IOE PROVIDENCE A-47

Drilling Authority No. 290
Date Issued 8-1-68

WELL NAME ...102 Providence A 47.....
FIELD Area: .....
LOCATION: Unit A Section 47 Grid 61-30-117-15
Latitude 61-26-14.34 Longitude 117-22-30.76
From Established Reference Marker .....

UWLR Lat. 61.43731 N - Long 117.37576W
UWI 300A476130117150

Rig Release Date: 22-9-68
Status D+A
Information Release Date

CHANGE OF NAME:

DATE RECEIVED	INDEX
8-1-68	Application for a Drilling Authority.
Sept 15/68	Well Completion Data.
	Well History Report.
11-3-68	Application to Amend a Drilling Authority.
	Application to change a Well Name.
	Application to Abandon a Well or Suspend Drilling.
	Application to Alter Condition of a Well.
	Well History Supplement.
	Well Completion Data.
	Work-over Report No. .....
	Application to Commingle Production before Measurement.
	Data for Back Pressure Test on Natural Gas Wells — Monograph 7 Method.
	Data for Back Pressure Test on Natural Gas Wells — Vitter's Method.
	M.P.R. — Oil — Calculations.
	New Oil Well Report.
	New Gas Well Report.
	Well Inspection Report.
	Rig Inspection Report.
	Battery Inspection Report.
	Equipment Report.
	Well Card.
	New Service Well Report.
	Monthly Water Flood Operations Report
	Monthly Water Receipts and Disposal of Fluids Report
	Logs. Large scale ..... Small scale .....

NANR 52-90 (7-65)

Drilling Authority No. 290
Date Issued January 9, 1968

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
RESOURCE MANAGEMENT DIVISION

WELL COMPLETION DATA

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

Well name and number IOE Providence A-47-61-30-117-15

Permit No. 4560 Lease No.

Imperial Oil Enterprises Ltd. (Permittee, Licensee, Lessee) Exploratory Licence No. 1045

Imperial Oil Enterprises Ltd. (Operator) Exploratory Licence No. 1045

Location: Unit A Section 47 Grid 61 30 117 15

Latitude 61° 26' 14.34" N. Longitude 117° 22' 32.73" W.

From Established Reference Marker Baseline at Providence

Universal Well Location Reference 61.43731° N. 117.37576° W.

	DATE	DEPTH
Spudded	Mar 11/68	
Suspended		
Resumed Operations		
Finished Drilling	Mar 20/68	1655
Deepened		
Complete (gas/oil)		
Abandoned		
Rig released	Mar 22/68	1655

Pool(s)

Interval(s) open to production

Elevation: Gr. 530 K.B. 539

Rig No. 17

Drilling Contractor Big Indian

Contractor's Business Licence No. 18213

CASING RECORD

Casing Size (inches)	Grade	Weight	Amount	Set at –	Sacks of Cement and Additives
1. ?	J55	26#	223.29	232.69	100 + 2% $CaCl_2$
2. 2-3/8	J55	4.7#	1643.69	1653.39	350
3.					
4.					
5.					
6.					

GEOLOGICAL TOPS	ELEVATION	
	Depths	Sub-Sea
Keg River	1102	-563
Chinchaga	1288	-749
Precambrian	1638	-1099

CORE RECORD

From	To	Rec.	From	To	Rec.
NO CORES CUT.					

LOG RECORD

Run No.	Type of Log	From	To
1	IE	233	1654
1	BHCS GR C	233	1654
1	Velocity Survey		

IAND 52-90(2) (8-67)

CEMENTING RECORD (Plug, Squeeze, etc.)				PERFORATING RECORD (Bullet, Jet)				SERVICING RECORD (Acidizing, Fracing, etc.)			
Date	From	To	Remarks	Date	From	To	Remarks	Date	From	To	Remarks

NOTE:
2 3/8"EUE tubing run and cemented to Total Depth to Surface.
Tubing filled with diesel oil. Turned well over to
the Seismology Division of the Department of Energy, Mines
and Resources as a geothermal observation well.

DRILL STEM TESTS

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

ANALYSIS

Lab. No.	Sample	From	To	Source	Remarks

PRESENT STATUS OF WELL

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

Company Imperial Oil Enterprises Ltd.

Signed by [signature]

Title Manager, NWT Exploration District

Date April 15th, 1968

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

File No.

Drilling Authority No. 290

CANADA

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. 290, concerning

IOE Providence E-47 61-30-117-15
(Name and Number of Well)

The following amendments are required:

1. Well name should be IOE Providence A47-61-30-117-15

to Latitude 61° 26' 14.34" Longitude 117° 22' 32.73" from: Lat. 61° 26' 19" Long. 117° 22' 42"

2. Surface casing to be set:

7" 26# J 55 New 225 to surface

3. Rig changed to No. 17, Big Indian Drilling

Business License 18213

Reasons for the amendments:

1. Final Survey Completed - Plan Attached

Dated at Edmonton, this 11th day of March, 19 68

Signed by [illegible] A. J. 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: Lat. 61.43731° N. Long. 117.37576° W.

UNIQUE WELL IDENTIFIER: 300A476130117150

Date 13th March, 19 68

Oil Conservation Engineer

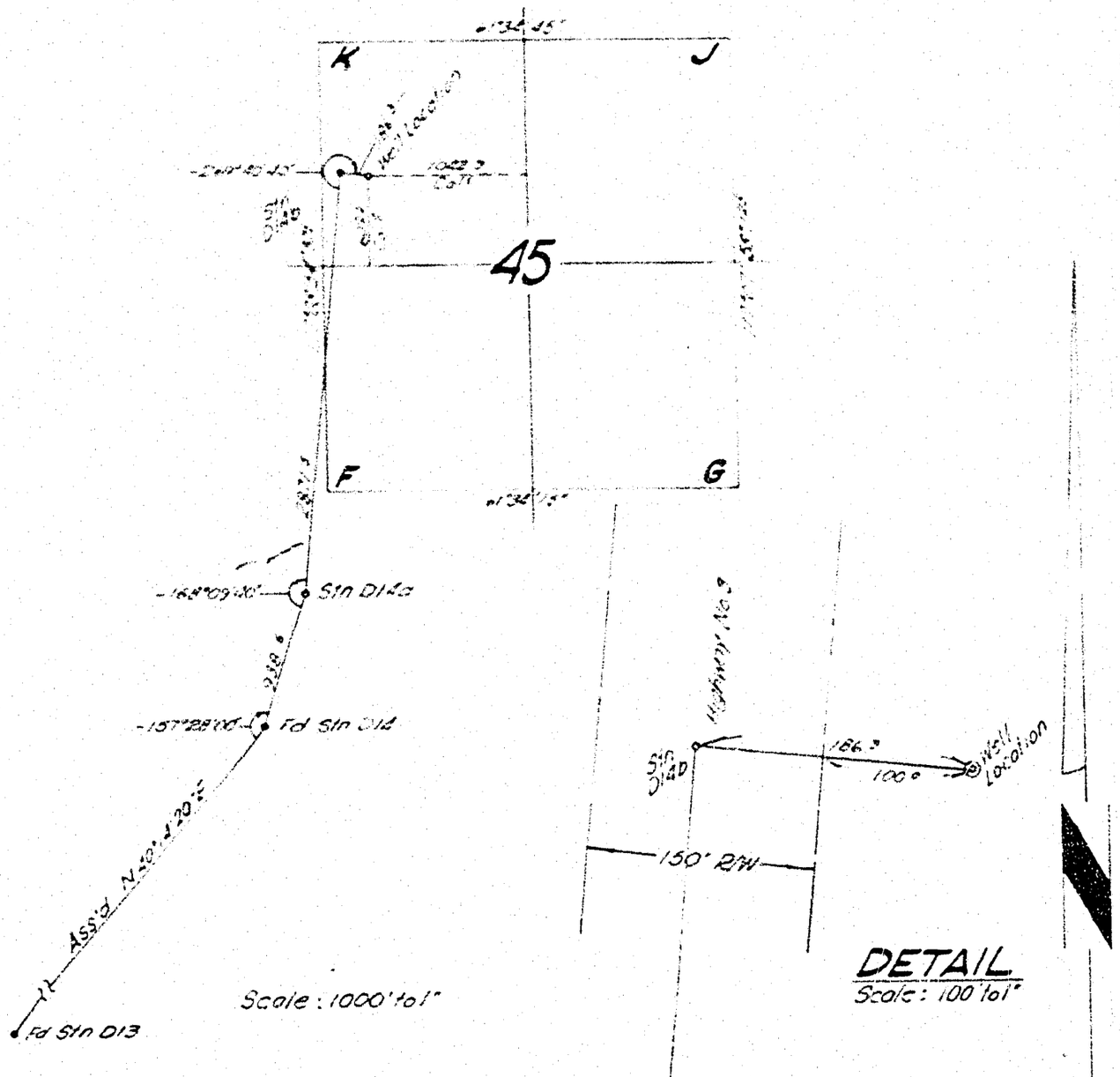
Forms to be submitted to the Oil Conservation Engineer,
Department of Indian Affairs and Northern Development, Calgary, Alberta.

IAND 52-90-3 (3-67)

IOE PROVIDENCE
K45 61-40, 117-00

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

NORTHWEST TERRITORIES



CO-ORDINATE TABLE

U.T.M. Values: Scale Factor 0.9999: Ref. Mer. 117°00'

Station	Bearing	Distance	North	East
D14			22,400,718.8	- 26,314.4
	N.17°42'20" E.	938.5		
D14a			22,401,612.8	- 26,029.2
	N.05°52'00" E.	2871.1		
D14D			22,404,468.9	- 25,735.1
	S.84°27'20" E	186.3		
Well Loc			22,404,450.9	- 25,550.3

Survey Completed Jan. 12, 1968.
Certified Correct.

Alberta Land Surveyor

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

IMPERIAL OIL ENTERPRISES LTD.

A. L. Laberge

A. Dumoch

Prepared by:
MIDWEST SURVEYS CO LTD.

C33-68(1)

1 S E 1 P

Drilling Authority No. 290

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: **IOE Providence E-47-61-30-117-15**

Location: Unit **E** Section **47** Grid **61°30' 117°15'**

Latitude **61°26'19"** Longitude **117°22'42"**

From Established Reference Marker **Seismic control**

Universal Well Location Reference **Lat.61.43860° N., Long. 117.37834° W.**

Elevation: Ground **535** K.B. feet above sea-level.

Well is expected to produce from **Stratigraphic test** formation at a depth

of about feet. Expected total final depth **1685**

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

Permit No. **4560** Lease No. Acreage **32,636**

Permittee, licensee, or lessee **Imperial Oil Enterprises Ltd.**

Exploratory Licence No. **1045**

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

Petroleum and natural-gas rights owned by **Crown**

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

	Casing Size O.D. (Inches)	Weight (Lb./Ft.)	Grade	New or Used	Estimated Depth	Sacks of Cement
1.	4½	9.5	J-55	New	120	To surface
2.						
3.						
4.						
5.						

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

Inspiration Ltd.

Well will be drilled with Rotary Rig No. **E** by **Boyles Diamond Drilling Co.**
(Drilling Contractor or company)
10210 - 111th Street, Edmonton, Alberta.

Responsible agent of applicant:— Contractor's business Licence No. **1006**

At well **A. L. LaBerge** At registered office **D. D. Lougheed**

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 **Production Manager** Company **Imperial Oil Enterprises Ltd.**

Title Operator's Licence No. **1045**

(For Resource Management Division use only)

APPROVED

This application has been examined and approved subject to the following conditions:—
The Company will submit to this office, on Tuesday of each week, the latest reports received by radio on the progress of the well.

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.

IAND 52-90-1 (3-67)

Unique Well Identifier - 300E476130117150

2. 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 completions and plugging of the well, to a condition as nearly as possible to that existing before drilling operations were begun.

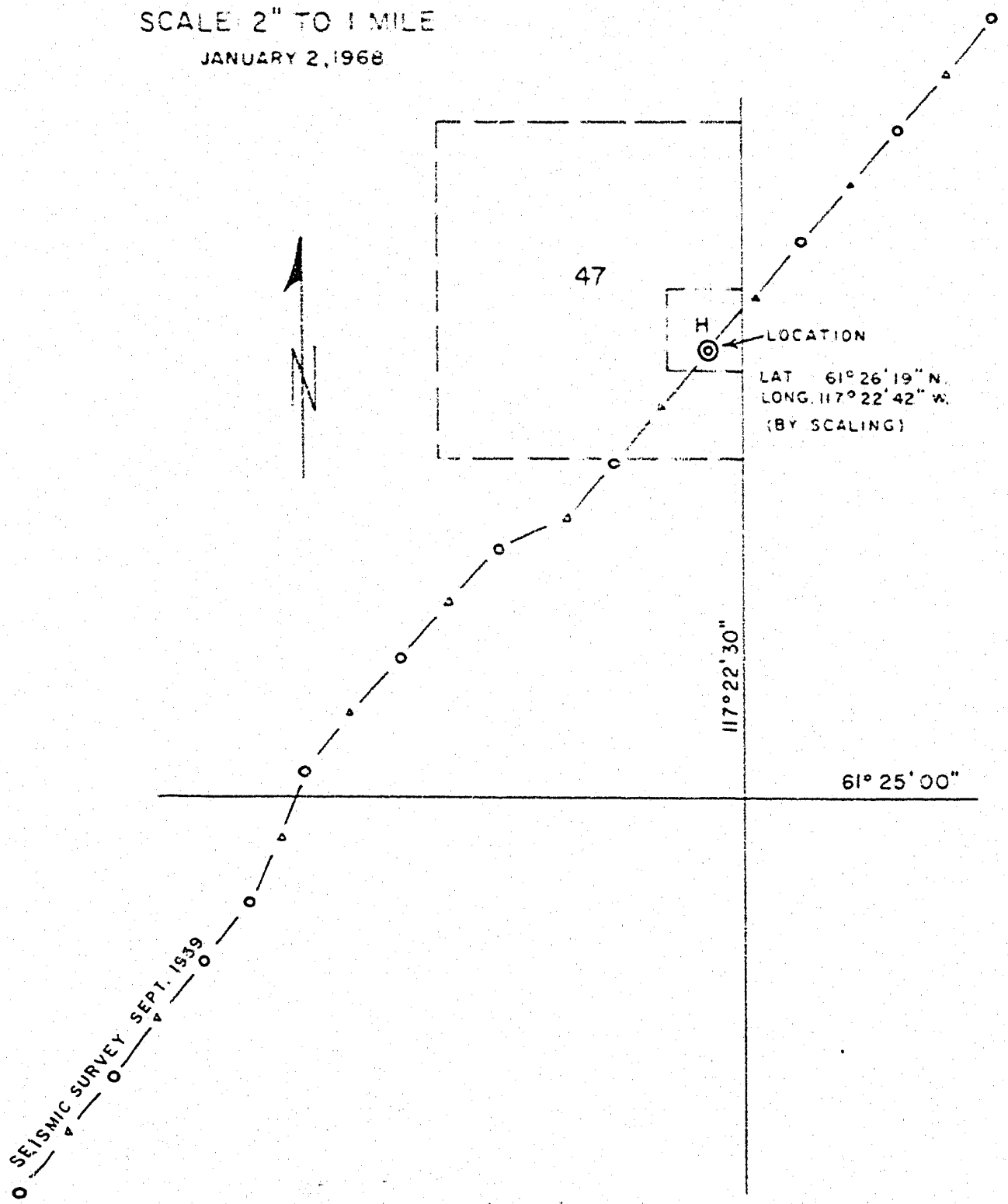
IMPERIAL OIL ENTERPRISES LTD.

WELLSITE LOCATION SKETCH

IOE Providence H-47-61-30-117-15

SCALE: 2" TO 1 MILE

JANUARY 2, 1968



SURVEY SUPERVISOR

b) Put 10 bags of cement over the top of the casing, as shown in the photograph.

I trust these procedures meet with your approval.

Yours truly,

Trevor Lewis,
Seismology Division.

Encl:

TL/hm

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(e) Back Pressure and Production Tests

Company: Imperial Oil Enterprises Ltd.

Signed by: Peter Stauffer

Title: Manager N.W.T. Exploration District

Date: April 22/68

SUMMARY OF WELL DATA

Section I

(a) Well Name and Number - IOE Providence A-47-61-30-117-15

(b) Permittee - Imperial Oil Enterprises Ltd.

(c) Operator - Imperial Oil Enterprises Ltd.
11160 Jasper Avenue
Edmonton, Alberta

(d) Location - 61°30' 117°15', Unit A, Section 47
Latitude - 61° 26' 14.34" N.
Longitude - 117° 22' 32.73" W.

(e) Co-ordinates - not applicable

(f) Permit Number - 4560

(g) Drilling Contractor - Big Indian #17

(h) Drilling Authority - 290 January 9, 1968

(i) Classification - Stratigraphic Test

(j) Elevations - Gr. 530' K.B. 539'

(k) Spud - March 11th, 1968

(l) Completed Drilling - March 20th, 1968

(m) Total Depth - 1655'

(n) Status - Temperature Observation Well for Department of Energy Mines & Resources

(o) Rig Release - March 22nd, 1968

(p) Hole Size - Surface to 238' - 9-7/8"
- 238' to 1655' - 6-1/4"

(q) Casing - Ran 11 joints 223.29' J55 7" 26# ST&C. Range 1 - Mannessman used casing, cemented with 100 sacks plus 2% $CaCl_2$ and landed at 232.69

Ran 51 joints 2-3/8" EVE 4.7#. Range 2 production tubing cemented with 350 sacks and landed at 1653.39.

(r) Universal Well Location Reference - Lat. 61.43731° N.
Long. 117.37576° W.

(s) Unique Well Identifier - 300A476130117150

GEOLOGICAL SUMMARY

Section II

(a) Formation Tops:

Formation	Sample	Log	Sub-Sea
Keg River		1102	-563
Chinchaga	1270	1288	-749
Precambrian		1636	-1099

(b) Cored Intervals - no cores cut.

(c) Core Description - no cores cut.

(d) Sample Description

AUTHOR [illegible] DATE 14 March 68 FORM

DEPTH	QUALITY		ROCK NAME	COLOR (☒ WET / ☐ DRY)	REMARKS: SEDIMENTARY STRUCTURES, DIAGENESIS, ENVIRONMENT, FRACTURES, ETC.	POROSITY: TYPE	POROSITY: %	POROSITY: NET FT.	STAIN: TYPE	STAIN: AMT.	COMPONENT	.01
0-80			Gravel		Unconsolidated material consisting of [illegible] and boulders of [illegible] Granite, [illegible] with some [illegible] and quartzite fragments.							
110-			shale	[illegible]	light green [illegible] [illegible] calcareous shale & silt						shale	9[illegible]
											[illegible]	1[illegible]
240		[illegible]	Grn Shale	[illegible]	Shale, slightly calcareous and [illegible] [illegible] with [illegible] of light grey siltstone						shale	9[illegible]
											[illegible]	1[illegible]
											silt	
		1[illegible]	Siltstone	[illegible]								
250		9[illegible]	Grn Shale		as above but [illegible] of light buff [illegible] [illegible]							
270		90	Grn Shale		as in 250-260.							
		10	Siltstone		trace of pyrite [illegible]							
350		[illegible]	Grn Shale		as above but many carbonaceous flecks in the shale.						[illegible]	
											Brown shale	
350-0		50	Green Sh		[illegible] green shale becomes interbedded with [illegible] brown shale with abundant wood fragments and [illegible]						[illegible]	
		50	Brn shale									

AUTHOR ______ DATE ______ FORM ______

DEPTH [redacted]	QUALITY		ROCK NAME	☐ WET COLOR ☐ DRY	REMARKS SEDIMENTARY STRUCTURES, DIAGENESIS, ENVIRONMENT, FRACTURES, ETC.	POROSITY TYPE	POROSITY %	POROSITY NET FT.	STAIN TYPE	STAIN AMT.	COMPONENT	
[illegible]												
35.0	[illegible]		[illegible]	[illegible]	fine grained argillaceous [illegible] light brown gray color						micrite argillaceous [illegible]	
38.0 40.0			silty calcareous shale	reddish light	interbedded thin bedded green and gray shale [illegible] dolomitic, calcareous flecks [illegible]							
40.0 41.0			brown micaceous calcareous shale	red br	brown thin bedded calcareous shale							
41.0 [illegible]		[illegible]	sh		interbedded light green shales and white chalky limestone						shale micrite	
		20	Ls									
45.0 [illegible]		30	shale		interbedded lt green and green shale [illegible] to light gray shale							
[illegible] 60		50	lt green sh		interbedded light green sh and alternating micaceous light brown shale with calcareous material						sh - micrite shale	
		50	brown gray sh									
70		20	lt green sh									
75.0 [illegible]		70	br silt									
		30	lt gr sh									
77.0		10	lt buff Ls		thin beds of white chalky limestone						Ls	
[redacted]		90	lt gr sh		shales and [illegible]							
80.0 [illegible]		[illegible]	lt green sh		[illegible]							

AUTHOR ______ DATE ______ FORM ______

DEPTH [redacted]	QUALITY		ROCK NAME	☐ WET COLOR ☐ DRY	REMARKS SEDIMENTARY STRUCTURES, DIAGENESIS, ENVIRONMENT, FRACTURES, ETC.	POROSITY TYPE	POROSITY %	NET FT.	STAIN TYPE	STAIN AMT.	COMPONENT	.CT
[illegible]			lt grn sh		interbedded light green							
[illegible]			lt brn shl		calcareous shale with brn							
					calcareous and micaceous							
					shale							
[illegible]			lt gry sh		[illegible]							
[illegible]			brn shale									
			lt gry shl									
[illegible]			[illegible]									
[illegible]			lt gry shale									
[illegible]			gry lms		silty argillaceous light						micrite	
[illegible]					gray lms.						silt	
											arg mat	
[illegible]												
[illegible]			lt grn sh		interbedded light							
			lt brn shale		green and brown micaceous							
					shale							
[illegible]			lt gray arg lms		thin bedded light gray							
					micaceous lms argillaceous							
					with some shale streaks							
[illegible]												
[illegible]			lt gray calcareous shale		light gray micaceous							
					calcareous shale							
[illegible]			lt brn shale		light brown micaceous							
					micaceous and slightly							
[illegible]					silty calcareous							
[redacted]												
[illegible]			dark brown shale		micaceous calcareous							
					brown shale							

AUTHOR ______________ DATE ______________ FORM ______________

DEPTH [redacted]	QUALITY		ROCK NAME	☐ WET COLOR ☐ DRY	REMARKS SEDIMENTARY STRUCTURES, DIAGENESIS, ENVIRONMENT, FRACTURES, ETC.	POROSITY TYPE	%	NET FT.	STAIN TYPE	AMT.	COMPONENT
980			dark brown shale	[illegible]	dark brown, slightly silty, [illegible] shale non calcareous to slightly calcareous.						shale silt
[illegible] 990			dk br shale	[illegible]	dark brown, slightly silty and calcareous						shale silt trace
1000 1020		[illegible]	[illegible] shale		dark brown [illegible] argillaceous limestone [illegible]						[illegible]
			shale dk brn		[illegible]						shale
1040		[illegible]	mudstone [illegible] l's		[illegible] brown mudstone [illegible] l's and dark brown argillaceous l's [illegible]						mudstone [illegible]
		[illegible]	[illegible]		[illegible] l's						[illegible]
1070		[illegible]	mudstone [illegible] l's	[illegible]							[illegible]
1090		30	mudstone [illegible] l's	[illegible]	[illegible]						[illegible] mudstone
		30	arg l's	[illegible]	[illegible] arg mudstone l's						arg [illegible]
1100		20	mudstone [illegible] l's.		conspicuous [illegible], [illegible]						
30		70	arg l's.								
[redacted]		70	mudstone [illegible]								mudstone shell
		30	arg l's.								

AUTHOR _______________ DATE _______________ FORM _______________

DEPTH	QUALITY		ROCK NAME	☐ WET COLOR ☐ DRY	REMARKS SEDIMENTARY STRUCTURES, DIAGENESIS, ENVIRONMENT, FRACTURES, ETC.	POROSITY TYPE	POROSITY %	POROSITY NET FT.	STAIN TYPE	STAIN AMT.	COMPONENT
[redacted]											
11[illegible]30		[illegible]	[illegible] l's	[illegible]	medium Brown dense crystalline l's, tight [illegible]						micritic ag nut
[illegible] 30		[illegible]	shale grey		a/a						
11[illegible]		[illegible]	Micrite l's		Dense tight [illegible] [illegible] [illegible] and skeletal material						micritic [illegible]
12[illegible]		[illegible]	Micrite, Pellet l's	[illegible]	tight [illegible] Pellet limestone, with [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] fractures [illegible] [illegible]						pellet, micritic ag nut
12[illegible]		[illegible]	Micrite Pellet l's		Pelleted Pellet l's as above with some micrite (buff Micrite l's)						as above; micrite
		[illegible]	Micrite l's								
12[illegible]30 – 12[illegible]		[illegible]	Micrite l's								Micrite
		[illegible]	Micrite Pellet l's								Pellet Micrite ag nut
12[illegible] – 12[illegible]60			shale grey								
12[illegible]60		[illegible]	Micrite Pel l's		as above trace of [illegible] in some of Pellet l's						as in 12[illegible] -30
		30	Micrite l's								
[illegible]		100	Micrite Pellet l's	[illegible]	same tight micrite pellet limestone as above						as above
[redacted]											
[illegible]		100	Dolomite		Dolomite medium Brown, [illegible], crystalline, Brown oil stained appearance						Dolomite

AUTHOR ______ DATE ______ FORM ______

DEPTH	QUALITY		ROCK NAME	COLOR (WET / DRY)	REMARKS (SEDIMENTARY STRUCTURES, DIAGENESIS, ENVIRONMENT, FRACTURES, ETC.)	POROSITY TYPE	POROSITY %	POROSITY NET FT.	STAIN TYPE	STAIN AMT.	COMPONENT	.01
[illegible]		50	Anhydrite	[illegible]	Microcrystalline [illegible] anhydrite [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] medium buff color	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	anhydrite	
		[illegible]	Dolomite								dolomite	
[illegible] 1530		30	Anhydrite		as above						anhydrite	
		50	Dolomite		Dolomite is buff [illegible] microcrystalline and tight. Dense						d.l	
[illegible]		[illegible]	Anhydrite		anhydrite as above. dolomite [illegible] buff color [illegible] anhydrite [illegible] tight						anhydrite	
		[illegible]	Dolomite								dolomite, anhydrite	
1560		[illegible]	Anhydrite		as above. trace of brown [illegible] [illegible] [illegible]						as above	
		[illegible]	Dolomite									
1570		50	Dolomite		mottled [illegible] buff [illegible] dolomite with [illegible] anhydrite						as above	
		25	Anhydrite									
1580		10	Anhydrite		dolomite [illegible] [illegible] anhydrite							
		10	Dolomite									
[illegible] 1590		[illegible]	anhydrite		interbedded [illegible] [illegible] dolomite							
		[illegible]	dolomitic shale		shales with anhydrite some [illegible]	[illegible]					dolomite [illegible]	

AUTHOR ______________________ DATE ______________________ FORM ______________________

DEPTH [redacted]	QUALITY		ROCK NAME	☐ WET COLOR ☐ DRY	REMARKS SEDIMENTARY STRUCTURES, DIAGENESIS, ENVIRONMENT, FRACTURES, ETC.	POROSITY TYPE	POROSITY %	POROSITY NET FT.	STAIN TYPE	STAIN AMT.	COMPONENT	
					[illegible]							
[illegible]		[illegible]	dolomite		[illegible]							
		[illegible]	anhydrite									
[illegible]		[illegible]	anhydrite		as above							
			dolomite									
[illegible]		[illegible]	anhydrite		[illegible]						anhydrite	
		[illegible]	shale	[illegible]	[illegible]						[illegible]	
[illegible]		[illegible]	anhydrite	[illegible]	[illegible] as above [illegible]						anhydrite	
		[illegible]	shale	[illegible]	shale						[illegible]	
[illegible]		[illegible]	anhydrite								anhydrite [illegible]	
[illegible]		[illegible]	anhydrite [illegible]	[illegible]	as above [illegible] dolomite anhydrite shale						[illegible]	
[redacted]												
15-50 [illegible]		[illegible]	anhydrite	[illegible]	same [illegible] anhydrite							

AUTHOR ____________ DATE ____________ FORM ____________

DEPTH	QUALITY		ROCK NAME	COLOR (WET / DRY)	REMARKS SEDIMENTARY STRUCTURES, DIAGENESIS, ENVIRONMENT, FRACTURES, ETC.	POROSITY TYPE	POROSITY %	POROSITY NET FT.	STAIN TYPE	STAIN AMT.	COMPONENT	.01
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]						[illegible]	
[illegible]					[illegible]						[illegible]	
					[illegible]							
		[illegible]	[illegible]	[illegible]							[illegible]	
10 -20		[illegible]	[illegible]									
					as above							
		[illegible]	[illegible]									
-30		[illegible]	[illegible]		[illegible]						[illegible]	
			[illegible]		[illegible]						[illegible]	
					[illegible]							
[illegible]		[illegible]	[illegible]		[illegible]						as above	
					[illegible]							
[illegible]		[illegible]	[illegible]		[illegible]							
					[illegible]							
		[illegible]	[illegible]									
1570		[illegible]	[illegible]		[illegible]						[illegible]	
					[illegible]						[illegible]	
		20	[illegible]								[illegible]	
											[illegible]	
1580		[illegible]	[illegible]		[illegible]							
					[illegible]							
					[illegible]							
[redacted]-90		100			[illegible]							
					[illegible]							
					[illegible]							
					[illegible]							
					[illegible]							

color.

AUTHOR ______________________ DATE ______________________ FORM ______

DEPTH	QUALITY		ROCK NAME	☐ WET COLOR ☐ DRY	REMARKS SEDIMENTARY STRUCTURES, DIAGENESIS, ENVIRONMENT, FRACTURES, ETC.	POROSITY TYPE	POROSITY %	POROSITY NET FT.	STAIN TYPE	STAIN AMT.	COMPONENT	.01
[illegible]			[illegible]	[illegible]	[illegible]							
					[illegible]							
					[illegible]							
					[illegible] !							
					TD 1055							

ENGINEERING SUMMARY

Section III

(a) Report of Drillstem Tests - no tests run.

(b) Casing Record -

Ran 11 joints, 223.29', J55, 7" 26# ST&C. Range 1 - Mannessman used casing, cemented with 100 sacks plus 2% CaCl2 and landed at 232.69.

Ran 51 joints, 2-3/8" EVE 4.7#. Range 2 production tubing cemented with 350 sacks and landed at 1653.59.

(c) Bit Record

Bit No.	Size	Type	Conventional or Jet	Hrs on Bottom	Footage Drilled	Depth Pulled
1A	9-7/8	YT3	Conventional	14-1/4	238	238
1	6-1/4	DT	Conventional	23-1/4	837	1075
2	6-1/4	DT	Conventional	15	173	1248
3	6-1/4	DG	Conventional	12-1/4	75	1323
4	6-1/4	K2P	Conventional	21-1/4	174	1497
5	6-1/4	V2	Conventional	19-1/4	158	1655

(d) Mud Report

Caustic	450#
Gel	5100#
Peltex	100#
CMC	150#
Kwickgel	10 sacks
Magogel	3 sacks
Spersene	50#

(e) Deviation Record

Totco at	30'	degress off	1/4
	100'	" "	1/8
	159'	" "	3/4
	238'	" "	1/2
	804'	" "	3/4
	1216'	" "	1
	1655'	" "	1

(f) Abandonment plugs - none run.

(g) Lost Circulation Zones

No lost circulation was encountered.

(h) Report of Blowouts

No blowouts were encountered.

LOGS

Section IV

Date Run	Type	Interval
March 20th, 1968	Induction-E	233 - 1654
March 20th, 1968	Borehole Compensated Sonic log with Gamma Ray & Caliper	233 - 1654
	VELOCITY SURVEY	

ANALYSIS

Section V

No analyses were taken on this well.

COMPLETION SUMMARY

Section VI

(a) Tubing Record

Ran 51 joints, 2-3/8" EVE 4.7# Range 2 production tubing cemented with 350 sacks and landed at 1653.39.

(b) Perforation Record - not perforated.

(c) Cementation Record - no squeeze or plug back jobs.

(d) Acidization and Fracturing Record - none.

(e) Back Pressure and Production Tests - none taken.

Indian and Northern Affairs / Affaires indiennes et du Nord

APPLICATION TO CHANGE A WELL NAME
DEMANDE DE MODIFICATION DU NOM D'UN PUITS

Northern Non-renewable Resources Branch – Direction des ressources non renouvelables du Nord

Drilling Authority No. / N° de l'autorisation de forage	Date Issued: / Date de délivrance:
290	

Application is made hereby to change the name of the well, recorded in the well Name Register as –

Nous demandons l'autorisation de modifier le nom d'un puits, inscrit au Répertoire des puits sous le nom de –

Old name – Ancien nom:

IOE Providence A-47

Proposed new name – Nouveau nom proposé:

TO: / À: Esso Providence A-47

WELL LOCATION – EMPLACEMENT DU PUITS

LOCATION: EMPLACEMENT:	Unit – Unité	Section	Grid – Étendue quadrillée
	A	47	61° 30' - 117° 15'
	Latitude: 61° 26' 14.34" N	Longitude: 117° 22' 32.73" W	

Unique Well Identifier – Code de l'ordinateur

300A476130117150

Universal Well Location Reference – Références universelles d'emplacement du puits

61.43731°N 117.37576°W

Reason for Changing Well Name – Motif de modification du nom du puits

To indicate that Esso Resources Canada Limited is now the operator of these wells

Date at / Daté à: CALGARY, ALBERTA this / ce second day of / jour de May 19 79

Signed by – Signé par	Title – Titre	Company – Société
D. McFarland	Reservoir Engineering Manager	Esso Resources Canada Limited

BRANCH USE ONLY – À L'USAGE DE LA DIRECTION

APPROVED – APPROUVÉ – This application has been examined and approved: / Demande étudiée et approuvée:

Date	District Conservation Engineer – Ingénieur en conservation du district
79-05-15	H. Whitehead

Form to be submitted in triplicate to the District Conservation Engineer, Indian and Northern Affairs – Affaires indiennes et du Nord.

Faire parvenir cette formule en trois exemplaires à l'Ingénieur en conservation, Affaires indiennes et du Nord.

IMPERIAL OIL LIMITED

EDMONTON PRODUCING DIVISION

FORM No. [illegible]

DATE MAR 22/68

PAGE No. ____

CASING—CEMENTING REPORT

REFERENCE TALL No. ____

NAME OF WELL 10F PROVIDENCE A 47 61°30 117 15

CONTRACT RIG RIG INDIAN 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. (GL)
	2 3/8	4.7	J55		STEC	1	6.00	
	2 3/8	4.7				1	10.00	
STAGING COLLAR							16 #629	
BACK-OFF COLLAR OR PACKER								
FLOAT COLLAR	2 3/8			BAKER			.40	
CASING	2 3/8						10.00	
SHOE	2 3/8			BAKER			1.00	
					TOTAL		1643.69	
					CALC. AMT. UP ON LAST JT.			
					ACTUAL AMT. UP ON LAST JT. LANDING JT		9.70	
					MAKE UP ALLOWANCE			
					CASING SET		1653.39	
					TOTAL DEPTH OF HOLE		1655.00	

HOLE SIZE 6 1/4 IN. FROM 0 TO 1655 FT.

HOLE SIZE ____ IN. FROM ____ TO ____ FT.

HOLE SIZE ____ IN. FROM ____ TO ____ FT.

K.B. TO TOP OF SURFACE CASING FLANGE 9.70 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 BAKER MANUFACTURER ____

ITEM	TYPE	MANUFACTURER	No.	SPACING FT.	INTERVAL COVERED FT. K.B. (GL)
SCRATCHERS					
CENTRALIZERS	BAKER		5	10' ABOVE SHOE &	
				EVERY 30'	

TYPE OF MUD

INITIAL MUD: WT. 8.9 LB./GAL. VISCOSITY 90 SEC.

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

CEMENTED BY HOWCO

CEMENT USED 350 SKS. GEL.: ____ % ____ SKS.

ADDITIVES ____ AMT. ____ 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 230 A.M. [illegible] P.M.

CIRCULATION BROKEN AT 245 A.M. [illegible] P.M.

PRESSURE REQUIRED TO BREAK CIRCULATION 0 P.S.I.

CIRCULATING PRESSURE AFTER CLEANUP 100 P.S.I.

STROKE LENGTH WHILE RECIPROCATING ____ FT. INITIALLY

____ FT. FINALLY

TIME STARTED MIX CEMENT 400 A.M. ____ P.M.

WAS BOTTOM PLUG USED NO?

RELEASED TOP PLUG AT 450 A.M. ____ P.M.

PRESSURE JUST BEFORE PLUG HITS 500 P.S.I.

MAXIMUM PRESSURE 1500 P.S.I.

PLUG CHASED WITH DIESEL AND BUMPED AT 5:20 A.M. ____ P.M.

STROKE LENGTH WHILE CEMENTING 10 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.

RECIPROCATION STOPPED AT 5.00 A.M. ____ P.M.

REMARKS: RETURNS

Form 47637-1 (2500-6-66-PPCo.)

Mar 22/68

IMPERIAL OIL LIMITED

PRODUCING DEPARTMENT — WESTERN REGION

PIPE TALLY SHEET

25
24

Location LOE PROVIDENCE A 47 61° 30' 117-15

Pipe Classification: Size 2 3/8 Wt. 4.7 Grade J55 Threads 8 Date MAR 22 1968

No.	Footage Feet	Footage Tenths	No.	Footage Feet	Footage Tenths	No.	Footage Feet	Footage Tenths	No.	Footage Feet	Footage Tenths	No.	Footage Feet	Footage Tenths
										FLOAT + SHOE		81	1717	50
1	10	00	21	31	75	41	31	80	61	55 JTS		82	1718	25
2	31	77	22	31	77	42	30	13	62	LESS		83	91	21
3	31	68	23	31	74	43	31	85	63	#10, 42, 55		84	1627	04
4	31	77	24	31	76	44	31	73	64			85	16	00
5	31	78	25	30	50	45	31	77	65	3 PUP		86	1643	04
6	31	18	26	31	78	46	31	68	66					
7	31	76	27	31	80	47	31	77	67	KB TO CASING			9	74
8	31	85	28	31	70	48	31	70	68	CASING LANDED			1655	39
9	31	74	29	31	76	49	31	80	69			89		
10	29	38	30	30	45	50	31	78	70			90		
Total 1-10	292	91	Total 21-30	315	01	Total 41-50	316	01	Total 61-70			Total 81-90		
11	31	78	31	31	74	51	31	80	71			91		
12	31	85	32	31	85	52	31	72	72			92		
13	31	08	33	31	76	53	31	78	73			93		
14	31	70	34	31	81	54	31	72	74			94		
15	31	85	35	31	73	55	31	70	75			95		
16	31	75	36	31	80	56			76			96		
17	31	80	37	31	78	57			77			97		
18	31	78	38	31	74	58			78			98		
19	31	78	39	31	73	59			79			99		
20	31	73	40	31	53	60			80			100		
Total 11-20	317	08	Total 31-40	317	77	Total 51-60	158	72	Total 71-80			Total 91-100		

Total 1-20 609.99 Total 21-40 632.78 Total 41-60 474.73 Total 61-80 _____ Total 81-100 _____

Total 1-20 609.99

Total 21-40 632.78

Total 41-60 474.73

Total 61-80 _____

Total 81-100 _____

Grand Total 1-100 1717.50

SHOE 1.00

FLOAT .40

Tallied by _____

Tally Checked by _____

Form 34402 (300 bks.-6-65)

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 12

WELL NAME JOE PROVIDENCE A 47 Lsd. 61 Sec. 30 Twn. 117 Rge. 15 W..... Contractor BIG INDIAN Month MAR. Day 22 19 68

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

DEPTH

From	To	Hole Made	Bit Size	Formation
1655				

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.

	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL DRILLING STRING	INDICATOR WEIGHT OF TOTAL DRILL COLLARS
DRILL COLLAR						
DATA						

BIT RECORD

No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Total Footage Reamed

Bit Serial No. Jet ☐ Conventional ☐

Nozzle Size Bit Wear: T_____ B_____ G_____

SURVEYS

Depth Deviation

MUD PUMP RECORD No. 1 No. 2

HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
					RAN 51 JTS 2 3/8 EUE 4.7#
					RANGE 2 PRODUCTION TUBING
					CEMENTED WITH 350 SKS CEMENT
					LANDED @ 1653.39 KB
					PLUG DOWN @ 5AM MAR 22/68
					CEMENTED BY HOWCO - DISPLACED
					WITH DIESEL — CEMENT RETURNS.

CORING

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
RUN TUBING	12-	230	2 1/2
CIRC	230	330	1
CEMENT	330	5-	1 1/2
TEAR OUT.	5-	8-	3

Driller Ken Brenna

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

From	To	Hole Made	Bit Size	Formation

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.

	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL DRILLING STRING	INDICATOR WEIGHT OF TOTAL DRILL COLLARS
DRILL COLLAR						
DATA						

No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Total Footage Reamed

Bit Serial No. Jet ☐ Conventional ☐

Nozzle Size Bit Wear: T_____ B_____ G_____

Depth Deviation

HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
					RIG RELEASED @ 6AM MARCH 22/68

John R. McDuff

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery

	From	To	Hrs.

Driller.....

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

From	To	Hole Made	Bit Size	Formation

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.

	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL DRILLING STRING	INDICATOR WEIGHT OF TOTAL DRILL COLLARS
DRILL COLLAR						
DATA						

No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Total Footage Reamed

Bit Serial No. Jet ☐ Conventional ☐

Nozzle Size Bit Wear: T_____ B_____ G_____

Depth Deviation

HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery

	From	To	Hrs.

Driller.....

HEADING UP & DRLG. OUT:
DRILLING:
REAMING:

CLASSES OF TIME BREAKDOWN

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

DID YOU CHECK BLOWOUT PREVENTER EQUIPMENT TODAY YES_____ NO_____

Total Contract Time .....hrs. Total Company Time .....hrs. Toolpusher ..... Approved by John R. McDuff

Form 34402 (300 bks.-6-65)

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 11

WELL NAME I.O.E PROVIDENCE Lsd. H.42 Sec. ..... Twn. ..... Rge. ..... W. ..... Contractor BIG INDIAN ..... Month MAR. Day 21 ..... 19 68

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

DEPTH

From	To	Hole Made	Bit Size	Formation
1655				

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.

	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
						DRILLING STRING	DRILL COLLARS
COLLAR DATA							

BIT RECORD

No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Total Footage Reamed

Bit Serial No. ..... Jet ☐ Conventional ☐

Nozzle Size ..... Bit Wear: T..... B..... G.....

SURVEYS

Depth	Deviation

PUSH PUMP RECORD

HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size

No. 1
No. 2

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS

CORING

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
Wait for Schlumberger tool	12:00	8:00	8

Driller Ken Brennan

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

DEPTH

From	To	Hole Made	Bit Size	Formation
1655				

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.

	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
						DRILLING STRING	DRILL COLLARS
COLLAR DATA							

BIT RECORD

No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Total Footage Reamed

Bit Serial No. ..... Jet ☐ Conventional ☐

Nozzle Size ..... Bit Wear: T..... B..... G.....

SURVEYS

Depth	Deviation

PUSH PUMP RECORD

HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS

CORING

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
W/O SCHLUMBERGER TOOL	8:00	9:00	1
WORK ON SCHLUM. TOOLS	9:00	11:00	2
LOGGING	11:00	2:00	3
RUN 6¼" BIT IN HOLE	2:00	3:00	1
CIRC	3:00	4:00	1

Driller Richardson

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

DEPTH

From	To	Hole Made	Bit Size	Formation
1655				

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.

	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
						DRILLING STRING	DRILL COLLARS
COLLAR DATA							

BIT RECORD

No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Total Footage Reamed

Bit Serial No. ..... Jet ☐ Conventional ☐

Nozzle Size ..... Bit Wear: T..... B..... G.....

SURVEYS

Depth	Deviation

PUSH PUMP RECORD

HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS

CORING

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
Rig Service	4:00	4:15	¼
Work on clutch	4:15	4:30	¼
Start Laying down pipe & collars	4:	5:00	3½
Wait on Tubing	8:00	9:30	1½
unload & measure tubing	9:30	10:30	1
Remove B.O.P.'s	10:30	11:45	1¼
Rig up to run tubing	11:45	12:00	¼

Driller Freddie Redhead

HEADING UP & DRLG. OUT:
DRILLING:
REAMING:

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

DID YOU CHECK BLOWOUT PREVENTER EQUIPMENT TODAY YES ✓ NO.....

Total Contract Time .....hrs. Total Company Time .....hrs. Toolpusher Glen Forsyth Approved by .....

Form 34402 (300 bks.-6-65)

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 10

WELL NAME IOE PROVIDENCE H 47 Lsd. Sec. Twn. Rge. W. Contractor BIG INDIAN DRLG Month MARCH Day 20 19 66

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

DEPTH

From	To	Hole Made	Bit Size	Formation
1550	1612	62	6¼	

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
3½		39	37.80	231	

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
COLLAR	8	4¾	2⅜	231	DRILLING STRING	DRILL COLLARS
DATA						

BIT RECORD

No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Total Footage Reamed
5	V2	13¾	115	16M	90			

Bit Serial No. 42554 Jet ☐ Conventional ☑

Nozzle Size Bit Wear: T B G

SURVEYS

Depth Deviation

CUSH PUMP RECORD No. 1 No. 2

HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
		200	10	65	5½

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
2.00	58	9.8	20	10	
6.00	56	9.9	20	10	

CORING

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
DRILL	12.00	1.30	1½
RIG SERVICE	1.30	1.45	¼
DRILL	1.45	2.00	¼
PRIME PUMP	2.00	2.30	½
DRILL	2.30	8.00	5½

Driller Ken Bowman

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

DEPTH

From	To	Hole Made	Bit Size	Formation
1612	1655	43	6¼	

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
3½		39	32		

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
COLLAR	8			231	DRILLING STRING	DRILL COLLARS
~~FLEX~~ DATA	5			154		

BIT RECORD

No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Total Footage Reamed
5	V2	19¼	158	17M	90	1655	158	

Bit Serial No. 42553 Jet ☐ Conventional ☐

Nozzle Size Bit Wear: T B G

SURVEYS

Depth 1655 Deviation 1°

CUSH PUMP RECORD No. 1 No. 2

HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
10.00	75	9.7	10.2	8	
2.00	90	9.8	10.9	8	

CORING

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
RIG SERVICE - CHECK B.O.P.	8.00	8.30	½
DRLG.	8.30	2.00	5½
CIRC	2.00	2.30	½
TOTCO	2.30	2.45	¼
HOISTING - STRAP OUT	2.45	4.00	1¼

Driller Richardson

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

DEPTH

From	To	Hole Made	Bit Size	Formation
1655				

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.

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	Total Footage Reamed

Bit Serial No. Jet ☐ Conventional ☐

Nozzle Size Bit Wear: T B G

SURVEYS

Depth Deviation

CUSH PUMP RECORD No. 1 No. 2

HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
I.E	233 - 1654				
BHCSGRC	233 - 1654				

CORING

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
Hoist Bit	4.00	4.15	¼
rig up to log	4.15	4.30	¼
Logging	4.30	12.00	7½

Driller Freddie Redhead

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 Time .....hrs. Total Company Time .....hrs. Toolpusher Wm Forsyth Approved by John A. McPhail

Form 34402 (300 bks.-6-65)

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 9

WELL NAME I.O.E PROVIDENCE Lsd. H-47 Sec. ..... Twn. 61 Rge. 11 W 5 Contractor BIG INDIAN Month MARCH Day 19 19 66

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

DEPTH

From	To	Hole Made	Bit Size	Formation
1396	1448	52	6 1/4	

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
3 1/2		33	37.80	231	

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
COLLAR	8	4 3/4	2 3/8	231	DRILLING STRING	DRILL COLLARS
DATA						

BIT RECORD

No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Total Footage Reamed
4	K2P	16	125	15M	90		125	-

Bit Serial No. 89226 Jet ☐ Conventional ☑

Nozzle Size Bit Wear: T ___ B ___ G ___

SURVEYS

Depth Deviation

MUD PUMP RECORD No. 1 No. 2

H O U R S On Line	H O U R S Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
		200	10	66	6 3/4

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
2.00	52	8.9	10	11	
6.00	52	8.9	10	11	

CORING

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
DRILL	12.00	1.30	1 1/2
SERVICE RIG	1.30	1.45	1/4
W.O. PUMP	1.45	2.30	3/4
DRILL	2.30	8.00	5 1/2

Driller Ken Brennan

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

DEPTH

From	To	Hole Made	Bit Size	Formation
1448	1497	45	6 1/4	RED BED

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
3 1/2		34	30	231	

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
COLLAR	8	4 3/4	2 3/8	231	DRILLING STRING	DRILL COLLARS
~~KELLY~~ DATA	5			154		

BIT RECORD

No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Total Footage Reamed
4	K2P	21 1/4	170	15M	90	1497		

Bit Serial No. 89226 Jet ☐ Conventional ☒

Nozzle Size Bit Wear: T 3 B 5 G 6

SURVEYS

Depth Deviation

MUD PUMP RECORD No. 1 No. 2

H O U R S On Line	H O U R S Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
		300	10	65	5 1/2

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
8.00	48	9.2		11	25# CMC
12.00	50	9.3	12.	11	50# SPERSENE

CORING

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
RIG SERVICE - CHECK BOP	8.00	8.30	1/2
DRLG	8.30	10.30	2
REPAIR RIG	10.30	11.45	1 1/4
DRLG	11.45	3.00	3 1/4
HOIST BIT	3.00	4.00	1

Driller Richardson

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

DEPTH

From	To	Hole Made	Bit Size	Formation
1497	1550	53	6 1/4	

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
3 1/2		36	37.80	231	

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
COLLAR	8	4 3/4	2 3/8	231	DRILLING STRING	DRILL COLLARS
~~KELLY~~ DATA	5			151		

BIT RECORD

No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Total Footage Reamed
5	V2	6 1/2	53	15	90			

Bit Serial No. 4285-9 Jet ☐ Conventional ☑

Nozzle Size Bit Wear: T ___ B ___ G ___

SURVEYS

Depth Deviation

MUD PUMP RECORD No. 1 No. 2

H O U R S On Line	H O U R S Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
		300	10	65	5 1/2

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
8.00	49	9.8			
10.00	50	9.8			

CORING

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
Ran in w/ Bit	4.00	5.15	1 1/4
Rig Service	5.15	5.30	1/4
Drlg.	5.30	12.00	6 1/2

Driller ~~Freddie~~ Redbreast

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 Time .....hrs. Total Company Time .....hrs. Toolpusher ..... Approved by John A. McDuff

Form 34402 (300 bks.-6-65)

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 8

WELL NAME I.O.P. PROVIDENCE Lsd. 14 Sec. 61 Twn. 30 Rge. 17 W. 15 Contractor BIG INDIAN RIG 17 Month MARCH Day 18 19 68

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

DEPTH

From	To	Hole Made	Bit Size	Formation
1298	1318	20		

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
3½		29	37.80	231	

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
COLLAR	8	4¾	2⅞	231	DRILLING STRING	DRILL COLLARS
DATA						

BIT RECORD

No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Total Footage Reamed
3	DG	10¼	70	16M	90	IN	70	—

Bit Serial No. 44852 Jet ☐ Conventional ☑

Nozzle Size Bit Wear: T____ B____ G____

SURVEYS Depth Deviation

MUSH PUMP RECORD No. 1 / No. 2

HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
		300	18	106	5½

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
200	48	98	9.8	11	

CORING

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
DRILL.	12:00	3:00	3
SERVICE RIG	3:00	3:15	¼
DRILL	3:15	6:00	2¾
BROKE DOWN	6:00	8:00	

Driller Ken Bauman

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

DEPTH

From	To	Hole Made	Bit Size	Formation
1318	1334	16.	6¼	

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
3½			37	231	

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
COLLAR	8	4¾	2⅞	231	DRILLING STRING	DRILL COLLARS
~~SUB~~	5			15.4		

BIT RECORD

No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Total Footage Reamed
3	DG	12¼	75	16M	90	1323	75	
4	K2P	1½	11	16M	90	—		

Bit Serial No. 44852 Jet ☐ Conventional ☒

Nozzle Size Bit Wear: T 7 B 8 G 8

Depth Deviation

HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
		300	~~8~~ 10	65	5½

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
					25 LBS CAUSTIC
					10 SAX KWIK-GEL
					3 SAX MAGGBEL
4.00	35	8.9		11.	25 LBS CMC

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery

	From	To	Hrs.
REPAIR RIG	8.00	9.30	1½
RIG SERVICE — CHECK BOP	9.30	10.00	½
BUILD VOLUME & MIX MUD	10.00	11.00	1
DRLG.	11.00	12.30	1½
TRIP FOR BIT	12.30	2.30	2.
DRLG.	2.30	4.00	1½

Driller T. Richardson

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

DEPTH

From	To	Hole Made	Bit Size	Formation
1334	1396	62	6¼	

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
3½		31	37.80	231	

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
COLLAR	8	4¾	2⅞		DRILLING STRING	DRILL COLLARS
~~SUB~~	5			15.1		

BIT RECORD

No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Total Footage Reamed
4	K2P	9	73	15M	70			

Bit Serial No. 89226 Jet ☐ Conventional ☑

Nozzle Size Bit Wear: T____ B____ G____

Depth Deviation

HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
			10	65	5½

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
6:00	43	8.9			Gel. 700 lb
8:00	47	8.9			
10:00	50	8.9			

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery

	From	To	Hrs.
Weld	4:00	5:00	1
Rig & Service	5:00	5:15	¼
Drlg.	5:15	7:30	2¼
Gas Test	7:30	7:45	¼
Drlg.	7:45	12:00	4¼

Driller Freddie Redhead

CLASSES OF TIME BREAKDOWN

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

DID YOU CHECK BLOWOUT PREVENTER EQUIPMENT TODAY YES ☑ NO ☐

Total Contract Time .....hrs. Total Company Time .....hrs. Toolpusher ..... Approved by John A. McHutt

Form 34402 (300 bks.-6-65)

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 7

WELL NAME I.O.E PROVIDENCE Lsd. H-47 Sec. 61 Twn. 30 Rge. 17 W. 15 Contractor ..... Month MARCH Day 17 19 68

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

DEPTH

From	To	Hole Made	Bit Size	Formation
1110	1200	90	6¼	

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
3½		27	3286	231	

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
					DRILLING STRING	DRILL COLLARS
COLLAR	8	4¾	2⅛	231		
DATA						

BIT RECORD

No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Total Footage Reamed
2	DT	9½		12M	90			

Bit Serial No. 45021 Jet ☐ Conventional ☑

Nozzle Size Bit Wear: T ____ B ____ G ____

SURVEYS

Depth Deviation

PUSH PUMP RECORD

HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
		300	10	66	5½

No. 1
No. 2

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
2:00	46	88	8.8	11	
6:00	46	9.0	8.8	11	

CORING

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
~~SERVICE RIG~~			
RIG SERVICE	12:00	12:15	¼
DRILL	12:15	8:00	7¾

Driller Ken Brunson

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

DEPTH

From	To	Hole Made	Bit Size	Formation
1200	1248	48	6¼	

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
3½		26	37	231	

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
					DRILLING STRING	DRILL COLLARS
COLLAR	8	4¾	2⅛	231		
~~DATA~~	5			154		

BIT RECORD

No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Total Footage Reamed
2	DT	~~9½~~						
		15	173	12M	90	1248	173	

Bit Serial No. 45021 Jet ☐ Conventional ☒

Nozzle Size Bit Wear: T 3 B 6 G 8

SURVEYS

Depth 1216 Deviation 1°

PUSH PUMP RECORD

HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
		300	10	65	5½

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
8:00	47	9.0	8.6	10.5	
12:00	46	9.1	8.6	10.5	

CORING

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
RIG SERVICE - CHECK B.O.P.	8:00	8.30	½
DRLG	8.30	10.30	2
TOTCO	10.30	10.45	¼
DRLG	10.45	2.15	3½
REPAIR RIG	2.15	2.30	¼
HOISTING	2.30	4.00	1½
STRAP OUT OF HOLE - NO CORR.			

Driller Richardson

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

DEPTH

From	To	Hole Made	Bit Size	Formation
1248	1298	50	6¼	

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
3½		28	3780	231	

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
					DRILLING STRING	DRILL COLLARS
COLLAR	8	4¾	2⅞			
~~DATA~~	5			154		

BIT RECORD

No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Total Footage Reamed
3	D.C.	4½	50	15M	90			

Bit Serial No. 44852 Jet ☐ Conventional ☑

Nozzle Size Bit Wear: T 2 B 2 G 2

SURVEYS

Depth Deviation

PUSH PUMP RECORD

HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
		300	10	65	5½

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
8:00	40	8.1			
11:00	50	8.9			

CORING

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
RAN IN W/BIT	4:00	5:00	1
REAM BOTTOM HOLE	5:00	5:15	¼
RIG SERVICE	5:15	5:30	¼
REPAIR RIG	5:30	7:15	1¾
DRLG	7:15	10:45	3½
WORK on pump	10:45	11:00	
DRLG.	11:00	12:00	1

Driller Frederick Redlund

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 Time ..... hrs. Total Company Time ..... hrs. Toolpusher ..... Approved by John R. McHardt

Form 34402 (300 bks.-6-65)

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No.....

WELL NAME L.D.E. PROVIDENCE H-47-61-30-117-W5 Lsd..... Sec. ..... Twn..... Rge..... W..... Contractor BIG INDIAN DRLG. Month MAR. Day 16 19 68

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

DEPTH

From	To	Hole Made	Bit Size	Formation

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.

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	Total Footage Reamed

Bit Serial No. ..... Jet ☐ Conventional ☐

Nozzle Size ..... Bit Wear: T..... B..... G.....

SURVEYS Depth ..... Deviation .....

MUD PUMP RECORD No. 1 No. 2

HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size

MUD RECOR.

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS

CORING

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
NO. SHIFT.			

Driller Ron Brennan

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

From	To	Hole Made	Bit Size	Formation

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL
COLLAR					DRILLING STRING / DRILL COLLARS
DATA					

No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Total Footage Reamed

Bit Serial No. ..... Jet ☐ Conventional ☐

Nozzle Size ..... Bit Wear: T..... B..... G.....

Depth ..... Deviation .....

HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery

	From	To	Hrs.
INSTALL WATER PUMP IN RIG MOTOR -	2.00	4.00	2.

Driller Robert Lee

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

From	To	Hole Made	Bit Size	Formation
1075	1110	35	6 1/4	

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
3 1/2		22	37.80	231.80	

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL
COLLAR	8	4 3/4	2 7/8		DRILLING STRING / DRILL COLLARS
DATA	5 Flex wt.				

No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Total Footage Reamed
2	R.T.	1 3/4	35	15M	90		35	

Bit Serial No. 45021 Jet ☐ Conventional ☑

Nozzle Size ..... Bit Wear: T..... B..... G.....

Depth ..... Deviation .....

HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
		525	10	65	5 1/2

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
11	42	8.8			

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery

	From	To	Hrs.
START Boiler & Dr. MOTOR	4:00		
~~Start up mud pump~~			
~~Thaw out Dr. equip.~~		9:00	4
Rig in W/Jt	9:00	9:00	1
Break circ. Ream clean out 120 ft. Bottom of hole Drlg.	9:00	11:15	1 1/4
	pipe	12	1 3/4

Driller Freddie Redhead

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 Time .....hrs. Total Company Time .....hrs. Toolpusher ..... Approved by .....

Form 34402 (300 bks.-6-65)

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 5

WELL NAME I.O.E. PROVIDENCE H-47-61-30-117-15 Lsd. Sec. Twn. Rge. W. Contractor Month March Day 15 1968

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

DEPTH

From	To	Hole Made	Bit Size	Formation
615	990	375	6 1/4	Shale

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
3 1/2		18	37.80	231.80	

DRILL COLLAR DATA	Number	OD	ID	Length	Indicator Weight of Total Drilling String	Drill Collars
	8	4 3/4	2 7/8			
5 Flex wt.			15-0			

BIT RECORD

No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed
1	S.T.		782	15M	120	IN	782	

Bit Serial No. 45026 Jet ☐ Conventional ☒

Nozzle Size Bit Wear: T__ B__ G__

SURVEYS Depth 804 Deviation 3/4°

FLUSH PUMP RECORD

	Hours On Line	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
No. 1			325	10	65	5 1/2
No. 2						

MUD RECORD

Time	Visc.	Wt.	W L	pH	Additives — Pounds
	WATER				
					Caustic
2 PM	45	8.8	8.2		gel 1500
					Pettex
					CMC

CORING

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
Rig Service	12:00	12:15	1/4
Drlg.	12:15	3:30	3 1/4
Survey @ 804 ft.	3:30	3:45	1/4
Drlg.	3:45	8:00	4 1/4

Driller Freddie Redhead

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

DEPTH

From	To	Hole Made	Bit Size	Formation
990	1075	85		

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.

DRILL COLLAR DATA	Number	OD	ID	Length	Indicator Weight of Total Drilling String	Drill Collars

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

FLUSH PUMP RECORD

	Hours On Line	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
No. 1						
No. 2						

MUD RECORD

Time	Visc.	Wt.	W L	pH	Additives — Pounds

CORING

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
SERVICE RIG			
DRILL			
MIX MUD			
DRILL			
WATER PUMP			
LEAKING			
SHUT DOWN			

Driller

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

DEPTH

From	To	Hole Made	Bit Size	Formation
		NIL		

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
3 1/2					

DRILL COLLAR DATA	Number	OD	ID	Length	Indicator Weight of Total Drilling String	Drill Collars

BIT RECORD

No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed
1	DT							

Bit Serial No. Jet ☐ Conventional ☐

Nozzle Size Bit Wear: T 3 B 4 G 8

SURVEYS Depth Deviation

FLUSH PUMP RECORD

	Hours On Line	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
No. 1						
No. 2						

MUD RECORD

Time	Visc.	Wt.	W L	pH	Additives — Pounds

CORING

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
HOIST PIPE	4.00	4.45	3/4
DRAIN DOWN	4.45	6:30	1 3/4
			2 1/2

Driller Richardson

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 Time .... hrs. Total Company Time .... hrs. Toolpusher .... Approved by John A. McTaggart

Form 34402 (300 bks.-6-65)

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 4

WELL NAME E.O.E. Providence H-47-61-30-117-1 Lsd..... Sec..... Twn..... Rge..... W..... Contractor ..... Month March Day 14 1968

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

DEPTH

From	To	Hole Made	Bit Size	Formation
238				

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.

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	Total Footage Reamed

Bit Serial No. ..... Jet ☐ Conventional ☐

Nozzle Size ..... Bit Wear: T..... B..... G.....

SURVEYS

Depth ..... Deviation .....

FLUSH PUMP RECORD

HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size

No. 1

No. 2

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS

CORING

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
Work on Boiler	12:00	12:30	1/2
Nipple up	12.30	7:00	6 1/2
Work on pump	7:00	8:00	1

Driller Freddie Redhead

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

DEPTH

From	To	Hole Made	Bit Size	Formation
	238			

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
COLLAR	7	4 3/4	2 7/8	238	DRILLING STRING	DRILL COLLARS
DATA						

BIT RECORD

No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Total Footage Reamed
1	DT	4	CEMENT 28	4M	90			

Bit Serial No. 45026 Jet ☐ Conventional ☑

Nozzle Size ..... Bit Wear: T..... B..... G.....

SURVEYS

Depth ..... Deviation .....

FLUSH PUMP RECORD

HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size

No. 1

No. 2

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS

CORING

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
FINISH NIPPLE UP	8 00	8 30	1/2
PRIME PUMP.	8 30	9 00	1/2
TRY TO PRESSURE BLIND RAMS..	9 00		
WON'T HOLD		9 45	3/4
PRESSURE HYDRIL BLIND	9 45	10 30	3/4
RUN IN PRESSURE 3 1/2 PIPE RAMS	10 30		
MANIFOLD KELLY COCK.		12 00	1 1/2
DRILL CEMENT FROM 210			

Driller Ken Bannon

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

DEPTH

From	To	Hole Made	Bit Size	Formation
238	615'	377	6 1/4	SHALE

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
3 1/2		7	37	231	

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
COLLAR	8	4 3/4	2 7/8		DRILLING STRING	DRILL COLLARS
DATA	5 - FLEX WT.			154	15 M.	

BIT RECORD

No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Total Footage Reamed
1	DT	11 3/4	405	15 M	90	IN	405'	

Bit Serial No. 45026. Jet ☐ Conventional ☒

Nozzle Size ..... Bit Wear: T..... B..... G.....

SURVEYS

Depth ..... Deviation .....

FLUSH PUMP RECORD

HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
		300	10	65	5 1/2

No. 1

No. 2

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
WATER.					

CORING

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
RIG SERVICE	4.00	4:15	1/4
DRLG	4:15	12.00	7 3/4

Driller R. Richardson

CLASSES OF TIME BREAKDOWN

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

DID YOU CHECK BLOWOUT PREVENTER EQUIPMENT TODAY YES..... NO.....

Total Contract Time .....hrs. Total Company Time .....hrs. Toolpusher ..... Approved by John C. McHardt

IMPERIAL OIL LIMITED

EDMONTON PRODUCING DIVISION

FORM No. 558

DATE MAR 13, 68

PAGE NO. ____

CASING—CEMENTING REPORT

REFERENCE TALLY No. ____

NAME OF WELL 10E PROVIDENCE A 47 61°30' 117° 15'

CONTRACT RIG ____ PREPARED BY ____

CASING	SIZE O.D. (IN.)	WEIGHT LB./FT.	GRADE	MANUFACTURER	COLLARS SHORT/LONG	No. OF JOINTS	AMOUNT FT.	DEPTH FT K.B. (c)
	7"	26	J55	MANN	STEC	10	108.79	
STAGING COLLAR								
BACK-OFF COLLAR OR PACKER								
FLOAT COLLAR				INSERT				
CASING	7"	26	J55	MANN	STEC	1	13.50	
SHOE				HALIBURTON			1.00	
						TOTAL	223.29	

HOLE SIZE 9 7/8 IN. FROM 0 TO 238 FT.

HOLE SIZE ____ IN. FROM ____ TO ____ FT.

HOLE SIZE ____ IN. FROM ____ TO ____ FT.

K.B. TO TOP OF SURFACE CASING FLANGE 8.10 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 ____

CALC. AMT. UP ON LAST JT.	
ACTUAL AMT. UP ON LAST JT.	9 40
MAKE UP ALLOWANCE	
CASING SET	232 69
TOTAL DEPTH OF HOLE	238

TYPE OF FLOAT EQUIPMENT HALIBURTON MANUFACTURER ____

ITEM	TYPE	MANUFACTURER	No.	SPACING FT.	INTERVAL COVERED	FT. K.B. (c)
SCRATCHERS						
CENTRALIZERS	HALIBURTON			20'	ABOVE SHOE	

TYPE OF MUD

INITIAL MUD: WT. ____ LB./GAL. VISCOSITY 90 SEC.

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

CEMENTED BY HALLIBURTON

CEMENT USED 100 SKS. GEL.: ____ % ____ SKS.

ADDITIVES CACL2 AMT. 2 SKS.

____ AMT. ____ SKS.

TIME CASING STARTED IN HOLE 5.00 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? NO

IF SO AT WHAT DEPTH? ____ FT.

TIME CASING ON BOTTOM 9 30 A.M. ____ P.M.

CIRCULATION BROKEN AT 1015 A.M. ____ P.M.

PRESSURE REQUIRED TO BREAK CIRCULATION 100 P.S.I.

CIRCULATING PRESSURE AFTER CLEANUP 100 P.S.I.

STROKE LENGTH WHILE RECIPROCATING 20 FT. INITIALLY

30 FT. FINALLY

TIME STARTED MIX CEMENT 11 15 A.M. ____ P.M.

WAS BOTTOM PLUG USED NO?

RELEASED TOP PLUG AT 1135 A.M. ____ P.M.

PRESSURE JUST BEFORE PLUG HITS ____ P.S.I.

MAXIMUM PRESSURE 500 P.S.I. 11 45

PLUG CHASED WITH WATER 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.

RECIPROCATION STOPPED AT ____ A.M. ____ P.M.

REMARKS: GOOD RETURNS.

IMPERIAL OIL LIMITED

FORM No. 559

EDMONTON PRODUCING DIVISION

PAGE No. _____

DATE MAR 13 68

PIPE TALLY

TALLY No. _____

NAME OF WELL IOE PROVIDENCE AMI-NI-36-117-15

CONTRACT RIG BIG INDIAN MEASURED BY CREIN CHECKED BY J.McNUTT

NOMINAL PIPE SIZE 7" WT. 26 LB/FT. GRADE J 55 RANGE 1 & 2 THREADS PER INCH 8

TYPE OF PIPE API LONG/SHORT COLLAR STEC MANUFACTURER MANN

No.	FOOTAGE FEET	FOOTAGE TENTHS	No.	FOOTAGE FEET	FOOTAGE TENTHS	No.	FOOTAGE FEET	FOOTAGE TENTHS	No.	FOOTAGE FEET	FOOTAGE TENTHS	No.	FOOTAGE FEET	FOOTAGE TENTHS
1	13	50	21			41	CASING		61			81	222	29
2	18	14	22			42	SHOE		62			82	1	00
3	15	50	23			43	LANDING		63	JT		83	10	40
4	19	22	24			44			64			84	232	69
5	15	45	25			45			65			85		
6	19	14	26			46	CASING		66	LANDED		86	232	69
7	19	53	27			47			67			87		
8	190	02	28			48			68			88		
9	17	20	29			49			69			89		
10	33	80	30			50			70			90		
TOTAL 1-10	189	50	TOTAL 21-30			TOTAL 41-50			TOTAL 61-70			TOTAL 81-90		
11	32	79	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	222	29	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		GRAND TOTALS 1-100	
TOTAL 21-40			
TOTAL 41-60		GRAND TOTALS 101-___	
TOTAL 61-80		GRAND TOTALS ___-___	
TOTAL 81-100			
GRAND TOTAL 1-100		GRAND TOTAL 1-___	

CAUTION: IF THE BOTTOM TEN JOINTS ARE NOT RUN IN SEQUENCE SHOWN, INDICATE ACTUAL SEQUENCE.

FLOAT COLLAR _____ FT.

FLOAT SHOE 1.00 FT.

_____ FT

_____ FT.

Form 34402 (300 bks.-6-65)

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 3

WELL NAME Fort Providence H-47-61-30-117-15 Lsd..... Sec..... Twn..... Rge..... W..... Contractor ..... Month MARCH Day 13 1968

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

DEPTH

From	To	Hole Made	Bit Size	Formation
238				

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.

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	Total Footage Reamed

Bit Serial No. Jet ☐ Conventional ☐

Nozzle Size Bit Wear: T____ B____ G____

SURVEYS

Depth Deviation

FLUSH PUMP RECORD No. 1 No. 2

HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
2:00	65				

CORING

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
R.C. SERVICE	12:00	12:15	1/4
RUN CHASE BOULDER	12:15	5:15	5
TO BOTTOM	~~5:15~~	~~5:45~~	~~1/2~~
CIRC.	5:15	5:45	1/2
R.C. UP TO RUN CSG.	5:45	4:30	3/4
RUN CSG.	4:30	8:00	3 1/2

Driller Freddie Redhead

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

DEPTH

From	To	Hole Made	Bit Size	Formation
238				

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
3 1/2					

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	Total Footage Reamed

Bit Serial No. Jet ☐ Conventional ☐

Nozzle Size Bit Wear: T____ B____ G____

Depth Deviation

HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
RAN 11 JTS 223.29' J55 7" 26# R-1 STEC MANN USED CASING CEMENTED WITH 100 SKS CEMENT PLUS 2.5% CaCl2 CASING LANDED @ 232.69 KB					

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery
PLUG DOWN @ 11:45 AM					

	From	To	Hrs.
FINISH IN W.C.S.G.	8:00	9:00	1
PRIME PUMP.	9:00	10:00	1
CIRCULATE CASING	10:00	10:30	1/2
RIG TO CEMENT	10:30	11	1/2
CEMENT	11	11:05	1/4
W.O.C	11:05	4:00	4 11/12

Driller Ken Bannon

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

DEPTH

From	To	Hole Made	Bit Size	Formation
238				

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.

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	Total Footage Reamed

Bit Serial No. Jet ☐ Conventional ☐

Nozzle Size Bit Wear: T____ B____ G____

Depth Deviation

HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery

	From	To	Hrs.
W.O.C.	4:00	12:00	

Driller R. Hunter

CLASSES OF TIME BREAKDOWN

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

DID YOU CHECK BLOWOUT PREVENTER EQUIPMENT TODAY YES____ NO____

Total Contract Time .....hrs. Total Company Time .....hrs. Toolpusher ..... Approved by .....

Form 34402 (300 bks.-6-65)

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No.....

WELL NAME Lodge Providence H-47-61-30-117-15 Lsd..... Sec..... Twn..... Rge..... W..... Contractor ..... Month March Day 12 1968

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

DEPTH

From	To	Hole Made	Bit Size	Formation
65	73		9 7/8	

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
			37.80		

DRILLING STRING

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
COLLAR				31.58	DRILLING STRING	DRILL COLLARS
DATA						

BIT RECORD

No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Total Footage Reamed
1A	VT3	4	73		90			

Bit Serial No. F06104 Jet ☐ Conventional ☐

Nozzle Size ..... Bit Wear: T..... B..... G.....

SURVEYS

Depth ..... Deviation .....

MUD PUMP RECORD

HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
		75	10	65	5

No. 1
No. 2

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
4:00	32				Cock. 2400 #
6:00	37				caustic 125 #
9:30	42				

CORING

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
DRLG.	12:00	12:15	1/4
RIG SERVICE	12:15	12:30	1/4
RIG UP TO MIX MUD	12:30	1:00	1/2
MIX MUD	1:00	5:15	4 1/4
REAMING (HOLE CAVING)	5:15	5:30	1/4
MIX MUD	5:30	7:30	2
REAMY BOTTOM HOLE	7:30	8:00	1/2

Driller Freddie Redhead

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

DEPTH

From	To	Hole Made	Bit Size	Formation
73	178	105	9 7/8	SHALE FROM 130.

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
				151	

DRILLING STRING

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
COLLAR	5	4 3/4	2 7/8	151	DRILLING STRING	DRILL COLLARS
DATA						12

BIT RECORD

No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Total Footage Reamed
1A	VT3	9 1/4	178	8M	90	IN	105	

Bit Serial No. F06104 Jet ☐ Conventional ☑

Nozzle Size CON Bit Wear: T..... B..... G.....

SURVEYS

Depth ..... Deviation 30 - 1/4 100 - 1 1/8 - 159 - 3/4

MUD PUMP RECORD

HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
		100	10	65	5 1/2

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS

CORING

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
CLEAN TO BOTTOM	8:00	8:30	1/2
SURVEY CLEAN TO BOTTOM	8:30	8:45	1/4
SURVEY	8:45	9:30	3/4
DRILL	9:30	9:45	1/4
SURVEY	9:45	11:45	2
DRILL	11:45	12:45	1
SERVICE RIG W.O. PUMP	12:45	1:30	3/4
DRILL	1:30	2:45	1 1/4
SURVEY W.O. PUMP	2:45	4:00	1 1/4
DRILL			

Driller Ken Brannen

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

DEPTH

From	To	Hole Made	Bit Size	Formation
178	238	60	9 7/8	SHALE

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.

DRILLING STRING

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
COLLAR	7	4 3/4	2 3/8	206.	DRILLING STRING	DRILL COLLARS
DATA						14.

BIT RECORD

No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Total Footage Reamed
1A	VT3	14 1/4	238.	14M	90	238	238.	

Bit Serial No. F06104 Jet ☐ Conventional ☒

Nozzle Size ..... Bit Wear: T..... B..... G.....

SURVEYS

Depth 238. Deviation 238 - 1/2°

MUD PUMP RECORD

HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
		100	10	65	5 1/2

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
4:00	85				
6:00	85				
8:00	90				

CORING

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
RIG SERVICE	4:00	4:15	1/4
DRG	4:15	9:15	5
CIRC.	9:15	9:30	1/4
TOTCO	9:30	9:45	1/4
DUM TRIP - CHASE BOULDER BACK IN.	9:45	12:00	2 1/4

Driller Richardson

CLASSES OF TIME BREAKDOWN

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

DID YOU CHECK BLOWOUT PREVENTER EQUIPMENT TODAY YES..... NO.....

Total Contract Time .....hrs. Total Company Time .....hrs. Toolpusher ..... Approved by .....

Form 34402 (300 blks.-6-65)

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 1

WELL NAME L.O.E. PROVIDENCE H-47-61-30-117-W5 Lsd..... Sec..... Twn..... Rge..... W..... Contractor B.C. INDIAN DRLG. Month MAR. Day 11 19 66

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

DEPTH

From	To	Hole Made	Bit Size	Formation

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.

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	Total Footage Reamed

Bit Serial No. Jet ☐ Conventional ☐

Nozzle Size Bit Wear: T..... B..... G.....

SURVEYS

Depth Deviation

FLUSH PUMP RECORD No. 1 No. 2

HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS

CORING

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.

Driller.....

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

DEPTH

From	To	Hole Made	Bit Size	Formation

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.

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	Total Footage Reamed

Bit Serial No. Jet ☐ Conventional ☐

Nozzle Size Bit Wear: T..... B..... G.....

Depth Deviation

HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery

	From	To	Hrs.
RIG UP	8:00	4:00	8

Driller. Ken Brunner

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

DEPTH

From	To	Hole Made	Bit Size	Formation
0	65	65	9 7/8	SAND

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
			37	31.	

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	Total Footage Reamed
1A	YT3	3 1/4	65		90	N	65	

Bit Serial No. F06104 Jet ☐ Conventional ☒

Nozzle Size Bit Wear: T..... B..... G.....

Depth Deviation

HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
	WATER.				100 LBS CAUSTIC
					5 SAK GEL

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery

	From	To	Hrs.
RIG UP & WORK ON LIGHTPLANT & BOILER.	4:00	8:15	4 1/4
DRLG	8:15	12:00	3 3/4

Driller. T. Richardson

CLASSES OF TIME BREAKDOWN

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

DID YOU CHECK BLOWOUT PREVENTER EQUIPMENT TODAY YES..... NO.....

Total Contract Time .....hrs. Total Company Time .....hrs. Toolpusher Alex Forsyth. Approved by .....