		at	Ft.	Deg. off																
HOURS		On Line	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURS		On Line	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURS		On Line	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size														
MUD RECORD		Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS				Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS				Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS												
CORING		From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.				From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.				From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.												
											423	433	10	10	26	BOYLES.																					
DETAIL OF OPERATIONS AND REMARKS						From	To	Hrs.					From	To	Hrs.					From	To	Hrs.															
		W.O.C.				12	8-	8-	W.O.C.				8	9-	1	W.O.W.							8														
									RUN IN				9-	1230	3 1/2																						
									CIRC				1230	1-	1/2																						
									CORING				1-	230	1 1/2																						
									W.O.W.ATER.				230	4-	1 1/2																						
Driller.....										Driller.....												Driller.....															

HEADING UP & DRLG. OUT:
DRILLING:
REAMING:

CLASSES OF TIME BREAKDOWN

TOTCO: CONDITIONING MUD: CASING:
FISHING: TRIPPING: W.O.C.
CIRCULATING: CORING: D.S. TESTING:LOGGING:
W. O. ORDERS:
RIG REPAIRS:RIG MAINTENANCE:
MISCELLANEOUS:
CONDITION HOLE:REAMING CLEANING:
WORKING PIPE:
LOST CHRG.:MNFR. DRILLING LINE IN USE
MNFR. OF KELLY HOSE IN USE

REEL SERIAL No.

HOSE SERIAL No.

DID YOU CHECK BLOWOUT
PREVENTER EQUIPMENT TODAY

YES NO

Total Contract Timehrs.

Total Company Timehrs.

Toolpusher

Approved by

John A. McArthur

PROVIDENCE ISD. 15 SEC. 61 TWN. 40 RGE. 117 W. 00 Contractor INSPIRATION Type Rig B-0YLES Month FEB Day 13 1968

	1st Tour From: 12:00 Midnight To: 8:00 a.m.						2nd Tour From: 8:00 a.m. To: 4:00 p.m.						3rd Tour From: 4:00 p.m. To: 12:00 p.m.											
DEPTH	From	To	Hole Made	Hole Size	Formation		From	To	Hole Made	Hole Size	Formation		From	To	Hole Made	Hole Size	Formation							
	355	379	24	3	SHALE		379	423	44	3			423											
	Size-D.P.	Stands	Singles	Kelly	Drill Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill Collar Ft.	Core Bbl. Ft.						
	2 7/8						2 7/8																	
DRILLING STRING	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL						
	COLLAR					DRILLING STRING	COLLAR					DRILLING STRING	COLLAR					DRILLING STRING						
	DATA					DRILL COLLARS	DATA					DRILL COLLARS	DATA					DRILL COLLARS						
BIT RECORD	No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE		No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE							
								Drilled	Reamed								Drilled	Reamed						
	1	NXWL 4"			3.9			1.72		1	NXWL			4.7				2.16						
	Bit Serial No. 870-20074						Table R.P.M.		Bit Serial No. 870-20074						Table R.P.M.		Bit Serial No.						Table R.P.M.	
	Jet or Conventional -						Nozzle Size		Jet or Conventional -						Nozzle Size		Jet or Conventional -						Nozzle Size	
SURVEYS	Kind	at		Ft.	Deg. off		Kind	at		Ft.	Deg. off		Kind	at		Ft.	Deg. off							
	HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size						
	On Line	Circulating					On Line	Circulating					On Line	Circulating										
MUD RECORD	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS		Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS		Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS				
						WATER														CEMENTED NX CASING WITH 15 SKS CEMENT PLUS 270 CACL ₂ PLUG DOWN @ 9 PM.				
	351	360		9	9	18		379	389		10	10	21		389	399		10	10	22				
CORING	From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.	From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.	From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.						
	360	369	9	9	19		399	409	10	10	23													
	369	379	10	10	20		409	419	10	10	24													
DETAIL OF OPERATIONS AND REMARKS							From	To	Hrs.							From	To	Hrs.						
	CORING						12-	730	7 1/2	CORING						8-	4-	3						
	CIRC - [REDACTED]						730																	
							800	1/2																
Driller.....						Driller.....						Driller.....												

CLASSES OF TIME BREAKDOWN										DID YOU CHECK BLOWOUT PREVENTER EQUIPMENT TODAY	
LEADING UP & DRLG. OUT: DRILLING: HEAVING:	TOTCO:	CONDITIONING MUD:	CASING:	LOGGING:	RIG MAINTENANCE:	REAMING CLEANING:	MNFR. DRILLING LINE IN USE	REEL SERIAL No.			
	FISHING:	TRIPPING:	W.O.C.	W. O. ORDERS:	MISCELLANEOUS:	WORKING PIPE:					
	CIRCULATING:	CORING:	D.S. TESTING:	RIG REPAIRS:	CONDITION HOLE:	LOST CIRC.:	MNFR. OF KELLY HOSE IN USE	HOSE SERIAL No.	YES	NO	

Total Contract Timehrs. Total Company Timehrs. Toolpusher Approved by Paul A. McPherson

PROVIDENCE SD. 15 SEC. 61 TWN. 40 RGE. 117 W. 00 Contractor INSPIRATION Type Rig BOYLES #2 Month FEB Day 12 1967

	1st Tour From: 12:00 Midnight To: 8:00 a.m.						2nd Tour From: 8:00 a.m. To: 4:00 p.m.						3rd Tour From: 4:00 p.m. To: 12:00 p.m.											
DEPTH	From	To	Hole Made	Hole Size	Formation		From	To	Hole Made	Hole Size	Formation		From	To	Hole Made	Hole Size	Formation							
	283	315	32	3"	SHALE		315	325	10	3"	SHALE		325	355	30	3"	SHALE							
DRILLING STRING	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.						
	2 7/8	NXWL					2 7/8						2 7/8											
	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL						
	COLLAR					DRILLING STRING	DRILL COLLARS	COLLAR					DRILLING STRING	DRILL COLLARS	COLLAR				DRILLING STRING	DRILL COLLARS				
DATA								DATA																
BIT RECORD	No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE		No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE							
								Drilled	Reamed								Drilled	Reamed						
	1	NXWL	4 -		23 1/2			108		1	NXWL	4 -		24 1/2			118							
SURVEYS	Bit Serial No. 870-20074						Table R.P.M.						Bit Serial No. 870-20074						Table R.P.M.					
	Jet or Conventional - DIAMOND						Nozzle Size						Jet or Conventional -						Nozzle Size					
	Kind	at	Ft.	Deg. off			Kind	at	Ft.	Deg. off			Kind	at	Ft.	Deg. off								
PUMP RECORD	HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size						
	On Line	Circulating					On Line	Circulating					On Line	Circulating										
	6						1						7											
MUD RECORD	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS		Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS		Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS				
						WATER																		
	283	293		10	10		10								327	337		10	10					
	293	303		10	10		11							337	347		10	10						
														347	351		5	5						
CORING	From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.	From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.	From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.						
	303	313	10	10	12	BOYLES	315	327	12	10	14	BOYLES	351		CORING			BOYLES						
DETAIL OF OPERATIONS AND REMARKS							From	To	Hrs.							From	To	Hrs.						
	CORING						12-	6-	6	TRIP TO RECOVER STUCK INNER CORE						SURVEY @ 325 CORING								
	STUCK INNER CORE									BBL						3- 7								
	BBL						6-	8-	2	CORING						3- 4- 1								
Driller.....						Driller.....						Driller.....												

**DID YOU CHECK BLOWOUT
PREVENTER EQUIPMENT TODAY?**

CLASSES OF TIME BREAKDOWN										PREVENTER EQUIPMENT TOD.	
HEADING UP & DRLG. OUT:	TOTCO:	CONDITIONING MUD:	CASING:	LOGGING:	RIG MAINTENANCE:	REAMING CLEANING:	MNFR. DRILLING LINE IN USE	REEL SERIAL No.			
DRILLING:	FISHING:	TRIPPING:	W.O.C.	W. O. ORDERS:	MISCELLANEOUS:	WORKING PIPE:					
REAMING:	CIRCULATING:	CORING:	D.S. TESTING:	RIG REPAIRS:	CONDITION HOLE:	LOST CIRC.:	MNFR. OF KELLY HOSE IN USE	HOSE SERIAL No.	YES	NO	

Total Contract Timehrs. Total Company Timehrs. Toolpusher Approved by [Signature]

Total Contract Timehrs. Total Company Timehrs. Toolpusher Approved by James G. [Signature]

Total Contract Time _____ hrs. Total Company Time _____ hrs. Toolpusher _____ Approved by [Signature] [Signature]

PROVIDENCE LSD

	1st Tour From: 12:00 Midnight To: 8:00 a.m.						2nd Tour From: 8:00 a.m. To: 4:00 p.m.						3rd Tour From: 4:00 p.m. To: 12:00 p.m.															
DEPTH	From	To	Hole Made	Hole Size	Formation		From	To	Hole Made	Hole Size	Formation		From	To	Hole Made	Hole Size	Formation											
	154	184	30	3 3/4	CLAY SAND		184	200	16	3 3/4			200															
	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.										
	2 5/8	N	W	ROD																								
DRILLING STRING	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL										
	COLLAR					DRILLING STRING	COLLAR					DRILLING STRING	COLLAR					DRILLING STRING										
	DATA					DRILL COLLARS	DATA					DRILL COLLARS	DATA					DRILL COLLARS										
BIT RECORD	No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE		No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE											
								Drilled	Reamed								Drilled	Reamed										
	3	H	12-		16			53		3		12-11-	19	200			69											
	Bit Serial No.							Table R.P.M.							Bit Serial No.							Table R.P.M.						
	Jet or Conventional -							Nozzle Size							Jet or Conventional -							Nozzle Size						
SURVEYS	Kind	at		Ft.	Deg. off		Kind	at		Ft.	Deg. off		Kind	at		Ft.	Deg. off											
	HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size										
ON LINE	Circulating						ON LINE	Circulating					ON LINE	Circulating														
NO. 1																												
NO. 2																												
MUD RECORD	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS		Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS		Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS								
		40				1 @ SKS GEL														2 SKS GEL								
						USED BIT #3.																						
CORING	From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.	From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.	From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.										
DETAIL OF OPERATIONS AND REMARKS							From	To	Hrs.							From	To	Hrs.										
	DRILLING						12-	8-	8	DRILLING						8-	11-	3	REAM NY CASING									
	3 LD									PULL OUT						11-	1230	1 1/2	TO BOTTOM									
										RUN NX CASING						1230	4-	3 1/2										
Driller.....						Driller.....						Driller.....																

CLASSES OF TIME BREAKDOWN										DID YOU CHECK BLOWOUT PREVENTER EQUIPMENT TODAY	
HEADING UP & DRLG. OUT:	TOTCO:	CONDITIONING MUD:	CASING:	LOGGING:	RIG MAINTENANCE:	REAMING CLEANING:	MNFR. DRILLING LINE IN USE	REEL SERIAL No.			
DRILLING:	FISHING:	TRIPPING:	W.O.C.	W. O. ORDERS:	MISCELLANEOUS:	WORKING PIPE:					
REAMING:	CIRCULATING:	CORING:	D.S. TESTING:	RIG REPAIRS:	CONDITION HOLE:	LOST CIRC.:	MNFR. OF KELLY HOSE IN USE	HOSE SERIAL No.		YES	NO

Total Contract Time hrs. Total Company Time hrs. Toolpusher Approved by *[Signature]*

PROVIDENCE LSD. 15 SEC. 61 TWN. 40 RGE. 117 W. 00 Contractor INSPIRATION Type Rig BOYLES #2 Month FEB Day 8 19 68

[illegible]

CLASSES OF TIME BREAKDOWN										DID YOU CHECK BLOWOUT PREVENTER EQUIPMENT TODAY	
HEADING UP & DRLG. OUT:	TOTCO:	CONDITIONING MUD:	CASING:	LOGGING:	RIG MAINTENANCE:	REAMING CLEANING:	MNFR. DRILLING LINE IN USE	REEL SERIAL No.			
DRILLING:	FISHING:	TRIPPING:	W.O.C.	W. O. ORDERS:	MISCELLANEOUS:	WORKING PIPE:					
REAMING:	CIRCULATING:	CORING:	D.S. TESTING:	RIG REPAIRS:	CONDITION HOLE:	LOST CIRC.:	MNFR. OF KELLY HOSE IN USE	HOSE SERIAL No.			
									YES	NO	

Total Contract Time hrs. Total Company Time hrs. Toolpusher Approved by [Signature]

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 11

PROVIDENCE SD. 15 SEC. 61 TWN. 40 RGE. 117 W. CO. Contractor INSPIRATION Type Rig BOYLES #2 Month FEB Day 7 1968

1st Tour From: 12:00 Midnight To: 8:00 a.m.															2nd Tour From: 8:00 a.m. To: 4:00 p.m.															3rd Tour From: 4:00 p.m. To: 12:00 p.m.																																								
DEPTH		From	To	Hole Made	Hole Size	Formation										DEPTH		From	To	Hole Made	Hole Size	Formation										DEPTH		From	To	Hole Made	Hole Size	Formation																																
		114	120	6	35/8													120	128	8	35/8													128	131	3	35/8																																	
DRILLING STRING		Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.									Size-D.P.		Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.									Size-D.P.		Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.																																	
		3																																																																				
		DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL										DRILL		Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL										DRILL		Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL																															
		COLLAR					DRILLING STRING										COLLAR							DRILLING STRING										COLLAR							DRILLING STRING																													
		DATA															DATA																	DATA																																				
BIT RECORD		No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE											No.		Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE											No.		Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE																							
			NX DIAMOND SHOE BIT						Drilled	Reamed													NX DIAMOND SHOE							Drilled	Reamed																		Drilled	Reamed																				
		Bit Serial No.					Table R.P.M.												Bit Serial No.					Table R.P.M.												Bit Serial No.					Table R.P.M.																													
		Jet or Conventional -					Nozzle Size												Jet or Conventional -					Nozzle Size												Jet or Conventional -					Nozzle Size																													
SURVEYS		Kind	at		Ft.		Deg. off												Kind		at		Ft.		Deg. off												Kind		at		Ft.		Deg. off																											
		HOURS				Pump Press		Length of Pump Stroke		Strokes Per Min.		Liner Size												HOURS				Pump Press		Length of Pump Stroke		Strokes Per Min.		Liner Size												HOURS				Pump Press		Length of Pump Stroke		Strokes Per Min.		Liner Size														
		On Line	Circulating																					On Line		Circulating																						On Line		Circulating																				
MUD RECORD		Time	Visc.	Wt.	W.L.	pH	ADDITIVES — POUNDS										Time		Visc.	Wt.	W.L.	pH	ADDITIVES — POUNDS										Time		Visc.	Wt.	W.L.	pH	ADDITIVES — POUNDS																															
							WATER																																																															
CORING		From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.												From		To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.												From		To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.																											
																			120		123	3/3		1													129		131	2	6"																													
DETAIL OF OPERATIONS AND REMARKS				From	To	Hrs.															From	To	Hrs.															From	To	Hrs.																														
		CLEAN OUT TO		12-															SET NX ON BOTTOM		8-															DRILLING		4-	415	1/4																														
		BOTTOM			5-	5													RUN IN AND TOOK																	CORE #2		415	8-	33/4																														
		DRILL		5-	8	3													CONVENTIONAL CORE		10-	2														DRILLING		8-	12-	4																														
																			STILL IN GLACIAL																																																			
																			DRIFT																																																			
																			WAIT ON WATER		10-	130	3 1/2																																															
																			DRILL WITH NX		130																																																	
																			CASING			4-	2 1/2																																															
		Driller.....															Driller.....															Driller.....																																						

CLASSES OF TIME BREAKDOWN

HEADING UP & DRG. OUT:
DRILLING:
REAMING:TOTCO:
FISHING:
CIRCULATING:CONDITIONING MUD:
TRIPPING:
CORING:CASING:
W.O.C.
D.S. TESTING:LOGGING:
W. O. ORDERS:
RIG REPAIRS:RIG MAINTENANCE:
MISCELLANEOUS:
CONDITION HOLE:REAMING CLEANING:
WORKING PIPE:
LOST CIRC.:MNFR. DRILLING LINE IN USE
MNFR. OF KELLY HOSE IN USE

REEL SERIAL No.

HOSE SERIAL No.

DID YOU CHECK BLOWOUT
PREVENTER EQUIPMENT TODAY

YES NO

Total Contract Timehrs.

Total Company Timehrs.

Toolpusher

Approved by

J. R. M. H. H.

by John A. McQuest

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 9
 PROVIDENCE LSD. 15 SEC. 61 TWN. 40 RGE. 117 W. 00 Contractor INSPIRATION Type Rig BOYLES #2 Month FEB Day 5 1968

1st Tour From: 12:00 Midnight To: 8:00 a.m.												2nd Tour From: 8:00 a.m. To: 4:00 p.m.												3rd Tour From: 4:00 p.m. To: 12:00 p.m.																
DEPTH		From	To	Hole Made	Hole Size	Formation						From	To	Hole Made	Hole Size	Formation						From	To	Hole Made	Hole Size	Formation														
114																																								
DRILLING STRING		Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.					Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.					Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.													
DRILL		Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL						DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL						DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL												
COLLAR							DRILLING STRING					DRILL COLLARS							DRILLING STRING					DRILL COLLARS							DRILLING STRING					DRILL COLLARS				
DATA												DATA										DATA																		
BIT RECORD		No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE			No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE			No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE											
									Drilled	Reamed										Drilled	Reamed																			
		Bit Serial No.					Table R.P.M.					Bit Serial No.					Table R.P.M.					Bit Serial No.					Table R.P.M.													
		Jet or Conventional					Nozzle Size					Jet or Conventional					Nozzle Size					Jet or Conventional					Nozzle Size													
SURVEYS		Kind	at		Ft.		Deg. off		Kind		at		Ft.		Deg. off		Kind		at		Ft.		Deg. off		Kind		at		Ft.		Deg. off									
HOURS		On Line		Circulating		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURS		On Line		Circulating		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURS		On Line		Circulating		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size											
No. 1										No. 2										No. 3																				
MUD RECORD		Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS					Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS					Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS													
CORING		From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.	From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.	From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.																					
DETAIL OF OPERATIONS AND REMARKS		From					To	Hrs.	From					To	Hrs.	From					To	Hrs.																		
		WOC														WOC																								
		WOC					8		WOC					8-9-1-		CEMENT @ 55'					5-	1																		
									CHANGED DUMPS					9-3-6-		DRILLING CEMENT.																								
									RUN IN					3-4-1		DRILLED SHOOF CAS-																								
														8		ING DROPPED 1-2 FT																								
																PULLED UP &																								
																CLAMPED CASING					12	7																		
Driller.....												Driller.....										Driller.....																		

 HEADING UP & DRLG. OUT:
 DRILLING:
 REAMING:

 CLASSES OF TIME BREAKDOWN
 TOTCO:
 FISHING:
 CIRCUITING:

 CONDITIONING MUD:
 TRIPPING:
 CORING:

 CASING:
 W.O.C.
 D.S. TESTING:

 LOGGING:
 W. O. ORDERS:
 RIG REPAIRS:

 RIG MAINTENANCE:
 MISCELLANEOUS:
 CONDITION HOLE:

 REAMING CLEANING:
 WORKING PIPE:
 LOST CIRC.:

MNFR. DRILLING LINE IN USE

REEL SERIAL No.

MNFR. OF KELLY HOSE IN USE

HOSE SERIAL No.

DID YOU CHECK BLOWOUT PREVENTER EQUIPMENT TODAY

YES NO

Total Contract Timehrs.

Total Company Timehrs.

Toolpusher

Approved by

John A. McF...

DATE

FEB 4 / 68

IMPERIAL OIL LIMITED

EDMONTON PRODUCING DIVISION

FORM No. 558

PAGE No.

CASING—CEMENTING REPORT

REFERENCE TALLY

No.

NAME OF WELL L-45-61-40-117-00

CONTRACT RIG DAYLF# 2

PREPARED BY

JOHN MCNUTT

CASING	SIZE O.D. (IN.)	WEIGHT LB/FT.	GRADE	MANUFACTURER	COLLARS SHORT/LONG	NO. OF JOINTS	AMOUNT FT.	DEPTH FT K.B. (o)
5	4 1/2	11.6	N80		LT4C	5	96' 5"	
STAGING COLLAR								
BACK-OFF COLLAR OR PACKER								
FLOAT COLLAR								
CASING								
SHOE							1.6"	

HOLE SIZE 6 1/4 IN. FROM 0 TO 114 FT.

HOLE SIZE IN. FROM TO FT.

HOLE SIZE IN. FROM TO FT.

K.B. TO TOP OF SURFACE CASING FLANGE 4.40 FT.

CASING CUTOFF IN. ABOVE TOP OF CASING FLGE.

TYPE OF CASING A.P.I. ☐ EXTREME LINE ☐POWER TONGS USED YES ☐ NO ☒

POWER TONGS SUPPLIED BY

TYPE OF FLOAT EQUIPMENT

MANUFACTURER

ITEM	TYPE	MANUFACTURER	No.	SPACING FT.	INTERVAL COVERED	FT. K.B. (o)
SCRATCHERS						
CENTRALIZERS						

TYPE OF MUD

INITIAL MUD: WT. LB./GAL. VISCOSITY SEC.

FINAL MUD: WT. LB./GAL. VISCOSITY SEC.

CEMENTED BY

CEMENT USED 15 SKS. GEL: 7 SKS.

ADDITIVES 290 CHCL₂ AMT. 20# SKS.

AMT. SKS.

TIME CASING STARTED IN HOLE 11:00 A.M. P.M.

DROPPING RATE AT 2000' WAS SEC. FOR FT. JT.

4000' WAS SEC. FOR FT. JT.

6000' WAS SEC. FOR FT. JT.

8000' WAS SEC. FOR FT. JT.

WAS THERE LOSS OF FLUID WHILE RUNNING PIPE?

IF SO AT WHAT DEPTH? FT.

TIME CASING ON BOTTOM A.M. 9:00 P.M.

CIRCULATION BROKEN AT A.M. 2:15 P.M.

PRESSURE REQUIRED TO BREAK CIRCULATION 50 P.S.I.

CIRCULATING PRESSURE AFTER CLEANUP 50 P.S.I.

STROKE LENGTH WHILE RECIPROCATING FT. INITIALLY

FT. FINALLY

TIME STARTED MIX CEMENT A.M. 4:00 P.M.

WAS BOTTOM PLUG USED NO?

RELEASED TOP PLUG AT A.M. P.M.

PRESSURE JUST BEFORE PLUG HITS P.S.I.

MAXIMUM PRESSURE P.S.I.

PLUG CHASED WITH H₂O AND BUMPED AT A.M. P.M.

STROKE LENGTH WHILE CEMENTING FT.

WAS THERE ANY DIFFERENCE IN PUMP PRESSURE ON

UPSTROKE AND DOWNSTROKE? NONE P.S.I.

MUD RETURNS WHILE CEMENTING ☒ FULL ☐ PARTIAL☐ NONE EXPLAIN IN REMARKS.

RECIPROCATATION STOPPED AT A.M. P.M.

REMARKS:

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 8PROVIDENCE ^{10E} LSD. 15 SEC. 61 TWN. 40 RGE. 117 W. 00 Contractor INSPIRATION Type Rig BOYLES #2 Month FEB Day 4 1968

1st Tour From: 12:00 Midnight To: 8:00 a.m.												2nd Tour From: 8:00 a.m. To: 4:00 p.m.												3rd Tour From: 4:00 p.m. To: 12:00 p.m.																			
DEPTH		From	To	Hole Made	Hole Size	Formation		From		To	Hole Made	Hole Size	Formation		From		To	Hole Made	Hole Size	Formation																							
		85	164	29	6 1/4			114																																			
DRILLING STRING		Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.																		
		H ROD																																									
DRILL		Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL		DRILL		Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL		DRILL		Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL																					
COLLAR		DRILLING STRING						COLLAR		DRILLING STRING						COLLAR		DRILLING STRING						COLLAR		DRILLING STRING																	
DATA								DATA								DATA								DATA																			
BIT RECORD		No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE		No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE		No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE																
									Drilled	Reamed									Drilled	Reamed								Drilled	Reamed														
		Bit Serial No.						Table R.P.M.		Bit Serial No.						Table R.P.M.		Bit Serial No.						Table R.P.M.		Bit Serial No.						Table R.P.M.											
		Jet or Conventional -						Nozzle Size		Jet or Conventional -						Nozzle Size		Jet or Conventional -						Nozzle Size		Jet or Conventional -						Nozzle Size											
SURVEYS		Kind	at		Ft.		Deg. off		Kind	at		Ft.		Deg. off		Kind	at		Ft.		Deg. off		Kind	at		Ft.		Deg. off															
HOURS		On Line		Circulating		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURS		On Line		Circulating		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURS		On Line		Circulating		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size														
No. 1										No. 1										No. 1																							
No. 2										No. 2										No. 2																							
MUD RECORD		Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS		Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS		Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS		Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS															
		KB TO GROUND 4.40																												RAN 5 JTS. N80 4 1/2 #8-6 # GRADE B 8 THD 11.6 # CASING 97.95' LANDED @ 102.35. KB PLUG DOWN @ 5.00 PM FEB 4													
CORING		From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.	From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.	From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.	From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.	From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.												
DETAIL OF OPERATIONS AND REMARKS				From	To	Hrs.					From	To	Hrs.									From	To	Hrs.																			
		DRILLING		12-	730	7 1/2	CIRC TO RUN CASING		8-	9-	1	MIX CEMENT		4-																													
		CIRC.		730	8-	1/2	PULL OUT LAY		9			4 DISPLACE																															
							DOWN H ROD			11-		2	WOC																														
							RUN CASING			11-		2-	3																														
							CIRC & RIG TO			2																																	
							CEMENT			4-		2																															
Driller.....		Driller.....														Driller.....																											

HEADING UP & DRG. OUT: TOTCO: CONDITIONING MUD: CASING: LOGGING: RIG MAINTENANCE: REAMING CLEANING: MNFR. DRILLING LINE IN USE REEL SERIAL No. DID YOU CHECK BLOWOUT PREVENTER EQUIPMENT TODAY

DRILLING: FISHING: TRIPPING: W.O.C. W. O. ORDERS: MISCELLANEOUS: WORKING PIPE: MNFR. OF KELLY HOSE IN USE HOSE SERIAL No. YES NO

REAMING: CIRCULATING: CORING: D.S. TESTING: RIG REPAIRS: CONDITION HOLE: LOST CIRC.:

Total Contract Timehrs.

Total Company Timehrs.

Toolpusher

Approved by

John A. McBeth

John A. McYett

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 6

105 PROVIDENCE LSD. 15 SEC. 61 TWN. 40 RGE. 117 W. 00. Contractor INSPIRATION Type Rig BOYLES #2 Month FEB 2 Day 2 1968

1st Tour From: 12:00 Midnight To: 8:00 a.m.										2nd Tour From: 8:00 a.m. To: 4:00 p.m.										3rd Tour From: 4:00 p.m. To: 12:00 p.m.									
DEPTH		From	To	Hole Made	Hole Size	Formation				From		To	Hole Made	Hole Size	Formation				From		To	Hole Made	Hole Size	Formation					
81																													
DRILLING STRING		Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.			Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.			Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.						
DRILL		Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL				DRILL		Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL				DRILL		Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL			
COLLAR						DRILLING STRING				DRILL COLLARS				COLLAR						DRILLING STRING				DRILL COLLARS					
DATA										DATA										DATA									
BIT RECORD		No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE		No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE		No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE		
Bit Serial No.						Table R.P.M.				Bit Serial No.						Table R.P.M.				Bit Serial No.						Table R.P.M.			
Jet or Conventional -						Nozzle Size				Jet or Conventional -						Nozzle Size				Jet or Conventional -						Nozzle Size			
SURVEYS		Kind	at	Ft.	Deg. off				Kind		at	Ft.	Deg. off				Kind		at	Ft.	Deg. off								
HOURS		On Line	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURS		On Line	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURS		On Line	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size						
MUD RECORD		Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS				Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS				Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS				
CORING		From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.	From		To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.	From		To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.								
DETAIL OF OPERATIONS AND REMARKS						From	To	Hrs.					From	To	Hrs.					From	To	Hrs.							
RUN IN WITH BIT		12-				RUN IN				8-				PULL OUT				4-											
FISH @ 67'						SURVEYS @ 50' & 72'								GRIND VALVES ON				12-											
RUN TAP (H ROD TAP)						3/4"								WISCONSIN MOTOR															
RECOVERED FISH		8-				CLEAN TO BOTTOM				4-																			
Driller.....						Driller.....								Driller.....															

HEADING UP & DRG. OUT:
DRILLING:
REAMING:

CLASSES OF TIME BREAKDOWN

TOTCO:
FISHING:
CIRCULATING:

CONDITIONING MUD:
TRIPPING:
CORING:

CASING:
W.O.C.
D.S. TESTING:

LOGGING:
W. O. ORDERS:
RIG REPAIRS:

RIG MAINTENANCE:
MISCELLANEOUS:
CONDITION HOLE:

REAMING CLEANING:
WORKING PIPE:
LOST CIRC:

MNFR. DRILLING LINE IN USE
MNFR. OF KELLY HOSE IN USE

REEL SERIAL No.
HOSE SERIAL No.

YES NO

DID YOU CHECK BLOWOUT
PREVENTER EQUIPMENT TODAY

Total Contract Timehrs.

Total Company Timehrs.

Toolpusher

P. Hays

Approved by

John A. McFadden

100

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 4

PROD. ID. ENCLSD. 1-15 SEC. 61 TWN. 40 RGE. 117 W. 00 Contractor INSPIRATION Type Rig BOLLIE S. 2 Month JAN Day 31 1968

1st Tour From: 12:00 Midnight To: 8:00 a.m.

2nd Tour From: 8:00 a.m. To: 4:00 p.m.

3rd Tour From: 4:00 p.m. To: 12:00 p.m.

DEPTH	1st Tour From: 12:00 Midnight To: 8:00 a.m.					2nd Tour From: 8:00 a.m. To: 4:00 p.m.					3rd Tour From: 4:00 p.m. To: 12:00 p.m.																	
	From	To	Hole Made	Hole Size	Formation	From	To	Hole Made	Hole Size	Formation	From	To	Hole Made	Hole Size	Formation													
96	-	-	-	6 1/4		96	-	-	6 1/4																			
DRILLING STRING	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.										
	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL										
	COLLAR	2	3 1/2		30'	DRILLING STRING	DRILL COLLARS	COLLAR				DRILLING STRING	DRILL COLLARS	COLLAR				DRILLING STRING	DRILL COLLARS									
	DATA						DATA							DATA														
BIT RECORD	No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE	No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE	No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE				
	2	H	2 PM						2	H	2 PM																	
	Bit Serial No.	Table R.P.M.				Bit Serial No.	Table R.P.M.				Bit Serial No.	Table R.P.M.																
	Jet or Conventional -	Nozzle Size				Jet or Conventional -	Nozzle Size				Jet or Conventional -	Nozzle Size																
SURVEYS	Kind	at	Ft.	Deg. off	Kind	at	Ft.	Deg. off	Kind	at	Ft.	Deg. off	Kind	at	Ft.	Deg. off	Kind	at	Ft.	Deg. off	Kind	at	Ft.	Deg. off				
	HOURS	On Line	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURS	On Line	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURS	On Line	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURS	On Line	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
	No. 1							No. 1							No. 1							No. 1						
	No. 2							No. 2							No. 2							No. 2						
MUD RECORD	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS				
CORING	From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.	From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.	From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.										
DETAIL OF OPERATIONS AND REMARKS	From	To	Hrs.	From	To	Hrs.	From	To	Hrs.																			
	12	8	8	8	4	8																						

Driller. Lepore

Driller. Farrell

Driller. Farrell & Lepore

 HEADING UP & DRLG. OUT: TOTCO: CONDITIONING MUD: CASING: LOGGING: RIG MAINTENANCE: REAMING CLEANING: MNFR. DRILLING LINE IN USE REEL SERIAL No. DID YOU CHECK BLOWOUT PREVENTER EQUIPMENT TODAY
 DRILLING: FISHING: TRIPPING: W.O.C. W. O. ORDERS: MISCELLANEOUS: WORKING PIPE: MNFR. OF KELLY HOSE IN USE HOSE SERIAL No. YES NO
 REAMING: CIRCULATING: CORING: D.S. TESTING: RIG REPAIRS: CONDITION HOLE: LOST CIRC.:

Total Contract Time hrs.

Total Company Time hrs.

Toolpusher

B. Page

Approved by

John A. McButt

IMPERIAL OIL LIMITED

PRODUCING DEPARTMENT — WESTERN REGION

PIPE TALLY SHEET

Location L-45-61-40-117-00Pipe Classification: Size 4 1/2 Wt. 11.6 Grade N.80 Threads 8 Date 6-30-68

No.	Footage		No.	Footage		No.	Footage		No.	Footage		No.	Footage	
	Foot	Tenths		Foot	Tenths		Foot	Tenths		Foot	Tenths		Foot	Tenths
							19	3"						
			21			41	18	11"	61			81		
			22			42	19	3"	62			82		
			23			43	19	8"	63			83		
			24			44	19	4"	64			84		
			25			45	94	29"	65			85		
			26			46	96	5"	66			86		
			27	SHOE		47	1	6"	67			87		
			28			48	97	11"	68			88		
			29			49			69			89		
			30			50			70			90		
Total 1-10	113	2	Total 21-30			Total 41-50			Total 61-70			Total 81-90		
11			31			51			71			91		
12			32			52			72			92		
13			33			53			73			93		
14			34			54			74			94		
15			35			55			75			95		
16			36			56			76			96		
17			37			57			77			97		
18			38			58			78			98		
19			39			59			79			99		
20			40			60			80			100		
Total 11-20			Total 31-40			Total 51-60			Total 71-80			Total 91-100		

Total 1-20 _____ Total 21-40 _____ Total 41-60 _____ Total 61-80 _____ Total 81-100 _____

Total 1-20 _____

Total 21-40 _____

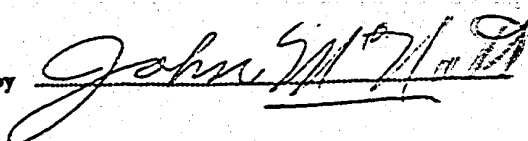
Total 41-60 _____

Total 61-80 _____

Total 81-100 _____

Grand Total 1-100 _____

Tallied by



Tally Checked by

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 3

PROVIDENCE LSD 44 SEC 61 TWN 40 RGE 117 W 00 Contractor INSPIRATION Type Rig Boyle S #2 Month JAN Day 30 1968

1st Tour From: 12:00 Midnight To: 8:00 a.m.

2nd Tour From: 8:00 a.m. To: 4:00 p.m.

3rd Tour From: 4:00 p.m. To: 12:00 p.m.

DEPTH	1st Tour From: 12:00 Midnight To: 8:00 a.m.					2nd Tour From: 8:00 a.m. To: 4:00 p.m.					3rd Tour From: 4:00 p.m. To: 12:00 p.m.																			
	From	To	Hole Made	Hole Size	Formation	From	To	Hole Made	Hole Size	Formation	From	To	Hole Made	Hole Size	Formation															
	42	80	38	6 1/4		80	96	16	6 1/4		96	96	-	6 1/4																
DRILLING STRING	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.												
	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL												
	COLLAR	2	3 1/2		30'	DRILLING STRING	DRILL COLLARS	COLLAR	2	3 1/2		30'	DRILLING STRING	DRILL COLLARS	COLLAR	2	3 1/2		30'	DRILLING STRING	DRILL COLLARS									
BIT RECORD	No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE	No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE	No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE						
	2	H.	2 PM						2	H.	3 PM							2	H.	2 PM										
	Bit Serial No.					Table R.P.M.	60	Bit Serial No.					Table R.P.M.	60	Bit Serial No.					Table R.P.M.										
SURVEYS	Jet or Conventional -	CONV.				Nozzle Size	Kind	at	Ft.	Deg. off	Jet or Conventional -	CONV.				Nozzle Size	Kind	at	Ft.	Deg. off	Jet or Conventional -					Nozzle Size	Kind	at	Ft.	Deg. off
	HOURS	On Line	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURS	On Line	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURS	On Line	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURS	On Line	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size		
	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS						
MUD RECORD							2 Sacks Gel.																							
CORING	From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.	From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.	From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.												
DETAIL OF OPERATIONS AND REMARKS	Drilling 8 hrs.						Drilling 2 hrs.						Finish off drill																	
	12 8 8						8 2 6						4																	
	12						8						12																	
Driller: L. L. L.						Driller: J. L. L.						Driller: J. L. L. & L. L. L.																		

HEADING UP & DRLG. OUT:
DRILLING:
REAMING:CLASSES OF TIME BREAKDOWN
TOTCO:
FISHING:
CIRCULATING:CONDITIONING MUD:
TRIPPING:
CORING:CASING:
W.O.C.
D.S. TESTING:LOGGING:
W. O. ORDERS:
RIG REPAIRS:RIG MAINTENANCE:
MISCELLANEOUS:
CONDITION HOLE:REAMING CLEANING:
WORKING PIPE:
LOST CIRC:

MNFR. DRILLING LINE IN USE

REEL SERIAL No.

MNFR. OF KELLY HOSE IN USE

HOSE SERIAL No.

DID YOU CHECK BLOWOUT
PREVENTER EQUIPMENT TODAY

YES NO

Total Contract Time hrs.

Total Company Time hrs.

Toolpusher

Approved by

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 2PROVIDENCE LSD-45 SEC. 61 TWN. 40 RGE. 117-W-00. Contractor INSPIRATION LTD. Type Rig Paul R #2 Month Jan-29 Day 1968

1st Tour From: 12:00 Midnight To: 8:00 a.m.												2nd Tour From: 8:00 a.m. To: 4:00 p.m.												3rd Tour From: 4:00 p.m. To: 12:00 p.m.																														
DEPTH		From	To	Hole Made	Hole Size	Formation						DEPTH		From	To	Hole Made	Hole Size	Formation						DEPTH		From	To	Hole Made	Hole Size	Formation																								
		38	38	0	6 1/4									38	42	4	6 1/4									42	42	0	6 1/4																									
		Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.		Core Bbl. Ft.						Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.		Core Bbl. Ft.						Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.		Core Bbl. Ft.																						
DRILLING STRING	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL						DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL						DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL																										
	COLLAR						DRILLING STRING		DRILL COLLARS							COLLAR						DRILLING STRING		DRILL COLLARS							COLLAR						DRILLING STRING		DRILL COLLARS															
	DATA																DATA																DATA																					
BIT RECORD	No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE				No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE				No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE																								
								Drilled	Reamed											Drilled	Reamed												Drilled	Reamed																				
	1	H	5		5			38							2	H	2 PM																																					
Bit Serial No.						Table R.P.M.						Bit Serial No.						Table R.P.M.						Bit Serial No.						Table R.P.M.																								
Jet or Conventional -						Nozzle Size						Jet or Conventional -						Nozzle Size						Jet or Conventional -						Nozzle Size																								
SURVEYS	Kind	at				Ft.				Deg. off				Kind	at				Ft.				Deg. off				Kind	at				Ft.				Deg. off																		
	HOURS				Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURS				Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURS				Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURS				Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size																						
	On Line	Circulating							On Line	Circulating							On Line	Circulating																																				
MUD RECORD	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS						Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS						Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS																										
																	2 Haeogel.																																					
CORING	From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.	From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.	From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.																																				
DETAIL OF OPERATIONS AND REMARKS	From						To						Hrs.						From						To						Hrs.						From						To						Hrs.					
	Flaming out						12						8						mixed mud						8						washing on pump						12																	
	broken down																		run in hole						2						6						shaving out equipment						12											
Driller: <u>L. L. L.</u>						Driller: <u>F. L. L.</u>						Driller: <u>F. L. L.</u>						Driller: <u>F. L. L.</u>						Driller: <u>F. L. L.</u>						Driller: <u>F. L. L.</u>						Driller: <u>F. L. L.</u>																		

HEADING UP & DRG. OUT:
DRILLING:
REAMING:CLASSES OF TIME BREAKDOWN
TOTCOJ
FISHING:
CIRCULATING:CONDITIONING MUD:
TRIPPING:
CORING:CASING:
W.O.C.
D.S. TESTING:LOGGING:
W. O. ORDERS:
RIG REPAIRS:RIG MAINTENANCE:
MISCELLANEOUS:
CONDITION HOLE:REAMING CLEANING:
WORKING PIPE:
LOST CIRC.:

MNFR. DRILLING LINE IN USE

REEL SERIAL No.

MNFR. OF KELLY HOSE IN USE

HOSE SERIAL No.

DID YOU CHECK BLOWOUT
PREVENTER EQUIPMENT TODAY

YES NO

Total Contract Timehrs.

Total Company Timehrs.

Toolpusher

Approved by

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 1

I.O.F. 2201-105 LSD. 4-45 SEC. 61 EWN 40 RGP 117 W 00 Contractor INDIAN OIL Type Rig _____ Month JAN. Day 28 1968

1st Tour From: 12:00 Midnight To: 8:00 a.m.															2nd Tour From: 8:00 a.m. To: 4:00 p.m.															3rd Tour From: 4:00 p.m. To: 12:00 p.m.																									
DEPTH		From	To	Hole Made	Hole Size	Formation										DEPTH		From	To	Hole Made	Hole Size	Formation										DEPTH		From	To	Hole Made	Hole Size	Formation																	
DRILLING STRING		Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.									Size-D.P.		Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.									Size-D.P.		Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.																		
DRILL		Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL										DRILL		Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL										DRILL		Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL																	
COLLAR						DRILLING STRING										COLLAR						DRILLING STRING										COLLAR						DRILLING STRING																	
DATA																DATA																DATA																							
BIT RECORD		No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE							No.		Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE							No.		Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE																
		Bit Serial No.										Table R.P.M.							Bit Serial No.										Table R.P.M.							Bit Serial No.										Table R.P.M.									
		Jet or Conventional -										Nozzle Size							Jet or Conventional -										Nozzle Size							Jet or Conventional -										Nozzle Size									
SURVEYS		Kind	at	Ft.	Deg. off										Kind		at	Ft.	Deg. off										Kind		at	Ft.	Deg. off																						
HOURS		On Line		Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size								HOURS		On Line		Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size								HOURS		On Line		Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size															
MUD RECORD		Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS										Time		Visc.	Wt.	W L	pH	ADDITIVES — POUNDS										Time		Visc.	Wt.	W L	pH	ADDITIVES — POUNDS																
CORING		From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.									From		To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.									From		To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.																		
DETAIL OF OPERATIONS AND REMARKS												From					To	Hrs.											From					To	Hrs.											From					To	Hrs.			