

JOE MARTIN

HOUSE L-50

Drilling Authority No. 232
Date Issued

WELL NAME IOE Martin House L-50
FIELD Area:
LOCATION: Unit L Section 50 Grid 66-50-133-15
Latitude 66-49-42 Longitude 133-24-03
From Established Reference Marker

Rig Release Date:
Status
Information Release Date

CHANGE OF NAME:

DATE RECEIVED	INDEX
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	Well History Report.
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	Application to Abandon a Well or Suspend Drilling.
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Drilling Authority No. 232
Date Issued 22nd March 1966

DEPARTMENT OF NORTHERN AFFAIRS AND NATIONAL RESOURCES
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 Martin House L-50
Permit No. 3600 Lease No.
Imperial Oil Enterprises Ltd. Exploratory Licence No. 700 & 1019
(Permitter, Licensee, Lessee)
Imperial Oil Enterprises Ltd. Exploratory Licence No. 700 & 1019
(Operator)
Location: Unit L Section 50 Grid 66-50-133-15
Latitude 66°49'42"N Longitude 133°24'03"W
From Established Reference Marker Location from seismic control on Government map and air photographs.

	DATE	DEPTH	Pool (s)
Spudded	April 17/66		Interval(s) open to production
Suspended			
Resumed			
Finished Drilling	June 7/66	7900	
Deepened			Elevation: Gr. 274.5
Complete (gas/oil)			K.B. 288.7
Abandoned	June 11/66	7900	Drilling Contractor & Rig No. P. Bawden #16
Rig released	June 11/66	7900	Contractor's Business Licence No. A10247

CASING RECORD

Casing Size (Inches)	Grade	Weight	Amount	Set at—	Sacks of Cement and Additives
1. 13-3/8	JS	54.5	73'	73	70 Pondus
2. 9-5/8	J55	36	21	849.52	400 + 2.45% CaCl2
3.					
4.					
5.					
6.					

GEOLOGICAL TOPS	ELEVATION		CORE RECORD					
	Depths	Sub-Sea	From	To	Rec.	From	To	Rec.
Cretaceous	70	+219	4670	4720	50	6556	6568	12
Lower Cretaceous	70	+219	4860	4910	50			
Imperial	150	+139	4915	4965	50			
Canol	4320	-4031	4965	4990	25			
Hume	4468	-4179	5524	5574	50			
Bear Rock	4818	-4529	6330	6373	27			
Ronning	6550	-6271	6410	6437	27			

LOG RECORD

Run No.	Type of Log	From	To
1	IE	850	7902
1	MC	850	7903
1	BHCSGR	850	7897
1	Dipmeter	?	
1	Velocity Survey		



DEPARTMENT OF NORTHERN AFFAIRS AND NATIONAL RESOURCES
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 IOF Martin House L-50-66-50-133-15
Location: Unit Section Grid
Latitude 66° 49' 42" N Longitude 133° 24' 03" W
From Established Reference Marker Location from government map pick and air
photos of rig on location
Permit No. 3600 Lease No. Imperial Oil Enterprises Ltd.
(Permittee, Licensee, Lessee)

Date of commencement of proposed program June 10, 1966

OIL, GAS, AND WATER ENCOUNTERED (Depths)

Oil at None encountered
Gas at None encountered
Water at 6285' - 6437'
Total Depth 7902' Date of last operations June 9, 1966
Present condition of well Standing - ready to abandon

CASING RECORD

Casing Size O.D. Inches	Weight	Amount	Set At—	Sack of Cement and Additives	Amount Pulled
1. 9 5/8"	36.0		849.52	400 sacks + 2% CaCl ₂	None
2.					
3.					
4.					
5.					

PROPOSED ABANDONMENT PROGRAM

Plug		Geological Formation	Number of Sacks of Cement	Remarks
No.	Position			
1	7902-7850'		25 sacks	Do not feel for this plug.
2	6600-6500'		50 sacks + 2% CaCl ₂	Feel for in 8 hours.
3	5690-5470'		110 sacks + 2% CaCl ₂	Feel for in 8 hours.
4	900-800'		60 sacks + 2% CaCl ₂	Feel for in 8 hours.

The following logs have been run: Induction E-Log; Sonic Log; Micro Log; Dipmeter, Velocity, Survey
Other operations proposed: All operations required in accordance with the "Canada Oil and Gas Drilling and Production Regulations".

Operations to be carried out by Imperial Enterprises Ltd. Contractor Licence No. A24269
Address 11160 Jasper Avenue, Edmonton Address 500 - 6th Avenue S.W. Calgary

Responsible Agent in field Mr. A.L. LaBerge
Dated at Edmonton, this 15th Day of June 1966
Signed by *A.L. LaBerge* Company Imperial Oil Enterprises Ltd.
Title Division Production Manager Operator's Exploratory Licence No. 1019

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. A.R. Coad on the 9th June 1966

Dated 20th June 1966 (for) *A.R. Coad*
Oil Conservation Engineer

Forms to be submitted in triplicate to Oil Conservation Engineer, Calgary, Alberta

File No.....

Drilling Authority No.....



DEPARTMENT OF NORTHERN AFFAIRS AND NATIONAL RESOURCES
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. 232, concerning

IOE Martin House L-50-66-50-133-15
(Name and Number of Well)

The following amendments are required:

Revised Location

Lat. 66° 49' 42" N (66° 82833 N. Lat.)

Long. 133° 24' 03" W (133° 40083 W. Long.)

Reasons for the amendments:

Re-evaluation of location from photographs.

Dated at Edmonton, this 25 day of May, 19 66.

Signed by

P. L. A. Seize

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:

Date

31 May

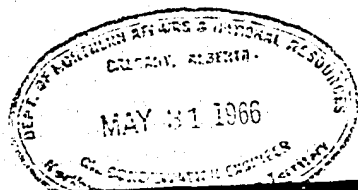
, 19

66

P. L. A. Seize
Oil Conservation Engineer

Forms to be submitted to the Oil Conservation Engineer, Calgary, Alberta.

NANR 52-90-3 (7-65)



MAY 27 1966 RECEIVED

Creek

133°25'

133°20'

IOE MARTIN HOUSE L-50-66-50-133-15

66°50'

PLOTTED FROM AIR PHOTO TAKEN APRIL 30, 1966.



50

66°49'

POSITION OF WELL

LATITUDE: 66°49'42" N

LONGITUDE: 133°24'03" W

MAY 21 1966 Received

THIS MAP IS A PORTION OF NAT. TOPO. SHEET 106K
ENLARGED TO 2" TO 1 MILE

TOP-MARTIN 11005 L-50-6650-133/5
DATE 30-1965 1200 A.S.L. 6"

N

K30
2-3



DEPARTMENT OF NORTHERN AFFAIRS AND NATIONAL RESOURCES
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 Martin House 150-66-50-133-15
Location: Unit L Section 50 Grid 66° 50' N 133° 15' W
Latitude 66° 19' 43" N Longitude 133° 24' 03" W
From Established Reference Marker Location from Seismic Control
on Government Map. Photos of rig to follow.

Elevation: Ground 273' K.B. feet above sea-level.
Well is expected to produce from Roaming formation at a depth
of about 8300' feet.
Area assigned to well.....
(for Oil Conservation Engineer's use only)

Permit No. 3600 Lease No. Acreage 50604
Permittee, licensee, or lessee Imperial Oil Enterprises Ltd.
Exploratory Licence No. 700
Surface owned by Crown YY
(If allocated 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	Brand	New or Used	Estimated Depth	Sacks of Cement
1. <u>9 5/8"</u>	<u>36.0</u>	<u>J-55</u>	<u>Seamless</u>	<u>New</u>	<u>0 - 830'</u>	<u>To surface</u>
2.						<u>as required</u>
3.						
4.						
5.						

Expected water, gas, and oil horizons and type of control equipment. Roaming Formation.
Double gate mechanical blow out preventor and hydril.

Well will be drilled with (Rotary) Rig No. 16 by Peter Bawden Drilling (1964) Ltd.
(Cable) (Drilling Contractor or company)

Responsible agent of applicant:— Contractor's Business Licence No. A10247
At well A. L. LaBerge At registered office J. S. Poyan 24269 1966-1967
Address 11160 - Jasper Ave. Edmonton Address 500 - 6 Ave. S.W., Calgary
It is understood that if changes become necessary, notice of the change of plan will be submitted.
Dated at Edmonton, this 17 day of March 1966
Signed by A. L. LaBerge Company Imperial Oil Enterprises Ltd.
Title Production Manager Operator's Licence No. 700

(For Resource Management Division use only)

APPROVED

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

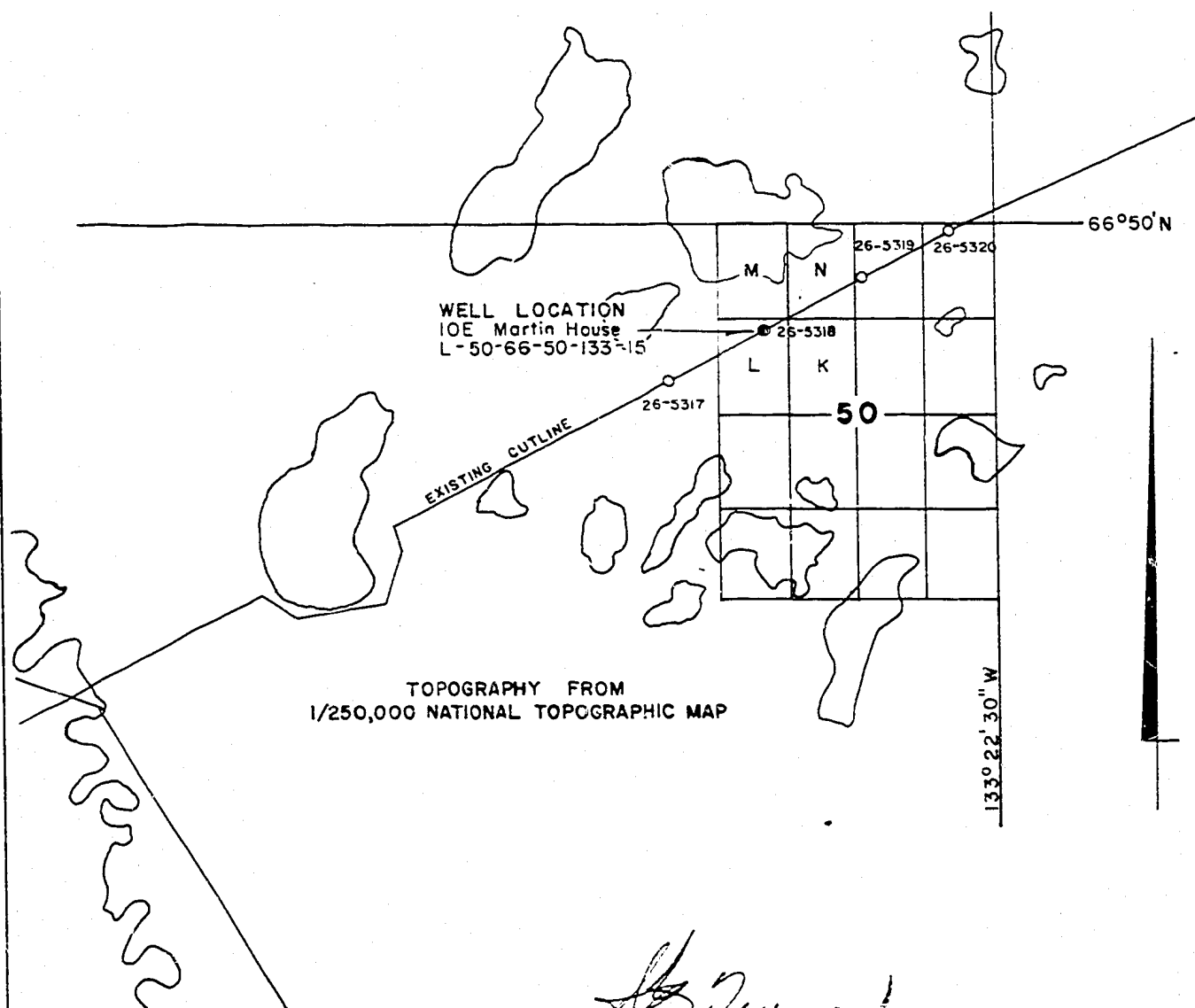
The Company will submit to this office, on Tuesday of each week,
the latest reports received by radio on the progress of the well.
Dated 22nd March 1966 B. S. Jones
Oil Conservation Engineer

Forms to be submitted to Oil Conservation Engineer, Calgary, Alberta.

SKETCH SHOWING
LOCATION OF WELLSITE

IOE Martin House
L-50-66-50-133-15

SCALE: 2" = 1 Mile



TOPOGRAPHY FROM
1/250,000 NATIONAL TOPOGRAPHIC MAP

A. S. Turnock
SURVEY SUPERVISOR A.L.S.



File No.....
Drilling Authority No. 232.....

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT

OIL AND MINERAL DIVISION

WELL-SITE INSPECTION REPORT

FROM: Field Office or Area: INUVIK Date: 10th July 1971

TO: The Oil Conservation Engineer:

RE: IOE MARTIN HOUSE L-50 66-50-133-15

Location: 66.82833° N., 133.40083° W. Status: D&A, June 1966

This location was inspected by the undersigned on 10th July 1971

The location is in satisfactory/unsatisfactory condition. TD 7900'

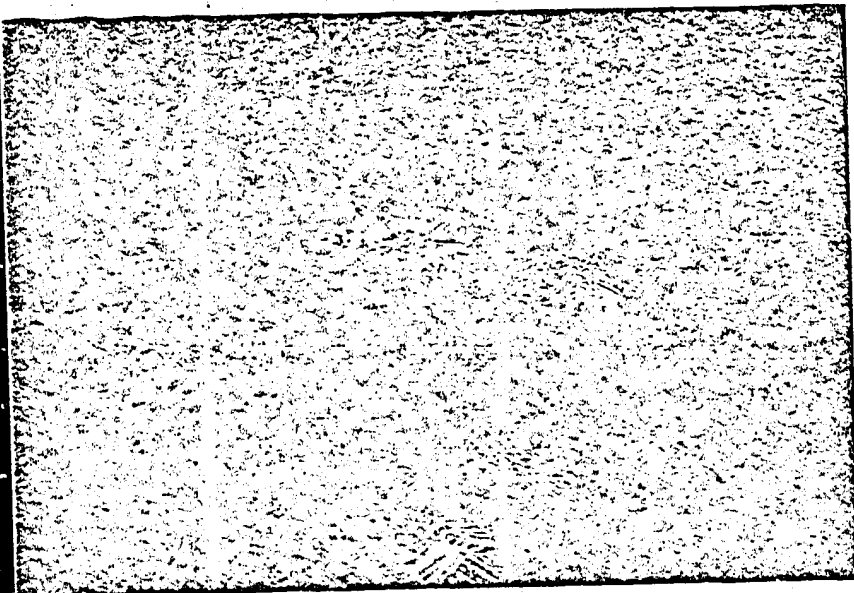
The following items require attention:

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

Other comments and recommendations: (Include Map, if necessary for clarity)

Wood piled.

Clean lease. No junk around.



Inspected by

M. D. Thomas

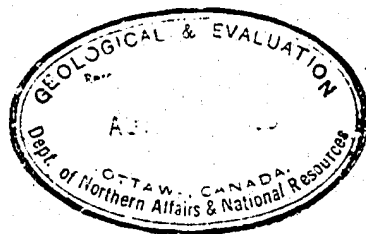
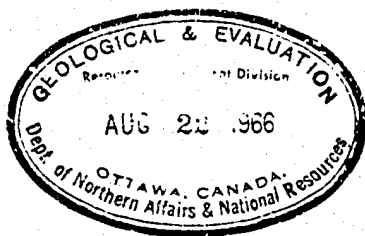
Original to Oil Conservation Engineer, Dept of IA & ND, Duplicate to Field Office or Inspecting Engineer.
IA ND 52-00-14 (9-60)

M. D. Thomas
District 2

N 66° 50' W 133° 15'

IOE Martin House L-50

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- o) Rig Release
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- c) Cementation Record
- d) Acidization and Fracuring Record
- e) Back Pressure and Production Tests

Company: Imperial Oil Enterprises Ltd.

Signed by: P. D. Stumpf

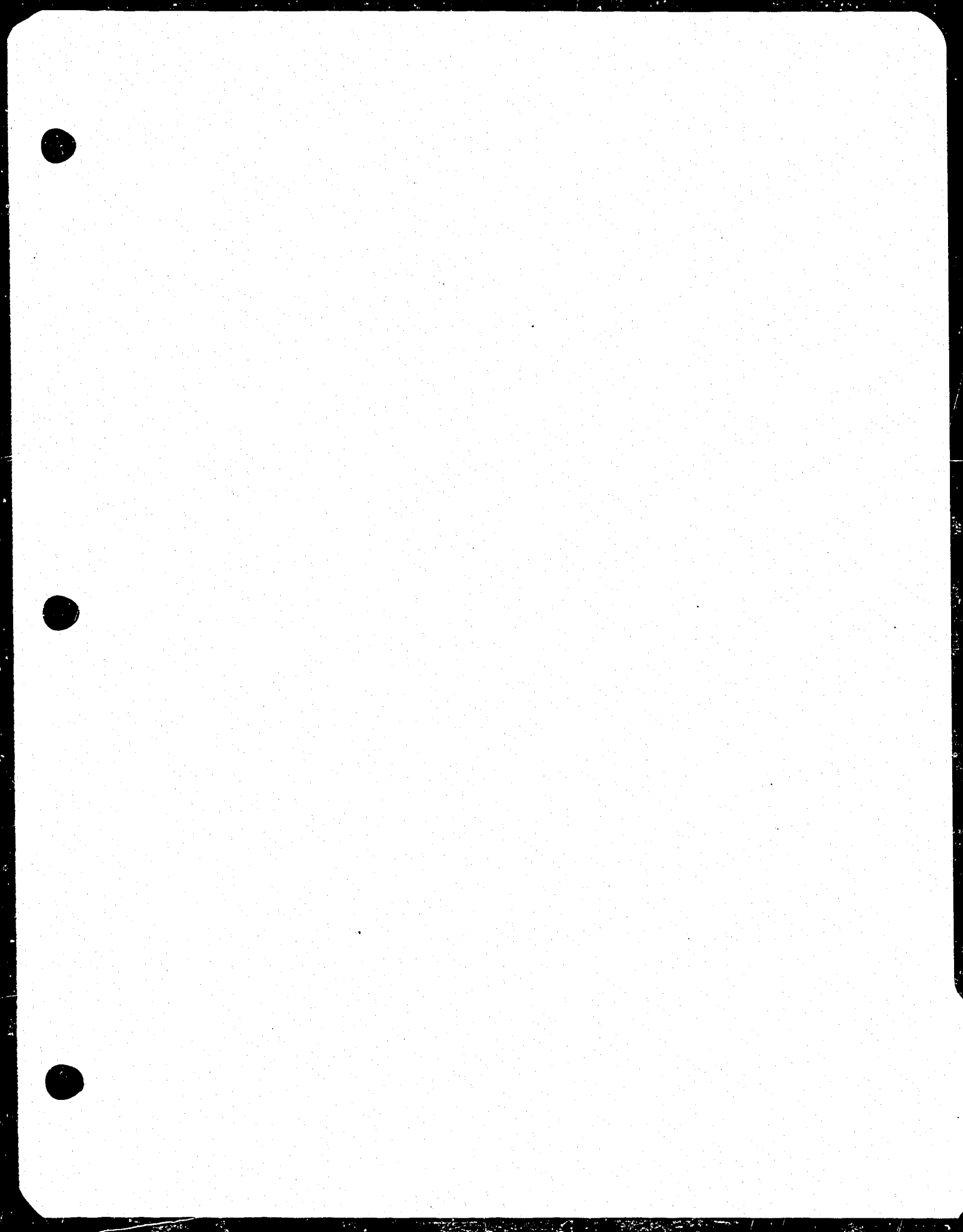
Title: Manager N.W.T. Exploration District

Date: July 8/66

SECTION I

SECTION I

- a) Well Name and Number - IOE Martin House L-50
- b) Permittee - Imperial Oil Enterprises Ltd.
- c) Operator - Imperial Oil Enterprises Ltd.,
11160 - Jasper Avenue,
Edmonton, Alberta.
- d) Location - L-50-66-50-133-15
66°49'42"N 133°24'03"W
- e) Co-ordinates - Not applicable
- f) Permit Number - 3600
- g) Drilling Contractor - Peter Bawden
- h) Drilling Authority - 232
- i) Classification - New Field Wildcat
- j) Elevations - Gr. 274.5 K.B. 288.7
- k) Spud - April 17th, 1966.
- l) Completed Drilling - June 7th, 1966.
- m) Total Depth - 7900'
- n) Well Status - Dry and Abandoned
- o) Rig Release - June 11th, 1966.
- p) Hole Size - 17½" to 73'
12¼" to 851'
7-7/8" to 7900'
- q) Casing - Ran 73' of 13-3/8" conductor casing 54.5 JS short C
8RD Rge 3 Stuart and Lloyds NKK. Casing landed at 73' K.B.
Cemented with 70 sacks of Foundu.
Ran 21 joints of 9-5/8" 36 J55 (S) Rge 3 8RD Mannesmann
casing landed at 849.52' K.B. Cemented with 400 sacks of
Portland cement plus 2.45% CaCl₂.



SECTION II - GEOLOGICAL SUMMARY

a) Formation Tops

<u>Formation</u>	<u>Sample</u>	<u>Log</u>
Cretaceous		70
Lower Cretaceous		70
Devonian		150
Imperial		150
Canol		4320
Hume	4460	4468
Bear Rock	4830	4818
Silurian - Ordovician		6550
Ronning	6540	6550

b) Cored Intervals

Core #1	4670-4720	Recovered 50'	Hume
Core #2	4860-4910	Recovered 50'	Bear Rock
Core #3	4915-4965	Recovered 50'	Bear Rock
Core #4	4965-4990	Recovered 25'	Bear Rock
Core #5	5524-5574	Recovered 50'	Bear Rock
Core #6	6330-6373	Recovered 27'	Bear Rock
Core #7	6410-6437	Recovered 27'	Bear Rock
Core #8	6556-6568	Recovered 12'	Ronning

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Core #6	6330-6373	Recovered 27'	Bear Rock
Core #7	6410-6437	Recovered 27'	Bear Rock
Core #8	6556-6568	Recovered 12'	Ronning

c) Core Description

Core #1 4670 to 4720 Recovered 50/50

4670-4704 Mudstone with scattered thin beds of fossiliferous limestone. Mudstone, light and dark grey, irregularly banded and in part with boudinage structure, calcareous with a fine grainy texture (possibly limestone recrystallization) and containing in varying amounts, skeletal material limestone - grey to grey/brown fossiliferous, argillaceous, skeletal micritic and in part calcite matrix, with abundant brachiopods - large and small, crinoids, ostracods. Trace of pellet - micritic limestone.

4704-4708 Interbedded skeletal micritic limestone, brown, argillaceous, finely granular from recrystallization - and grey calcareous mudstone as above.

4708 Brecciated appearance of core - which is interbedded mudstone and limestone as above.

4708-4710 Some strom fragments, some up to 2" to 3" in diameter, interbedded black bituminous and calcareous shale containing skeletal remains; blebs of calcite crystals; fragmental pieces of fossiliferous limestone; some coral fragments? Fragments of skeletal micritic limestone with infilled calcite crystals.

4710-4720 Mudstone and limestone, interbedded and fragmented and brecciated. Mudstone is light and dark grey, calcareous, skeletal remains. Limestone is brown, skeletal micritic; mudstone and limestone infilled with some black bituminous calcareous shale - also with sparry calcite which infills some fractures. In last two feet, the mudstone appears with some boudinage structure. Bottom of core ends in fossiliferous limestone as described before.

13, 16, 19, 15, 14, 14, 14, 14, 16, 14, 14, 13, 14, 16, 15, 14, 13,
13, 14, 13, 15, 13, 14, 15, 13, 14, 13, 14, 13, 13, 14, 12, 13, 12,
11, 11, 10, 10, 10, 13, 13, 12, 12, 12, 11, 12, 11, 12, 12, 13
mins per ft.

Core #2 4860-4910 Recovered 50/50

Interbedded micritic limestone and micritic skeletal with interbedded dark brown calcareous bituminous shale; minor amounts of pellet limestone, a few beds of very fossiliferous limestone - abundant brachiopods. Small amounts of argillaceous limestone at bottom of core. Skeletal micritic limestone - very fossiliferous with strom fragments, brachiopods, pellets cemented with clear calcite..

5, 8, 10, 14, 12, 13, 12, 11, 9, 10, 11, 11, 11, 12, 11, 12, 10, 7, 8, 9, 10, 10, 9, 9, 10, 10, 10, 9, 10, 10, 10, 9, 10, 9, 10, 10, 9, 9, 10, 9, 10, 10, 9, 9, 9, 10, 7, 7, 8, 9 mins per ft.

Core #3 4915-4965 Recovered 50/50

4915-4940 Limestone, micritic - pale brown, predominantly dense micritic, massive. Some very thin (1/16 inch) wavy shale partings; some stylolites. Irregular, small clear calcite cement patches common. Three by four inch patches of very argillaceous micrite occur throughout; they are somewhat darker in colour. In top part of interval two feet of cemented pellet limestone.

4940-4942 Limestone, micritic, very argillaceous, pale brown. Micritic limestone as above but considerably more argillaceous - vague boudinage structures.

4942-4952 Limestone, micritic, pale brown, massive. Pellet limestone though massive shows a microscopic bedding of pellets and cement rich layers.

4952-4959 Limestone as above interbedded with quarter inch thick shale beds or very argillaceous micrite beds. Also some vague boudinage structures adding to total shale content.

4959-4965 Cemented pellet limestone, pale brown, massive with one shale bed two inches thick.

8, 8, 10, 8, 8, 9, 9, 9, 8, 9, 9, 9, 8, 8, 9, 10, 8, 9, 8, 9, 8, 8, 7, 7, 7, 9, 8, 9, 9, 9, 9, 7, 8, 9, 9, 8, 8, 8, 8, 8, 8, 8, 8, 7, 8, 9, 9, 9, 7, 8, mins per ft.

Core #4 4965-4990 Recovered 25/25

Limestone, micritic and limestone cemented pellet. Pale brown. Massive in most of the core except in the interval 4971-4987 which have vague boudinage structures and is very argillaceous. Some of the micrite is very slightly dolomitic.

7, 6, 9, 9, 9, 11, 9, 8, 9, 9, 10, 9, 9, 9, 10, 11, 8, 10, 8, 9, 9, 8, 9, 9, 9, mins per ft.

Core #5 5524-5574 Recovered 50/50

5524-5528 Dolomite, brownish grey, massive, "brown sugary dolomite" tight, no bedding planes.

5528-5530 Dolomite, calcareous - pale brown, tight. Lighter in colour than above and all microcrystalline.

5530-5540 Micritic limestone and micritic pellet limestone pale brown. Two rock types. Almost homogeneously intermixed. Sub-horizontal wavy shale stringers 1/8 to 1/4 inch common. Ostracods common on some bedding planes.

5540-5553 Dolomite, slightly calcareous - brownish grey, massive microcrystalline. A few 1/4 to 1/2 inch vugs completely filled with which calcite. Only a few very thin streaks of medium grey shale (total under 6 inches). Bottom 2 feet more calcareous than upper part of interval; also has some mottling which may represent undetermined relict structures. A few thin, long, almost vertical calcite veins 1/8" thick.

5553-5556 Dolomite - dark brownish grey, less calcareous, darker in colour. Also has thin vertical veins.

5566-5574 Dolomite as interval 5540-5553

4, 5, 7, 8, 10, 9, 9, 11, 11, 11, 10, 9, 9, 9, 8, 9, 8, 5, 7, 7, 9, 9, 9, 9, 11, 5, 7, 7, 5, 6, 7, 8, 9, 7, 8, 6, 7, 8, 6, 9, 8, 9, 9, 10, 10, 9, 9, 9, 9, mins per ft.

Core #6 6330-6373 Recovered 27/43

Dolomite - pale brown to brownish grey; small part pale yellow brown; vaguely bedded with subhorizontal shaly streaks; the light part of the core is mottled with white calcite cement patches. This core is badly fractured horizontally and vertically. No definite relict textures. In part the core looks like a dolomitised chalky micrite. Only the top foot has very scattered pin point intercrystalline porosity (2%).

4, 8, 7, 11, 11, 12, 9, 8, 10, 5, 7, 7, 5, 5, 3, 4, 5, 5, 7, 5, 6, 7, 6, 6, 6, 7, 7, 7, 6, 5, 7, 5, 5, 15, 10, 10, 10, 8, 10, 10, 10, 18, 9 mins per ft. Jammed off.

Core #7 6410-6437 Recovered 27/27

6410-6412 Dolomite - brown grey, average crystal size .08.

6412-6421 Dolomite - brown grey and pale brown. The two colours alternate in 1 MM layers in part of the interval. Elsewhere they are more massively developed or patchy. Colour changes due to a trace of argillaceous material. A few scattered brachiopods. Core fractured with vertical or near vertical fractures predominant.

6421-6430 Dolomite - 40% pale brown, trace of argillaceous and 60% brown grey, very argillaceous, sometimes grading to shale. Well bedded, alternating pale brown and brown grey in horizontal beds from a fraction of one inch to one inch thick. Bedding planes often have a 1/16 inch thick crust of dull black shale. The lighter dolomite might be a dolomitised pellet limestone. 6430-6437 Dolomite - pale brown, massive, slightly blotchy colouring, white dolomite cement patches up to 1 inch. Trace of white dolomite veins; stylolites common; brachiopods and crinoids common. Average crystal .03 to .04

12, 10, 11, 9, 9, 9, 10, 13, 12, 10, 10, 13, 15, 13, 14, 14, 13, 12, 16, 21, 16, 15, 18, 18, 15, 27 mins per ft. Jammed.

Core #8 6556-6568 Recovered 12/12

Dolomite, argillaceous to very argillaceous with a net of three feet of shale interbeds. Colours range from dark brown grey to pale yellow brown. Shale is present in two one foot beds. The balance in once inch to paper thin often contorted interbeds. Only a one foot section (3 feet below top) is clean dolomite, could be a dolomitised algal limestone. The lightest coloured part of the core looks very clean and dense but is suprisingly very argillaceous. Somewhat greater than average concentrations of clay material give these dense bottom four feet a banded appearance. Pyrite in single crystals and small patches is common in the dolomite and the shale. The thin shale stringers are often lined on one side with pyrite crystal. Vertical veins with white dolomite very quiet depositional environment, mostly anoerobic at times, perhaps some effort for algal growth.

8, 14, 15, 16, 23, 34, 21, 20, 23, 33, 35, 32 mins per ft.

LOGGED BY: BrausekerDATE: May 1966UNIT: Imperial Form.LOCAL
NAME

INTERVAL	QUALITY	%	ROCK NAME	WE T COLOR DRY	REMARKS SEDIMENTARY STRUCTURES, DIAGENESIS, ENVIRONMENT, FRACTURES, ETC.	POR TYPE
0-40			sand	buff	unconsolidated, well rounded to subrounded poorly sorted, various types of rock fragments pink quartz common	
40-70			no samples			
70-	F	100	shale	med	dark grey to dark grey samples still contain a large amount of quartz and of rock fragments One specimen of <i>Cibicides</i> sample 60'-70'	
90-	F	100	shale, very silty, scattered glauconite	med	dark grey Rock fragments still common including gneiss and schists, quartzite	
110-	G	100	shale, very silty, scattered glauconite	med	dark grey shale as above but with very few rock fragments	
120-	G	90	shale as above			
		10	siltstone	white	trace glauconitic, scattered pyrite	
130-	G	100	siltstone, slightly glauconitic	white	in part very fine sandstone	
150-	G	100	shale, silty	med. dark grey	micromaceous trace glauconite	
160-	G	80	shale	med	dark grey interbedded with	
		20	siltstone	white		
190-	G	100	siltstone, very arg	dis	brownish grey	

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LOCAL
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INTERVAL	QUALITY	%	ROCK NAME	COLOR		REMARKS SEDIMENTARY STRUCTURES, DIAGENESIS, ENVIRONMENT, FRACTURES, ETC.	TYPE	PORO
				☐ WET	☐ DRY			
200-	G	50	shale	med	dark grey	micromaceous, interbedded with		
		50	siltstone	white				
210-	G	80	shale as above			interbedded with		
		20	siltstone as above					
230-	G	100	shale	med	dark grey	slightly silty in part		
260-	G	100	shale, silty	dark grey		silt scattered in shale		
270-	G	100	shale	dark grey		A few coarse scattered, rounded quartz grains embedded in the shale		
290-	P	100	shale as above?			large influx of surface material and also of glauconitic siltstone and shale samples very poor to useless. Hole washed out badly and pipe was stuck in the hole intermittently for 48 hrs		
370-	P	100	sandstone?	buff to white		still very poor samples as above. note above still applies to this interval.		
390-	P		cavings			samples full of up hole material, hole sloughing badly. pipe stuck intermittently down to drill depth 500'		
410-	P		shale?	med grey		see note above		
420-	G		shale	med	grey			
440-	P		cavings			see above		
		100	Interpreted shale					
470-	P		Cavings only			see above		
500-	G	100	shale	med	grey			
580-	G	90	shale as above	med	grey			
		10	siltstone	white		interbedded with the shale		

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INTERVAL	QUALITY	%	ROCK NAME	WET COLOR		REMARKS SEDIMENTARY STRUCTURES, DIAGENESIS, ENVIRONMENT, FRACTURES, ETC.	PC TYPE
				DRY			
620-	G	80	shale as above	med	grey		
		20	siltstone	white		some quartz cill present in shale but most of the silt forms clean interbeds	
710-	G	100	shale as above	med	grey		
730-	G	80	shale as above	med	grey		
		20	siltstone	white		actually a border line siltstone - very fine sand	
760-	G	100	shale	med	grey		
		Er	arg siltstone				
780-	F	100	sandstone, arg	light grey		poorly sorted, frosted, rounded grains	
790-	G	100	shale	med	grey		
800-	G	70	shale	med	grey	interbedded with	
		30	siltstone	light grey		partly very fine sandstone with a few medium sized grains	
860-	G	90	shale	med	grey	interbedded with. Truly disseminated pyrite	
		10	siltstone	light grey		tight	
940-	G	80	shale	med	grey	micromassaceous, interbedded with	
		20	siltstone	light grey		partly very fine sandstone containing micaceous, black carbonaceous matter	
960-	G	80	shale	med	grey		
		20	siltstone slightly arg	light grey			
1010-	G	90	shale	med	grey		
		10	siltstone + sandstone	light grey			
1040-	G	90	shale	med	grey		
		10	siltstone	light grey			
1060	G	70	shale	med	grey		
		30	siltstone	light grey			

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INTERVAL	QUALITY	%	ROCK NAME	☐ WET	REMARKS SEDIMENTARY STRUCTURES, DIAGENESIS, ENVIRONMENT, FRACTURES, ETC.	PO TYPE
				☒ DRY		
1070-	G	50	shale	med grey		
		50	siltstone partly sand	light grey	as most siltstones before many grains are border line between silt and very fine sand but here at least 25% is definitely sand-size but still tight	
1090-	G	80	siltstone as above			
		20	shale as above			
1110-	G	70	shale as above			
		30	siltstone as above			
1150-	G	70	siltstone as above			
		30	shale as above			
1160-	G	80	shale as above			
		20	siltstone as above			
1170-	G	70	siltstone as above			
		30	shale as above			
1200-	G	80	siltstone as above			
		20	shale as above			
1280	G	70	siltstone as above			
		30	shale as above			
1310	G	50	siltstone	light grey	slightly better sorted, very few sand-sized grains, median size still a border between silt and very fine sand	
		50	shale	med grey		
1360	G	70	shale as above			
		30	siltstone as above			
1390	G	90	shale as above			
		10	siltstone as above			

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INTERVAL	QUALITY	%	ROCK NAME	WET	REMARKS SEDIMENTARY STRUCTURES, DIAGENESIS, ENVIRONMENT, FRACTURES, ETC.	
				COLOR DRY		
1420-	G	60	shale	med. grey		
		40	siltstone	light grey, light. some brown mica, brown pyrite		
1440-	G	90	shale as above			
		10	siltstone as above			
1470-	G	70	shale as above			
		30	siltstone as above			
1490-	G	90	shale as above			
		10	siltstone as above			
1540-	G	100	shale as above			
1580-	G	80	shale as above			
		20	siltstone as above			
1590-	G	100	shale as above			
1680-	G	90	shale as above			
		10	siltstone as above			
1700-	G	100	shale as above		very thin bedded	
1860-	G	90	shale as above			
		10	siltstone as above			
1900-	G	60	shale as above			
		40	siltstone as above			
1950-	G	80	shale as above			
		20	siltstone as above			
2000-	G	90	shale as above			
		10	siltstone as above			
2020-	G	70	shale as above			
		30	siltstone as above			
2090-	G	50	shale as above			
		50	siltstone as above			

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INTERVAL	QUALITY	%	ROCK NAME	WET COLOR DRY	REMARKS SEDIMENTARY STRUCTURES, DIAGENESIS, ENVIRONMENT, FRACTURES, ETC.	
2120-	G	80	siltstone	light gray	A small part of the qtz grains falls in the very fine sand range. Section continues to be monotonous interbeds of shale and varying amounts of siltstone. Siltstone always contains some brown mica, a few light green grains but never enough to show in the litho percentage log.	
		20	shale	med gray		
2160-	G	60	shale as above			
		40	siltstone as above			
2220-	G	80	shale as above			
		20	siltstone as above		Only a trace of sand sized grains	
2290-	G	100	shale as above			
2310-	G	90	shale as above			
		10	siltstone as above			
2370-	G	70	shale as above			
		30	siltstone as above			
2390	G	90	shale as above			
		10	siltstone as above			
		tr	ferruginous shale	brown		
2440-	G	80	shale as above			
		20	siltstone as above			
		tr	ferruginous shale	brown		
2460-	G	70	shale as above			
		30	siltstone as above			
2510-	G	50	shale as above			
		50	siltstone as above			
2520-	G	70	siltstone as above			
		30	shale as above			

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INTERVAL	QUALITY	%	ROCK NAME	WET COLOR DRY	REMARKS SEDIMENTARY STRUCTURES, DIAGENESIS, ENVIRONMENT, FRACTURES, ETC.	PORO	TYPE
2540-	G	50	shale	med grey			
		50	siltstone	light grey	contains some black grains and thin veins		
2600-	G	70	shale as above				
		30	siltstone as above				
2640-	G	80	shale as above				
		20	siltstone				
2660-	G	40	shale as above				
		60	siltstone as above				
2750-	G	80	siltstone as above				
		20	shale as above				
2740-	G	90	shale as above				
		10	siltstone as above				
2810-	G	50	shale as above				
		50	siltstone as above				
2840-	G	70	shale as above				
		30	siltstone as above				
2910-	G	90	shale as above				
		10	siltstone as above				
2960-	G	80	shale as above				
		20	siltstone as above				
3010-	G	100	shale as above				
3080-	G	90	shale as above				
		10	siltstone as above				
		5r	sideritic shale				
3120-	G	100	shale as above				
3130-	G	70	shale	med grey and med dark grey			
		30	siltstone				
3140-	G	100	shale	more med dark grey small part med grey			

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INTERVAL	QUALITY	%	ROCK NAME	WET COLOR DRY	REMARKS SEDIMENTARY STRUCTURES, DIAGENESIS, ENVIRONMENT, FRACTURES, ETC.	POR	TYPE
3150-	G	70	siltstone		light gray grain size across silt - very fine sand boundary, light small amount brown mic, light green grains, black grains		
		30	shale		med gray and med dark gray		
3190-	G	60	shale		mostly med dark gray, small part med gray		
		40	siltstone		light gray, essentially as above but slightly finer		
3210-	G	80	shale as above				
		20	siltstone as above				
3220-	G	60	shale as above				
		40	siltstone as above				
3290-	G	80	shale as above				
		20	siltstone as above				
3320-	G	90	shale as above				
		10	siltstone as above				
3350-	G	100	shale		med dark gray to dark gray traces of chert in at 3360, 3410		
3460-	G	40	shale		med gray to med dk gray		
		60	siltstone as above				
3490-	G	80	siltstone as above				
		20	shale as above		med gray to medium dark gray		
3560-	G	50	siltstone as above				
		50	shale as above				
3580-	G	80	shale		med gray		
		20	siltstone as above				
3620-	G	60	shale as above				
		40	siltstone as above				
3660-	G	70	shale as above				
		30	siltstone as above				

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INTERVAL	QUALITY	%	ROCK NAME	COLOR	REMARKS SEDIMENTARY STRUCTURES, DIAGENESIS, ENVIRONMENT, FRACTURES, ETC.	PORO	
						TYPE	
3690-	G	50	shale	med grey	to med dark grey		
		50	siltstone as above	light grey			
3710-	G	80	siltstone as above				
		20	shale as above				
3720-	G	70	shale as above				
		30	siltstone as above				
3730-	G	90	shale as above				
		10	siltstone as above				
3770-	G	70	shale as above				
		30	siltstone as above	light grey	with a slightly brownish hue, some what dirty looking siltstone, grains well within std size range		
3830-	G	90	shale	med dark grey			
		10	siltstone, dirty as above				
3870-	G	70	shale as above				
		30	siltstone as above				
3930-	G	80	shale as above				
		20	siltstone as above				
3950-	G	90	shale as above				
		10	siltstone as above				
3980-	G	70	shale as above				
		30	siltstone, argillaceous brown	grey	In contrast with siltstones this one is very dirty brownish		
4010-	G	100	shale	med dark			
4030-	G	60	shale as above				
		40	siltstone argillaceous as	480	This dirty siltstone also shows down doubling for 4 min / ft to 6 min / ft		
4070-	G	90	shale as above				
		10	silt arg as above				

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INTERVAL	QUALITY	%	ROCK NAME	COLOR	REMARKS SEDIMENTARY STRUCTURES, DIAGENESIS, ENVIRONMENT, FRACTURES, ETC.	POR
4100-	G	80	shale	med dark grey		
		20	siltst. arg. as above	brownish grey		
4140-	G	60	shale as above			
		40	siltst. arg. as above			
4180-	G	90	shale as above			
		10	siltst. arg. as above			
4210-	G	100	shale	dark grey	This shale is markedly darker than those above, also harder and slightly bituminous, trace of pyrite	
4260-	G	90	shale as above @ 4210			
		10	siltstone	brownish grey; slightly pyritic	seems to occur as stringers in the dark shale	
4300-	F	100	shale as above			
4460	P	10	limestone, micritic	buff	Top of Thema. Trace Trilobites Ginnia	
		90	shale	med grey	This shale is decidedly lighter than those above, the chips are rounder not as jagged and angular as the Here Indian shale. It still contains an abundance of Here Indian corals.	
4490	F	20	limestone micritic	buff to pink	yellow brown. Mostly dense, impure with trace of argillaceous material, etc. etc. etc. One small Ginkgo, still fragments very rare.	
		80	shale	med grey	as above	

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INTERVAL	QUALITY	%	ROCK NAME	WET COLOR DRY	REMARKS SEDIMENTARY STRUCTURES, DIAGENESIS, ENVIRONMENT, FRACTURES, ETC.	PC TYPE
4510-	F	40	limestone micritic	buff	top slightly yellow brown; brownish grey in small part darker chips are slightly argillaceous; a trace of fragments of thin shelled fossils; some chips slightly dolomitic. a few Brach. fragments	
		60	shale	med. gray	with slight greenish tinge samples continue to carry a fair percentage of fine Indian shale. This shale must mentally be eliminated from sample before limestone-shale ratio can be estimated these figures should be taken with a grain of salt.	
4560-	F	60	limestone micritic as above		50% dense 50% cherty in upper 30 ft lower part of interval essentially dense	
		40	shale as above			
4640-	G	100	limestone micritic	buff	cherty and pale yellow brown dense some thin shell fragments, a few Brachs and some algal spheres all together at best 2% of rock volume Some of the darker chips are very argillaceous	
4670-		4730	core # 1		Interbedded mudstone and limestone 70% mudstone dk-dk grey in irregular bands and in part brecciation calcareous fine granular texture (possibly limestone recrystallization) containing in varying amounts skeletal material 10% limestone gr-gr/br argillaceous, in part brown fossiliferous skeletal micritic, in part calcite matrix with abundant large & small brachiopods, crinoids, ostracods trace of bellerophon - micritic	
4704		80	mudstone gr		core appears brecciated with fragmental pieces of argill. mudstone	
4704	TO	20	skel - micritic limestone		dk br/br gr fossiliferous limestone, skel micritic	
4730			limestone argillaceous limestone gr		some brown fragments - up to 2 1/2 inch and interbedded mudstone limestones above minor amount of black calcareous, bituminous shale containing skeletal remains some minor fracturing with calcite in fillings last 2 ft contains brecciation	

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INTERVAL	QUALITY	%	ROCK NAME	COLOR		REMARKS SEDIMENTARY STRUCTURES, DIAGENESIS, ENVIRONMENT, FRACTURES, ETC.	PO TYPE
				☐ WET	☒ DRY		
4720-	G	100	micrite, partly argillaceous	pale		yellow brown to pale brown weather buff in small part distribution of argillaceous material in some chips suggests banding or structure 1-2% skeletal grains, i.e. thin shell fragments traces of dolomitization in some chips a few Brach fragments	
4760-	G	90	micrite as above				
		10	shale, slightly calc	med		light grey	
4770-	G	60	shale as above				
		40	micrite as above			algae spheres	
4780-	G	20	micrite as above				
		80	shale, slightly calcareous			above	
4820	G	90	micrite	buff in		all part mostly pale yellow brown to pale brown; contains small patches clear calc. cement	
		10	pellet ls and vague pellet ls (percentage estimate deliberately high)	pale		yellow brown	
						4820 top of Bear Rock	
4860-		49	10 core # 2 recovery 50/50			see core description by W.M.	
			Interbedded micritic limestone & micritic skeletal with interbedded dark brown calcareous bituminous shale, minor amounts of pellet limestone a few beds of very fossiliferous limestone - abundant brachiopods. Small amounts of argillaceous limestone at bottom of core skeletal micritic limestone - very fossiliferous with strong fragments brachiopods pellets cemented with clear calcite				

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INTERVAL	QUALITY	%	ROCK NAME	☐ WET COLOR ☐ DRY	REMARKS SEDIMENTARY STRUCTURES, DIAGENESIS, ENVIRONMENT, FRACTURES, ETC.	
Core #3			4915-4965		see pg 50/50	
					Not all colours are those seen under the microscope using a clear light bulb	
4915-4940			limestone, micritic	pale brown	predominantly dense micritic, massive. Some very thin (1/16 inch) wavy shalings; some stylolites. Irregular small, clear calcite cement patches common.	
					Interbedded by four inch patches of very argillaceous micrite occur throughout; they are somewhat darker in colour.	
					In top part of interval two feet of cemented pellet limestone	
4940-4942			limestone, micritic very argillaceous	pale brown	micritic limestone as above but considerably more argillaceous. vague bounding structures	
4942-4952			limestone, micritic, interbedded with pellet micritic ls and cemented pellet ls.	pale brown	massive. Pellet ls though massive shows a microscopic bedding of pellets and cement rich layers	
4952-4959			limestones as above		interbedded with quarter inch thick shale beds or very argillaceous micrite beds; also some vague bounding structures adding to total shale content	
					<u>Q of sh?</u>	
4954-4965			cemented pellet ls	pale brown	massive with one shale bed two inches thick	

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INTERVAL	QUALITY	%	ROCK NAME	COLOR	REMARKS SEDIMENTARY STRUCTURES, DIAGENESIS, ENVIRONMENT, FRACTURES, ETC.	TYPE
core #4			4965-4990		recovery 25/25	
4965-4990			limestone micritic and limestone cemented pitted	pale brown	massive in most of the core except in the interval 4978-4987 which has vague bedding structures and is very argillaceous. Some of the micrite is very slightly dolomitic	
Cuthings:						
4990-	G	80	micrite	pale brown to pale yellow brown	dense	
		10	cemented pitted ls	pale brown		
		10	very argillaceous micrite	brownish grey		
5040-	G	70	micrite	buff to pale yellow brown	dense	
		10	cemented pitted ls	pale brown		
		10	very arg micrite	brownish grey		
		10	dolomite	buff to pale yellow brown		
5060-	G	100	micrite	pale yellow brown	dense	
					Int. traces of pitted ls and arg micrite	
					chips show partial dolomitization	
5090-	G	90	micrite	pale yellow brown	to pale brown, dense	
		10	dolomite	buff to pale yellow brown	Partly in chips of micrite	
					beginning dolomitization	
			tr pitted limestone			
5110-	G	100	micrite	buff to pale yellow brown	dense, overall	
					lighter than above	

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INTERVAL	QUALITY	%	ROCK NAME	COLOR		REMARKS SEDIMENTARY STRUCTURES, DIAGENESIS, ENVIRONMENT, FRACTURES, ETC.	FO TYPE
				☐ WET	☒ DRY		
5150-	G	90	micrite	buff		to pale brown dense	
		10	dolomite	pale		yellow brown. Partly in chips of 100% dol. partly as scattered dol. crystals in micrite	
5180-	G	100	micrite	buff		to pale brown, dense, trace dolomitic	
	Et		pellet ls.				
5210-	G	100	micrite	mostly buff		small part pale yellow brown Traces of small patches calcite cement	
5240-	G	100	micrite	pale		yellow brown; small part buff	
	Et		pellet ls.				
5340-	G	90	micrite slightly dolomitic	buff		pale yellow brown, pale brown, dense	
		10	pellet ls, cemented	pale		brown	
5370-	G	100	micrite, dolomitic	buff		to pale brown as above. Some chips are 100% micrite, some show incipient dolomitization, a few are 100% dolomite	
5390-	G	100	micrite	buff		to light tan only traces of dolomitization	
5460-	G	100	dolomite, slightly micritic	buff		to pale brown	
5470-	G	70	micrite as above				
		30	dolomite as above				
5480-	G	90	micrite, trace dolomitic	buff		to light tan, dense	
		10	pellet ls	pale		brown	
5520- 5524		100	dolomite	pale		yellow brown; circulated sample for @ 5424. "brown sugary dol." with of intergranular porosity	

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INTERVAL	QUALITY	%	ROCK NAME	☐ WET COLOR ☐ DRY	REMARKS SEDIMENTARY STRUCTURES, DIAGENESIS, ENVIRONMENT, FRACTURES, ETC.	PO	TYPE
Core # 5			5524-5524		rec. very 50/50		
5524-28		100	dolomite		brownish grey, massive, "brown sugary" to light no bedding planes		
5528-30		100	dolomite, calcareous		pale brown, light. Lighter in colour than above and all microcrystalline		
5530-40		100	micritic ls. and micritic potted ls.		pale brown Two rock types almost homogeneously intermixed. Subhorizontal wavy shale stringers 1/8-1/4 inch common. Ostrea common on some bedding planes		
5540-53		100	dolomite, slightly calcareous		brownish grey, massive, microcrystalline a few 1/4-1/2 inch vugs completely filled with white calcite. Only a few very thin beds of medium grey shale (total under 6 inches). Bottom two feet more calcareous than upper part of interval, also has some mottling which may represent indeterminate rock structures.		
					thin, long, almost vertical calcite veins 1/8" thick		
5553-66		100	dolomite		dark brownish grey, less calcareous, dark brown in colour. Also has thin vertical veins.		
5566-74		100	dolomite as interval		55-10-53		

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INTERVAL	QUALITY	%	ROCK NAME	WET COLOR DRY	REMARKS SEDIMENTARY STRUCTURES, DIAGENESIS, ENVIRONMENT, FRACTURES, ETC.	PO TYPE
5574-	F	100	micrite	buff to	to brown dense	
5580-	G	100	dolomite	pale yellow	brown to pale brown "brown eyes" in to red fine print intercrystalline por no effective porosity. diathesis top of core is	
5600-	G	100	micrite, very dolomitic	buff to pale brown	some chips are almost completely dolomitized	
5630-	G	100	dolomite	pale yellow brown	slightly larger crystalline than 580-5600; measurable porosity; grade 2 min / ft from 5633-5632	
5640-	G	100	micrite, very dolomitic	as	wd 5600-5630	
5660-	G	100	micrite, dolomitic	buff cherty and pale yellow brown to pale brown dense; chips in varying stages of dolomitization		
5690-	G	100	dolomite, very calc.	pale yellow brown to pale brown		
5760-	G	100	dolomite	brown grey; tight and hard, slow drilling 10 min / ft. Trace of white calcite veining		
5770-	G	80	dolomite, very calc.	buff, pale yellow brown, pale brown		
		20	dolomite	brown grey; as above @ 5760		
5830-	G	60	dolomite	brown grey and pale brown, microcrystalline, tight trace of white calcite veining		
		40	dolomite, very calc. (dolomitized micrite)	mostly buff; small part pale yellow brown		
5860-	G	100	dolomite	dark brown; tight and hard; some white calcite veining		

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INTERVAL	QUALITY	%	ROCK NAME	WET COLOR DRY	REMARKS SEDIMENTARY STRUCTURES, DIAGENESIS, ENVIRONMENT, FRACTURES, ETC.	
5930-	F	50	dolomite as above	dark brown		
		40	dolomite, very- calcareous	pale brown to pale yellow brown		
		10	micrite	pale yellow brown, dense		
5940-	G	50	micrite	pale yellow brown, dense; small pore buff		
		40	dolomite and calcareous dol.	pale yellow brown to pale brown		
		10	shale	light greenish grey, pyritic		
6020-	F	80	micrite as above			
		20	dolomite as above			
6080-	G	90	micrite	pale yellow brown; small pore buff, dense		
		10	dolomite	brownish grey		
6090-	G	60	micrite as above			
		40	slightly dolomitized micrite grading through	pale brown to brownish grey all stages to completely dolomitized micrite		
6130-	G	90	micrite as above			
		10	dolomite	brownish grey		
6140-	G	90	dolomite, slightly calcareous	pale yellow brown, pale brown, brownish grey crystal size decreasing with colour intensification		
		10	micrite	pale yellow brown		
6180-	G	100	dolomite, slightly calcareous as above	air 62 230	of intercrystalline porosity between crystals	
6230-	G	100	dolomite	pale yellow brown, very even coloured and dense; trace of white calcite veins		
6240	G	100	dolomite	pale yellow brown to pale brown, dense, trace of white calcite vein falling		

INTERVAL	QUALITY	%	ROCK NAME	☐ WET ☒ DRY COLOR		REMARKS SEDIMENTARY STRUCTURES, DIAGENESIS, ENVIRONMENT, FRACTURES, ETC.	PO	TYPE
6260-	G	100	dolomite	pale	yellow brown; texture of yellow sugar; crystals discrete, not as much interfingering as in the dark dolomites above			
6320	G	100	dolomite	pale	yellow brown, texture as above; average crystal size barely across the 0.6 dividing line, fair intercrystalline porosity			
core # 6								
6330-		63	73 core # 6 recovery 27' / 43					
		100	dolomite	pale	brown to brownish gray; small port pale yellow brown; vaguely bedded with subhorizontal shaly streaks; the light part of the core is mottled with white calcite cement patches. The core is badly fractured horizontally so that it is difficult to define relic textures. The core looks like a dolomitized chert. Only the top foot has very scattered pin point, intercrystalline porosity (2%)			
cuttings								
6373-		100	dolomite	pale	yellow brown to pale brown; "sugary", brown of white calcite veins; scattered porosity			
core # 7								
6410-								
6412			dolomite	brown	average crystal size as			
6412-			dolomite	brown	and pale brown. The two colors alternate in 1 mm layers in part of the interval where they are more massively developed or patchy. Colour changes due to a trace of anhydrous material. A few scattered pores. Core fractured with vertical or near vertical fractures predominant			
6421								

INTERVAL	QUALITY	%	ROCK NAME	COLOR		REMARKS SEDIMENTARY STRUCTURES, DIAGENESIS, ENVIRONMENT, FRACTURES, ETC.	TYPE
				☐ WET	☐ DRY		
Core #7 continued 6421 - 6430		100	dolomite	45% pale brown	55% brown	trace argillaceous and very argillaceous, sometimes grad- edded, alternating pale brown and grey in horizontal beds from a fine scale of one inch to one inch thick bedding planes often have a 1/16 inch thick crust of dull black shale The lighter dolomite might be a dolomitic petrified limestone	
6430 - 6437		100	dolomite	pale brown		massive, slightly blotchy coloring white dolomite cement patches up to one inch, trace of white dolomite veins; stylolites common; Brachiopods and Crinoids common. Average crystal .03-.04	
6437 -	F	100	dolomite	pale yellow brown and pale brown		small part brown grey argillaceous Most chips are light, some have good under- granular porosity	I
6460 -	F	100	dolomite	essentially as above but more porous		and pale brown	I
6470 -	G	100	dolomite	pale yellow brown, essentially light,		and crystals interlocking; partly "sugary"	
6500 -	G	100	dolomite	pale brown only, generally sugary;		fair intercrystalline porosity in chips with crystal size $\pm .06$; poor pin point when crystal size is around .04	I

LOGGED BY: J. Bruseker

DATE: May 1966

UNIT: Bear Rock / Bald Ridge 100
NAM

INTERVAL	QUALITY	%	ROCK NAME	WET COLOR		REMARKS SEDIMENTARY STRUCTURES, DIAGENESIS, ENVIRONMENT, FRACTURES, ETC.	POR TYPE
				DRY			
6530-	G	100	dolomite	pale	brown	sugary dolomite with good intercrystalline porosity, average conc. of	T
6540- 6556	P		most of sample 6550 and circulation sample 6556 is still dolomite as above; a small fraction of new material extrapolated to 100%				
		100	dolomite, argillaceous med grey;			very dense and hard, with scattered fine pyrite 6540 top of Bald Ridge	
8			6556-6568 recovery 12/12 dolomite, argillaceous; very argillaceous with a net of three feet of shale interbeds. Colours range from dark brown grey to pale yellowish brown. Shale is present in two one foot beds, the balance is one inch to paper thin, often continuous interbeds. Only a one foot section (3 ft below top) is clear dolomite could be a dolomitized limestone. The lightest coloured part of the core looks very clean and dense but is surprisingly very argillaceous. Somewhat greater than average concentration of clay material give these dense bottom four feet a banded appearance. Pyrite in single crystals and small patches is common in the dolomite and the shale. The thin shale stringers are often lined on one side with pyrite crystal. Vertical vein with very quiet depositional environment, mostly anaerobic at times perhaps some effort for algal growth				
6570-	G	100	dolomite, argillaceous and slightly calcareous	light buff grey;		trace of pyrite this is a typical chert look - crystalline amorphous Change in colour, colour is the most outstanding difference between Bear Rock and Bald Ridge. In addition the B.	

22

LOGGED BY: J. Bruseker

DATE: May 1966

UNIT: Bald Ridge

LOC
NAME

INTERVAL	QUALITY	%	ROCK NAME	COLOR		REMARKS SEDIMENTARY STRUCTURES, DIAGENESIS, ENVIRONMENT, FRACTURES, ETC.	PC	TYPE
				☐ WET	☒ DRY			
6690-6890	G	100	dolomite, slightly argillaceous, slightly calcareous	light buff grey		Still microcrystalline as above but the rock is now clearly crystalline and has its amorphous character. Some patches (1 mm) of clear dolomite cement bordered a trace of pyrite. Some white dolomite vein filling.		
6890-6920	G	100	dolomite essentially as above			but very argillaceous		
6900-6930	G	100	dolomite as interval 6690-6890					
6940-7050	F	100	dolomite as above			fair to strong infl. of pyrite, yellow brown very fine crystalline dolomite, part of which is porous. Some trace of brown chert nodules 70-100 diam.		
7050-7100			Dolomite, as above.			Yellow brown dolomite decreasing.		
7100-7210		95	Dolomite.	lt grey		25% clay matrix. Tight. 10-15% argillaceous. Some light brown traces of pyrites.		
7210-7220		95	Dolomite.	lt grey		10 light crn/bf. Successive, non argillaceous micaceous. Trace clear sec. calc. 10% arg. material.		
7220-7230		5	arg. dol.					
7230-7240			Dolomite.	lt grey		dull, earthy lustr. to 11-bf. brown. arg. pits in lt brown dol. 10% arg. pits. Tr. silt.		

(7147)

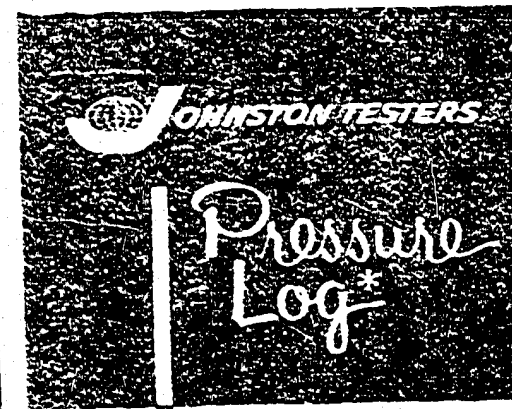
INTERVAL	QUALITY	%	ROCK NAME	COLOR		REMARKS SEDIMENTARY STRUCTURES, DIAGENESIS, ENVIRONMENT, FRACTURES, ETC.	PO TYPE
				☐ WET	☐ DRY		
7250-5500			Dolomite	lt gr		lt br gr. Cryst to micrograined 5% shale pts. Dull early lustre in microporosity. Tight.	
7250-6000			Dolomite	br		lt gr. to very light gr. success micrograined to fine crystals less shale pts than above argillaceous small vugs possibly indicated.	
7300-3500							
7300-7000			Dolomite	lt gr		dull early lustre Traces of br dol. Sample essentially argillaceous Traces of small vugs	
7370-9000			Dolomite	lt gr		dull early lustre micrograined as above.	
			Dolomite	br		lt gr micrograined argillaceous hard light silty.	
			Shale	lt		br gr. sl. dol. sl. silty.	
7390-2400			dolomite	lt gr		similar to 7330-7000	
7400-1000			dolomite	lt		similar to 7370-9000	
7410-6000	90%		dolomite	lt gr		dull early lustre softer than above. acts more rapidly with Tight. less arg. & less shale than above. slightly silty.	
	10%		dolomite.	lt		br. micrograined argillaceous tight. as in 7370-9000.	
7460-5000			dolomite			Drilling break slowed to 5' / hr dolomite lt gr & br gr / brn. cryst to fine micrograined. Hard angular splinter fracture silty or silty (fracture material from probe) Tight.	
	15-20%		Shale	lt		br. sl. dol. sl. silty.	
7480-9000			Dol 70%	lt gr		dull early lustre similar to 7400	
			Dol 30%			similar to 7460-5000	
7480-9000							

INTERVAL	QUALITY	%	ROCK NAME	☐ WET COLOR ☐ DRY	REMARKS SEDIMENTARY STRUCTURES, DIAGENESIS, ENVIRONMENT, FRACTURES, ETC.	
7500-50			Dolomite	light	ls. medium brown/gr. glassy, sucrose lustre. Hard, splintery fracture microcrystalline. Siliceous pts. Traces of shell material?	
		5	shale	dk gr	5% dark gr shale otherwise non argillaceous. Traces poorly developed inter grain porosity in silty. Traces of pyrite @ 7530-40	
7550			Dolomite	gr	ls. dark gr. brn. glassy sucrose lustre. microcrystalline 15% clay sl. bt. shale pts. dol is very sl. silty; traces of ineffective intergrain porosity non argillaceous to 15% argillaceous.	
7590			Dolomite		Essentially as above but finer grained & less sucrose	
(7547) 7600			Dolomite	cr	ls. very pale gr. Very clean. non argillaceous. Has appearance of being water flushed. microcryst. Traces of shale. Traces of intergrain porosity. Sample is generally light.	
7610			Dolomite	gr	brn. ls. dk gr. similar to 7530 sucrose lustre 30% clay dol as above. Tr. intergrain porosity in filled vugs.	
(7675) 7620			Dolomite	dk	brn/gr. interbedded with light gr. Cryst./microcrystalline sl. dol. is darker chips. Traces of chert. Hard. essentially light. Traces medium gr. shale very sl. silty - pt. Traces of light gr. massive chert (scattered pieces)	
7730			Dolomite	dk	gr. with sl. dk. brn. shade interbedded with 30% dol. it gr. cr. Hard sl. silty in pt. similar to sub sucrose lustre Tr. intergrain non effective porosity	
7800			Dolomite		Essentially as above Predominantly dk. brn. gr. dol. as above 10% light-colored gr.	
7910					FTD	

SECTION III - ENGINEERING SUMMARY

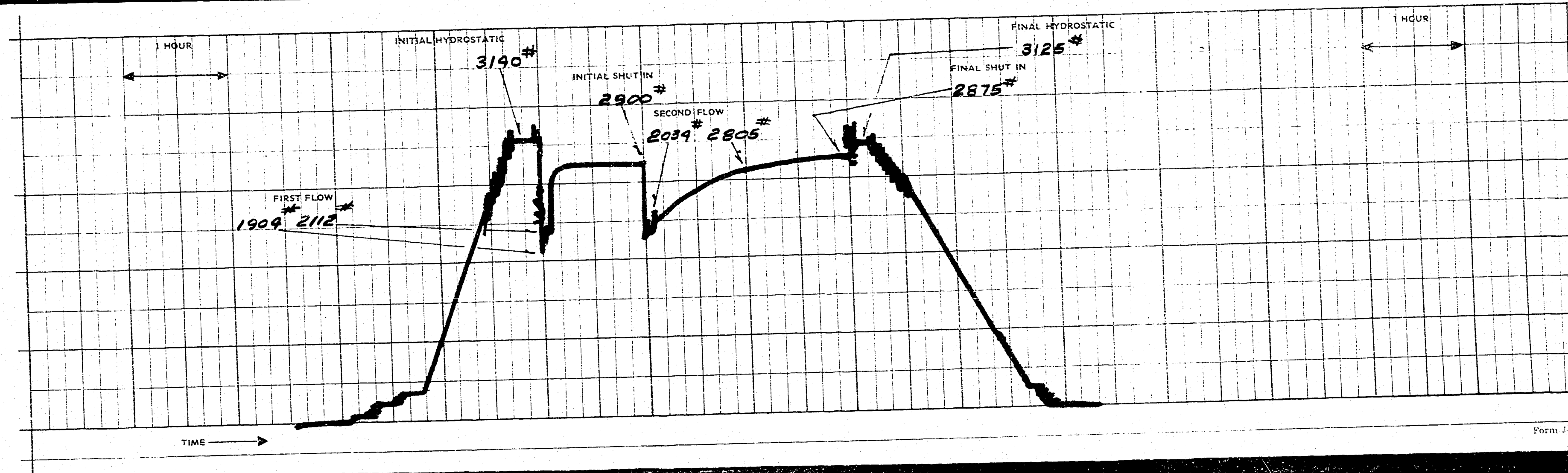
a) Drill Stem Tests

D.S.T. #1 (Bear Rock) 6285-6437 VO 60, SI 60 & 60 mins.
Recovered 6000' of salt water.
HP 3138-3110; FP 1462-1905; SIP 2893-2861.



Field Report No. C-8101
 Instrument Number AKI-1934
 Capacity 7000 p.s.i.
 Depth 6426 ft.

* a continuous tracing of the original chart



JOHNSTON TESTERS

[illegible]

INSTRUMENT No.		AK1-1937	AK1-1877	AK1-1934	FIELD REPORT No. C-8101	
CAPACITY (psig)		7800	7300	7000		
INSTRUMENT DEPTH		6414	6420	6426		
INSTRUMENT OPENING		INSIDE	OUTSIDE	OUTSIDE		
PRESSURE GRADIENT psi/FT.					TIME DATA	
WELL TEMP. °F.		167°	167°	167°		
INITIAL HYDROSTATIC	A	3138#	3137#	3140#	TIME GIVEN	TIME COMPUTED
FIRST FLOW	B	1462#	1754#	1904#	MINS	MINS
B-1		1927#	1988#	2112#		
INITIAL SHUT-IN	C	2893#	2895#	2900#	MINS	MINS
SECOND FLOW	D	1905#	2014#	2034#	MINS	MINS
D-1		2779#	2807#	2805#		
SECOND SHUT-IN	E				MINS	MINS
THIRD FLOW	F				MINS	MINS
FINAL SHUT-IN	G	2861#	2874#	2875#	MINS	MINS
FINAL HYDROSTATIC	H	3110#	3123#	3125#	CLOCK TRAVEL	IN/MIN

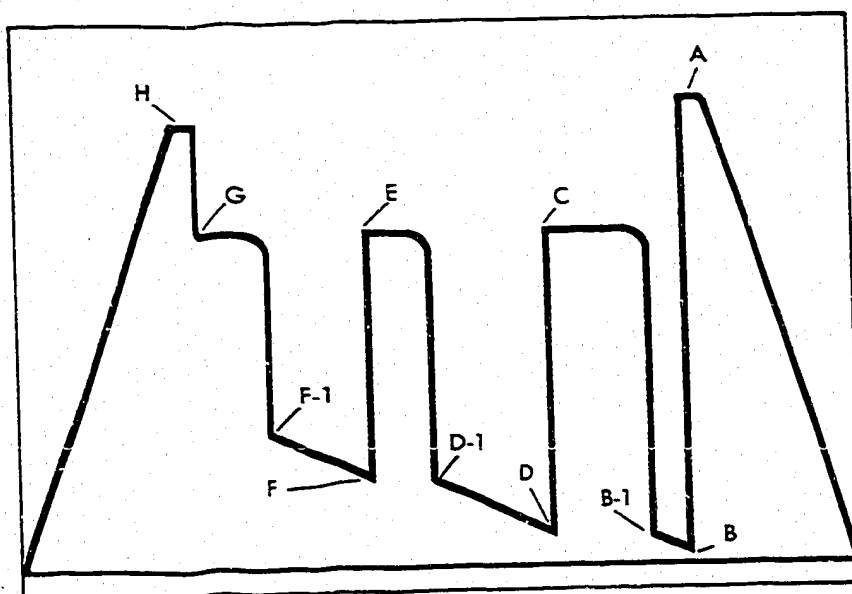
REMARKS:

PRESSURE INCREMENTS

[illegible]



GUIDE TO IDENTIFICATION OF DRILL STEM TEST PRESSURE CHARTS



- A. Initial Hyd. Mud
- B. First Flow
- C. Initial Shut-In
- D. Second Flow
- E. Second Shut-In
- F. Third Flow
- G. Final Shut-In
- H. Final Hyd. Mud

The following points are either fluctuating pressures or points indicating other packer settings (testing different zones).

- A-1, A-2, A-3, etc. Initial Hyd. Pressures
- B, B-1, Initial Flow Pressures
- C, Initial Shut-In
- D-1, D-2, D-3, etc. Second Flow Pressures
- E, Second Shut-In
- F, F-1, F-2. Third Flow Pressures
- G, Final Shut-In
- H, Final Hyd. Pressures
- Z — Special pressure points such as pumping pressures recorded for formation breakdown.

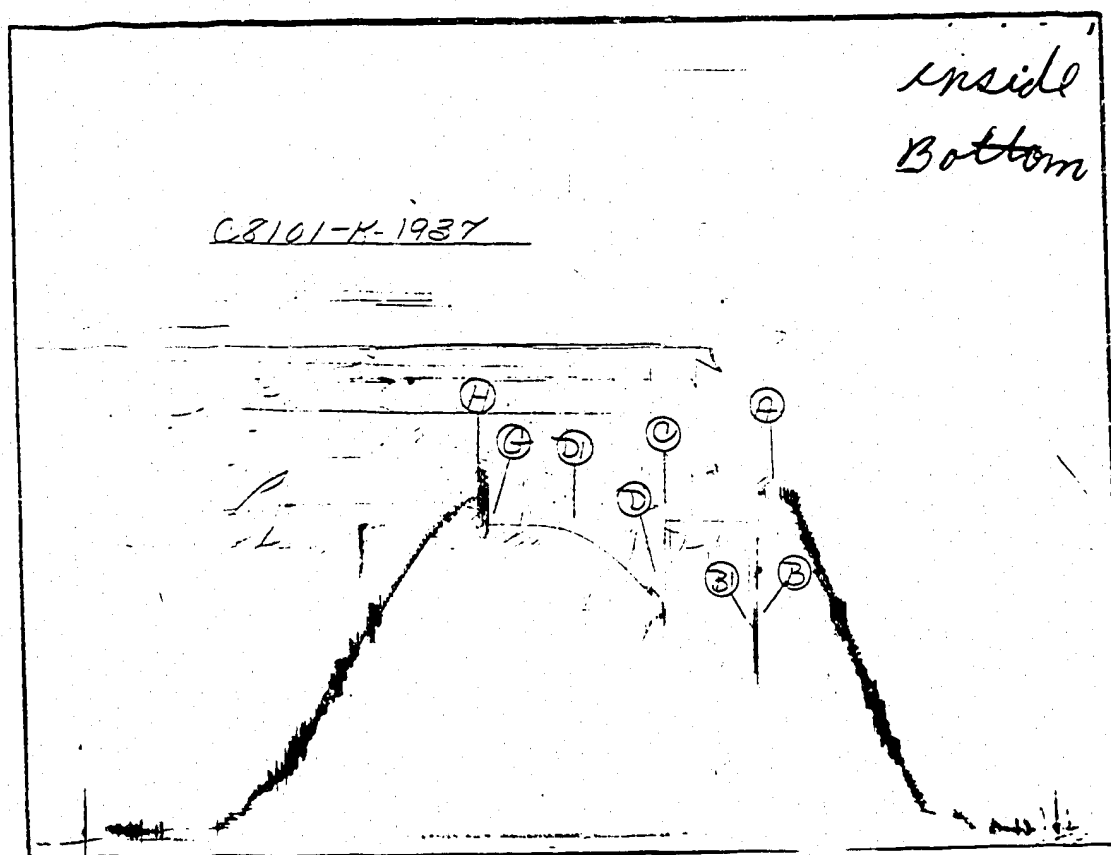


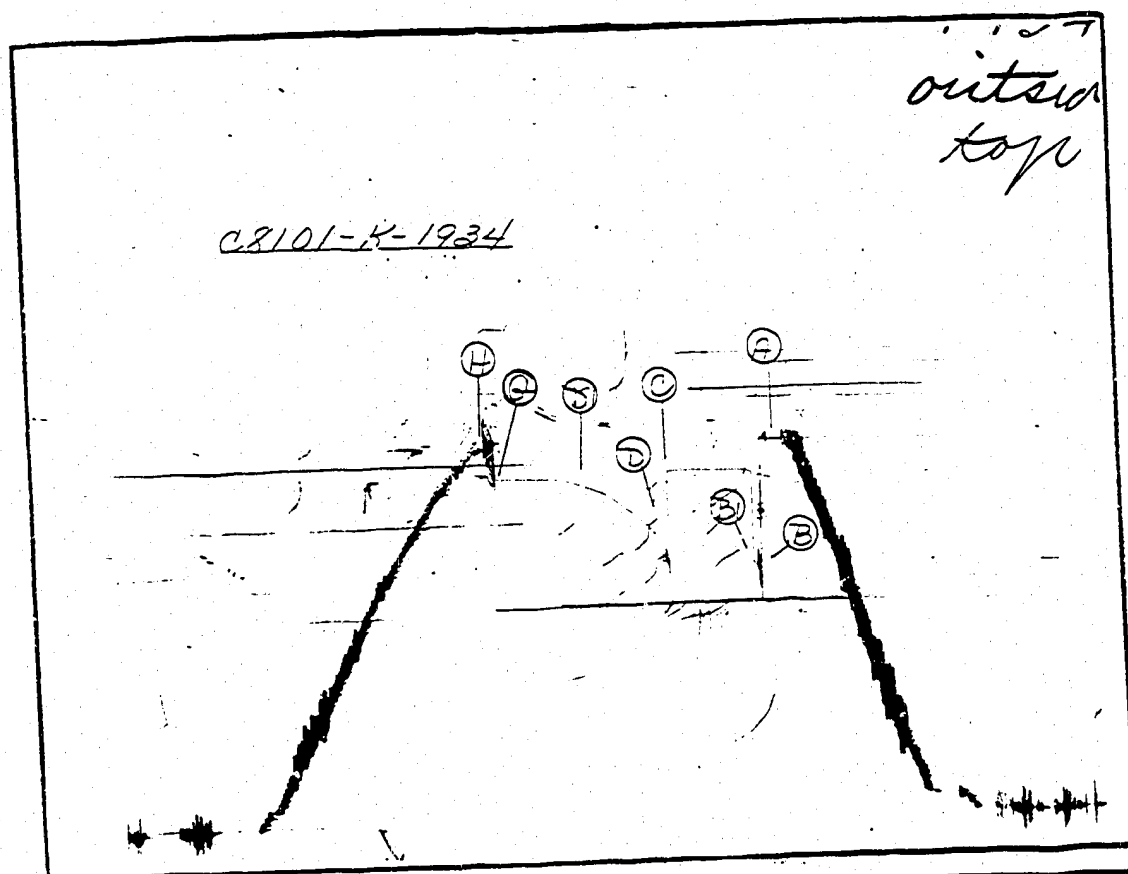
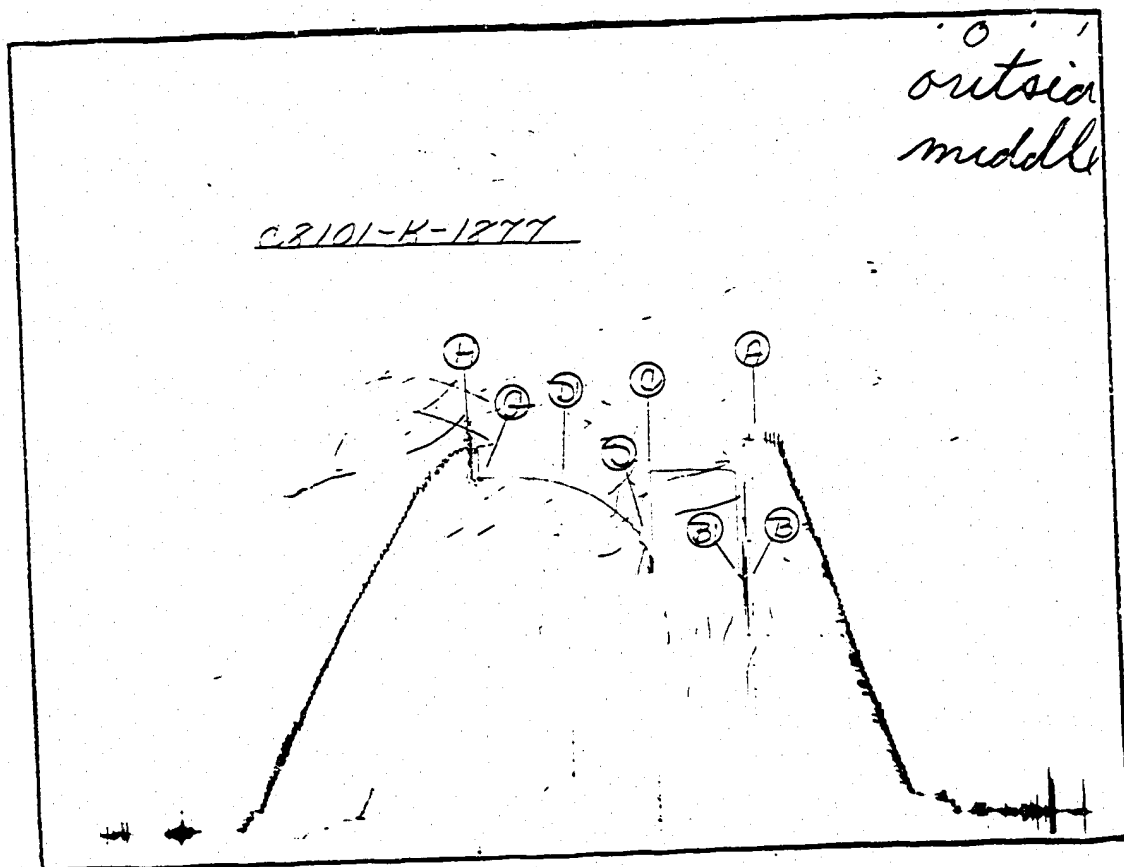
FIELD
REPORT NO.
C-8101

RECORDER NO.
AK1-1937

CAPACITY
7800

REPORTS
REQUESTED
5





DRILL STEM TEST REPORT

Date May 22, 1966WELL NAME IOE Martin House L50Location L50 66° 50'N 133° 15'WFormation: Bear RockTest No. 1K.B. Elevation 289' Interval Tested: From 6285' To 6437'BASIS FOR TEST (Lithology, Etc.) Porosity in samples and core.SUMMARY OF RESULTS: Successful ☒ Misrun ☐Gas Flow Pipe Recovery 6,000' salt water, slightly gas cut.

	Duration	Pressure		Duration	Pressure
I.S.I.	<u>60 mins.</u>	<u>2874</u>	F.S.I.	<u>60 mins.</u>	<u>2874</u>
I.F.	<u>5 "</u>	<u>1482</u>	F.F.	<u>60 "</u>	<u>2874</u>
V.O.	<u>60 "</u>				

TESTING DATA:

Well Depth 6437' Full Hole Size 7 7/8" Drill Pipe: OD 4 1/2 Weight
Grade Joint Type Rat Hole Top Rat Hole Size Drill Collars: OD Feet
Joint Type Size Top Choke 1/2" Size Bottom Choke Packer Type One Conventional, one Bobtail Packer Size 6 3/4Cushion: Type Air Chamber: Vol. Amount Length

	Time	Duration
Tester started in hole	<u>9:00 a.m.</u>	
Tester on bottom	<u>12:12</u>	
Initial Shut in	<u>12:17</u>	
Valve Open	<u>1:17</u>	
Valve closed	<u>2:17</u>	
Tester Pulled Loose	<u>3:17</u>	
Tester out of Hole	<u>6:00 p.m.</u>	

Weight set on packer 40,000 lbs.Did Mud level drop in Csg: Yes ☐ No ☐How Much Pulled Packer Loose With 30,000 lbs.Nature of blow Good strong air blow throughout test.Gas to Surface in MinutesHow Measured

FLOW AND RECOVERY DATA:

	Time	Pressure	Riser	Mcf/day	Time	Pressure	Riser	Mcf/day
1								
2								
3								
4								
5								
6								

Liquid to Surface: Mud _____ Oil _____ Water _____

Total Fluid in Drill Pipe:
(Including Cushion)

	Type	Stands	Feet
1	Salt Water		6000'
2	sl. contaminated with mud		
3	very slightly gas cut.		
4			
5			
6			
7			

NOTE: Samples of oil and water must be taken for chemical and resistivity analysis.

Salinity of Water (total chloride ppm) 170.000 Gravity of oil _____ °A.P.I.

Gas (Sweet _____ Sour _____) BS & W _____ %H₂S _____

Samples sent for analysis to _____

Field Pressure Data: I.H.P. 1346 F.H.P. 3091
I.S.I.P. 2874 F.S.I.P. 2874
I.F.P. 1482 F.F.P. 2874
P.H.T. 167 °F (Measured)

Does chart show normal operation Yes ☒ No _____

Do you consider the test was satisfactory Yes ☒ No _____

Imperial Personnel Present at Test T. Bruseker, J. Kerby

REMARKS: (Include Sampling Points) Samples collected at:

6000, 5550, 4920, 4380, 3840, 3200, 2660, 2120, 1500, 960,

180, 10' above tool.

Test No. 1 Signature T. Bruseker
Testing Co. Johnston Testers Ltd. Title Geologist
Operator G. Gamble Well Name IOE Martin House L50

b) Casing Record

Ran 21 joints of 9-5/8" 36# J55 (S) Rg 3 8 Rd Mannesmann casing landed at 849.52 K.B. and cemented with 400 sacks of Portland cement plus 2.45% CaCl₂.

c) Bit Record

No.	Size	Type	Hrs. on Bottom	Depth Pulled	Footage Drilled		
1A	12½	DT	Conventional	4½	73	73*	
2A	12½	DT	Conventional	12½	391	318::	
3A	12½	DT	Conventional	19½	820	429	
1A*	12½	DT	Conventional	1	851	31*	
1	7-7/8	OSCIG	Conventional	19	1362	511	
2	7-7/8	DT2G	Conventional	19-3/4	2000	638	
3	7-7/8	DT2G	Conventional	19½	2390	390	
4	7-7/8	OSCIG	Conventional	17½	2668	278	
5	7-7/8	S6	Conventional	15½	2904	236	
6	7-7/8	M4N	Conventional	17½	3097	193	
7	7-7/8	M4N	Conventional	21	3414	317	
8	7-7/8	M4N	Conventional	19-3/4	3715	301	
9	7-7/8	M4N	Conventional	17½	3968	253	
10	7-7/8	YTL	Conventional	17½	4134	166	
11	7-7/8	M4N	Conventional	15½	4319	185	
12	7-7/8	M4N	Conventional	10½	4403	84	
13	7-7/8	M4L	Conventional	7½	4486	83	
14	7-7/8	YM	Conventional	19½	4670	184	
1	7-13/16	Diamond	11½	4720	50	Reamed 50' (Core bit)	
15	7-7/8	M4N	Conventional	13½	4860	140	
1	7-13/16	Diamond	8½	4910	50	Reamed 50' (Core bit)	
16	7-7/8	M4N	Conventional	½	4915	5	
1	7-13/16	Diamond	11½	4990	75	Reamed 75' (Core bit)	
16*	7-7/8	M4N	Conventional	17½	5137	147*	
17	7-7/8	M4N	Conventional	18-3/4	5295	158	
18	7-7/8	M4N	Conventional	18½	5445	150	
19	7-7/8	M4N	Conventional	9	5524	79	
1	7-13/16	Diamond	7	5574	50	Reamed 50' (Core bit)	
20	7-7/8	M4N	Conventional	17½	5720	146	
21	7-7/8	OWV	Conventional	18½	5852	132	
22	7-7/8	YM	Conventional	17½	5979	127	Reamed 15'
23	7-7/8	YH	Conventional	12	6084	105	
24	7-7/8	M4L	Conventional	20½	6265	181	
25	7-7/8	M4L	Conventional	4	6330	65	
1	7-13/16	Diamond	5-3/4	6373	43	Reamed 43' (Core bit)	
26	7-7/8	YM	Conventional	1½	6410	37	
1	7-13/16	Diamond	6½	6437	27	Reamed 27' (Core bit)	
26*	7-7/8	YM	Conventional	12½	6556	119	
1	7-13/16	Diamond	5½	6568	12	Reamed 12' (Core bit)	
27	7-7/8	YHG	Conventional	16-3/4	6679	111	
28	7-7/8	YH	Conventional	16½	6811	132	
29	7-7/8	YH	Conventional	19½	6940	129	
30	7-7/8	YH	Conventional	17½	7050	110	

c) Bit Record (Cont'd.)

<u>No.</u>	<u>Size</u>	<u>Type</u>	<u>Hrs. on Bottom</u>	<u>Depth Pulled</u>	<u>Footage Drilled</u>
31	7-7/8	YH	Conventional 15½	7138	88
32	7-7/8	YH	Conventional 14-3/4	7218	80
33	7-7/8	YH	Conventional 15	7299	81
34	7-7/8	YH	Conventional 14½	7375	76
35	7-7/8	YH	Conventional 13½	7443	68
36	7-7/8	W7	Conventional 9½	7487	44
37	7-7/8	YH	Conventional 13½	7555	68
38	7-7/8	YH	Conventional 15	7635	80
39	7-7/8	YHG	Conventional 9	7675	40
40	7-7/8	YH	Conventional 14½	7735	60
41	7-7/8	YHG	Conventional 13½	7786	51
42	7-7/8	YHG	Conventional 13½	7841	55
43	7-7/8	YHG	Conventional 15	7900	59

F.T.D.

d) Mud Report

A low-solids water betonite system was used with the following additives:

Gel	127,800#
Caustic	4200#
Carbonox	300#
Soda Ash	200#
Cellex	2575#
CMC	200#
Peltex	5700#

e) Deviation Record

Totco at	Degrees off
200	$\frac{1}{4}$
266	$\frac{1}{4}$
360	$\frac{1}{4}$
458	$\frac{1}{4}$
556	$\frac{1}{4}$
667	1
728	1
820	$\frac{3}{4}$
1360	1
1460	1
2000	$\frac{1}{2}$
2390	$\frac{3}{4}$
2668	$\frac{1}{4}$
2904	1
3907	1
3414	$1-1/8$
3715	$1-1/8$
3968	$1\frac{1}{2}$
4134	$1\frac{1}{2}$
4319	$1-1/3$
4403	1
4486	1
4670	1
4866	$\frac{3}{4}$
5137	$\frac{3}{4}$
5295	$\frac{1}{2}$
5446	1
5524	$\frac{3}{4}$
5720	$\frac{1}{2}$
5850	1
5979	1
6084	$\frac{1}{2}$
6265	1
6410	$\frac{3}{4}$
6556	$\frac{7}{8}$
6670	1
6811	1
6940	$1\frac{1}{4}$
7050	$1\frac{1}{2}$
7130	$1-3/4$
7218	2
7375	2
7487	$2-3/4$
7555	$2\frac{1}{2}$
7576	$2-3/4$
7786	$2\frac{1}{2}$
7900	$3\frac{1}{2}$

f) Abandonment Plugs

June 9/66 Plug #1 7900-7850 with 25 sax - not felt for.
June 10/66 Plug #2 5600-6500 with 50 sax plus 2% CaCl₂
felt at 6495'
June 10/66 Plug #3 5690-5470 with 110 sax plus 2% CaCl₂
felt at 5467'
June 11/66 Plug #4 900-800 with 60 sax plus 2% CaCl₂
felt at 800'
June 11/66 5 sax top of casing, cut off 3' below ground level,
and welded steel plate, plus marker 5' above ground
level. Cemented rat hole and mouse hole with 7 sax.

g) Lost Circulation Zones - None encountered

h) Report of Blowouts - None encountered

SECTION IV

IV - LOGS

June 8th, 1966	Microlog Caliper	850-7903	Schlumberger
June 7th, 1966	IE	850-7902	Schlumberger
June 9th, 1966	BHCSGR	850-7897	Schlumberger
June 9th, 1966	Dipmeter	?	
	Velocity Survey		

SECTION V

V - ANALYSES

- a) Core Analysis - Core not analysed
- b) Water Analysis - D.S.T. #1
- c) Gas Analysis - None
- d) Oil Analysis - None

SECTION VI

VI

- a) Rubing Record - Not run
- b) Perforation Record - not perforated
- c) Cementation Record - Abandonment Plugs

June 9th, 1966 Plug #1 7900-7850 (Ronning) with 25
saxs . Plug not felt for.

June 10th, 1966 Plug #2 6600-6500 (Bear Rock/Ronning)
with 50 sax + 2% CaCl₂. Plug felt at 6495.

June 10th, 1966 Plug #3 5690-5470 (Bear Rock) with
110 sax + 2% CaCl₂. Plug felt at 5467.

June 11th, 1966 Plug #4 900-800 (Imperial) with 60 sax
+ 2% CaCl₂. Plug felt at 800'

June 11th, 1966 5 sax at top of casing which was cut off
at 3' below ground level.

- d) Acidization and Fracturing Record - None
- e) Back Pressure and Producing - None

10E Martin ^{June 1-50} SEC. 66°50'N 133°15'W

Contractor Peter Barden #16

Type Rig 64B Oilwell Month June Day 11 1966

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.					DRILLING STRING		Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.					DRILLING STRING		Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.								
BIT RECORD		No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE			BIT RECORD		No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE			BIT RECORD		No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE						
SURVEYS		Kind at Ft. Deg. off					Kind at Ft. Deg. off					SURVEYS		Kind at Ft. Deg. off					Kind at Ft. Deg. off					SURVEYS		Kind at Ft. Deg. off					Kind at Ft. Deg. off								
PUMP RECORD		HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	PUMP RECORD		HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	PUMP RECORD		HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	PUMP RECORD		HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size								
MUD RECORD		Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS					MUD RECORD		Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS					MUD RECORD		Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS								
CORING		From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.	CORING					From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.	CORING					From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.	CORING									
DETAIL OF OPERATIONS AND REMARKS		From To Hrs.					From To Hrs.					DETAIL OF OPERATIONS AND REMARKS		From To Hrs.					From To Hrs.					DETAIL OF OPERATIONS AND REMARKS		From To Hrs.					From To Hrs.								
Run plug #4		12 ⁰⁰	12 ³⁰	1/2	Run plug #4					Run plug #4		12 ⁰⁰	12 ³⁰	1/2	Run plug #4					Run plug #4		12 ⁰⁰	12 ³⁰	1/2	Run plug #4					Run plug #4		12 ⁰⁰	12 ³⁰	1/2	Run plug #4				
W.D.C.		12 ⁰⁰	8 ⁰⁰	7 1/2	W.D.C.					W.D.C.		12 ⁰⁰	8 ⁰⁰	7 1/2	W.D.C.					W.D.C.		12 ⁰⁰	8 ⁰⁰	7 1/2	W.D.C.					W.D.C.		12 ⁰⁰	8 ⁰⁰	7 1/2	W.D.C.				
Run in fill for Plug #4		Run in fill for Plug #4					Run in fill for Plug #4					Run in fill for Plug #4		Run in fill for Plug #4					Run in fill for Plug #4		Run in fill for Plug #4					Run in fill for Plug #4		Run in fill for Plug #4					Run in fill for Plug #4						
Lay down pipe		Lay down pipe					Lay down pipe					Lay down pipe		Lay down pipe					Lay down pipe		Lay down pipe					Lay down pipe		Lay down pipe					Lay down pipe						
Lay down B.O.P's		Lay down B.O.P's					Lay down B.O.P's					Lay down B.O.P's		Lay down B.O.P's					Lay down B.O.P's		Lay down B.O.P's					Lay down B.O.P's		Lay down B.O.P's					Lay down B.O.P's						
Block case down		Block case down					Block case down					Block case down		Block case down					Block case down		Block case down					Block case down		Block case down					Block case down						
Cement & weld on		Cement & weld on					Cement & weld on					Cement & weld on		Cement & weld on					Cement & weld on		Cement & weld on					Cement & weld on		Cement & weld on					Cement & weld on						
Plate on Cag bowl		Plate on Cag bowl					Plate on Cag bowl					Plate on Cag bowl		Plate on Cag bowl					Plate on Cag bowl		Plate on Cag bowl					Plate on Cag bowl		Plate on Cag bowl					Plate on Cag bowl						
Driller		Driller					Driller					Driller		Driller					Driller		Driller					Driller		Driller					Driller						

HEADING UP & DRG. 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.:MNFR. DRILLING LINE IN USE
MNFR. OF KELLY HOSE IN USEREEL SERIAL No.
HOSE SERIAL No.DID YOU CHECK BLOWOUT
PREVENTER EQUIPMENT TODAY
YES NO

Total Contract Time hrs.

Total Company Time hrs.

Toolpusher

Louis Abel

Approved by

June 11/66

IMPERIAL OIL LIMITED
 I.D.E. MARTIN House 150-66-50-133-15 SEC. TWN. RGE. W. Contractor *Peter Boudens* Rig #16 Type Rig *Oil Well 64B* Month *June* Day *10* 19*66* DAILY DRILLING REPORT No. *53*

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								
7900 TD												7900												7900														
DRILLING STRING		Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.					DRILLING STRING		Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.					DRILLING STRING		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			BIT RECORD		No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE			BIT RECORD		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			SURVEYS		Kind	at			Ft.			Deg. off			SURVEYS		Kind	at			Ft.			Deg. off					
PUMP RECORD		HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size						PUMP RECORD		HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size						PUMP RECORD		HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size					
No. 1		On Line	Circulating										No. 1		On Line	Circulating										No. 1		On Line	Circulating									
No. 2													No. 2													No. 2												
MUD RECORD		Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS					MUD RECORD		Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS					MUD RECORD		Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS							
CORING		From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.					CORING		From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.					CORING		From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.							
DETAIL OF OPERATIONS AND REMARKS			From	To	Hrs.						DETAIL OF OPERATIONS AND REMARKS			From	To	Hrs.						DETAIL OF OPERATIONS AND REMARKS			From	To	Hrs.											
Run plug #2			12 ⁰⁰	12 ³⁰	1/2						Run and to feel for Plug #2			8 ⁰⁰	9 ³⁰	1 1/4						WOC			4 ⁰⁰	7 ⁰⁰	3											
WOC - lay down 42 singles			12 ³⁰	7 ⁰⁰	6 1/2						Top @ 6495			9 ³⁰	9 ³⁰	1/4						RAW IN 3 FELT Plug #3			7 ⁰⁰	8 ³⁰	1 1/2											
pull out of hole											PULL OUT 10 STANDS											PULL UP 9 LAY DOWN 2 PIPE			8 ³⁰	11 ³⁰	3											
Run in to run plug #3			7 ⁰⁰	8 ⁰⁰	1						C.R.S. HOPE CLEAN OF LOWER VIS.			9 ³⁰	11 ⁰⁰	1 1/2						RAW IN 10 STDs TO RUN Plug #4			11 ³⁰	12 ⁰⁰	1/2											
											Run plug #3 2560 TO 5470			11 ⁰⁰	11 ⁴⁵	3/4						#4																
											PULL OUT OF Plug LAY 10			11 ⁴⁵	2 ¹⁵	3																						
											JOINTS 0 PIPE DOWN FINISH																											
											TR. OUT																											
											WOC			2 ¹⁵	4 ⁰⁰																							

Driller

A. J. Smith

Driller

B. Hardie

Driller

ER. Smith

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: 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

W. Smith

Approved by

Jim Kelly

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 52

10 E Martin House 1-50 - 66° 50' N 133° 15' W
LSD SEC. TWN. RGE. W.

Contractor Peter Bowden #16

Type Rig 64B Oilwell

Month June

Day 9 1966

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															
7900 TD										7900																															
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.																
										4 1/2		86-0	7907.66	WITH KELLY DOWN					4 1/2		86-2	786696	3304																		
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															
SURVEY		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.		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.																				
		Logging @ Schlumberger		12:00	8:00	8:00					Logging w/ Schlumberger		8:00	10:30	2 1/2					WAIT ON ORDERS		4:00	6:15	2 1/4																	
											LAY LOGGERS TOOLS DOWN		10:30	11:30	3/4					LAY DOWN DC'S		6:15	6:45	1/2																	
											RAN IN D.C. & 1-1/2" PIPE		11:30	2:00	2 3/4					RAN OPEN END		6:45	8:45	2																	
											LAY DOWN SAME									CIRC		8:45	10:00	1 1/4																	
											PICK UP 47 JOINTS 4 1/2" D PIPE		2:00	4:00	2					RAN PHUG # 1		10:00	11:00	1																	
																				PULL 14 STD 9 SINGLE (CIRC)		11:00	11:30	1/2																	
																				RAN PHUG # 2		11:30	12:00	1/2																	
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
MNFR. OF KELLY HOSE IN USEREEL SERIAL No.
HOSE SERIAL No.DID YOU CHECK BLOWOUT
PREVENTER EQUIPMENT TODAY

YES NO

Total Contract Time hrs.

Total Company Time hrs.

Toolpusher

Approved by

DAILY DRILLING REPORT No. 51

10E Martin House L-50
LSD. SEC

60° 50' N 133° 15' W
TWN. BGE. W.

Contractor Peter Bawden #16

Type Rig 64 B Cullwell

Month June 8 Day 19 196

	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											
	7900 TD						7900						7900		-	7 7/8												
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.										
	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										
	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	HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	Kind	at		Ft.	Deg. off	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		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	Logging @ Schlumberger						From	To	Hrs.	Logging w/ Schlumberger						From	To	Hrs.	Run in & Pick up 10 smokes						From	To	Hrs.	
										Lay down Logging Tools									Circ con Hole									
										Run in Hole									Hoist To Log									
																			Log w/ Schlumberger									
Driller: W. Gird						Driller: D. Hardie						Driller: S. R. H. A.																

CLASSES OF TIME BREAKDOWN

HEADING UP & DRLG. OUT:
DRILLING:
REAMING:

TOTCO:
FISHING:
CIRCULATING:

CONDITIONING MUD:
TRIPPING:
CORING:

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

LOGGING:
W O ORDERS:
RIG REPAIRS:

RIG MAINTENANCE:
MISCELLANEOUS:
CONDITION HOE-

REAMING CLEANING:
WORKING PIPE:
LOST CIRC:

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

... REEL SERIAL No.
LOSS SERIAL N.

**DID YOU CHECK BLOWOUT
PREVENTER EQUIPMENT TODAY**

YES NO

Total Contract Time hrs.

Total Company Time hrs.

Toolpusher

Approved by _____

SE SERIAL No.

LSD. 250 SEC. 66 TWN. 51N RGE. 123 W. 15 Contractor KEAR-BARDEN DRILL LTD Type Rig DRUMM 642 Month JUNE Day 7 19

Approved by *John. K. ...*

Approved by *John. K. ...*

LSD. 450 SEC. 66 TWN. 50N RGE. 133 W 12

Contractor Peter B. Anderson

Type Rig Oilwell 64B

Month June

Day 6

1966

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										
	7786	7801	15	7 7/8		7801	7835	34	7 7/8	Runway	7835	7844	9	7 7/8											
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.							
	4 1/2	80	72	74	41	3149	496.17	2.93	4 1/2	80 1/2	7701.22	34.68	496.17	sub	2.93	4 1/2	80-D	7800.47	14.43	496.17	2.93				
	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	15	6 1/4	2 3/16	466.17	DRILLING STRING	DRILL COLLARS	COLLAR	15	6 1/4	2 3/16	466.17	DRILLING STRING	DRILL COLLARS	COLLAR	15	6 1/4	2 3/16	466.17	DRILLING STRING	DRILL COLLARS				
BIT RECORD	DATA	1	7 7/8	30.00	176	45M	DATA	1	7 7/8	30.00	175M	45M	DATA	1	7 7/8	30.00	178M	45M							
	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	
	42	YHG	4:15 AM		3 1/4		45	10		42	YHG	4:15 AM		11 1/2		45M	49	42	YHG	4:15 PM	6:00 PM	13 1/4	7841	48	52
SURVEYS	Bit Serial No.	E 04035				Table R.P.M.	60	Bit Serial No.	E 04035				Table R.P.M.	60	Bit Serial No.	E 04035				Table R.P.M.	60				
	or Conventional					Nozzle Size	3 1/16	or Conventional					Nozzle Size	3 1/16	or Conventional					Nozzle Size	3 1/16				
	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	No. 1	3 3/4		900	14	54	6	No. 1	7 3/4		900	14	54	6	No. 1	3		900	14	54	6				
	No. 2				14		5 1/16	No. 2	8			14	40	5 1/2	No. 2				14		5 1/2				
	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS							
	5:00	62	9.6	6.2	11.5		9:00	60	9.6	6.8	10.5	shl	1000	5:00	64	9.6	7.2	11							
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.																
	Pull out & Run in 30'	12"	1"	1	Pig sewer & check BOP's	8:00	8:15	1/4	DRLG. 7 7/8" Hole	4:00	5:00	1													
	SLIP & CUT 65' DRLG line	1"	130	1/2	Drill 7 7/8" hole	8:15	4:00	7 3/4	R.G. SFR.	5:00	5:15	1/4													
	Rig Set, Repair mud line valve	1"	2"	1/2					DRLG.	5:15	6:00	3/4													
CLASSES OF TIME BREAKDOWN	TOTCO:	CONDITIONING MUD:	CASING:	LOGGING:	RIG MAINTENANCE:	REAMING CLEANING:	MNFR. DRILLING LINE IN USE	REEL SERIAL No.	DID YOU CHECK BLOWOUT PREVENTER EQUIPMENT TODAY																
	FISHING:	TRIPPING:	W.O.C.	W O ORDERS:	MISCELLANEOUS:	WORKING PIPE:	MNFR. OF KELLY HOSE IN USE	HOSE SERIAL No.	YES	NO															
	CIRCULATING:	CORING:	D.S. TESTING:	RIG REPAIRS:	CONDITION HOLE:	LOST CIRC:																			

Driller: SA Duff

Driller: W Jim

Driller: S Hoxley

HEADING UP & DRLG. OUT: 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 Time hrs.

Total Company Time hrs.

Toolpusher

Approved by

10E Martin House L-50 66°50'N 133°15'W
LSD. SEC. TWN. RGE. W.

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 48

Contractor Peter Bourden #16

Type Rig 64B O'Brien

Month June 5

Day 1966

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											
		7725	7735	10	7 7/8												7735	7770	35	7 7/8	Bonning											7770	16	7786	7 7/8												
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.												
		4 1/2	79	721144	2446	496.17	96.293								4 1/2		79	724024	30.66	496.17	2.93								4 1/2		80	727041	16.49	496.17	2.93												
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		15	6 1/4	2 3/4	466.17	DRILLING STRING DRILL COLLARS									COLLAR		15	6 1/4	2 3/4	466.17	DRILLING STRING DRILL COLLARS									COLLAR		15	6 1/4	2 3/4	466.17	DRILLING STRING DRILL COLLARS											
DATA		1	7 1/4		30.00	185									DATA		1	7 1/4		30.00	184M 45M									DATA		1	7 1/4		30.00	182M 45											
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										
		40	YH	12	23	14 1/4	7735	48	60						41		YHG	73	94	8 1/4	48	45						41		YHG	73	94	12 1/2	7786	48	51											
		41	YHG	73	94																																										
		Bit Serial No. E 94084 E 15313 Table R.P.M. 60														Bit Serial No. E 15313 Table R.P.M. 60														Bit Serial No. E 12313 Table R.P.M. 60																	
		Jet or Conventional - Nozzle Size 3 1/4														Jet or Conventional - Nozzle Size														Jet or Conventional - 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						
No. 1		2				900	14	34	6							7 1/4						900	14	54	6							4						700	14	54	6						
No. 2		2 1/4					14	5	5 1/2									8		on tank		14	40	5 1/2									1 1/4					14	5 1/2								
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										
		2	53	9.6	7.0	11.5	Gel 1200									9:00		64	9.5	6.0	11.5	Gel 1000*									4		52	9.6	7.0	10	Gel 1500										
							Caustic 50									11:00		55	9.5	6.0	11.0										8		55	9.6	7.0	10.5	Caustic 50										
							Pitex 100									1:00		52	9.5	6.8	10.5																Pitex 100										
																3:00		51	9.5	2.0	10.5																										
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.										
DETAIL OF OPERATIONS AND REMARKS																																															
		DRLG 7 7/8 Hole 22" 23" 2 1/2														Rig sent + Deck BOP's 800 815 1/4														R.C. Ser 400 412 1/4																	
		Hoist for B.T. 23" 50" 2 1/2														Drill 7 7/8 Hole 815 400 7 1/4														DRLG 7 7/8 Hole 412 930 5 1/4																	
		Rig Ser v BOP 5" 515 1/4																												Survey 2 7786 930 945 1/4																	
		RAN IN B.T. #1 5" 7" 2																												Hoist for B.T. #41 945 1260 2 1/4																	
		Clean to Btm 715 730 1/4																																													
		DRLG 7 7/8 Hole 730 8" 1/2																																													
Driller		S.R. Jones														W. Dineen														B. Hardie																	

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
MNFR. OF KELLY HOSE IN USEREEL SERIAL No.
HOSE SERIAL No.DID YOU CHECK BLOWOUT
PREVENTER EQUIPMENT TODAY

YES NO

Total Contract Time hrs.

Total Company Time hrs.

Toolpusher

Louis Abel

Approved by

Jim Kerley

10k Martin House #10
LSD. SEC. TWN. RGE. W. Contractor Peter Bowden #16 Type Rig 64B Oilwell Month June Day 4 1966

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																	
		7646		7675		29		7 7/8								7675		7690		15		7 7/8								7690		7720		30		7 7/8																			
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.											
		4 1/2		72 3/4		7150.63		2527		496.17		29 2.93						4 1/2		78 3/4		7150.63		2527		496.17		29 2.93						4 1/2		79-S		72 11/4		14.49		496.17		C.O. 2.93											
		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		15		6 1/4		2 1/8		466.17		DRILLING STRING						COLLAR		15		6 1/4		2 1/8		466.17		DRILLING STRING						COLLAR		15		6 1/4		2 1/8		466.17		DRILLING STRING											
DATA		1		7 1/8		3000		182 M		45 M						DATA		1		7 1/8		3000		184 M		45 M						DATA		1		7 1/8		3000		184 M		45 M													
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																			
		39		YHG		9 45 PM		7 AM		9		7675		48		40						40		YH		12 NOON		-		4		44		15		-																			
SURVEYS		Bit Serial No. E 15397 Table R.P.M. 60																		Bit Serial No. E 94084 Table R.P.M. 65																		Bit Serial No. E 94084 Table R.P.M. 60																	
		Nozzle Size 3 1/8																		Nozzle Size 3 1/8																		Nozzle Size 3 1/8																	
		Kind Totals at 7576 Ft. 2 3/4 Deg. off																		Kind at Ft. Deg. off																		Kind at Ft. Deg. off																	
PUMP 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																			
		6 1/4		900				14		54		6		4				900		14		54		6		2				900		14		54		6																			
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											
		1:00		53		9.5		5.0		11		Gel 900 #						1:00		54		9.4		6.2		10.5								6:00		53		9.6		7.0		10.5													
		3:00		52		9.5				11		Cement 50 #						3:00		52		9.5		6.4		10.5								11:00		52		9.6		7.1		10.5													
		5:00		49		9.5				10.5		Pulver 100 #																																											
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																																																							
		Drill 7 7/8 hole																		Went bit #39																		R.C. SER.																	
		Rig new																		Sew rig + check BOP's																		DRUG 7 7/8" HOLE																	
		Drill																		Run in bit #40																																			
		Survey																		Drill 7 7/8' hole																																			
		Went for new bit																																																					
Driller G R Crofts																		Driller A. J. J. J.																		Driller B. Hardie																			

CLASSES OF TIME BREAKDOWN

CEASES 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.			

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

LSD. 250 SEC. 66 TWN. 50N RGE. 133 W. 15 Contractor Reel Bender Dico LTD Type Rig Cubell 64B Month JUNE Day 3 1966

	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							
	7560		7599		39	7 7/8			7599		7635		36	7 1/4			7635		11		7646	7 1/8								
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.	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.						
	4 1/2	78	7189.04	1086	496.17	5/6 2.93	4 1/2	78 1/2	7119.95	25.94	496.17	1086.2.93	4 1/2	78.5	7119.95	26.95	496.17	5/6 2.93	4 1/2	78.5	7119.95	26.95	496.17	5/6 2.93						
	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	15	6 1/4	2 3/8	496.17	DRILLING STRING	DRILL COLLARS	COLLAR	15	6 1/4	2 3/8	496.17	DRILLING STRING	DRILL COLLARS	COLLAR	15	6 1/4	2 3/8	496.17	DRILLING STRING	DRILL COLLARS	COLLAR	15	6 1/4	2 3/8	496.17	DRILLING STRING	DRILL COLLARS		
	DATA	1	7 1/8	30.00	1.74	45	DATA	1	7 1/8	30.00	1.78M	45M	DATA	1	7 1/8	30.00	1.80M	45M	DATA	1	7 1/8	30.00	1.80M	45M						
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				
	38	YH	11 PM		8 3/4		48	44	38	YH	11 PM	2 15 PM	15	7635	48	80	39	YH	9 40 PM		2 1/4		43	11						
	Bit Serial No.	E 94062	Table R.P.M.	60	Bit Serial No.	E 94062	Table R.P.M.	65	Bit Serial No.	E 12397	Table R.P.M.	60	Bit Serial No.	E 12397	Table R.P.M.	60														
	Jet or Conventional -	Nozzle Size 3 1/16	Jet or Conventional -	Nozzle Size 3 1/16	Jet or Conventional -	Nozzle Size 3 1/16	Jet or Conventional -	Nozzle Size 3 1/16																						
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	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		
	7 1/4		900	14	54	6	7 1/4		900	14	54	6	7 1/4		900	14	54	6	7 1/4		900	14	54	6	7 1/4		900	14	54	6
	On Tanks	14	5 1/4	On Tanks	14	5 1/4	On Tanks	14	5 1/4	On Tanks	14	5 1/4	On Tanks	14	5 1/4	On Tanks	14	5 1/4	On Tanks	14	5 1/4	On Tanks	14	5 1/4	On Tanks	14	5 1/4	On Tanks	14	5 1/4
MUD RECORD	Time	Visc.	Wt.	W L	pH																									

CLASSES OF TIME BREAKDOWN										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 Donna M. Hall Approved by B. J. [Signature]

Total Contract Time hrs.

Total Company Time hrs.

Toolpusher

Approved by _____

CLASSES OF TIME BREAKDOWN

HEADING UP & DRLG. OUT:
DRILLING:
REAMING:

TOTCO:
FISHING:
CIRCULATING:

CONDITIONING MUD:
TRIPPING:
CORING:

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

LOGGING:
W. O. ORDER
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 _____

YES ☐ NO ☒

DAILY DRILLING REPORT No. 44

LSD. SEC. TWN. RGE. W. Contractor Peter B. Hansen Data LTD Type Rig Oil well 642 Month June Day 1 1966

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

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

Toolpusher James Noel

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 43

105 MARTIN House 2-50-66-50 10133 10-10

LSD. SEC. TWN. RGE. W. Contractor Banfield R.G. #16 Type Rig Oilwell 44-6 Month May Day 31 1966

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																									
		7243	7375	32	7 7/8							7275	7375	—	7 7/8							7375	7415	40	7 3/4																										
DRILLING STRING		Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.			DRILLING STRING		Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.			DRILLING STRING		Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.																								
		4 1/2	25-5	684678	29.12	496.17	C.O. 2.93					4 1/2	25-1	684678	29.12	496.17	C.O. 2.93					4 1/2	25-3	684678	37.06	496.17	C.O. 2.93																								
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		15	6 1/4	2 3/16	46.6.17	DRILLING STRING				COLLAR				15	6 1/4	2 3/16	46.6.17	DRILLING STRING				COLLAR				15	6 1/4	2 3/16	46.6.17	DRILLING STRING																					
DATA		1	7 3/16		30.00	175 M				DATA				1	7 3/16		30.00	175 M				DATA				1	7 3/16		30.00	175 M																					
BIT RECORD		No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE		BIT RECORD		No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE		BIT RECORD		No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE																				
		34	YH	4:10 PM	6:40 AM	14 1/4	2375	48	76				35	YH											35	YH	5:10 PM		6 3/4	—	48	40																			
SURVEYS		Bit Serial No. <u>E 74622</u> Table R.P.M. <u>60</u>								Bit Serial No. <u>E 84255</u> Table R.P.M. <u>—</u>								Bit Serial No. <u>E 84255</u> Table R.P.M. <u>60</u>																																	
PUMP RECORD		Jet or Conventional - <u>Conventional</u> Nozzle Size <u>3-1/16</u>								Jet or Conventional - <u>Conventional</u> Nozzle Size <u>3-1/16</u>								Jet or Conventional - <u>Conventional</u> Nozzle Size <u>3-1/16</u>																																	
		Kind <u>TOTES</u> at <u>7375</u> Ft. <u>2</u> Deg. off								Kind <u>at</u> Ft. <u>—</u> Deg. off								Kind <u>at</u> Ft. <u>—</u> 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																						
		6 1/2				875	14	54	6											6																															
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																								
		12:00	51	9.6	6.6	9.5																6:00		50	9.6	7.0	9.0	Pulver 150																							
		2:00	50	9.6	6.6	9.5																7:00		50	9.6	7.0	9.0	Pulver 100																							
		5:00	50	9.6	6.8	9.5																9:00		57	9.6	6.2	9.0																								
																						11:00		50	9.6	6.4	9.5																								
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.																								
DETAIL OF OPERATIONS AND REMARKS				From	To	Hrs.					DETAIL OF OPERATIONS AND REMARKS				From	To	Hrs.					DETAIL OF OPERATIONS AND REMARKS				From	To	Hrs.																							
		DRLG. 7 7/8" Hole		12:00	2:00	2							CHUCK		8:00	10:45	2 3/4							Run in bit #34		4:00	5:00	1																							
		R.G. S.R.		2:00	2:15	1/4							REPAIR FAWICK		10:45	1:30	2 3/4							Break circulation & pump to bottom		5:00	5:15	1/4																							
		DRLG.		2:15	6:45	4 1/2							TRIP FOR BIT		1:30	2:00	1/2							Drill 7 3/4" hole		5:15	12:00	6 3/4																							
		Survey & 7375		6:45	7:00	1/4							SKIP & CUT 44' LINE		2:00	4:00	2																																		
		Hoist for BIT		7:00	7:30	1/2							Run in		4:00	4:00	2																																		
		WORK ON #1 BANK FAWICK		7:30	8:00	1/2																																													
		CLUTCH																																																	
Driller		<u>B. Hardie</u>										Driller										<u>W. J. J. J.</u>										Driller										<u>W. J. J. J.</u>									

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 W. J. J. J. Approved by W. J. J. J.

LSD. SEC. TWN. RGE. W. Contractor BANDON RIG #16 Type Rig Oil Well 64-B Month MAY Day 30 1966

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									
	7260	9294	34	7 7/8		7294	9299	5	7 7/8		7299	7343	44	7 7/8										
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.						
	4 1/2	74-S	6753-25	39.65	496.17	6/0 2.93	4 1/2	74-S	6786-66	1324	496.17	9/0 2.93	4 1/2	75-68	15-18	27-72	496.17	cut 2.93						
	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	15	6 1/4	2 3/16	466.17	DRILLING STRING	DRILL COLLARS	COLLAR	15	6 1/4	2 3/16	466.17	DRILLING STRING	DRILL COLLARS	COLLAR	15	6 1/4	2 3/16	466.17	DRILLING STRING	DRILL COLLARS			
DATA	1	7 13/16		30.00	177 M	45 M	DATA	1	7 13/16		30.00	177	45	DATA	1	7 13/16		30.00	172 M	45 M				
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
	33	YH	5:30 PM		14		48	76	33	YH	5:30 PM	9:00 AM	15	7299	48	81	34	YH	4:15 PM		7 1/2		48	44
SURVEYS	Bit Serial No. <u>E 34460</u> Table R.P.M. <u>60</u>						Bit Serial No. <u>E 34460</u> Table R.P.M. <u>60</u>						Bit Serial No. <u>E 74622</u> Table R.P.M. <u>60</u>											
	Jet or Conventional - <u>CONVENTIONAL</u> Nozzle Size <u>3 1/16</u>						Jet or Conventional - <u>CONVENTIONAL</u> Nozzle Size <u>3 1/16</u>						Jet or Conventional - <u>CONVENTIONAL</u> Nozzle Size <u>3 1/16</u>											
	Kind at Ft. Deg. off						Kind at Ft. Deg. off						Kind at Ft. Deg. off											
	HOURS						HOURS						HOURS											
PUMP 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						
	7 1/2		875	14	54	6	1		875	14	54	6	7 3/4		900	14	54	6						
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						
	9:20	53	9.6	7.0	9.5	PILTEX 100	9:00	53	9.6		10		5:00	48	9.6	1.0	9.5	1000						
	5:00	53	9.6	7.0	9.5	CAUSTIC 50							7:00	48	9.6	6.6	9.5	50						
	6:00	48	9.6	7.2	9.5	CELLULOX 50							9:00	57	9.6	7.0	9.5							
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.						
DETAIL OF OPERATIONS AND REMARKS	From To Hrs.						From To Hrs.						From To Hrs.											
	DRLG. 7 7/8" Hole						Rig Sen						Rig service											
	R. G. Sir.						Data 7 7/8						Drill 7 7/8" hole											
	WORK ON DRAWWORKS						MEAS OUT																	
REMARKS	DRLG.						RUN DC																	
							SKIP & CUT LINE																	
						REPAIR DRUMS																		
						RUN IN																		
Driller <u>B. Hardie</u>						Driller <u>SA Smith</u>						Driller <u>W. Smith</u>												

CLASSES OF TIME BREAKDOWN

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.: APPROVED BY

Total Contract Time hrs

Total Company Time hrs

Toolpusher John

Approved by

DAILY DRILLING REPORT No. 41

LSD. SEC. TWN. RGE. W. Contractor Brown R.G. 16 Type Rig Oil well 64-B Month May Day 27 1966

CLASSES OF TIME BREAKDOWN										DID YOU CHECK BLOWOUT PREVENTER EQUIPMENT TODAY	
HEADING UP & DRG. 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 James Leitch Approved by

Month Mar 28 Day 19 1966

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	

LSD. SEC. TWN. RGE. W. Contractor BAUMER P.S. #16 Type Rig OIL WELL 64-B Month MAY Day 27 1966

	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													
DEPTH	6940		6987		47	7 7/8			6987		7040		53	7 7/8			7040		7054		14	7 7/8														
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.		Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.									
	4 1/2	71	6453.20	34.70	496.17	C16 293		4 1/2	71 1/2	6514.67	26.23	496.17	96-293		4 1/2	71 3/4	6514.67	42.30	496.17	sub 2-93		4 1/2	71 3/4	6514.67	42.30	496.17	sub 2-93									
	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	15	6 1/4	2 1/8	466.17	DRILLING STRING		COLLAR	15	6 1/4	2 1/8	466.17	DRILLING STRING		COLLAR	15	6 1/4	2 1/8	466.17	DRILLING STRING		COLLAR	15	6 1/4	2 1/8	466.17	DRILLING STRING									
DATA	1		7 1/8		30.00		173 M	45 M	DATA	1		7 1/8		30.00		173 M	45 M	DATA	1		7 1/8		30.00		173 M	45 M										
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										
	30	YH	12:20 PM		7 1/2		42	47		30	YH	12:20 PM		15 1/4		48	100		30	YH	12:20 PM		15 1/4		48	100										
SURVEYS	Bit Serial No. E 12168						Table R.P.M.						Bit Serial No. E N 2168						Table R.P.M. 60						Bit Serial No. EN2168 - E74618						Table R.P.M. 60					
	Jet or Conventional - CONVENTIONAL						Nozzle Size 3 - 1/16						Jet or Conventional -						Nozzle Size 3 - 1/16						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						Kind at Ft. Deg. off											
	HOURS						HOURS						HOURS						HOURS						HOURS											
PUMP 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				
	7 1/2				825	14	825	6	7 1/4				825	14	54	6	2 3/4				825	14	54	6	2 3/4				825	14	54	6				
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									
	2:20	54	9.6	6.4	10			9:00	47	9.6	6.8	9			5:00	54	9.6	6.8	9.5			5:00	54	9.6	6.8	9.5										
	5:15	50	9.6	6.6	9.5			11:00	47	9.6	7.8	9																								
	6:40	48	9.6	6.6	9.5			1:00	49	9.6	7.6	10																								
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	Rig Set						Rig Set & BOP						Drill 7 7/8 Hole						Drill 7 7/8 Hole						Drill 7 7/8 Hole											
	Finish top of hole						DRILL 7 7/8 Hole						Drill 7 7/8 Hole						Drill 7 7/8 Hole						Drill 7 7/8 Hole											
	Drill 7 7/8 Hole						Drill 7 7/8 Hole						Drill 7 7/8 Hole						Drill 7 7/8 Hole						Drill 7 7/8 Hole											
Driller: B. Stordis						Driller: B. Stordis						Driller: B. Stordis						Driller: B. Stordis						Driller: B. Stordis												

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 David [Signature] Approved by _____

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 38

15 E MARTIN HOUSE L-50° 66.30' W 133° 13' W

LSD. SEC. TWN. RGE. W.

Contractor J. BOWEN R.C. #16

Type Rig D.H.W. 64-B Month MAY Day 26 1966

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											
		6815	6865	50	7 7/8							6865	6920	55	7 7/8							6920	6940	20	7 7/8												
		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.										
		4 1/2	69-D	63656	33-34	496.17	C.O. 2.93					4 1/2	70-1	639183	2907	496.17	6 2.93					4 1/2	70-3	6422.69	18-70	496.17	6 2.93										
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	15	6 1/4	2 1/2	466.19	DRILLING STRING				DRILL COLLARS						COLLAR	15	6 1/4	2 1/2	466.19	DRILLING STRING				DRILL COLLARS											
		DATA	1	7 1/2	16	30.00	45 m						DATA	1	7 1/2	16	30.00	45 m						DATA	1	7 1/2	16	30.00	45 m								
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						
		29	YH	11:30 PM		8 1/2		48 m	54						29	YH	11:30 PM		16 1/4		48	109						29	YH	11:30 PM	7:00 PM	19 1/4	6940	48	129	-	
		Bit Serial No. E 84246 Table R.P.M. 62										Bit Serial No. E 84246 Table R.P.M. 60										Bit Serial No. E 84246 Table R.P.M. 60															
		Jet or Conventional - CONVENTIONAL Nozzle Size 3 1/2										Jet or Conventional - Nozzle Size 3 1/2										Jet or Conventional - Nozzle Size 3 1/2															
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							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						
		7 3/4		825	14	54	6							7 3/4		825	14	54	6							3		825	14	54	6						
		4 1/2			14	50	5 1/2										14	5 1/2							8			14	40	5 1/2							
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								
		1:00	5.6	9.7	6.6	9.5	Gel	1200					9:00	5.4	9.6	6.5								5:00	4.9	9.6	7.2	9.0	Gel	1000							
		3:00	4.8	9.6	6.6	9.5	Gel	50					11:00	5.1	9.6	7.0								7:00	5.0	9.6	7.0	9.0	Gel	50							
		6:00	5.0	9.6	6.2	9.5	PELTEX	100					1:00	5.3	9.7	6.6																					
							GELTEX	50					3:00	5.1	9.6	6.2																					
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																																					
		Drill 7 7/8" Hole												R.C. Sec & BOP												Drill 7 7/8" Hole											
		R.C. Sec.												Drill 7 7/8" Hole												R.C. Sec.											
		Drill 7 7/8" Hole																								Point Kit # 29											
																										R.C. Sec. & BOP's											
																										Best & slip drilling line											
																										Run in bit # 30											

Driller: Louis Hardie

Driller: Louis Hardie

Driller: Louis Hardie

HEADING UP & DRLG. OUT:
DRILLING:
REAMING:CLASSES OF TIME BREAKDOWN
FISHING: TRIPPING: CORING:
CIRCUITING:CASING:
W.O.C.
D.S. TESTING:LOGGING:
W. O. ORDERS:
RIG REPAIRS:RIG MAINTENANCE:
MISCELLANEOUS:
CONDITION HOLE:REAMING CLEANING:
WORKING PIPE:
LOST CIRC.:MNFDR DRILLING LINE IN USE
MNFDR OF KELLY HOSE IN USE

REEL SERIAL No.

HOSE SERIAL No.

DID YOU CHECK BLOWOUT
PREVENTER EQUIPMENT TODAYYES ☒ NO ☐

Total Contract Time hrs.

Total Company Time hrs.

Toolpusher

Approved by

LSD.

SEC.

TWN.

RGE.

W.

Contractor *Barrington R. G. I. B.*Type Rig *Oil Well*Month *MAY*Day *25* 19*66*

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																		
	6679	6730	5'1"	7 7/8"		6730	6790	60'	7 7/8"		6790	6815	25'	7 7/8"																			
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.															
	4 1/2"	68-8"	6207-80	23-00	496.17	2.93	4 1/2"	69-	626936	2154	496.17	299 5/8'	4 1/2"	69 1/2-	6700-07	15.83	496.17	299 5/8'															
	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	15	6 1/4"	2 3/16"	466.17	DRILLING STRING	DRILL COLLARS	COLLAR	15	6 1/4"	2 3/16"	466.17	DRILLING STRING	DRILL COLLARS	COLLAR	15	6 1/4"	2 3/16"	466.17	DRILLING STRING	DRILL COLLARS												
	DATA	1	7 1/16"		30.00	162 M	45 M	DATA	1	7 1/16"		30.00	162 M	45 M	DATA	1	7 1/16"		30.00	162 M	45 M												
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									
	28	YH	2:30 AM		5 1/2		45	51	28	YH	2:30 AM		7 1/2		48	111	28	YH	2:30 PM	7:00 PM	15 1/2	6811	44	132	-								
SURVEYS	Bit Serial No. <i>E 94063</i> Table R.P.M. <i>70</i>						Bit Serial No. <i>E 94063</i> Table R.P.M. <i>69</i>						Bit Serial No. <i>E 94063</i> - <i>E 84246</i> Table R.P.M. <i>60</i>																				
	Jet or Conventional - <i>CONVENTIONAL</i> Nozzle Size <i>3 1/16"</i>						Jet or Conventional - <i>CONVENTIONAL</i> Nozzle Size <i>3 1/16"</i>						Jet or Conventional - <i>CONVENTIONAL</i> Nozzle Size <i>3 1/16"</i>																				
	Kind <i>Jet</i> at <i>6811</i> Ft. Deg. off <i>10</i>						Kind <i>Jet</i> at <i>6811</i> Ft. Deg. off <i>10</i>						Kind <i>Jet</i> at <i>6811</i> Ft. Deg. off <i>10</i>																				
	HOURS						HOURS						HOURS																				
PUMP 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												
	3				14		6	7 3/4			800	14	54	6	3 3/4			800	14	55	6												
	2 1/2			700	14	60	5 1/2					14	54	5 1/2					14	40	5 1/2												
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					
	3:00	5.5	9.6	8.4	11.1							4:00	4.8	9.6	10		<i>600</i>						5:00	4.7	9.6	8.0	9.5	<i>1000</i>					
	5:00	5.2	9.6	8.2	10.5							11:00	4.5	9.6	9.5		<i>1000</i>						7:00	5.7	9.6	6.2	9.0	<i>1000</i>					
	7:00	4.8	9.6	8.1	10.0							15:00	4.6	9.6	9.0		<i>500</i>						9:00										
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	Rig Serv.						Drill 7 7/8" Hole						Drill 7 7/8" Hole						Drill 7 7/8" Hole														
	Cut & Set 28" Line						Rig Serv. & BOP						Rig Serv. & BOP						Rig Serv. & BOP														
	Run in w/ 6" T 28"						Drill 7 7/8" Hole						Drill 7 7/8" Hole						Drill 7 7/8" Hole														
	Drill 7 7/8" Hole						Drill 7 7/8" Hole						Drill 7 7/8" Hole						Drill 7 7/8" Hole														
Driller	<i>B. Hardie</i>						<i>Dr. Smith</i>						<i>Dr. Smith</i>						<i>Dr. Smith</i>														

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:MNFR. DRILLING LINE IN USE
MNFR. OF KELLY HOSE IN USEREEL SERIAL No.
HOSE SERIAL No.DID YOU CHECK BLOWOUT
PREVENTER EQUIPMENT TODAY

YES NO

Total Contract Time hrs.

Total Company Time hrs.

Toolpusher *Louis*

Approved by

10E Martin L-50 66°50' N. 133°15' W.

LSD SEC. TWN. RGE. W.

Contractor Peter Brunden #16

Type Rig 64B Oilwell

Month May Day 24 1966

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												
		6558	6595	27	7 3/8							6595	6641	46	7 7/8							6641	6679	38	7 7/8													
		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.											
		4 1/2	66 3/4	6055.71	3487	496-17	28293 Rem 5:12					4 1/2	67-8	61146	1932	496-17	REAMER 5:12 293					4 1/2	67 3/4	614790	2588	496-17	293											
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	15	6 1/4	2 1/8	45617	DRILLING STRING			DRILL COLLARS					COLLAR	15	6 1/4	2 1/8	45617	DRILLING STRING			DRILL COLLARS					COLLAR	15	6 1/4	2 1/8	45617	DRILLING STRING			DRILL COLLARS		
		DATA	1	7 1/2		30.00	165 M			45 M					DATA	1	7 1/2		30.00	169 M			45 M					DATA	1	7 1/2		30.00	169 M			45 M		
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							
		27	FLG	4:30 AM		3 1/2	-	45	27		12		27	FLG	4:30 AM		11 1/4		49	73				27	FLG	4:30 AM		9 3/4	16 3/4	6679	44	111						
		Bit Serial No. E 84139 Table R.P.M. 70										Bit Serial No. E 84139 Table R.P.M. 70										Bit Serial No. E 84139 Table R.P.M. 70																
		Jet or Conventional - Nozzle Size										Jet or Conventional - CONVENTIONAL Nozzle Size 3 1/16										Jet or Conventional - Nozzle Size 3 1/16																
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															
		4		900	14	55	6					7 1/4		825	14	54 1/2	6					5 1/2		825	14	54	6											
		8		on bottom	14	40	5 1/2					2			14	5 1/2						on bottom	14		5 1/2													
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											
		5:00	89	9.6	7.0	8.5	Caustic 100#				8:00	45	9.7	8.0	10.	Gel 1000						5:00	47	9.6	7.6	9.5	Caustic 50											
		7:00	48	9.6	7.8	9.0	Pulver 100#				12:00	48	9.7	8.2	10							7:00	45	9.6	7.2	9.5	Gel 1000											
											2:00	46	9.6	8.2	9.5							9:00	52	9.6	9.4	9.5	Pulver 100											
																											Caustic 50											
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.											
		8656	6568	12	12	#8	Hydralog																															
DETAIL OF OPERATIONS AND REMARKS				From	To	Hrs.							From	To	Hrs.									From	To	Hrs.												
				12:00	1:30	1 1/2							8:00	9:00	1									4:00	9:30	5 1/2												
				1:30	2:30	1							9:00	9:15	1/4									9:30	9:45	1/4												
				2:30	4:00	1 1/2							9:15	4:00	6 1/4									9:45	12:00	2 1/4												
				4:00	4:30	1/2																																
				4:30	8:00	3 1/2																																

Contractor Peter Hansen #16

Type Rig 64B Catwalk

Month March

Day 23 1966

	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																															
	6453		6544		91		7 1/8		Pore 5.12		6544		6556		12		7 1/8				6556		6568		12		7 1/8																																	
	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.																									
	4 1/2		66 1/2		602568		14.10		496.17		2.93		4 1/2		66-S		602568		26.15		496.17		2.93		4 1/2		66 1/2		605591		3859		40367		5600 2.93																									
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		15		6 1/4		2 1/8		456.17		DRILLING STRING		COLLAR		15		6 1/4		2 1/8		456.17		DRILLING STRING		COLLAR		15		6 1/4		2 1/8		40367		DRILLING STRING																									
	DATA		1		7 1/8				30.00		160M		DATA		1		7 1/8				30.00		160M		DATA		1		7 1/8				153		40																									
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													
	25		YM		10:00 PM				10				45		107 37		26		YM		10:00 PM		11:00 PM		12 1/4		6336		42M		119 37		1B		Baylor		5:45 PM		11:00 PM		5:14		6568		16		10													
	Bit Serial No. E35293										Table R.P.M. 80										Bit Serial No. E35293										Table R.P.M. 80										Bit Serial No. 55-65										Table R.P.M. 60									
	Jet or Conventional -										Nozzle Size										Jet or Conventional -										Nozzle Size 3 1/4										Jet or Conventional -										Nozzle Size									
SURVEYS	Kind		at		Ft.		Deg. off		HOURS		Pump Press		Length of Pump Stroke		Strokes Per Min.		Liner Size		Kind		at		Ft.		Deg. off		HOURS		Pump Press		Length of Pump Stroke		Strokes Per Min.		Liner Size		Kind		at		Ft.		Deg. off																	
	On Line		Circulating						8		8		900		14		55		6		On Line		Circulating						2 1/4		825		14		6		On Line		Circulating						5 1/4		1250		14		60		5 1/4							
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													
	1:00		54		9.6		7.0		8.0		Caustic 1.00		8:30		45		9.7		7.8		10.0		BRT 1000		7:00		51		9.7		7.6		9.5		7:00		51		9.6		7.8		9.5																	
	3:00		52		9.6		7.2		9.5		Pilotex 1.00																																																	
	5:00		47		9.6		7.8		9.5																																																			
	7:00		46		9.6		7.8		9.5																																																			
CORING	From		To		Ft. Cored		Ft. Rec'd.		Core No.		Type Bbl.		From		To		Ft. Cored		Ft. Rec'd.		Core No.		Type Bbl.																																					

HEADING UP & DRLG. OUT:
DRILLING:
REAMING:

CLASSES OF TIME BREAKDOWN

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

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

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.

MNR. 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 *James M. Bell*

Approved by _____

10E L-40 Martin Home 66° 50' N 133° 15' W
 LSD SEC. TWN. RGE. W.

Contractor Peto, Bowden & Co.

Type Rig 64B Culwell

Month May

Day 22 1966

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																															
6427		6437		F10		7 1/8						6437		6437				7 7/8				6437		6453		16		7 7/8																																	
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.																											
4 1/2		65-1		5936.29		250		403.67		56.00		4 1/2		66		5996.53		403.67		C/A		2.93		4 1/2		65-1		5936.29		12.49		496.17																													
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		13		6 1/4		2 1/8		403.67		DRILLING STRING		DRILL COLLARS		COLLAR		13		6 1/4		2 1/8		403.67		DRILLING STRING		DRILL COLLARS		COLLAR		15		6 1/4		2 1/8		446.17		DRILLING STRING		DRILL COLLARS																					
DATA								150 M		45 M		DATA		PACKER				58.18		117 M				DATA		1		7 1/8		2.00		158		45																											
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													
1B		Packer		8:30 PM		3 AM		6 1/2		6437		16																																																	
Bit Serial No.		55-65		Table R.P.M.		30		Bit Serial No.		55-65		Table R.P.M.		30		Bit Serial No.		E 35293		Table R.P.M.		60		Bit Serial No.		E 35293		Table R.P.M.		60		Bit Serial No.		E 35293		Table R.P.M.		60		Bit Serial No.		E 35293		Table R.P.M.		60															
Jet or Conventional		Jet		Nozzle Size		Nozzle Size		Jet or Conventional		Jet		Nozzle Size		Nozzle Size		Jet or Conventional		Jet		Nozzle Size		Nozzle Size		Jet or Conventional		Jet		Nozzle Size		Nozzle Size		Jet or Conventional		Jet		Nozzle Size		Nozzle Size		Jet or Conventional		Jet		Nozzle Size		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		3				1250		14		60		5 1/2		No. 2		3				1250		14		60		5 1/2		No. 1		3				1250		14		60		5 1/2		No. 2		3				1250		14		60		5 1/2							
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		Time		Visc.		Wt.		W L		pH		ADDITIVES — POUNDS	
100		5.1		9.6		6.8		9.0						100		5.1		9.6		6.8		9.0						100		5.1		9.6		6.8		9.0						100		5.1		9.6		6.8		9.0											
200		50		9.6		6.8		9.0						200		50		9.6		6.8		9.0						200		50		9.6		6.8		9.0						200		50		9.6		6.8		9.0											
300														300														300																																	
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.													
6410		6427		27		27		#7		Hydrolog.				6410		6427		27		27		#7		Hydrolog.				6410		6427		27		27		#7		Hydrolog.				6410		6427		27		27		#7		Hydrolog.									
DETAIL OF OPERATIONS AND REMARKS		From		To		Hrs.		From		To		Hrs.		From		To		Hrs.		From		To		Hrs.		From		To		Hrs.		From		To		Hrs.		From		To		Hrs.		From		To		Hrs.													
Cut core # 7		12:00		3:00		3:00		Make up Testing Tools		8:00		9:45		13 1/4		Hoist w/ Packer		10:00		16:00		2		Break 9' Lay down Packer		10:00		17:45		1 3/4		Run in w/ Bit		10:00		17:45		1 3/4		Run in w/ Bit		10:00		17:45		1 3/4		Run in w/ Bit		10:00		17:45		1 3/4							
Joint core # 7		3:00		5:30		2 1/2		Run in w/ same 2.5" 6295-		9:45		12:00		2 1/4		Run in w/ Bit		10:00		17:45		1 3/4		Run in w/ Bit		10:00		17:45		1 3/4		Run in w/ Bit		10:00		17:45		1 3/4		Run in w/ Bit		10:00		17:45		1 3/4		Run in w/ Bit		10:00		17:45		1 3/4							
Packer core + run in w/ 2.5" 6295-		5:30		6:30		1		6437		12:00		3:15		3 1/4		Run in w/ Bit		10:00		17:45		1 3/4		Run in w/ Bit		10:00		17:45		1 3/4		Run in w/ Bit		10:00		17:45		1 3/4		Run in w/ Bit		10:00		17:45		1 3/4		Run in w/ Bit		10:00		17:45		1 3/4							
Run in w/ Bit - changed mud +		6:30		7:00		1/2		TESTING		3:15		3:45		1/2		Run in w/ Bit		10:00		17:45		1 3/4		Run in w/ Bit		10:00		17:45		1 3/4		Run in w/ Bit		10:00		17:45		1 3/4		Run in w/ Bit		10:00		17:45		1 3/4		Run in w/ Bit		10:00		17:45		1 3/4							
hoist to test								LAY TESTING HEAD DOWN		3:15		3:45		1/2		Run in w/ Bit		10:00		17:45		1 3/4		Run in w/ Bit		10:00		17:45		1 3/4		Run in w/ Bit		10:00		17:45		1 3/4		Run in w/ Bit		10:00		17:45		1 3/4		Run in w/ Bit		10:00		17:45		1 3/4							
Make up Tester		7:00		8:00		1		HOIST FOR PACKER		3:45		4:00		1/4		Run in w/ Bit		10:00		17:45		1 3/4		Run in w/ Bit		10:00		17:45		1 3/4		Run in w/ Bit		10:00		17:45		1 3/4		Run in w/ Bit		10:00		17:45		1 3/4		Run in w/ Bit		10:00		17:45		1 3/4							
								RECOVERED GOOD FLUID																																																					

Driller: W. J. Smith

Driller: B. H. Hurd

Driller: B. H. Hurd

 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: J. H. Hurd

Approved by: J. H. Hurd

LSD. SEC. TWN. RGE. W. Contractor *Pittsford* Type Rig *64 B* Month *11* Day *21* 19*66*

	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										
	6348	6373	26	7 1/8			6373	6410	40	7 7/8			6410	6427	17	7 1/8	JANIS 1093 S.D. 293										
	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.									
	4 1/2	64 3/4	8874.93	23.00	407.67	56.00	4 1/2	64.0	5874.8	30.85	496.17	REMAINDER 5' 13" C.O. 2.93	4 1/2	65-1	5926.29	17.21	403.67	56.00									
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	13	6 1/4	2 1/8	407.67	DRILLING STRING	COLLAR	13	6 1/4	2 1/8	407.67	DRILLING STRING	COLLAR	13	6 1/4	2 1/8	403.67	DRILLING STRING									
	DATA					150 M	DATA	1	7 1/8		30.00	163 M	DATA					154 M									
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										
	18	D	10 08 PM	3 AM	5 1/4	6373	16	43		26	Y.M.	11 45 AM	2 30 PM	1 1/2	6410	52 M	40	43									
	Bit Serial No. 55-65						Table R.P.M. 80						Bit Serial No. 55-65						Table R.P.M. 80								
	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	
50% 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									
No. 1	On Line	Circulating					On Line	Circulating					On Line	Circulating													
No. 2	3 3/4	on line			40	6	4 1/2	1		900	14	5 1/2	4	on line			1250	14	58	5 1/2							
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							
	1:00	51	9.6	7.6	9.0	1500#		1:00	52	9.7	7.2	9.5			9"	51	9.7	6.8	9.5								
	3:00	55	9.6	7.2	9.6	100#									11"	52	9.7	6.5	9.								
	5:00					100#																					
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.									
	7330	7323	43	27	#6	Hyalog							6410				#7	Hyalog									
DETAIL OF OPERATIONS AND REMARKS		From	To	Hrs.		From	To	Hrs.		From	To	Hrs.		From	To	Hrs.											
	Cut core #6	12:00	3:45	3 1/4		R.G. Sea	8:00	8:15	1/4		Hoist to core	4:00	5:00	1													
	Hoist core #6	3:45	5:45	2 1/2		RAN IN W/ B.T #26	8:15	10:00	1 3/4		SHIP & CUT 44' LINE	5:00	5:30	1/2													
	Reamer iron + service core bbl	5:45	6:30	2 1/4		REAMING RAT HOLE	10:00	11:45	1 3/4		R.G. Sea	5:30	5:45	1/4													
	Change bearing in core bbl	6:30	7:30	1		DRUG 7 7/8" HOLE	11:45	1:15	1 1/2		RAN IN W/ CORE BBL	5:45	8:00	2 1/4													
	Check BO P's	7:30	7:45	1/4		CIRC 6410 SAMPLE	1:15	2:15	1		CIRC TO RTM & CIRC	8:00	8:30	1/2													
	Run in DC's	7:45	8:00	1/4		SURVEY @ 6410	2:15	2:30	1/4		CUT CORE #7	9:30	12:00	3 1/2													
						Hoist to core	2:30	4:00	1 1/2																		
	Driller	[Signature]					Driller	[Signature]					Driller	[Signature]													

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:	R. O. REPAIRS:	CONDITION HOLE:	LOST CIRC.:	MNFR. OF JOEY HOSE IN USE	HOSE SERIAL No.	1	YES	NO

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

10E Marten House 2-50 66° 50' N 133° 15' W
LSD. SEC. TWN. RGE. W.

Contractor Peter Bruden #16

Type Rig 64B Oilwell Month May Day 20 1966

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						
		6220	6265	45	7 7/8									6265	6330	65	7 7/8									6330	6347	17	7 7/8							
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.								
	4 1/2	63	5025.92	40.70	496.17	net 2.93						4 1/2	64	5215.66	15.24	496.17	C.O. 2.93						4 1/2	64.1	5244.99	23.51	403.57	C/O 2.93 3600								
	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	15	6 1/2	2 3/4	46.17	DRILLING STRING DRILL COLLARS						COLLAR	15	6 1/2	2 3/4	46.17	DRILLING STRING DRILL COLLARS						COLLAR	13	6 1/2	2 3/4	40.357	DRILLING STRING DRILL COLLARS								
DATA		1	7 7/8	30.00	160 M 45 M						DATA		1	7 7/8	20.00	158 M 1.5 M						DATA					156 H.C.									
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						
	24	M42	8:45 AM	5:15 AM	20 1/4	6235	52 M	181	-				25	M42	10:45 AM		4		52	65					13	Bayless	10:20 AM		2		16	17				
	Bit Serial No. 901372 Table R.P.M. 60												Bit Serial No. 901373 Table R.P.M. 60												Bit Serial No. 55-65 Table R.P.M. 80											
	Jet or Conventional - Nozzle Size												Jet or Conventional - Conventional Turbine Nozzle Size 3 1/2												Jet or Conventional - 6 Nozzle Size											
SURVEYS	Kind	Notes at 6265 Ft.				1 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																						
	54		800	14	55	6			780	14	54	6			1250	14	60	5 1/2																		
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								
	1:00	51	9.6	7.6	9.0	Ref 1000						1:15	46	9.6	7.2	9.0																				
	3:00	47	9.6	7.6	9.0	Ref 500						3:00	45	9.6	7.2	9.0																				
	5:00	50	9.6	6.8	9.0																		11:00	47	9.6	6.4	8.5									
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.																		
DETAIL OF OPERATIONS AND REMARKS			From	To	Hrs.			From	To	Hrs.			From	To	Hrs.																					
	Drill 7 7/8" Hole		12:00	5:15	5 1/4	Run in		8:00	8:15	1/4	Run in		8:00	8:15	1/4																					
	Survey		5:15	5:30	1/4	R.G. Set		8:15	8:30	1/4	Trip to Core		4:15	9:30	5 1/4																					
	Hight Bit # 24		5:30	7:45	2 1/4	Ship & cut 38' D line		8:30	9:00	1/2	Clean to BTM of SRC		9:30	10:00	1/2																					
Check BP's, change bit, measure		7:45	8:00	1/4	Run in w/ 3 1/2" 20'		9:00	10:30	1 1/2	Cut Core 6		10:00	12:00	2																						
Survey					Break C.R. clean to BTM		10:30	10:45	1/4																											
					Drill 7 7/8" Hole		10:45	2:45	4																											
					Circ. 6336 Sample		2:45	4:00	1 1/4																											
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 Time hrs. Total Company Time hrs. Toolpusher Approved by

10E Martin House L-50 55° 50' N 133° 15' W
 LSD SEC. TWN. RGE. W.

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 31

 Contractor Pete Bandon #16 Type Rig 64B DeWitt Month May Day 19 1956

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									
		6055	6084	29	7 3/8							6084	6148	64	7 7/8							6148	6220	72	7 7/8										
DRILLING STRING		Size-D.P.	Stands	Singles	Kelly m	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.										
		4 1/2	61-5544-25	40.70	496.17	2.93					4 1/2	62	5635.91	12.99	496.17	2.93					4 1/2	62 1/2	5646.98	23.92	496.17	2.93									
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		15	6 1/4	2 1/8	466.17	DRILLING STRING				COLLAR		15	6 1/4	2 1/8	466.17	DRILLING STRING				COLLAR		15	6 1/4	2 1/8	466.17	DRILLING STRING									
DATA		1	7 3/8	□	30.00	156 M 45 M				DATA		1	7 3/8	□	30.00	160 M 45 M				DATA		1	7 3/8	□	30.00	160 M 45 M									
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						
		23	YH	2:30 pm	2:45	12	6094	52	105			24	YH	8:45	9:14	15	6148	55	126			24		YH	8:45	9:15	15	6148	55	126					
		Bit Serial No. <u>EN 2196</u> Table R.P.M. <u>60</u>										Bit Serial No. <u>701372</u> Table R.P.M. <u>60</u>										Bit Serial No. <u>901372</u> Table R.P.M. <u>60</u>													
		~~Jet~~ or Conventional - Nozzle Size										~~Jet~~ or Conventional - Nozzle Size										~~Jet~~ or Conventional - Nozzle Size <u>3 1/2</u>													
SURVEYS		Kind <u>Gates</u> at <u>6084</u> Ft. <u>2</u> Deg. off										Kind <u>at</u> Ft. <u>2</u> Deg. off										Kind <u>at</u> Ft. <u>2</u> 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	800	14	55	6				On Line	Circulating	790	14	54	6				On Line	Circulating	775	14	54	6										
		<u>Horizontal</u>			14	40	5 1/2				<u>3 1/2</u>			14	50	5 1/2				<u>on Tinker</u>			14		5 1/2										
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								
		1:00	46	9.6	2.2	9.5							11:00	47	9.6	2.0	9.5	GEL 1500						5:00	46	9.5	2.6	10	CAUSTIC 50#						
		3:00	45	9.6	7.4	9.5							1:30	43	9.5	7.2	9.0	PILTEX 50						8:00	46	9.6		8.5	PILTEX 50#						
													3:30	45	9.5		7.5	CAUSTIC 50						11:00	45	9.6	7.8	9	PILTEX 100#						
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.							
		Drill 7 3/8" hole				12:00	2:45	2 3/4	FINISH TRIP IN HOLE				8:00				8:45	1/4	DRILL 7 7/8" HOLE				4:00				6:45	2 3/4							
		Run in				2:45	3:00	1/4	RIG SER.				8:45				9:00	1/4	RIG SER.				6:45				7:00	1/4							
		Point bit #23				3:00	5:00	2	CLEAR 12" TO BOTTOM				9:00				9:45	1/4	DRILL 7 7/8" HOLE				7:00				12:00	5							
		Work on air compressor lines				5:00	6:00	1					9:45				10:00	1/4																	
		Change bits check BOP's				6:00	6:15	1/4																											
		Run in bit #24				6:15	8:00	1 3/4																											
Driller		<u>W. Ginn</u>								Driller				<u>B. Hardie</u>								Driller				<u>W. Ginn</u>									

 CLASSES OF TIME BREAKDOWN
 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 F. Burt Approved by W. Ginn

Form 34402 (300 bks.-11-62)
10E Martin House L-50 66°50' N 133°15' W
LSD. SEC. TWN. RGE.

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 30

Contractor Peter Bowden #16 Type Rig 648 Oilwell Month Mar Day 18 1966

	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																			
	5945	5979	34	7 $\frac{3}{8}$ "			5979	5987	8	7 $\frac{1}{8}$ "			5987	6055	68	7 $\frac{1}{8}$ "																				
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.																		
	4 $\frac{1}{2}$	60-	5453.30	28.60	496.17	net 2.93	4 $\frac{1}{2}$	60	5453.36	34.60	496.17	8.06 2.93	4 $\frac{1}{2}$	61	5544.25	11.65	496.17	9.0 2.93																		
	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	15	6 $\frac{1}{4}$	2 $\frac{3}{16}$	466.17	DRILLING STRING	DRILL COLLARS	COLLAR	15	6 $\frac{1}{4}$	2 $\frac{3}{16}$	466.17	DRILLING STRING	DRILL COLLARS	COLLAR	15	6 $\frac{1}{4}$	2 $\frac{3}{16}$	466.17	DRILLING STRING	DRILL COLLARS															
	DATA	1	7 $\frac{1}{8}$ "	□	30.00	150 M	45 M	DATA	1	7 $\frac{1}{8}$ "	□	30.00	150 M	45 M	DATA	1	7 $\frac{1}{8}$ "	□	30.00	150 M	45 M															
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										
	22	Y.M.	10 $\frac{30}{AM}$	5:00	17 $\frac{1}{2}$	5929	45	127	15	23	Y.H.	2:00 PM		1 $\frac{1}{2}$		52	8		23	Y.H.R.	2:00 PM		9 $\frac{1}{4}$		52	76										
	Bit Serial No. 35292						Table R.P.M. 80						Bit Serial No. EN 2196						Table R.P.M. 60						Bit Serial No. EN 2196						Table R.P.M. 60					
	Conventional -						Nozzle Size						Jet or Conventional -						Nozzle Size 3 $\frac{1}{16}$ "						or Conventional -						Nozzle Size 2 $\frac{1}{16}$ "					
SURVEYS	Kind	Totals at 5979 Ft.				1° 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																						
	5		800	14	55	6	4 $\frac{1}{2}$		720	14	54	6	7 $\frac{3}{8}$		750	14	52	6																		
MUD RECORD	Time	Visc.	Wt.	WL	pH	ADDITIVES — POUNDS		Time	Visc.	Wt.	WL	pH	ADDITIVES — POUNDS		Time	Visc.	Wt.	WL	pH	ADDITIVES — POUNDS																
	1:00	47	9.6	7.0	9.5	Gel — 1000		2:00	43	9.6	7.4	9.5	GEL 1000		5:00	47	9.6	7.4	9	Gel 1000																
	3:00	43	9.6	7.0	9.5			3:30	43	9.6	7.4	9.6			7:00	46	9.6	7.8	9	CAUSTIC 50"																
	5:00	43	9.6	7.2	9.5										9:00	44	9.5	7.4	8.5	Pentex 100"																
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 OPERATIONS AND REMARKS		From	To	Hrs.		From	To	Hrs.		From	To	Hrs.																								
	Drill 7 $\frac{3}{8}$ " hole	12:00	5:00	5:00	R.G. SER	8:00	8:30	1 $\frac{1}{2}$	Drill 7 $\frac{1}{8}$ " Hole	4:00	4:45	3 $\frac{1}{4}$																								
	Survey	5:00	5:15	$\frac{1}{4}$	Cut & Set D.C.'s	8:30	9:00	3 $\frac{1}{4}$	Rig Ser	4:45	5:00	1 $\frac{1}{4}$																								
	Mount bit # 22	5:15	7:30	2 $\frac{1}{4}$	Work on Air System	9:00	9:45	3 $\frac{1}{4}$	Drill 7 $\frac{1}{8}$ "	5:00	12:00	7																								
	Check BOP's change bits	7:30	7:45	$\frac{1}{4}$	RAN IN W/B.T. # 23	9:45	11:00	2																												
	Run in DC's	7:45	8:00	$\frac{1}{4}$	Rig to STM	11:00	2:30	2 $\frac{3}{4}$																												

CLASSES OF TIME BREAKDOWN

CEASED OF TIME BREAKDOWN									
HEADING UP & DRLG. OUT:	TOTCO:	CONDITIONING MUD:	CASING:	LOGGING:	RIG MAINTENANCE:	REAMING CLEANING:	MNFR. DRILLING LINE IN USE	REEL SERIAL No.	PREVENTER EQUIPMENT TODAY
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 F. Duck Approved by Don Ruff

LSD 50 SEC 66 TWN 50 RGE 133 W 15 Contractor PETER BARBER DRILLING LTD Type Rig Quinnell 64 B Month MAY Day 17 19 66

	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																															
	5817		5852		35		7 7/8				5852		5890		38		7 7/8		Bear Pool		5890		5945		55		7 7/8																																	
	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.																									
	4 1/2		58 3/4		5832		14		2076		496.17		293		4 1/2		59		5862.54		28.35		496.17		2.93		4 1/2		59.0		5832.91		28.09		496.17		2.93																							
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		15		6 1/4		2 3/8		466.17		DRILLING STRING		COLLAR		15		6 1/4		2 3/8		466.17		DRILLING STRING		COLLAR		15		6 1/4		2 3/8		466.17		DRILLING STRING																									
	DATA		1		7 1/8				30.00		148		45		DATA		1		7 1/8				30.00		150 M		45 M		DATA		1		7 1/8				30.00		150 M																					
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													
	21		BWJ		10:30 AM		6:00		18 1/2		5852		45		132		22		YM		10:30 AM		-		5		45		38		22		YM		10:30 AM		-		5		45		38																	
	Bit Serial No. 91338										Table R.P.M. 80										Bit Serial No. 35292										Table R.P.M. 80										Bit Serial No. 35292										Table R.P.M. 80									
	or Conventional -										Nozzle Size 3 1/8										or Conventional -										Nozzle Size										Jet or Conventional -										Nozzle Size 3 1/8									
SURVEYS	Kind		TSTCO		at		5850		Ft.		10		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																			
	5 3/4						8.00		14		54		6		5						8.00		14		55		6		7 1/2						12		7 1/2		14		54		6																	
							on tank		14				5 1/2								8 on tank		14		40		5 1/2																																	
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													
	2		45		9.7		4.2		9.		Gel 1600 #		11:00		48		9.6		7.2		10		Gel 900 #		4:15		46		9.6		7.2		9.5		Gel 1400		4:00		46		9.6		7.2		9.5		Caustic 50													
	4		50		9.7		7.2		10.		Gel 50 #		1:00		45		9.6		7.6		9.5		Gel 100 #																																					
	6		46		9.6		6.8		10.		Caustic 50 #		3:00		42		9.6		7.6		9.0		Caustic 50 #																																					

CLASSES OF TIME BREAKDOWN										DID YOU CHECK BLOWOUT PREVENTER EQUIPMENT TODAY	
HEADING UP & DRG. OUT:	TOTCO:	CONDITIONING MUD:	CASING:	LOGGING:	RIG MAINTENANCE:	REAMING CLEANING:	MNFR. DRILLING LINE IN USE	REEL SERIAL No.			
DRILLING:	FISHING:	TIPPING:	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 T. Smith Approved by [Signature]

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 27

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							
		5537	5574	37	1 1/16							5574	5615	41	7 3/8	Run Rock.						5615	5682	67	7 7/8								
DRILLING STRING		Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.			DRILLING STRING		Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.			DRILLING STRING		Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.						
		4 1/2	50	5920	3934	40367	5660					4 1/2	56	50	90.34	20	44	476.17	511 393					4 1/2	56	2	5130.99	26.82	946.17	511 393			
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		13	6 1/2	2 3/16	40367	DRILLING STRING				COLLAR		15	6 1/4	2 1/8	460.17	DRILLING STRING				COLLAR		15	6 1/4	2 3/16	466.17	DRILLING STRING							
DATA						142				40				DATA						30.00				DATA						30.00			
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				
		13	8-1/2	9:45pm	5	7	5574	18	50			20	M4N	12 noon	-	4	-	45	41	30			20	MAN	12:00pm	-	4	-	45	108			
		Bit Serial No. 55-65				Table R.P.M. 80						Bit Serial No. 901353				Table R.P.M. 80						Bit Serial No. 901353				Table R.P.M. 80							
		Jet or Conventional - Diamond				Nozzle Size						Jet or Conventional -				Nozzle Size						Jet or Conventional - Conventional				Nozzle Size 3-1/16							
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									
		4 3/4		1250		14		58		5 1/2		4		8 on line		14		55		6		7 3/4		5		800		14		56		6	
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	47	9.6		10.																											
		4	47	9.6	7.2	9.5					1:00		45	9.6	7.3	9	Cleaned shaker tank				8:45		47	9.7	7.1	10	CAUSTIC 50						
										3:00		44	9.6	7.3	9					10:30		46	9.7		10.	P-ELTEX 50							
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.										
		5524	5574	50	50	#5	H4C Log 50'																										
DETAIL OF OPERATIONS AND REMARKS				From	To	Hrs.					From	To	Hrs.									From	To	Hrs.									
		CUTTING CORE #5		12	12:15	1/4					Big service & back BOP's		8:00	8:15	1/4					DRILL 7 7/8" HOLE		4:00	6:00	2									
		K.O. SER		12:15	12:30	1/4					Run in drill collar		8:15	8:45	1/2					R.E. SERVICE		6:00	6:15	1/4									
		CUT CORE #5		12:30	5	4 1/2					Stop & cut 44' drilling line		8:45	9:45	1					DRILL		6:15	8:20										

HEADING UP & DRLG. OUT: DRILLING: REAMING:	CLASSES OF TIME BREAKDOWN TOTCO: FISHING: CIRCULATING:	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 ☐
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Total Contract Time hrs. Total Company Time hrs. Toolpusher T. Burke Approved by [Signature]

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 26

LSD..... SEC..... TWN..... RGE..... W..... Contractor PETER BANDER 1965 LTD Type Rig Calwell 445 Month MAY Day 12 19 66

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									
5445	5469	24	7 7/8			5469	5524	55	7 7/8		5524	5537	13	7 3/4										
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.						
	4 1/2	54-1	493697	3293	496.17	9 293	4 1/2	55-49377.72	2713	496.17	2.93	4 1/2	55-5	5024.74	26.76	403.67	56.00	503.5024.74 13.82						
	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	15	6 1/4	2 3/8	466.17	DRILLING STRING	DRILL COLLARS	COLLAR	15	6 1/4	2 3/8	466.17	DRILLING STRING	DRILL COLLARS	COLLAR	13	6 1/4	2 3/8	403.67	DRILLING STRING	DRILL COLLARS			
DATA	1	7 7/8			30.00	145 M	45 M	DATA	1	7 7/8			30.00	145 M	45 M	DATA					142 M	40 M		
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
	19	MW	5 AM		3		40	24	19	MW	5 AM	2 1/2 PM	9 3/4	5524	45	79	1-6	3 1/2 PM	9 40 PM	2 1/4		15		
	Bit Serial No.	837610	Table R.P.M.	80	Bit Serial No.	837610	Table R.P.M.	80	Bit Serial No.	55-65	Table R.P.M.	80	Jet or Conventional	-	Nozzle Size	3/4	Kind	T.T.C.	at	5524	Ft.	3 1/2	Deg. off	
	Kind	T.T.C.	at	5446	Ft.	1	Deg. off	Kind	T.T.C.	at	5524	Ft.	3 1/2	Deg. off	Kind	T.T.C.	at	5524	Ft.	3 1/2	Deg. off			
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						
	3 1/4		775	14	54	6	7 1/2		800	14	55	6	2 1/2		1256	14	58	5 1/2						
	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	9.6	49			GEL 1400 M	9:00	55	9.6	6.3	9	Caustic 75#	10:30	46	9.6		16							
DRILLING	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.						
													5524	5537	13		5	Hy Calog						
	From	To	Hrs.	From	To	Hrs.	From	To	Hrs.	From	To	Hrs.												
	5:00	5:45	3/4	8:00	8:45	1/4	9:00	9:00	1/4	9:00	9:00	1/4												
TAIL OF PER-ONS AND MARKS	From	To	Hrs.	From	To	Hrs.	From	To	Hrs.	From	To	Hrs.												
	5:00	5:45	3/4	8:00	8:45	1/4	9:00	9:00	1/4	9:00	9:00	1/4												
	5:00	5:45	3/4	8:00	8:45	1/4	9:00	9:00	1/4	9:00	9:00	1/4												
	5:00	5:45	3/4	8:00	8:45	1/4	9:00	9:00	1/4	9:00	9:00	1/4												

Driller SR JetteDriller M JuntDriller B Harsh

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

Total Contract Time hrs. Total Company Time hrs. Toolpusher F. Junt Approved by J. Junt

LSD. SEC. TWN. RGE. W. Contractor PETER BAWDEN 1964 LTD Type Rig Oshworth 64E Month MAY Day 12 1966

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.

Day 13 1946

DEPTH	From					To					Hole Made					Hole Size					Formation											
	5290					30					5325					77/8																
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.									
	4 1/2		5242		4785.36		4054		496.17		293 4/0		4 1/2		5373		4876.69		1921		496.17		293 2/3									
DRILL	Number		OD		ID		Length		INDICATOR		WEIGHT OF TOTAL		DRILL		Number		OD		ID		Length		INDICATOR		WEIGHT OF TOTAL							
	15		6 1/4		2 3/16		44617		DRILLING STRING		DRILL COLLARS		15		6 1/4		2 3/16		44617		DRILLING STRING		DRILL COLLARS									
COLLAR	DATA		F		7 13/16		3000		143m		45m		COLLAR		DATA		1		7 13/16		30.00		145M		45M							
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	
	17		MHN		5AM		1230AM		18 3/4		5295		42		158		18		MHN		5AM		-		10 1/4		-		45		100	
	18		MHN		5AM												18		MHN		5AM											
Bit Serial No. 901357 784146 Table R.P.M. 80														Bit Serial No. 784146 Table R.P.M. 80																		
Jet or Conventional - Nozzle Size 3 1/16														Jet or Conventional - Nozzle Size 3 1/16																		
SURVEYS	Kind		TOTO		at		5295		Ft.		1/2		Deg. off		Kind		TOTO		at		5295		Ft.		1/2		Deg. off					
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					
	3 1/4						750		14		54		6		7 3/4						750		14		54		6					
							6-10-10		14		5 1/2										600		14		5 1/2							
MUD RECORD	Time		Visc.		Wt.		V. L		pH		ADDITIVES - POUNDS		Time		Visc.		Wt.		V. L		pH		ADDITIVES - POUNDS									
	6 AM		52		9.6		6.0		10		6CL 1200#		9:00		48		9.6		7.5		9.5		222 1200#									
													11:00		49		9.6		7.2		9.5											
													1:00		46		9.6		7.5		9.5											
													3:00		45		9.6		7.6		9.5											
CORING	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.		DRLG 7 7/8 Hole <th colspan="2">12 00<th colspan="2">12 30<th colspan="2">1/2<th colspan="2">Rig now + check BOP's - change pumps<th colspan="2">8 00<th colspan="2">8 15<th colspan="2">1/4<th colspan="2">DRLG 7 7/8 Hole<th colspan="2">4 00<th colspan="2">4 30<th colspan="2">3 1/2</th></th></th></th></th></th></th></th></th></th></th>		12 00 <th colspan="2">12 30<th colspan="2">1/2<th colspan="2">Rig now + check BOP's - change pumps<th colspan="2">8 00<th colspan="2">8 15<th colspan="2">1/4<th colspan="2">DRLG 7 7/8 Hole<th colspan="2">4 00<th colspan="2">4 30<th colspan="2">3 1/2</th></th></th></th></th></th></th></th></th></th>		12 30 <th colspan="2">1/2<th colspan="2">Rig now + check BOP's - change pumps<th colspan="2">8 00<th colspan="2">8 15<th colspan="2">1/4<th colspan="2">DRLG 7 7/8 Hole<th colspan="2">4 00<th colspan="2">4 30<th colspan="2">3 1/2</th></th></th></th></th></th></th></th></th>		1/2 <th colspan="2">Rig now + check BOP's - change pumps<th colspan="2">8 00<th colspan="2">8 15<th colspan="2">1/4<th colspan="2">DRLG 7 7/8 Hole<th colspan="2">4 00<th colspan="2">4 30<th colspan="2">3 1/2</th></th></th></th></th></th></th></th>		Rig now + check BOP's - change pumps <th colspan="2">8 00<th colspan="2">8 15<th colspan="2">1/4<th colspan="2">DRLG 7 7/8 Hole<th colspan="2">4 00<th colspan="2">4 30<th colspan="2">3 1/2</th></th></th></th></th></th></th>		8 00 <th colspan="2">8 15<th colspan="2">1/4<th colspan="2">DRLG 7 7/8 Hole<th colspan="2">4 00<th colspan="2">4 30<th colspan="2">3 1/2</th></th></th></th></th></th>		8 15 <th colspan="2">1/4<th colspan="2">DRLG 7 7/8 Hole<th colspan="2">4 00<th colspan="2">4 30<th colspan="2">3 1/2</th></th></th></th></th>		1/4 <th colspan="2">DRLG 7 7/8 Hole<th colspan="2">4 00<th colspan="2">4 30<th colspan="2">3 1/2</th></th></th></th>		DRLG 7 7/8 Hole <th colspan="2">4 00<th colspan="2">4 30<th colspan="2">3 1/2</th></th></th>		4 00 <th colspan="2">4 30<th colspan="2">3 1/2</th></th>		4 30 <th colspan="2">3 1/2</th>		3 1/2			
							Survey Rig Ser		12 30		12 45		1/4										R.C. Ser		7 30		7 45		1/4			
							TRIP FOR BIT		12 45		4 45		4		Drill 7 3/8 Hole		8 15		4 00		7 3/4		DRLG		7 45		12 00		4 1/4			
							CLEAN 6' TO BTM		4 45		5 00		1/4																			
							DRLG 7 7/8 Hole		5 00		8 00		3																			
							1 BOP																									
Driller: BR Cuth														Driller: W. G. Ginn																		
Driller: B. H. Archie																																

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 T. Duckert Approved by [Signature]

Contractor PETER BAWDEN 1914 LTD

Type Rig 2.1 well GNB Month MAY Day 12 1966

Approved by: W. J. Field

YES _____ NO _____

Approved by: W. J. Field

LSD..... SEC..... TWN..... RGE..... W.....

Contractor Peter E. Gaudin 1966 LTD

Type Rig Delaware 643Month 12-15

Day 11 19 66

	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																
DEPTH	4990	5029	39	7 7/8		5029	5105	76	7 3/4		5105	5137	32	7 7/8																	
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.													
	4 1/2	49-1	448466	4012	49617		4 1/2	50 3/4	4573-54	2724	49617	reamer 5.12	4 1/2	50-0	44-3-9	29-69	49617														
	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	15	6 1/4	2 3/16	46617	DRILLING STRING	DRILL COLLARS	COLLAR	15	6 1/4	2 3/16	46617	DRILLING STRING	DRILL COLLARS	COLLAR	15	6 1/4	2 3/16	46617	DRILLING STRING	DRILL COLLARS										
DATA	1	7 3/16		30	138	45	DATA	1	7 3/16		30-00	140M	45M	DATA	1	7 3/16		30-00	142M	45M											
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							
	16RR	M4N	2 45 am		5 1/4		35-40	39	16RR	M4N	2 45 am		13	-	42	115	75	11-20	2400	2 45 am	9 00 am	19 1/2	5 1/30	42	140						
	Bit Serial No.	901257	Table R.P.M.	80	Jet or Conventional	Nozzle Size	3-1/16	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	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			
SURVEYS	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	
	6 1/2		800	14	55	6	7 3/4		750	14	55	6	4 1/2		750	14	55	6	4 1/2		750	14	55	6	4 1/2		750	14	55	6	
	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	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	
	3"	55	9.7	6	9.	Gal 1200"	5"	48	9.7	6.6	9.	Celltex 50"	7"	44	9.6	7	9.5	CAUSTIC 50"	4 3/4	38	9.5	7.8	10.	Cell 2000	7 1/2	44	9.6	7.6	10.	CELL 2000	
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.	From	To	Hrs.	From	To	Hrs.	From	To	Hrs.	From	To	Hrs.	From	To	Hrs.	From	To	Hrs.	From	To	Hrs.	
Driller: <u>SR Luffe</u>						Driller: <u>W Jurek</u>																									

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.		YES	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.			

Total Contract Time hrs. Total Company Time hrs. Toolpusher: J. Buckle Approved by: Tom Kuch

MNFR. DRILLING LINE IN USE _____ REEL SERIAL No. _____ DID YOU CHECK BLOWOUT
 PREVENTER EQUIPMENT TODAY _____
 MNFR. OF KELLY HOSE IN USE _____ HOSE SERIAL No. _____ YES ☒ NO ☐
 Approved by: *[Signature]*

Type Rig

Month _____ Day _____

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

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

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	

Approved by _____

DID YOU CHECK BLOWOUT
PREVENTER EQUIPMENT TODAY

YES ☒ NO ☐

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 20

LSD SEC. TWN. RGE. W.

Contractor BAWDEN RIG 16

Type Rig 2-L Well 643

Month MAY

Day 2 1966

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
		4711	4720	9	7 1/2	

DRILLING STRING		Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
		4 1/2	45-2	4149-80	15-96	501-31	REAMERS 14

BIT RECORD		No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE
		18	Q	2:15 PM	1:45 PM	11 1/4	4700	11	50

SURVEYS		Kind	at	Ft.	Deg. off
		HOURS			

MUD RECORD		Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
		12:15	57	9.9	6.7	9.0	

CORING		From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.
		4671	4720	50	50	#1	Hypocore

DETAIL OF OPERATIONS AND REMARKS		From	To	Hrs.
CUTTING CORE #1		12:00	1:45	1 1/4
BREAK CORE		1:45	3:40	2
R.C. SER		3:40	4:00	1/4
RECOVER CORE & BOX FULL RECOVER		4:00	5:00	1
SER CORE BBL		5:00	5:40	3/4
RAN IN W/ BIT # 15		5:40	7:15	1 1/2
REAMING RAT 1400		7:15	8:00	3/4

CORING		From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.

DETAIL OF OPERATIONS AND REMARKS		From	To	Hrs.
Rig Ser		8:00	8:15	1/4
Ream to Btm		8:15	10:00	1 3/4
DRILL 7 1/2" Hole		10:00	4:00	6

CORING		From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.

DETAIL OF OPERATIONS AND REMARKS		From	To	Hrs.
Pier service		4:00	4:15	1/4
Drill 7 1/2" Hole		4:15	11:30	7 1/4
Circulate to core		11:30	12:00	1/2

CORING		From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.

DETAIL OF OPERATIONS AND REMARKS		From	To	Hrs.

CORING		From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.

DETAIL OF OPERATIONS AND REMARKS		From	To	Hrs.

CORING		From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.

DETAIL OF OPERATIONS AND REMARKS		From	To	Hrs.

CORING		From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.

DETAIL OF OPERATIONS AND REMARKS		From	To	Hrs.

CORING		From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.

DETAIL OF OPERATIONS AND REMARKS		From	To	Hrs.

CORING		From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.

DETAIL OF OPERATIONS AND REMARKS		From	To	Hrs.

CORING		From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.

DETAIL OF OPERATIONS AND REMARKS		From	To	Hrs.

CORING		From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.

DETAIL OF OPERATIONS AND REMARKS		From	To	Hrs.

CORING		From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.

DETAIL OF OPERATIONS AND REMARKS		From	To	Hrs.

CORING		From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.

DETAIL OF OPERATIONS AND REMARKS		From	To	Hrs.

CORING		From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.

DETAIL OF OPERATIONS AND REMARKS		From	To	Hrs.

CORING		From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.

DETAIL OF OPERATIONS AND REMARKS		From	To	Hrs.

CORING		From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.

DETAIL OF OPERATIONS AND REMARKS		From	To	Hrs.

CORING		From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.

DETAIL OF OPERATIONS AND REMARKS		From	To	Hrs.

CORING		From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.

DETAIL OF OPERATIONS AND REMARKS		From	To	Hrs.

CORING		From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.

DETAIL OF OPERATIONS AND REMARKS		From	To	Hrs.

CORING		From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.

DETAIL OF OPERATIONS AND REMARKS		From	To	Hrs.

CORING		From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.

DETAIL OF OPERATIONS AND REMARKS		From	To	Hrs.

CORING		From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.

DETAIL OF OPERATIONS AND REMARKS		From	To	Hrs.

CORING		From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.

DETAIL OF OPERATIONS AND REMARKS		From	To	Hrs.

CORING		From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.

DETAIL OF OPERATIONS AND REMARKS		From	To	Hrs.

CORING		From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.

DETAIL OF OPERATIONS AND REMARKS		From	To	Hrs.

CORING		From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.

DETAIL OF OPERATIONS AND REMARKS		From	To	Hrs.

CORING		From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.

DETAIL OF OPERATIONS AND REMARKS		From	To	Hrs.

CORING		From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.

DETAIL OF OPERATIONS AND REMARKS		From	To	Hrs.

CORING		From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.

DETAIL OF OPERATIONS AND REMARKS		From	To	Hrs.

CORING		From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.

DETAIL OF OPERATIONS AND REMARKS		From	To	Hrs.

CORING		From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.

DETAIL OF OPERATIONS AND REMARKS		From	To	Hrs.

CORING		From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.

DETAIL OF OPERATIONS AND REMARKS		From	To	Hrs.

CORING		From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.

DETAIL OF OPERATIONS AND REMARKS		From	To	Hrs.

CORING		From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.

DETAIL OF OPERATIONS AND REMARKS		From	To	Hrs.

CORING		From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.

DETAIL OF OPERATIONS AND REMARKS		From	To	Hrs.

CORING		From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.

DETAIL OF OPERATIONS AND REMARKS		From	To	Hrs.

CORING		From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.

DETAIL OF OPERATIONS AND REMARKS		From	To	Hrs.

CORING		From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.

DETAIL OF OPERATIONS AND REMARKS		From	To	Hrs.

CORING		From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.

DETAIL OF OPERATIONS AND REMARKS		From	To	Hrs.

CORING		From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.

DETAIL OF OPERATIONS AND REMARKS		From	To	Hrs.

CORING		From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.

DETAIL OF OPERATIONS AND REMARKS		From	To	Hrs.

CORING		From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.

DETAIL OF OPERATIONS AND REMARKS		From	To	Hrs.

CORING		From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.

DETAIL OF OPERATIONS AND REMARKS		From	To	Hrs.

CORING		From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.

DETAIL OF OPERATIONS AND REMARKS		From
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IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 19

10E MARTIN HOUSE L-3-66-50-433-150
LSD. SEC. TWN. RGE. W.

Contractor SANDEN R.G. #16

Type Rig D-10-2-6-3

Month May

Day 7 1966

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									
		4599	4670	71	7 7/8							4670	4676	6	7 7/8							4676	4711	35	7 1/2										
DRILLING STRING		Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.			DRILLING STRING		Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.			DRILLING STRING		Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.								
		4 1/2	45-2	4149.80	21.10	496.17						4 1/2	46-4180	18	2232	403.67	5600					4 1/2	46-3	4211.57	25.93	403.67	66-90								
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		15	6 1/4	2 3/16	466.17	DRILLING STRING				COLLAR		13	6 1/4	2 3/16	463.17	DRILLING STRING				COLLAR		13	6 1/4	2 3/16	403.67	DRILLING STRING									
DATA		1	7 13/16		30.00	133 M				DATA						129				DATA						130									
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						
		14	Y.M.	7:40 AM	8:30	19 1/4	4670	400	184				18	Boyle	2:15 PM		1 1/2		16	600	6			18	Y.M.	2:15 PM		9 1/2	15	41					
		Bit Serial No. F65060 Table R.P.M. 80										Bit Serial No. 55-65 Table R.P.M. 70										Bit Serial No. 55-65 Table R.P.M. 70													
		Jet or Conventional - CONVENTIONAL Nozzle Size 3 1/16										Jet or Conventional - NOZZLE Nozzle Size										Jet or Conventional - NOZZLE Nozzle Size													
SURVEYS		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			PUMP RECORD		HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size			PUMP RECORD		HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size								
No. 1		On Line	Circulating							No. 1		On Line	Circulating							No. 1		On Line	Circulating												
No. 2		8	8	700	14	55	6			No. 2		8	8	1300	14	48	6			No. 2		8	8	1275	14	48	6								
MUD RECORD		Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS				MUD RECORD		Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS				MUD RECORD		Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS						
		12:30	56	9.7	6.2	9.0	GEL 2700																	5:00	56	9.7	6.6	8	PILTEX 50#						
		4:00	48	9.7	6.4	8.5	CAUSTIC 50																	7:00	60	9.7	6.6	9	CAUSTIC 50#						
		5:45	46	9.7	6.3	9.0	PILTEX 50																	9:00	58	9.7	7.4	9							
		7:55	55	9.7	6.3	9.0																		11:00	58	9.7	7.4	9							
CORING		From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.				CORING		From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.				CORING		From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.						
																								4676											
DETAIL OF OPERATIONS AND REMARKS						From	To	Hrs.					DETAIL OF OPERATIONS AND REMARKS								From	To	Hrs.												
						12:00	12:15	1/4													8:00	8:30	1/2												
						12:15	7:30	7 1/4													8:30	8:45	1/4												
						7:30	8:00	1/2													8:45	10:45	2												
																						10:45	12:00	1 1/4											
																						12:00	1:45	1 3/4											
																						1:45	2:15	1/2											
																						2:15	4:00	1 3/4											

Driller B. Hardie

Driller BR. Joffe

Driller M. J. Joffe

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 Approved by

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No.

10E MARTIN HOUSE N-50-66-50-133-15'W
LSD..... SEC..... TWN..... RGE..... W.....Contractor Bauden R.C. #16Type Rig Oilwell 6H 3Month MayDay 6 1964

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												
	4463	4486	23	7 7/8		4486	4538	52	7 7/8		4538	4599	61	7 3/4													
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.									
	4 1/2	43-0	3970.66	16.25	496.17		4 1/2	44	4000.01	3989	496.17		4 1/2	44 3/4	4059.83	40.70	495.17										
	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	15	6 1/4	2 3/16	466.17	DRILLING STRING	DRILL COLLARS	COLLAR	15	6 1/4	2 3/16	466.17	DRILLING STRING	DRILL COLLARS	COLLAR	15	6 1/4	2 3/16	466.17	DRILLING STRING	DRILL COLLARS						
DATA	1	7 3/16		30.00	133.00	45.00	DATA	1	7 3/16		30.00	132.00	45.00	DATA	1	7 1/2		30.00	134.00	45.00							
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			
	13	PHL	9:00pm	4:45	7 1/2	4486	40	83		14	YM	9:45am		6 1/4		40	52		14	YM	9:45		12		42	112	
	14	YM																									
	Bit Serial No. <u>758100</u> <u>FL5066</u> Table R.P.M. <u>80</u>						Bit Serial No. <u>E65060</u> Table R.P.M. <u>80</u>						Bit Serial No. <u>E65060</u> Table R.P.M. <u>80</u>														
Jet or Conventional - <u>CONVENTIONAL</u> Nozzle Size <u>3 1/16</u>						Jet or Conventional - <u>CONVENTIONAL</u> Nozzle Size <u>3 1/16</u>						Jet or Conventional - <u>CONVENTIONAL</u> Nozzle Size <u>3 1/16</u>															
SURVEYS	Kind	TOTCO at <u>4486</u> Ft. <u>10</u> Deg. off		HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	Kind	at <u>4486</u> Ft. <u>10</u> Deg. off		HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	Kind	at <u>4486</u> Ft. <u>10</u> Deg. off		HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
	On Line	Circulating								On Line	Circulating								On Line	Circulating							
	4 1/2									4 1/2									4 1/2								
	8									8									8								
MUD RECORD	Time	Visc.	Wt.	WL	pH	ADDITIVES — POUNDS		Time	Visc.	Wt.	WL	pH	ADDITIVES — POUNDS		Time	Visc.	Wt.	WL	pH	ADDITIVES — POUNDS							
	12:30	45	9.6	7.4	8.5	GEL	2400		45	9.6	7.4	8.5	GEL	1000	5:00	45	9.5	7.2	9	GEL	1000						
	3:30	55	9.6	7.0	9.5	CAUSTIC	50		49	9.9		9	PELTEX	100	7:00	42	9.5	7.6	9	CAUSTIC	50						
						PELTEX	100		45	9.6	6.5	8.5	CAUSTIC	50		45	9.6	7.2	9.5								
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.									
DETAIL OF OPERATIONS AND REMARKS	From	To	Hrs.	From	To	Hrs.	From	To	Hrs.																		
	DRILL 7 7/8" HOLE	12:00	3:00	3	DRILL 7 7/8" HOLE	8:00	8:15	1/4	DRILL 7 7/8" HOLE	4:00	4:15	1/4															
	R.G. SER.	3:00	3:15	1/4	R.G. SER.	8:15	9:15	1	R.G. SER.	4:15	5:45	1 1/2															
	DRILL 7 7/8" HOLE	3:15	4:30	1 1/4	DRILL 7 7/8" HOLE	9:15	9:45	1/2	DRILL 7 7/8" HOLE	5:45	7:45	2															
SURVEY @ 4486	4:30	4:45	1/4	SURVEY @ 4486	9:45	4:00	7 1/4	SURVEY @ 4486	7:45	12:00	4 1/4																
HOLE STOPPED	4:45	6:20	1 3/4	HOLE STOPPED				HOLE STOPPED																			
CUT & SHIP D.LINE	6:30	7:15	3/4	CUT & SHIP D.LINE				CUT & SHIP D.LINE																			
RUN IN W/B.F. #14	7:15	8:30	3/4	RUN IN W/B.F. #14				RUN IN W/B.F. #14																			

Driller Bruce HardieDriller BR IngleDriller W. J. J. J.

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 Time hrs.

Total Company Time hrs.

Toolpusher W. J. J. J.Approved by Bruce Hardie

106 MARTIN HOUSE N-20-66-20-133-15 W

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 17

LSD. SEC. TWN. RGE. W. Contractor BARDEN RIG #16 Type Rig OIL WELL 648 Month MAY Day 5 1966

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															
		4308	4344	36	7 7/8							4344	4403	59	7 7/8							4403	4463	60	7 3/4																
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.														
		4 1/2	42	392006	24-84	496.17					4 1/2		42.2	388103	2287	496.17					4 1/2		43 1/2	394151	22.39	496.17															
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		15	6 1/4	2 3/16	466.17	DRILLING STRING				DRILLING STRING				DRILLING STRING				DRILLING STRING				DRILLING STRING				DRILLING STRING				DRILLING STRING											
DATA		1	7 13/16		30.00	131 M				45 M				DATA		1	7 13/16		30.00	132 M				45 M				DATA		1	7 13/16		30.00	134 M				45 M			
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												
		11	M4N	10:00 AM	13:00 AM	15 1/4	4319	32	185			12		M4N	5:00 AM	-	10 1/4		40	84			12		M4N	5:00 AM	4:00 PM	10 1/2	4403	40	84										
		12	M4N	5:00 AM				37	22											84			13		M4N	8:00 PM	-	3 1/2			60										
Bit Serial No. 901347 - 901347 Table R.P.M. 80										Bit Serial No. 901347 Table R.P.M.										Bit Serial No. 901347 - 758100 Table R.P.M. 80																					
Jet or Conventional - CONVENTIONAL Nozzle Size 3-11/16										Jet or Conventional - Nozzle Size 3-11/16										Jet or Conventional - Nozzle Size																					
SURVEYS Kind TOTCO at 4319 Ft. 1 1/3 Deg. off										SURVEYS Kind at Ft. Deg. off										SURVEYS Kind TOTCO at 4403 Ft. 10 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																					
4 1/2 8 675 14 56 6										7 1/4 8 on Tanker 14 56 6										3 1/4 8 675 14 54 6																					
MUD RECORD Time Visc. Wt. W L pH ADDITIVES - POUNDS										MUD RECORD Time Visc. Wt. W L pH ADDITIVES - POUNDS										MUD RECORD Time Visc. Wt. W L pH ADDITIVES - POUNDS																					
1:00 55 9.5 6.2 9.0 GEL 1200										5:00 50 9.6 6.2 9 GEL 1200										9:00 48 9.6 6.2 9 water																					
7:00 53 9.5 6.4 9.5										4:50 9.5 8.5 CAUSTIC 50										11:00 42 9.5 8 8																					
										5:10 9.5 6.8 9 Pektex 100																															
										4:40 9.5 6.4 9 Cehlex 50																															
CORING From To Ft. Cored Ft. Rec'd. Core No. Type Bbl.										CORING From To Ft. Cored Ft. Rec'd. Core No. Type Bbl.										CORING 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																					
DRILL 7 7/8" HOLE										DRILL 7 7/8" HOLE										DRILL 7 7/8" HOLE																					
SURVEY 2 4319										SURVEY 2 4319										SURVEY 2 4319																					
HOLE FOR BIT #11										HOLE FOR BIT #11										HOLE FOR BIT #11																					
RIG SER										RIG SER										RIG SER																					
RAN IN WITH BIT #12										RAN IN WITH BIT #12										RAN IN WITH BIT #12																					
BREAK CIRC. CLEAN 25' TO ATM										BREAK CIRC. CLEAN 25' TO ATM										BREAK CIRC. CLEAN 25' TO ATM																					
DRILL 7 7/8" HOLE										DRILL 7 7/8" HOLE										DRILL 7 7/8" HOLE																					
12:00 130 1 1/2										8:00 9:15 1 1/4										4:00 4:15 1/4																					
130 145 1/4										9:15 9:30 1/4										4:15 5:30 1/4																					
145 3:15 1 1/2										9:30 4:00 6 1/2										5:30 6:00 1/2																					
3:15 3:30 1/4																				6:00 7:30 1 1/2																					
3:30 4:45 1 1/4										CHECKED MOTOR SHUT OFF										7:30 8:45 1 1/4																					
4:45 5:15 1/2										A KELLY COCK										8:45 12:00 3 1/4																					
5:00 8:00 2 3/4										CLEANED SHAKER TANK																															
Driller: Bruce Hardie										Driller: BR Lupton										Driller: Art Lupton																					

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
MNFR. OF KELLY HOSE IN USE

REEL SERIAL No.

HOSE SERIAL No.

DID YOU CHECK BLOWOUT
PREVENTER EQUIPMENT TODAY

YES NO

Total Contract Time hrs.

Total Company Time hrs.

Toolpusher

Approved by

106 Martin House N 50-56-50-137-15 W

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 15

LSD

SEC

TWN

RGE

W

Contractor

Burdina #15

Type Rig

Columbia 44B

Month

May

Day

3

1966

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											
3874	3968	94	7 7/8			3968	3995	27	7 7/8		3995	4073	78	7 7/8												
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.								
	4 1/2	37 3/4	3428.03	40.70	496.17		4 1/2	32	3459.19	36.72	496.17		4 1/2	39	3550.86	2384	496.17									
	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	15	6 1/4	2 1/2	466.17	DRILLING STRING	DRILL COLLARS	COLLAR	15	6 1/4	2 1/2	466.17	DRILLING STRING	DRILL COLLARS	COLLAR	15	6 1/4	2 1/2	466.17	DRILLING STRING	DRILL COLLARS					
BIT RECORD	DATA	1	7 1/2		30.00	130 M	45 M	DATA	1	7 1/2		30.00	129 M	45 M	DATA	1	7 1/2		30.00	130 M	45 M					
	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		
	9	M4N	12:00 PM	7:4 M	17 1/2	3768	40	253	-	9	M4N	12:00 PM	7:03 PM	17 1/2	3968	40	253	-	10	YTL	12:38 PM		11 1/2	30-40	105	
	Bit Serial No. 901344	Table R.P.M. 80					Bit Serial No. 901344	Table R.P.M. 80					Bit Serial No. 901344	Table R.P.M. 80												
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	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	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	Kind	at	Ft.	Deg. off	Kind	at	Ft.	Deg. off						
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								
	1:00	45	9.8	7.0	9	2000 #	1:15	50	9.9	6.0	9.0	GEL 1000 #	5:00	46	9.9	6.0	9.5	GEL 2000 #								
	3:00	53	9.8	7.0	9		3:15	45	9.9	6.1	10.0	PELTEX 100 #	9:00	43	9.8	6.6	10	CELLEX 50 #								
	5:00	45	9.9	7.4	9							CAUSTIC 50 #	9:00	47	9.8	6.6	9.5	CAUSTIC 50 #								
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.	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.	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.	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.	From	To	Hrs.	From	To	Hrs.	From	To	Hrs.														

Driller

W. G. Smith

Driller

Bruce Hardie

Driller

G. R. Smith

HEADING UP & DRLG. OUT:
DRILLING:
REAMING:

CLASSES OF TIME BREAKDOWN

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

REEL SERIAL No.

HOSE SERIAL No.

DID YOU CHECK BLOWOUT
PREVENTER EQUIPMENT TODAY

YES NO

Total Contract Time hrs.

Total Company Time hrs.

Toolpusher

L. R. Smith

Approved by

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 14

LOE Mountain House At-50-66-50-133-15 W.

LSD. SEC. TWN. RGE. W.

Contractor Peter Bunker #15

Type Rig Oilwell 64B Month May Day 2 1966

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																									
		3596	3710	114	7 7/8							3710	3765	55	7 7/8							3765	3874	109	7 7/8																										
DRILLING STRING		Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.			DRILLING STRING		Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.			DRILLING STRING		Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.																								
		4 1/2	35	3185-56	24.14	496-17						4 1/2	35-2	3246-12	19.78	496-17						4 1/2	36-2	3334-2	2797	496-17																									
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		15	6 1/4	2 1/8	466-17	DRILLING STRING				COLLAR		15	6 1/4	2 1/8	466-17	DRILLING STRING				COLLAR		15	6 1/4	2 1/8	466-17	DRILLING STRING																									
DATA		1	7 7/8		30-00	125 M. 45 M				DATA		1	7 7/8		30-00	125 M. 45 M				DATA		1	7 7/8		30-00	125 M. 45 M																									
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																						
		8	M4N	12:30 PM	m	19 1/2	in	40 M	296				8	M4N	12:30 PM	8:30	19 3/4	37 1/2	40	301				9	M4N	12:30 PM	-	11 1/2	-	40	159																				
		Bit Serial No. 826410					Table R.P.M. 80							Bit Serial No. 826410					Table R.P.M. 80							Bit Serial No. 901344					Table R.P.M. 80																				
		Conventional -					Nozzle Size							Jet or Conventional -					Nozzle Size 3 1/16							Conventional -					Nozzle Size 3 1/16																				
SURVEYS		Kind	at		Ft.		Deg. off		SURVEYS		Kind	at		Ft.		Deg. off		SURVEYS		Kind	at		Ft.		Deg. off		SURVEYS		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																						
		8		8		600	14	56	6			4 1/2		8		625	14	56	6			7 3/4		8		625	14	56	6																						
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																								
		1:00	46	9.4	6.5	9	Calbox 75#						8:00	49	9.7	6	10.0	Caustic 50						5:00	47	9.7	5.8	10	Gel 1000#																						
		3:00	43	9.4	6.6	9	Gel 800#						12:30	47	9.7	6.2	9.5	Pilotex 100						7:00	46	9.7	5.8	10																							
		5:00	46	9.5	6.8	9								45	9.7	6.2	10.0							9:00	44	9.7	6.6	10																							
		7:00	55	9.5	6.8	9																		11:00	45	9.8	6.4	10																							
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.	From		To	Hrs.	From		To	Hrs.	From		To	Hrs.	From		To	Hrs.																						
		Drill 7 7/8" Hole		12:00	8:01	8 CC	DRLG. 7 7/8" Hole		8:00	9:30	1/2	R.C. Seal		4:00	4:05	1/4	DRLG. 7 7/8" Hole		4:05	12	7 3/4																														
							SURVEY @ 3715		9:30	8:45	1/4																																								
							HOIST FOR NIB		8:45	10:15	1 1/2																																								
							R.G. SEA		10:15	10:30	1/4																																								
							RAN IN W/B.T #9		10:30	11:30	1																																								
							BREAK CIRC. CLEAN TO BTM.		11:30	12:00	1/2																																								
							DRLG. 7 7/8" Hole		12:00	4:00	4																																								
Driller		W. J. Smith										Driller										Bruce Hardie										Driller										L. R. Smith									

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.:MNF. DRILLING LINE IN USE
MNF. OF KELLY HOSE IN USE

REEL SERIAL No.

HOSE SERIAL No.

DID YOU CHECK BLOWOUT
PREVENTER EQUIPMENT TODAYYES ☒ NO ☐

Total Contract Time hrs.

Total Company Time hrs.

Toolpusher Louis R. Smith

Approved by

FOE Martin 100-56-50-133-15 W

LSD

SEC

TWN

RGE

W

Contractor

Peter Paulsen #16

Type Rig

Oilwell 64B

Month

May

Day

1 19 66

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											
		3305	3405	100	7 7/8							3405	3464	59	7 7/8							3464	3596	132	7 7/8												
		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.										
		4 1/2	3 1/2	2887.74	22.16	496.17						4 1/2	32-S	2942.09	22.81	496.17						4 1/2	33-2	3064.21	31.99	496.17											
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	15	6 1/4	2 1/8	466.17	DRILLING STRING				DRILL COLLARS				COLLAR	15	6 1/4	2 1/8	466.17	DRILLING STRING				DRILL COLLARS				COLLAR	15	6 1/4	2 1/8	466.17	DRILLING STRING				DRILL COLLARS	
	DATA	1	7 1/8		30.00	120 M				45 M				DATA	1	7 1/8		30.00	120 M				45 M				DATA	1	7 1/8		30.00	120 M				45 M	
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							
	7	M4N	11:15 AM		20 1/2		40	308					7	M4N	11:15 AM	9:30	21	34 1/4	40 M	317					8	M4N	12:30 PM		11 1/4		40	182					
													8	M4N	12:30 PM				40 M	50																	
Bit Serial No. 826892 Table R.P.M. 80										Bit Serial No. 826892 - 826410 Table R.P.M. 80										Bit Serial No. 826410 Table R.P.M. 80																	
Jet or Conventional - Nozzle Size										Jet or Conventional - Conventional Nozzle Size 3 1/16										Jet or Conventional - Nozzle Size 3-11/16																	
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											
		8		600	14	56	6							4		600	14	56	6							7 1/2		600	14	56	6						
		8		on tanks	14	40	5 1/2							8		N.H.		5 1/2										on tanks	14	56	5 1/2						
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							
	1:00	45	9.4	7.2	9.0	Gel - 1600							1:00	43	9.5	6.4	8.5	Gel 1000							5:00	51	9.6	6.2	10	Gel 1000							
	3:00	43	9.4		9.0	Gel - 50							3:00	49	9.5	6.4	10.0	PILTEX 200							7:00	48	9.6	5.8	10	PILTEX 100							
	5:00	46	9.4	7.3	9.0													CAUSTIC 100							9:00	47	9.6	6.2	9	CAUSTIC 50							
	7:00	48	9.4	6.8	9.0													CELLEY							11:00					CELLEY 50							
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.										
			Drill 7 7/8" hole	12:00	8:00	8:00									Drill 7 7/8" hole	8:00	8:30	1/2									Drill 7 7/8" hole	8:00	8:30	1/2							

Driller

W. J. Jumper

Driller

Bennie Hardie

Driller

J. R. Jumper

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

Louis Jumper

Approved by

60 E Martin House 50-66-50-133-15 W

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 12

LSD SEC. TWN. RGE. W. Contractor Peter Bowden #16 Type Rig Dilwell 54B Month April Day 30 1966

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																			
		3005		3095		9.0		2 7/8				3095		3098		83		7 7/8				3178		3305		127		7 7/8																					
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.													
		4 1/2		28 3/4		257821		17.69		496.17				4 1/2		29		2640-36		38.54		496.17				4 1/2		3092		279218		1372		496.17															
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		15		6 1/4		2 1/8		466.17		DRILLING STRING		DRILL COLLARS		COLLAR		15		6 1/4		2 1/8		466.17		DRILLING STRING		DRILL COLLARS		COLLAR		15		6 1/4		2 1/8		466.17													
DATA		1		7 3/8				30.00		115 M		45 M		DATA		1		7 3/8				30.00		119 M		45 M		DATA		1		7 3/8				30.00		120 M		45 M									
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	
		6		M4N		3 PM				16 3/4				35		194		-		6		M4N		3 PM		8 20 AM		17 1/4		3097		35		193		-		7		M4N		11 15 AM		12 1/2		40		-	
		Bit Serial No.		901346		Table R.P.M.		80						Bit Serial No.		901346 - 826892		Table R.P.M.		80								Bit Serial No.		826892		Table R.P.M.		80															
		Jet or Conventional		-		Nozzle Size								Jet or Conventional		CONVENTIONAL		Nozzle Size		3 1/16								Jet or Conventional		-		Nozzle Size		3 1/16															
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							
		5 1/4		3		600		14		56		6		5 1/2		3		600		14		56		6		5 1/2		7 3/4		8		600		14		56		6		5 1/2									
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	
		1:00		58		9.4		6.4		9		Gel 800#		8:00		60		9.5		6.9		8.5		PELTEX 200		6:00		43		9.4		6.6		10		Gel													
		3:00		52		9.4		7.2		8		Gel 800#		12:45		55		9.3		6.8		8.5		CAUSTIC 100		8:00		51		9.5		6.6		9															
		5:00		48		9.5		7.2		8				3:00		45		9.3		7.0		10.0				11:00		47		9.6		6.2		9															
		7:00		55		9.5		7.0		8																																							
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.																			
		Drill 7 7/8" hole		12:00		8:00		8:00						Drill 7 7/8" hole		8:00		8:30		1 1/2						Rig Ser		4:00		4:15		1 1/2																	
														Survey @ 3097		8:30		8:45		1/4						Drill 7 7/8" hole		4:15		12:00		7 3/4																	
														Hoist for BIT #6		8:45		9:45		1																													
														Rig Ser Check 3093 OK		9:45		10:00		1/4																													
														Run in w/ BIT #7		10:00		11:00		1																													
														Break Circ Clean to 65m		11:00		11:15		1/4																													
														Drill 7 7/8" hole		11:15		4:00		4 3/4																													

Driller: Ed Smith

Driller: Bruce Hurd

Driller: ER Smith

HEADING UP & DRG. OUT: DRILLING: REAMING: CLASSES OF TIME BREAKDOWN: TOTCO: CONDITIONING MUD: FISHING: TRIPPING: CIRCUITING: 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: [Signature] Approved by: [Signature]

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 ☐

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 10

10E Martin Home N-50-66-50-133-15 W

LSD. SEC. TWN. RGE. W.

Contractor Peter Brandon #16

Type Rig Oilwell 64B Month April Day 28 1966

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																		
	2474	2605	131	7 3/8		2605	2668	63	7 7/8		2668	2745	78	7 7/8																			
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.															
	4 1/2	23	-2093.62	12.28	496.17		4 1/2	23	-2154.70	14.26	496.17		4 1/2	24	-5	22.453	3184	496.17															
	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	15	6 1/4	2 1/8	466.17	DRILLING STRING	DRILL COLLARS	COLLAR	15	6 1/4	2 1/8	466.17	DRILLING STRING	DRILL COLLARS	COLLAR	15	6 1/4	2 1/8	466.17														
DATA	1	7 1/8		30.00	108 M	45 M	DATA	1	7 1/8		30.00	106 M	45 M	DATA	1	7 1/8		30	108 M	45 M													
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									
	4	OSCIG	6:45 PM		13 1/2		32 M	215	4	OSC-18	6:45 PM	12:30	17 1/4	2668	30	278	5	SG	6:45		5 1/4		35	78									
	Bit Serial No.	51771					Table R.P.M. 110					Bit Serial No.	51771					Table R.P.M. 101					Bit Serial No.	901049					Table R.P.M. 95				
	Jet or Conventional	-					Nozzle Size					Jet or Conventional	CONVENTIONAL					Nozzle Size 3 1/16					Jet or Conventional	CONVENTIONAL					Nozzle Size 1 1/16				
SURVEYS	Kind	at					Ft.					Kind	at					Ft.					Kind	at					Ft.				
	HOURS	Pump Press					Length of Pump Stroke					HOURS	Pump Press					Length of Pump Stroke					HOURS	Pump Press					Length of Pump Stroke				
	On Line	Circulating					Strokes Per Min.					On Line	Circulating					Strokes Per Min.					On Line	Circulating					Strokes Per Min.				
	7 3/4	8					600					14	55					600					14	54					6				
MUD RECORD	Time	Visc.	Wt.	WL	pH	ADDITIVES — POUNDS					Time	Visc.	Wt.	WL	pH	ADDITIVES — POUNDS					Time	Visc.	Wt.	WL	pH	ADDITIVES — POUNDS							
	1:00	45	9.5	6.8	10	Gel 1800 #					9:00	46	9.6	7.4	9.0	Gel 1500 #					8:00	51	9.6	7.4	9	CAUSTIC 50 #							
	3:00	49	9.5	7.2	10											PILTEX 100 #					11:00	60	9.6	6.5	8	PILTEX 50 #							
	5:00	46	9.5	7.0	10											CAUSTIC 50 #										Gel 2000 #							
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.																								
	12:00	12:15	1/4	12:15	8:00	7 3/4	8:00	10:00	2																								
	12:15	8:00	7 3/4				10:00	10:15	1/4																								
							10:15	12:30	2 1/4																								
Rig service			DRILL 7 7/8" Hole			P.C. SER			DRILL 7 7/8" Hole			INSTA Series in Compound			4:00			4:30			1/2												
Drill 7 3/8" Hole						DRILL			10:15			12:30			2 1/4			Rig in			4:30			5:45			1 1/4						
						SURVEY @ 2668			12:30			12:45			1/4			Clean 90' to bit			5:45			6:45			1						
						HOIST FOR NIB. Pick up			12:45			3:00			2 1/4			DRILL 7 7/8" Hole			6:45			12:00			5 1/4						
						KELLY CIRC. TIGHT SPOT																											
						@ 2416 & 2506																											
						INSTALL NEW SEALS in			3:00			4:00			1																		
						motors & pump drives																											
Driller			Driller			Driller																											

CLASSES OF TIME BREAKDOWN

HEADING UP & DRG. OUT: TOTCO: CONDITIONING MUD: CASING: LOGGING: RIG MAINTENANCE: REAMING CLEANING: MNR. 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: MNR. OF KELLY ROSE 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

Approved by

10E Martin House AF-50-66-50-133-15
LSD. SEC. TWN. RGE.

Contractor Peter Bawden #16

Type Rig Alvord 64 B Month April Day 27 1966

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				
	2194 2334 140 7 3/8					2334 2390 56 7 7/8					2390 2474 84 7 7/8				
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.				
	4 1/2 19 3/4 - 1795.17 40.52 496.17					4 1/2 20 9 1853.66 3724 496.17					4 1/2 21 5 1864.13 3076 496.17				
	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 15 6 1/4 2 3/8 456.17 DRILLING STRING DRILL COLLARS					COLLAR 15 6 1/4 2 3/8 466.17 DRILLING STRING DRILL COLLARS					COLLAR 15 6 1/4 2 3/8 466.17 DRILLING STRING DRILL COLLARS				
BIT RECORD	DATA 1 7 1/2 30.00 100 M 45 M					DATA 1 7 1/2 30.00 100 M 45 M					DATA 1 7 1/2 30.00 106 M 45 M				
	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				
	3 DT2G 1 15 PM 16 1/2 - 30 334					3 DT2G 1 16 PM 11 00 AM 19 1/4 3390 36 390					4 OSC16 6 7 5 1/4 30 84				
	Bit Serial No. 13660 Table R.P.M. 110					Bit Serial No. 13660 - 51771 Table R.P.M. 101					Bit Serial No. 51771 Table R.P.M. 100				
SURVEYS	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				
	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				
	7 3/4 on tank 600 14 56 6 1/2					2 3/4 8 600 14 57 6 1/2					6 on tank 600 14 54 6 1/2				
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				
	1:00 46 9.5 7.2 9 Water					9:00 46 9.5 6.8 9.0					8:00 49 9.6 6.8 9.0 6.2 1500				
	3:00 46 9.5 7.6 9										10:00 46 9.4 6.8 9.0 CAUSTIC 50				
	5:00 45 9.5 7.5 9										PeTEX 100				
CORING	7:00 55 9.5 7.0 9														
	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.				
	Rig service 12:00 12:15 1/4					R.G. SER 8:00 8:15 1/4					# Repair 4:00 4:30 1/2				
	Drill 7 3/8" hole 12:15 8:00 7 3/4					DRILL 7 7/8" Hole 8:15 11:00 2 3/4					TRIP 4:30 6:00 1 1/2				
						SURVEY 11:00 11:15 1/4					Ream to BTM 6:00 6:45 3/4				
						HOIST FOR W/B 11:15 12:00 3/4					Drill 7 1/4 Hole 6:45 12:00 5 1/4				
						WORK ON AIR SYSTEM 12:00 2:00 2									
						FINISH OUT w/ BIT #3 RECOVER 2:00 3:15 1 1/4									
						SURVEY, RUN IN 3:15 4:00 3/4									
	WORK ON HYDRAULIC														
	Driller: W. Lund					Driller: Bruce Hardie					Driller: GR. Lefts				

HEADING UP & DRLG. OUT:
DRILLING:
REAMING:

CLASSES OF TIME BREAKDOWN

TOTCO:	CONDITIONING MUD:	CASING:
FISHING:	TRIPPING:	W.O.C.
CIRCULATING:	CORING:	D.S. TEST

LOGGING:	RIG MAINTENANCE:	REAMING CLEANING:
W. O. ORDERS:	MISCELLANEOUS:	WORKING PIPE:
RIG REPAIRS:	CONDITION HOLE:	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 *[Signature]*

Approved by _____

Contractor Benson D. Lee

Type Rig Oil Well 140 Month April Day 26 1966

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.

Total Contract Time hrs.

Total Company Time hrs.

Toolpusher Louis Noel

Approved by _____

**DID YOU CHECK BLOWOUT
PREVENTER EQUIPMENT TODAY**

YES NO

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 7

 2 E. Martin House LSD SEC TWN RGE W Contractor Bender Drilling Type Rig Oil Well 640 Month April Day 25 1966

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									
	1216	1362	146	7 7/8		1362	1484	122	7 7/8		1484	1753	269	7 7/8										
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.						
	4 1/2	826.25		4052	486.17	540.25	4 1/2	10 1/2	496.15	4052	496.17		4 1/2	13.5	1219.60	34.30	496.17							
	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	15	6 1/4	2 1/8	466.17	DRILLING STRING	DRILL COLLARS	COLLAR	15	6 1/4	2 1/8	466.17	DRILLING STRING	DRILL COLLARS	COLLAR	15	6 1/4	2 1/8	466.17	DRILLING STRING	DRILL COLLARS			
	DATA	1	7 7/8		30.00	78 M	45 M	DATA	1	7 7/8		30.00	80 M	45 M	DATA	1	7 7/8		30.00	89 M	45 M			
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	OSCIF	7:50	7:55	1.9	1362	2.2	511	2	DT26	12:30 PM		3 1/2		30	122	2	DT26	12:30 PM		3 1/2		30	122
	Bit Serial No.	48037					Table R.P.M.	95	Bit Serial No.	13149					Table R.P.M.	100	Bit Serial No.	13149					Table R.P.M.	102
	Jet or Conventional -	CON					Nozzle Size		Jet or Conventional -	CON					Nozzle Size		Jet or Conventional -	CON					Nozzle Size	
SURVEYS	Kind	TOTCO	at	1360	Ft.	10	Deg. off		Kind	TOTCO	at	1360	Ft.	10	Deg. off		Kind	TOTCO	at	1360	Ft.	10	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	650	14"	55	7 1/4	On Line	Circulating	800	14"	64	7 1/4	On Line	Circulating	500	14"	55	6						
	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						
	1:00	36	9.0	9.5	8.5	GEL 1000	1:00	38	9.4	8.2	9.5	GEL 1000	4:30	40	9.4	8.4	9.0	GEL 800						
	3:00	39	9.0	9.0	9.0	CMC 100	3:00	45	9.4	8.1	9.0	CMC 50	9:15	37	9.4	9.0	9.0	CELLEY 50						
	6:00	40	9.2	8.2	9.0							11:00	43	9.4	9.1	9.5								
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.						
DETAIL OF OPERATIONS AND REMARKS	From	To	Hrs.	From	To	Hrs.	From	To	Hrs.															
	Rig SER. + Check BOP	12:00	12:15	1/4	12:15	12:30	1/2	12:30	12:45	1/4														
	Drill 7 7/8" hole	12:30	12:45	1/4	12:45	1:00	1/4	1:00	1:15	1/4														
	Circ Hole. prior to Trip	1:15	1:30	1/4	1:30	1:45	1/4	1:45	2:00	1/4														
DETAIL OF OPERATIONS AND REMARKS	From	To	Hrs.	From	To	Hrs.	From	To	Hrs.															
	Drop Survey	2:00	2:15	1/4	2:15	2:30	1/4	2:30	2:45	1/4														
	Trip for Bit	2:45	3:00	1/4	3:00	3:15	1/4	3:15	3:30	1/4														

Driller: PH DuganDriller: W. SmithDriller: Bruce Hardie
 CLASSES OF TIME BREAKDOWN
 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: MNFR. OF KELLY HOSE IN USE HOSE SERIAL No.
 REAMING: CIRCULATING: CORING: D.S. TESTING: RIG REPAIRS: CONDITION HOLE: LOST CIRC.: YES ☒ NO ☐

Total Contract Time _____ hrs.

Total Company Time _____ hrs.

Toolpusher: John MillerApproved by: E. Taylor

IOE. Masterhouse
LSD.

LSD-66-50-133-15

LSD

SEC

TWN

RGE

W.

Contractor

Barbara G. G.

Type B

A. D. W. P. 648

Month

P. 22

100

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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
	851	880	29	7 3/8							880	1056	176	7 3/8							1056	1236		7 7/8																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	

HEADING UP & DRLG. OUT:
DRILLING:
REAMING:

CLASSES OF TIME BREAKDOWN

TOTCO:	CONDITIONING
FISHING:	TRIPPING:
CIRCULATING:	CORING:

MUD: SCASING:
W.O.C.
D.S. TEST

LOGGING:
W. O. ORDER
ING: BIG REPAIRS:

RIG MAINTENANCE:
RS: MISCELLANEOUS:
CONDITION: HOLE:

REAMING CLEAR
WORKING PIPE:
LOST CIRC.:

NING: MNER. DRILLING LINE IN USE
MNER. OF KELLY HOSE IN USE

REEL SERIAL No. _____
HOSE SERIAL No. _____

DID YOU CHECK BLOWOUT
PREVENTER EQUIPMENT TODAY?

Total Contract Time hrs.

Total Company Time hrs.

Toolpusher: James E. [unclear]

Approved by John A. K. 10/10/11

I.O.E. Martin House L50-66-50-133-15

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 5

LSD. SEC. TWN. RGE. W. Contractor Bandar Dalg #15 Type Rig Bedwell 43 Month April Day 23 1966

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																
		851										851										851																				
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				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													
	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		HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	Kind	at		Ft.		Deg. off		HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	Kind	at		Ft.		Deg. off		HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size			
	On Line	Circulating						On Line	Circulating						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	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.																			
	W.O.C.		12 ⁰⁰	8 ⁰⁰	8	WOC + Lead up BOP's				8 ⁰⁰		4 ⁰⁰	8	W.O.C. Nipple up 30 p.s				4 ⁰⁰		12 ⁰⁰	8																					
Driller <u>E. Dupis</u>										Driller <u>W. G. G.</u>										Driller <u>B. Hardie</u>																						

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

REEL SERIAL No.

MNFR. OF KELLY HOSE IN USE

HOSE SERIAL No.

DID YOU CHECK BLOWOUT
PREVENTER EQUIPMENT TODAY

1 YES NO

Total Contract Time hrs.

Total Company Time hrs.

Toolpusher Louis AbelApproved by Edmund Kelly

L 50-66-50-133-15

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 43

E.O.F. MARTINHOUSE SEC. TWN. RGE. W. Contractor *Barclay Drilling* Type Rig *Oil Well 64R* Month *April* Day *22* 19 *66*

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																			
755		820		65		12 1/4				820		851		31		12 1/4				851																											
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.													
1 1/2		305.16				40.52		466.17		548.890		4 1/2		3 3/4 - 336.16		40.52		466.17																													
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		15		6 1/4		2 1/4		466.17		DRILLING STRING		DRILL COLLARS		COLLAR		15		6 1/4		2 1/4		466.17		DRILLING STRING		DRILL COLLARS		COLLAR		15		6 1/4		2 1/4		466.17											
DATA								60 000						DATA								50 M		40 M		DATA																					
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	
3A		DT		6:00		19 1/4		820		15		429				1A		DT		9:30		10:30		1		351		20		31		40															
4A		DT, (1A) RETURN																																													
Bit Serial No. 34339, 34978 Table R.P.M. 200										Bit Serial No. 34978 Table R.P.M. 110										Bit Serial No. Table R.P.M.																											
Jet or Conventional - CON										Jet or Conventional -										Jet or Conventional -																											
Nozzle Size										Nozzle Size										Nozzle Size																											
Kind TOTCO at 820 Ft. 3/4 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													
				300		14		58		7 1/4		2 3/4		8		400		14		65		7 1/4								14				7 1/4													
																		14		40		6 1/2								14				6 1/2													
Time Visc. Wt. W L pH ADDITIVES - POUNDS										Time Visc. Wt. W L pH ADDITIVES - POUNDS										Time Visc. Wt. W L pH ADDITIVES - POUNDS																											
1:00 80 9.9										9:00 110 10.4																																					
3:00 95 10.2										107																																					
5:00 82 9.8																																															
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.																											
R. S. SER										Rig service										R. S. SER																											
DRILL 12 1/4" HOLE										Rear 40' to bottom										R. S. SER																											
DRILL SURVEY										Drill 12 1/4" hole										R. S. SER																											
TRIP TO CONDITION HOLE										Circulate to cond. hole										R. S. SER																											
S.L.M. Change Bit										Shummy Trip										R. S. SER																											
										Circulate to cond. hole										R. S. SER																											
TALLY 820.75										Went to run surf casing										R. S. SER																											
S.L.M. 820.22										Rig to run surface casing										R. S. SER																											
.53																				R. S. SER																											
Driller: <i>CH. Dignini</i>										Driller: <i>W. G. Linn</i>										Driller: <i>B. F. Hurdie</i>																											

CLASSES OF TIME BREAKDOWN
 UP & DRLG. OUT: TOTCO: CONDITIONING MUD: CASING: LOGGING: RIG MAINTENANCE: REAMING CLEANING: MNFR/DRILLING LINE IN USE REEL SERIAL No.
 G: FISHING: TRIPPING: W.O.C. W. O. ORDERS: MISCELLANEOUS: WORKING PIPE: MNFR. OF KELLY HOSE IN USE HOSE SERIAL No.
 G: 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 *Louis Abel* Approved by *Sam Lively*

JOE. MARTIN HOUSE

SEC. _____ TWN. _____ RGE. _____ W _____

Contractor Bowden Dole #16

Type Rig Gidwell 64B Month April Day 21 1966

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																			
		422		453		31		12 1/4							453		640		187		12 1/4							640		755		115		12 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.																	
		4 1/2						4052		404.23		S485 8.90			4 1/2		1 3/4		151.62		13.31		466.17					4 1/2		182.04		61.18		36.71		41.6		17																	
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		13		6 1/4		2 1/8		404.23		DRILLING STRING					COLLAR		15		6 1/4		2 1/8		466.17		DRILLING STRING					COLLAR		15		6 1/4		2 1/8		466.17		DRILLING STRING													
		DATA										50 000					DATA										55 M					48 M					DATA								57 M										
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					
		3A		DT		5:00AM				1 1/4				12		31			3A		DT		5:00AM				7 1/2		m		25		249			-			3-A		DT		5:00AM				13 1/2				15		364		
		Bit Serial No. 34339										Table R.P.M. 90							Bit Serial No. 34339										Table R.P.M. 120							Bit Serial No. 34339										Table R.P.M.									
		Jet or Conventional - CON										Nozzle Size							Jet or Conventional -										Nozzle Size							Jet or Conventional - CON										Nozzle Size									
SURVEYS		Kind at Ft. Deg. off										Kind at Ft. Deg. off										Kind at Ft. Deg. off										Kind at Ft. Deg. off																							
		HOURS										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										On Line Circulating Pump Press Length of Pump Stroke Strokes Per Min. Liner Size																							
		250 14" 58 7 1/2										6 8 400 14 64 7 1/2										6 1/4 8 400 14 65 6 1/2										6 1/4 8 225 14 64 7 1/2																							
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													
		47		9.8								GEL 8100 #					9:00		11K		9.5								Gel 500#					4:30		105		10.						Gel 1000											
		55		9.6								SODAASH 200#					11:00		190										Cellux 50#					7:30		78		10.																	
		43		9.4								CARBONOX 100#					1:00		100															2:30		68		10																	
		45		9.4								CAUSTIC 50#					3:00		85															11:00		105		16																	
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.													

CLASSES OF TIME BREAKDOWN

CLASSES OF TIME BREAKDOWN										DID YOU CHECK BLOWOUT PREVENTER EQUIPMENT TODAY	
HEADING UP & DRLG. OUT:	TOSCO:	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 *[Signature]* Approved by *[Signature]*

I O E Mentor House

LSD.

SEC.

TWN.

RGE.

W.

Contractor Bander Dely #16Type Rig Dipwell 6413Month AprilDay 20 1966

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							
		290	391	101	12 1/4							391	422	31	12 1/4							422	422	0	12 1/4								
DRILLING STRING		Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.			DRILLING STRING		Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.			DRILLING STRING		Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.						
		4 1/2			4052	342									4052	373.16						4 1/2			4052	373.16							
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		11	6 1/4	2 1/16	342	DRILLING STRING				COLLAR		12	6 1/4	2 1/16	373.16	DRILLING STRING				COLLAR		12	6 1/4	2 1/16	373.16	DRILLING STRING							
DATA		40000								DATA										DATA													
BIT RECORD		No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE		BIT RECORD		No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE		BIT RECORD		No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE		
		2A	DT	11:55		12 1/4			318				2A	DT	11:15 PM	1:00 PM	12 1/4	391	10	314				3A	DT	1/2				31			
		Bit Serial No. 35090 Table R.P.M. 190										Bit Serial No. 35090 - 34339 Table R.P.M. 100										Bit Serial No. 34339 Table R.P.M.											
		Jet or Conventional - CON Nozzle Size										Jet or Conventional - Nozzle Size										Jet or Conventional - CON. Nozzle Size <u>open</u>											
SURVEYS		Kind <u>Totco</u> at <u>360"</u> (1/2) 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						200	14"	58	7 1/2			2		3		250	14	64	7 1/2			7		7		275	14		7 1/2				
No. 2												8		8			14	40	6 1/2														
MUD RECORD		Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS				MUD RECORD		Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS				MUD RECORD		Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS				
													9:00	40					Carbonox 200 #						8:00	47	9.7			Gel 2100 #			
													11:00	39											7:15	50	10.						
													1:00	32					Gel 1600 #														
													3:00	38					Countie 100 #														
CORING		From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.				CORING		From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.				CORING		From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.				
DETAIL OF OPERATIONS AND REMARKS			From	To	Hrs.					DETAIL OF OPERATIONS AND REMARKS			From	To	Hrs.					DETAIL OF OPERATIONS AND REMARKS			From	To	Hrs.								
			12:00	12:15	1/4	Rig Set.							8:00	9:00	1	Working on pumps							4:00	11:00	7	WORKING TIGHT HOLE 2nd							
			12:15	3:00	2 3/4	Drill 12 1/4 hole							9:00	1:00	4	Work stuck pipe																	
			3:00	3:30	1/2	LINE SURVEY							1:00	1:30	1/2	Trip out for bit							11:00	11:30	1/2	PULL OUT							
			3:30	4:30	1/2	Drill 12 1/4 hole							1:30	2:00	1/2	Change bit & run in bit 3A							11:30	12:00	1/2	GENERAL WASHED BIT CONDUCTOR							
			4:30	6:30	2	Stack pipe, work pipe FREE							2:00	2:30	1/2	Drill 12 1/4 surf hole																	
						Circ. Condition Hole, work on							2:30	4:00	1 1/2	Work tight hole																	
			8:30	8:00	1 1/2	Pump																											
Driller <u>E.H. Duguis</u>										Driller <u>W. Ginn</u>										Driller <u>B. Hardie</u>													

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.:MNR. DRILLING LINE IN USE
MNR. OF KELLY HOSE IN USEREEL SERIAL No.
HOSE SERIAL No.DID YOU CHECK BLOWOUT
PREVENTER EQUIPMENT TODAY

YES NO

Total Contract Time hrs.

Total Company Time hrs.

Toolpusher Louis AlletApproved by J. K. Kelly

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 1

IOE. MARTIN HOUS

SEC. TWN. RGE. W.

Contractor Bowden & SonsType Rig Oil Well 64BMonth AprilDay 19 1966

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									
73				12 1/4		73	174	101	12 1/4		174	240	116	12 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.						
	4 1/2					5485 8.90	4 1/2	0	-	40.52	125.23		4 1/2			33.14	247.91							
	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	4	6 1/4	2 1/8	125.23	DRILLING STRING	DRILL COLLARS	COLLAR	8	6 1/4	2 1/8	247.91	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
	1A	DT	11:15	1:30	2 1/4	73	4	73	1A	DT	11:15 PM	-	2 1/4	-	15	101	-	2A	DT	2:12	-	2 1/2	35.0	2.0
	2A	DT	1:25			6			2A	DT	1:45 PM													
	Bit Serial No. 34978 - 35090 Table R.P.M. 50						Bit Serial No. 34978 - 35090 Table R.P.M. 100						Bit Serial No. 35090 Table R.P.M. 150											
SURVEYS	Jet or Conventional - CON. 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											
	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	Time	Visc.	Wt.	WL	pH	ADDITIVES - POUNDS	Time	Visc.	Wt.	WL	pH	ADDITIVES - POUNDS	Time	Visc.	Wt.	WL	pH	ADDITIVES - POUNDS						
	2:27						9:00	31	8.4			2 gal 900 # Cement 50 #	8:30	36	9.1									
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.															
	Drilling plug	12:00	1:00	1 1/2	Service rig	8:00	8:15	1/4	Rig Set	4:00	4:15	1/4												
	Pull up change BITs	1:00	1:45	1/4	Drillout sand pipe plug	8:15	12:30	4 1/4	Drill 12 1/4" hole	4:15	4:30	1/4												
	Drilling Plug + CEMENT	1:45	8:00	6 1/4	Drill 12 1/4" surface hole	12:30	1:45	1 1/4	Survey & connection	4:30	5:30	1 1/2												
				Condition hole & survey	1:45	2:30	3/4	Drill	5:30	7:00	1 1/2													
				Drill	2:30	2:45	1/4	Rig R and L	7:00	7:30	1/2													
				Repair inertia brake	2:45	3:15	1/2	Drill	7:30	10:30	3													
				Drill	3:15	4:00	3/4	Survey	10:30	11:00	1/2													
								Drill	11:00	12:00	1													

Driller E.H. DupuisDriller W. G. G. G.Driller B. Hardie

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 Time _____ hrs.

Total Company Time _____ hrs.

Toolpusher Louis R. R. R.Approved by W. G. G. G.

I.D.E. *MARTIN House* *150-66-50-133-15*

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. *2A*
 LSD. SEC. TWN. RGE. W. Contractor *Baudens D/O* Type Rig *Oil Well 642* Month *April* Day *16* 19*66*

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															
		<i>73</i>			<i>13 3/8</i>													<i>73</i>			<i>13 3/8</i>													<i>73</i>			<i>13 3/8</i>																
		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							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					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		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.														
		<i>W.O.C. Conductor Log</i>					<i>12⁰⁰</i>	<i>8⁰⁰</i>	<i>8</i>								<i>W.O.C.</i>					<i>8⁰⁰</i>	<i>4⁰⁰</i>	<i>8</i>								<i>W.O.C.</i>					<i>4⁰⁰</i>	<i>11¹⁵</i>	<i>7¹⁴</i>														

LSD. SEC. TWN. RGE. W.

Contractor Bawden G. Co.

Type Rig Oilwell 642 Month April Day 17 1966

	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						
							D		49	1+7	12 1/4		49		73	24	12 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.						
										150.52		54B. 8.90		Subs	890		30.41	3.29	reamer					
	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	1	6 1/2	3.129	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							
								Drilled	Reamed								Drilled	Reamed						
										1A	D.T	2:00 PM		2		3	1+9							
	Bit Serial No.						Table R.P.M.						Bit Serial No.						Table R.P.M.					
	Jet or Conventional -						Nozzle Size						Jet or Conventional - CON						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				
								3:30	5.5	8.3			1600 Gel 100 Caustic											
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 MARKS					From	To	Hrs.					From	To	Hrs.				From	To	Hrs.				
								Rigging up				8:00	9:00	1	Drill 12 1/4" hole 49'-73'	4:00	6:00	2						
								Spud in + Drill 12 1/4" hole				2:00	4:00	2	Pick up 17 1/2" reamer									
															Run & Cement Core 12' P.C.	9:00	11:15	2 1/4						
														Well C	11:15	12:00	3/4							
	Driller.....						Driller E H Dupuis						Driller J Blair											

CLASSES OF TIME BREAKDOWN										DID YOU CHECK BLOWOUT PREVENTER EQUIPMENT TODAY	
DRILLING 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:					
DRILLING:	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 Don Bell Approved by Jim Kelley

IMPERIAL OIL LIMITED

FORM NO. 559

DATE April 18/66

EDMONTON PRODUCING DIVISION

PAGE NO. 1

PIPE TALLY

TALLY NO. 1

NAME OF WELL LOE MARTIN HALL 150-66-50-133-15

CONTRACT RIG PETER FAUDER MEASURED BY Jim Kerby CHECKED BY Jim Kerby

NOMINAL PIPE SIZE 13 3/16 WT. 54.2 LB/FT. GRADE JS RANGE 2 THREADS PER INCH 5.00
TYPE OF PIPE S LONG/SHORT COLLAR Short MANUFACTURER Stewart & Loomis

No.	FOOTAGE		No.	FOOTAGE		No.	FOOTAGE		No.	FOOTAGE		No.	FOOTAGE	
	FEET	TENTHS		FEET	TENTHS		FEET	TENTHS		FEET	TENTHS		FEET	TENTHS
1	45	12	21			41			61			81		
2	32	44	22			42			62			82		
3			23			43			63			83		
4			24			44			64			84		
5			25			45			65			85		
6			26			46			66			86		
7			27			47			67			87		
8			28			48			68			88		
9			29			49			69			89		
10			30			50			70			90		
TOTAL 1-10	77	62	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 1-20			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	77	62	GRAND TOTALS 1-100			CAUTION: IF THE BOTTOM TEN JOINTS ARE NOT RUN IN SEQUENCE SHOWN. INDICATE ACTUAL SEQUENCE			
TOTAL 21-40			GRAND TOTALS 101-100						
TOTAL 41-60			GRAND TOTALS						
TOTAL 61-80			GRAND TOTALS						
TOTAL 81-100			GRAND TOTAL						
GRAND TOTAL 1-100			GRAND TOTAL			FLOAT COLLAR _____ FT			
						FLOAT SHOE _____ FT			
						_____ FT			
						_____ FT			