JOE CLARE
F-79

Drilling Authority No. 154

Date Issued .....

WELL NAME IOE Clare F-79

FIELD ..... Area: .....

LOCATION: Unit F Section 79 Grid 67-10 - 133-00

Latitude 67-08-20 Longitude 133-14-20

From Established Reference Marker .....

.....

Rig Release Date: .....

Status .....

Information Release Date .....

CHANGE OF NAME:

DATE RECEIVED	INDEX
	Application for a Drilling Authority.
	Well Completion Data.
	Well History Report.
	Application to Amend a Drilling Authority.
	Application to change a Well Name.
	Application to Abandon a Well or Suspend Drilling.
	Application to Alter Condition of a Well.
	Well History Supplement.
	Well Completion Data.
	Work-over Report No.....
	Application to Commingle Production before Measurement.
	Data for Back Pressure Test on Natural Gas Wells — Monograph 7 Method.
	Data for Back Pressure Test on Natural Gas Wells — Vitter's Method.
	M.P.R. — Oil — Calculations.
	New Oil Well Report.
	New Gas Well Report.
	Well Inspection Report.
	Rig Inspection Report.
	Battery Inspection Report.
	Equipment Report.
	Well Card.
	Well Visit.
	Daily Drilling Reports.
	Logs. Large scale ..... Small scale .....

CANADA

Drilling Authority No. 154

Date Issued March 30, 1965

DEPARTMENT OF NORTHERN AFFAIRS AND NATIONAL RESOURCES
RESOURCES 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 CLARE F-79

Permit No. 3643 Lease No. NA

Imperial Oil Enterprises (Permittee, Licensee, Lessee) Exploratory Licence No. 700

Imperial Oil Enterprises (Operator) Exploratory Licence No. 700

Location: Unit F Section 79 Grid 67°10' 133°00'

Latitude 67°08' 20"N Longitude 133°14'20"W

From Established Reference Marker: Location will be from Government Map Pick and Air Photos over Rig in Place

	DATE	DEPTH
Spudded	Apr. 5/65	NA
Suspended	NA	NA
Resumed	NA	NA
Finished Drilling	June 17/65	8286'
Deepened	NA	NA
Complete (gas/oil)	NA	NA
Abandoned	June 20/5	8286'
Rig released	June 20/5	8286'

Pool (S): None

Interval(s) open to production: None

Elevation: Gr. 343

K.B. 356.5

Drilling Contractor & Rig No. Peter Bawden Ltd. Rig #16

Contractor's Licence No. A10247

CASING RECORD

	Casing Size (Inches)	Weight	Amount	Set at—	Sacks of Cement	Method
1.	8 5/8"	28 lbs/ft.	841.99	841	350 +2½% $CaCl_2$	Pump
2.						
3.						
4.						
5.						
6.						

GEOLOGICAL TOPS	ELEVATION Depths	ELEVATION Sub-Sea
Imperial	20	+337
Canol-Hare	3770	-3413
Bone	3928	-3572
Bear Rock	4242	-3885
Running	5719	-5362

CORE RECORD

From	To	Rec.	From	To	Rec.
851	871	20	4153	4203	47'
1506	1520	14'	4203	4253	50'
2175	2190	15'	4253	4303	50'
2965	2975	10'	4435	4485	50'
3844	3896	12'	4485	4535	50'
3922	3951	29'	4963	5013	50'
3951	4001	50'	5550	5600	50'
4032	4052	20'	5707	5732	25'
4103	4153	50'	5732	5782	50'
			5860	5885	25'
			6782	6798	16'
			6798	6825	27'
			8268	8286	18'

LOG RECORD

Run No.	Type of Log	From	To
1	B.H.C. Sonic/Caliper	8286	841
1	Microlaterolog Caliper	8286	841
1	Continuous Dipmeter	8286	841
1	Temperature Log	8286	841 50
1	Induction 67760	8286	841
1	Boroid Gas Detector	8286	Surface-
1	Seismic Reference	8286	841

JUL 8 1965

NANR 52-90(2) (1-61)

CEMENTING RECORD (Plug, Squeeze, etc.)

Date	From	To	Remarks
June 19/5	8236	8286	30 sacks
20/5	5740	5840	70 sacks felt at 5690
	800	980	100 sacks felt at 790
	Top of Casing		Cut off casing, 5 sacks and weld steel name plate to casing.

PERFORATING RECORD (Bullet, Jet) NA

Date	From	To	Remarks

SERVICING RECORD (Acidizing, Fracing, etc.) NA

Date	From	To	Remarks

DRILL STEM TESTS

No.	Date	Formation	From	To	V.O. Mins.	I.S.I. Mins.	F.S.I. Mins.	I.S.I.B.H.P.	F.S.I.B.H.P.	I.F.B.H.P.	F.F.B.H.P.	I.H.P.	F.H.P.	REMARKS
1	Apr.9/5	Imperial	375'	448	60	60	90	-	-	-	-	181#	177#	Rec. 10' mud - considered MISRUN
2	Apr.16/65	Imperial	1402'	1520	15	60	120	52#	98#	56#	62#	692#	706#	Rec. 12' mud
3	Apr.21/5	Imperial	2634'	2654	60	60	60	89#	137#	89#	125#	1428#	1431#	Rec. 5' mud
4	May 17/5	Bear Rock	5495'	5600	60	90	60	2469#	139#	42#	90#	2926#	2855#	Rec. 55' mud
5	May 19/5	Bear Rock	5625'	5700	60	60	60	2533#	2403	41#	57#	2925#	2899#	Rec. 90' watery mud.
6	June 19/5	Ronning	5790	5850	60	60	60	2595	2554	60#	69#	3015#	2973#	Rec. 20' mud.

Lab. No.	Sample	From	To	Source	Remarks
F-2347	Core	8268	8286	Core #22	Nil
F-2348-1&2	Watery-mud	5625	5700	DST #5	For Cl and Resistivities only

PRESENT STATUS OF WELL

Oil		NA (Interval.)
Gas		NA (Interval.)
Dry		Surface-T.D.
Susp.		No

Company Imperial Oil Enterprises Ltd.

Signed by G.R.A. Milne

Total Division Geologist Wellsite Supervisor

Date July 5, 1965

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

File No.....

Drilling Authority No. 154

DEPARTMENT OF NORTHERN AFFAIRS AND NATIONAL RESOURCES
RESOURCES DIVISION

Application to Abandon a Well or Suspend Drilling

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

Name and number of well: IOE CLARE F-79

Location: Unit: F Section: 79 Grid: 67°10' - 135°00'

Latitude: 67°08'20" N Longitude: 135°14'20" W

From Established Reference Marker: Location will be from Government map pick and air photos over rig in place

Permit No.: 3643 Lease No.:

Imperial Oil Enterprises Ltd.
(Permittee, Licensee, Lessee)

Date of commencement of proposed programme: June 19, 1965.

OIL, GAS, AND WATER ENCOUNTERED
(Depths)

Oil at: None

Gas at: None

Water at: Porosity 5790 - 6000 — Essentially Tight

Total Depth: 8,286 Date of last operations: June 19, 1965.

Present condition of well: Good:- Gel - Chemical Mud

CASING RECORD

	Casing Size O.D. Inches	Weight	Amount	Set At—	Sack of Cement	Method	Amount Pulled
1.	8 5/8	28	822.69	841 K.B.	350 + 2% $CaCl_2$	Pump	None
2.							
3.							
4.							
5.							

PROPOSED ABANDONMENT PROGRAMME

Plug No.	Plug Position	Geological Formation	Number of Sacks of Cement	Remarks
1	8286 - 8236	Bonning	30	Do not feel
2	5740 - 5940	Bonning	70	Feel after 8 hrs.
3	800 - 900	Surface Casing	100	Feel after 8 hrs.
4	Surface	Surface	5	Cut off casing and weld steel plate with name plate

The following logs have been run: IES (6FF40) BHC (Sonic) Cont. Dipmeter, Temp, Microlateroloc (Velocity

Other operations proposed: DST #6 5790 - 5850 5/60/60/60 Rec 20' Mud

Operations to be carried out by: Peter Bawden Contractor Licence No.: A-10247

Address: Address:

Responsible Agent in field: G.E. Schultis - Trail Building, Dawson Creek, B.C.

Dated at: Dawson Creek, this: 21st Day of: June 1965

Signed by: Company: Imperial Oil Enterprises

Title: Division Engineer Exploratory Licence No.:

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

(For RESOURCES DIVISION use only)

APPROVAL

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

Confirming oral approval given by Mr. B.E.J. Thoms on 19th June 1965

Dated: 24th June, 1965

B. E. J. Thoms

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

NANR 52-90 (5) (1-61)

File No.....

Drilling Authority No. 154

DEPARTMENT OF NORTHERN AFFAIRS AND NATIONAL RESOURCES
RESOURCES 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 made hereby for approval to drill:—

Name and number of well: IOE Clare F-79-67-10-133-00

Location: Unit: F Section: 79 Grid: 67°10' - 133°00'

Latitude: 67° 08' 20" N Longitude: 133° 14' 20" W

From Established Reference Marker: Location will be from Government map pick and air photos over rig in place

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

Well is expected to produce from: Middle Devonian formation at a depth of about 3,900 feet. with a total depth of 8,500 feet

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

Permit No. 3643 Lease No..... Acreage 49920

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

Exploratory Licence No. 700

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

Petroleum and natural-gas rights owned by: Crown

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

Casing Size O.D. (Inches)	Weight (Lb./Ft.)	Grade	Brand	New or Used	Estimated Depth	Sacks of Cement
1. 8 5/8	28	N80	Mannesman	New	850'	to surface
2.						
3.						
4.						
5.						

Expected water, gas, and oil horizons and type of control equipment: Hydril and double gate shaffer

Noted 7/Apr

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

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

At well: G.E. Schultis At registered office: J.S. Poyen

Address: Trail Building Dawson Creek B.C. Address: 500 - 6th Avenue S.W. Calgary Alta.

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

Dated at Calgary, this 26 day of March 19 65

Signed by: R. Hounfield Company: Imperial Oil Enterprises Ltd.

Title: Regional Engineer Licence No.....

(For Resources 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 30th March 19 65 [signature illegible]

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

NANR 52-90(1) (1-61)

CANADA

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT

OIL AND MINERAL DIVISION

File No. .....
Drilling Authority No. ...154.....

WELL-SITE INSPECTION REPORT

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

TO: The Oil Conservation Engineer:

RE: IOE CLARE F-79 67-10-133-00

Location: 67.13889° N., 133.23889° W. Status: D&A June 1965

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

The location is in satisfactory/unsatisfactory condition. TD 8286'

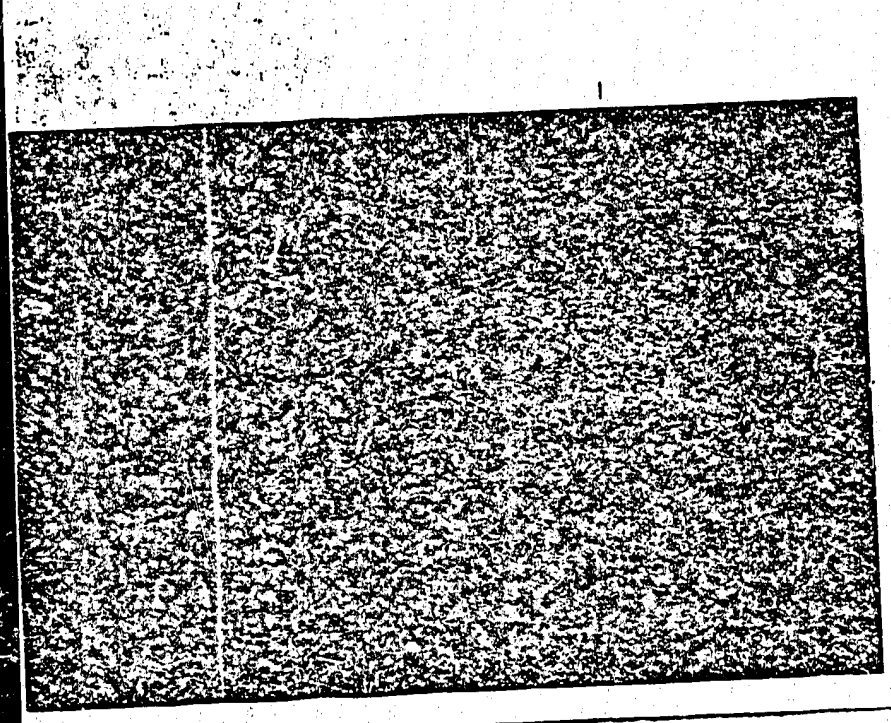
The following items require attention:

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

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

Clean lease.

Wood piled.



Inspected by M. D. Thomas
District 2

Original to Oil Conservation Engineer, Dept of IA & ND, Duplicate to Field Office or Inspecting Engineer.
IAND 52-90-14 (9-69)

10E CLARE F-79 67°-10'-133°-00'

F.24, 5" lens, f:8, 1/350, 2,900' A.S.L.

IOE CLARE F-79 67°-10'-133°-00'

F.24, 5" lens, f:8, 1/350, 2,900' A.S.L.

O

IOE CLARE F-79 67°-10'-133°-00'

F.24, 5" lens, f:8, 1/350, 2,900' A.S.L.

IDE CLARE F-79 67°-10'-133°-00'

F.24, 5" lens, f:8, 1/350, 2,900' A.S.L.

IOE CLARE F-79 67°-10'-133°-00'

F.24, 5" lens, f:8, 1/350, 2,900' A.S.L.

IOE CLARE F-79-67-10-133-00

June 23, 1965

TOTAL DEPTH 8,286' - abandoned

CORE #22 - 8268' - 8286'. Recovered 18'.

DST #6 - 5,790' - 5,850'. Straddle bypass
Recovered 20' mud

I.S.I. 60 mins. V.O. 60 mins. F.S.I. 60 mins.

I.S.I.P.	2594
F.S.I.P.	2587
F.P.	57
I.H.P.	2985
F.H.P.	2985

BHT 158°

PLUG #1 - 8286' - 8236' with 30 sacks
#2 - 5740' - 5840' " 70 sacks. Felt @ 5690'
#3 - 800' - 900' " 100 " . Felt @ 790'
#4 - 5 " in surface casing

RIG RELEASED 20th June 1965

FINAL REPORT

IOE CLARE F-79-67-10-133-00

June 15, 1965 Depth 8,145' - drilling

Deviation @ 5,550' - 3¼°

6195' - 4 3/4°

6,550' - 4 7/8°

IOE CLARE F-79-67-10-133-00

June 9, 1965 Depth 7,560' - drilling - all tight dolomite since last report

IOE CLARE F-79-67-10-133-00

June 1, 1965 Depth 6,950' - drilling

CORE #20 - 6782' - 6798'. Recovered 14'.

CORE #21 - 6798' - 6825'. " 27'.

IOE CLARE F-79-67-10-133-00

May 25, 1965

Depth 6,348' - drilling

DST #5 - 5625' - 5700'. Recovered 90' watery mud. Mud prior to test was 4500 ppm chloride. Recovered 19000 ppm - thought to be formation water.

I.S.I. 60 mins. V.O. 60 mins. F.S.I. 60 mins.

I.S.I.P.	2580	
F.S.I.P.	2429	
I.F.P.	65	
F.F.P.	87	
I.H.P.	2960	
F.H.P.	2937	BHT 132°

CORE #17 - 5707' - 5732'. Recovered 25'.

CORE #18 - 5732' - 5782'. " 50'.

CORE #19 - 5860' - 5885'. " 25'.

IOE CLARE F-79-67-10-133-00

May 18, 1965

Depth 5,665'- drilling

CORE #16 - 5550' - 5600'. Recovered 50'.

DST #4 - 5495' - 5560'. Recovered 55' drilling mud

I.S.I. 90 mins. V.O. 60 mins. F.S.I. 60 mins.

I.S.I.P.	2409	
F.S.I.P.	Failed	
I.F.P.	34	
F.F.P.	80	
I.H.P.	2919	
F.H.P.	2860	B.H.T. 126°

IOE CLARE F-79-67-10-133-00

May 12, 1965

Depth 5,064' - tripping.

CORE #12 - 4253' - 4303'. Recovered 50'.

CORE #13 - 4435' - 4485'. " 50'.

CORE #14 - 4485' - 4535'. " 50'.

CORE #15 - 4963' - 5013'. " 50'

IOE CLARE F-79-67-10-133-00

May 4, 1965

Depth 4,253' - tripping out with Core No. 11

CORE #5 - 3844' - 3856'. Rec. 12'

CORE #6 - 3922' - 3951'. Rec. 29'.

CORE #7 - 3951' - 4001'. Rec. 50'.

CORE #8 - 4032' - 4052'. Rec. 20'.

CORE #9 - 4103' - 4152'. Rec. 49'.

CORE #10 - 4152' - 4202'. Rec. 50'.

CORE #11 - 4202' - 4253'.

IOE CLARE F-79-67-10-133-00

April 20, 1965 Depth 2,340' - drilling

CORE #1 - 851' - 871'. Recovered 20'

CORE #2 - 1506' - 1520'. " 14'

DST #2 - No particulars

IOE CLARE F-79-67-10-133-00

April 13, 1965

Depth 850' - Waiting on cement

DST #1 - 375' - 448'. Weak air blow. Recovered water cut mud.

I.S.I. 60 mins. V.O. 60 mins. F.S.I. 90 mins.

H.P. 174

BHT 53° F.

DST made because of rise in mud salinity. Charts very poor.

8 5/8" x 28#, N-80 casing landed @ 841'. Cemented with 350 sacks + 2½% $CaCl_2$.

ELEVATIONS: GR. 343
K.B. 356.5

Taken from seismic shot point 26-4292.

IOE CLARE F-79-67-10-133-00

April 7, 1965

Depth 60' - Waiting on cement

SPUDDED - 5th April 1965

Set 13 3/8" conductor pipe @ 45' with 85 sacks neat cement fondu

GEOLOGICAL & EVALUATION
Resource Management Division
AUG 30 1965
OTTAWA, CANADA
Dept. of Northern Affairs & National Resources

IOE CLARE F-79

67° 10' 133° 00'

WELL SUMMARY

Well Name	:	IOE CLARE F-79 67°10' 133°00'
Permittee	:	Imperial Oil Enterprises
Name of Operator	:	Imperial Oil Enterprises
Location	:	F-79 67°10' 133°00' 67°08'20"N, 133°14'20"W
Permit Number	:	3643
Drilling Contractor	:	Peter Bawden Ltd. Rig #16
Drilling Authority	:	No. 154 Issued : March 30, 1965
Classification	:	New Field Wildcat
Elevations	:	Ground 343 K.B. 356.5
Spudded	:	April 5, 1965
Completed Drilling	:	June 17, 1965
Total Depth	:	8286'
Well Status	:	Abandoned
Rig Released	:	June 20, 1965
Hole Size	:	0-60 : 17 1/2" 60-850 11" 850-8268 7 7/8" 8268-8286 7 13/16"
Casing	:	8 5/8" x 841.99' C-350 + 2 1/2% $CaCl_2$

CHEMICAL & GEOLOGICAL LABORATORIES LTD.

EDMONTON — CALGARY — FORT ST. JOHN

Date Reported: June 30, 1965

Laboratory Report Number: F2348

IMPERIAL OIL LIMITED

Well No.: I.O.E. Clare F-79-67-10-133-00

KIND OF SAMPLE: Mud

Date Sampled: Not Known

Date Received: June 29, 1965

F2348-1: D.S.T. #5. Sample from Pipe. T. = 74°F.; Rm. = 0.59; Rmf. = 0.28 and Rmc. = 0.66.

F2348-2: D.S.T. #5. Sample from Pipe. T. = 74°F.; Rm. = 0.40; Rmf. = 0.25 and Rmc. = 0.53.

LABORATORY NUMBER		
F2348-1:	Chloride Content:	15,531 ppm.
	Resistivity:	0.292 Ohm-Meters @ 68°F.
F2348-2:	Chloride Content:	17,535 ppm.
	Resistivity:	0.238 Ohm-Meters @ 68°F.

Core Anal.

CHEMICAL & GEOLOGICAL LABORATORIES LTD.

EDMONTON — CALGARY — FORT ST. JOHN

July 2, 1965

Laboratory Report Number F2347

I.O.E. Clark F-79

Slave Point (8268.0' - 8286.0')

IOE CLARE F-79-67-10-133-00

April 27, 1965 Depth 3,633' - tripping for bit

CORE #3 - 2175' - 2190'. Recovered 15' basically shale

CORE #4 - 2965' - 2975'. " 10' interbedded siltstone and shale.

DST #2 - 1402' - 1520'. Recovered 12' slightly water cut, slightly oil cut mud. Oil thought to be from formation.

I.S.I. 60 mins. V.O. 15 mins. F.S.I. 120 mins.

I.S.I.P.	55
F.S.I.P.	108
I.F.P.	55
F.F.P.	62
I.H.P.	692
F.H.P.	692

DST #3 - 2634' - 2654'. Recovered 5' mud.

I.S.I. 60 mins. V.O. 60 mins. F.S.I. 60 mins.

I.S.I.P.	109
F.S.I.P.	174
I.F.P.	109
F.F.P.	161
I.H.P.	1482
F.H.P.	1462

NOTE; As regards your memorandum of the 22nd April, in view of the very shallow depth IOE of Dawson Creek are not sure whether the indeterminate pressures are due to a misrun or not. They have sent the DST Charts away for interpretation and we will inform you of the Company's opinion and resuts when these are obtained.

CORE ANALYSIS CODE KEY

I Permeability (md) (Columns F, G, H)

Code

(m) when K max, and Kπ are measured
(r) when K radial is measured
(h) when a single horizontal K is measured

II Plug Quality (Column N)

Code Condition (Subcolumn 1)

1 - Fractured
2 - Missing (includes cement plugs)
3 - Broken or unconsolidated
4 - Uncored
5 - Portion of core not analyzed

Texture (Subcolumn 2)

1 - Dense

Interpretation (Subcolumn 3)

1 - Same as
2 - Interpreted Value (editing stage)
3 - Assigned footage
4 - Interpreted Values for footage, permeability, porosity and lithology

III Plug Type (Column O)

Code

1 - Full diameter (includes 4 3/8", 3 1/2", 2 5/8", 2 3/4" diameter)
2 - Slime hole (less than 2 1/2" diameter)
3 - Cubes - any size
4 - Horizontal test plugs - any size
5 - Vertical test plugs - any size
6 - Test plugs - all sizes - undifferentiated position
7 - Unconsolidated technique
8 - Combined plugs - full diameter, plus cubes test plugs, etc....
9 - All measurements except vertical permeability on horizontal test plugs. Vertical permeability taken on vertical test plugs
10 - Horizontal permeabilities run on small diameter plugs (other meas. full diameter)
11 - Full diameter (glazed surface removed)

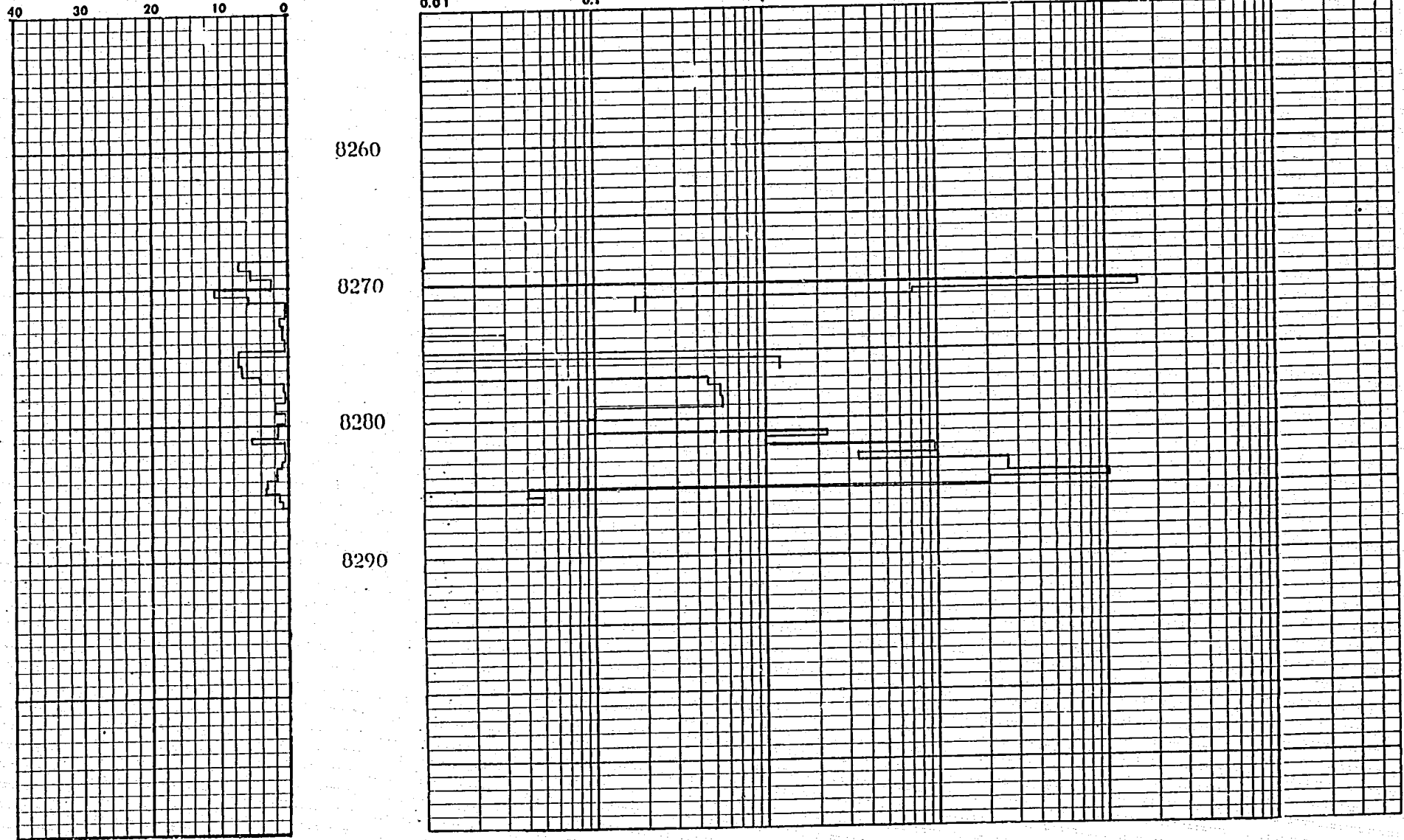
CGL 52

CHEMICAL & GEOLOGICAL LABORATORIES LTD.

Operator Imperial Oil Limited Interval Cored 8268' To 8286'

Well No. I.O.E. Clark F-79 Coring Fluid ---

Lab. No. F2347 Elevation --- Formation Slave Point



CHEMICAL & GEOLOGICAL LABORATORIES LIMITED

COMPANY : Imperial Oil Limited
WELL : I.O.E. Clark F-79
FIELD :
PROVINCE: British Columbia

DATE OF REPORT: July 2, 1965
LOCATION : F-79 67° 10' - 133° 00'
FORMATION : Slave Point
CORES : #22

LABORATORY REPORT NUMBER: F2347

Plug No. (Card. Field)	Interval Represented Top B	Base C	Thick D	(m)	Permeability (md.) Maximum F	90° G	Vertical H	Porosity % I	Density Porosity Feet	Bulk J	Grain K	Plug Quality N Condition (1)	Texture (2)	Interpretation (3)	Plug Type O	Description
	Core Number 22		8268' - 8286'		Cored 18.0'				Received in laboratory 18.0'				Slave Point Formation			
									4.76	2.69	2.89	---	---	---	4	SP Dol R1 V X
1	8268.0	8268.7	0.7	h	<0.01	---	---	6.8	3.92	2.71	2.87	1	---	---	1	Dol R1 V X OVF
2	8268.7	8269.4	0.7	m	(a)	(a)	(a)	5.6	1.68	2.79	2.85	1	---	---	1	Dol R1 V X OVF
3	8269.4	8270.1	0.7	m	(a)	(a)	(a)	2.4	4.32	2.58	2.90	---	---	---	1	Dol R1 V X RC
4	8270.1	8270.5	0.4	m	158.	78.	1.0	10.8	2.80	2.73	2.89	---	---	---	1	Dol R1 V X VC
5	8270.5	8271.0	0.5	m	7.2	0.13	<0.01	5.6	0.55	2.82	2.84	1	---	---	1	Dol R1 OccPPV X OVF
6	8271.0	8272.1	1.1	m	0.18	(a)	(a)	0.5	0.77	2.81	2.84	1	---	---	1	Dol R1 OccPPV X OVF
7	8272.1	8272.8	0.7	m	(a)	(a)	(a)	1.1	0.90	2.81	2.84	---	---	---	4	SP Dol R1 OccPPV X
8	8272.8	8273.7	0.9	h	<0.01	---	---	1.0	0.48	2.80	2.81	---	---	---	1	Dol R1 OccPPV X
9	8273.7	8274.5	0.8	m	0.03	0.02	<0.01	0.6	8.25	2.64	2.85	1	---	---	1	Dol R1 V X OVF
10	8274.5	8275.6	1.1	m	(a)	(a)	(a)	7.5	5.36	2.66	2.85	1	---	---	1	Dol R1 V X OVF
11	8275.6	8276.4	0.8	m	1.3	(a)	(a)	6.7	2.00	2.71	2.82	1	---	---	1	Dol R1 V X OVF
12	8276.4	8276.9	0.5	m	(a)	(a)	(a)	4.0	0.42	2.85	2.87	---	---	---	1	Dol R1 OccPPV St
13	8276.9	8277.5	0.6	m	0.45	0.29	0.07	0.7	0.42	2.80	2.82	1	---	---	1	Dol R1 OccPPV St HC
14	8277.5	8278.2	0.7	m	0.55	0.12	0.17	0.6	1.71	2.77	2.82	---	---	---	1	Dol R1 OccV X RC
15	8278.2	8279.1	0.9	m	0.56	0.27	0.14	1.9	0.40	2.82	2.83	---	---	---	1	Dol R1 OccPPV HC
16	8279.1	8279.9	0.8	m	0.10	0.03	0.05	<0.5	1.60	2.78	2.82	---	---	---	1	Dol R1 OccV X RC
17	8279.9	8280.9	1.0	m	0.09	0.07	<0.01	1.6	1.59	2.74	2.89	---	---	---	1	Dol R1 V X St
18	8280.9	8281.2	0.3	m	2.3	2.2	<0.01	5.3	0.30	2.83	2.83	1	---	---	1	Dol R1 OccV X St VF
19	8281.2	8281.8	0.6	m	0.99	0.05	<0.01	<0.5	0.40	2.83	2.84	1	---	---	1	Dol R1 OccV X St VF
20	8281.8	8282.6	0.8	m	9.9	0.05	<0.01	<0.5	0.40	2.83	2.85	1	---	---	1	Dol R1 OccV X OVF
21	8282.6	8283.1	0.5	m	3.5	(a)	(a)	0.8	1.20	2.80	2.84	1	---	---	1	Dol R1 OccV X VF
22	8283.1	8283.9	0.8	m	26.	6.1	35.	1.5	1.74	2.77	2.85	1	---	---	1	Dol R1 OccV X VF
23	8283.9	8284.5	0.6	m	102.	80.	135.	2.9	1.20	2.79	2.87	1	---	---	1	Dol R1 OccV X VF
24	8284.5	8284.9	0.4	m	20.	8.8	9.4	3.0	0.90	2.75	2.79	---	---	---	1	Dol R1 OccV X RC
25	8284.9	8285.5	0.6	m	0.04	<0.01	<0.01	1.5	0.55	2.74	2.78	---	---	---	1	Dol R1 OccV X RC
26	8285.5	8286.0	0.5	m	0.05	0.02	<0.01	1.1								

CORE DESCRIPTION SYMBOLS

(a)	Unsuitable for test
A	Anhydrite
(b)	Fractured during test
BlSh	Black Shale
Bit	Bitumen
Bn	Bentonite
Br	Brecciated
Bt	Buttoned
Ca	Calcite
Cg	Conglomerate
Ch	Chert
Co	Coralline Fragments
CSS	Coarse Sandstone
D	Dense
Dol	Dolomite
ds	Dense Siderite
FD	Full diameter
Fg	Fragmental
fSL	Fine Sand Lenses
fSS	Fine Sandstone
foss	Fossiliferous
fSSL	Fine Sandstone Lenses
Gl	Glauconitic
HC	Horizontal Crack
HF	Horizontal Fracture
I	Intergranular
InB	Interbedded
K°	Taken 90° to $K_{\parallel}$
$K_{\parallel}$	Maximum Horizontal Permeability Measured
Ls	Limestone
LV	Large Vugs
MSS	Medium Sandstone
mudst	Mudstone
NR	Not reactive to cold 15% HCl
O	Open
OccV	Occasional Vugs
ool	oolitic
PPV	Pin Point Vugs
PTSL	Paper Thin Shale Laminations
Py	Pyrites
Pyb	Pyrobitumen
R1	Slightly reactive to cold 15% HCl
R2	Reactive to cold 15% HCl
RC	Random Cracks
RF	Random Fractures
S	Stained
Sd	Sand
Sdy	Sandy
Sh	Shale
ShL	Shale Lenses
Shy	Shaly
Sil	Siltstone
SI	Slightly Intergranular
SL	Sand Lenses
SP	Small Plug
St	Stylolite
SV	Slightly Vuggy
TR	Trace
U	Unconsolidated
V	Vuggy
VC	Vertical Crack
VF	Vertical Fracture
VSI	Very Slightly Intergranular
X	Crystals
NB.	$K_{\parallel}$ and K° are transverse permeability measurements on full diameter samples.

"TIGHT HOLE"

IOE CLARE F-79

(67°10'N 133°00'W)

CORE DESCRIPTION

CORE #1	851' - 871'	Recovered 20/20' by Johnston Testers Ltd.
851' - 863.5'	Shale, medium grey-dark grey, dips flat, laminated silt. 95% shale, 5% siltstone.	
863.5' - 868.0'	Siltstone, light grey, very argillaceous, slightly sandy quartzose, feldspathic, moderately hard, some dark shale. Siltstone 60%, Shale 40%	
868.0' - 871.0'	Shale, as in interval 851' - 863.5'	
CORE #2	1506' - 1520'	Recovered 214/14 by Johnston Testers Ltd.
	Shale, medium dark grey, silty.	
CORE #3	2175' - 2190'	Recovered 15/15' by Johnston Testers Ltd.
2175' - 2190'	Shale, medium grey-grey brown, very minor argillaceous limestone bands.	

per -- H.F. Sproule --
-- P.M. Ryan --

Geologists

IOE CLARE F-79 67°10'N133°00'W

Core Description

Core #4 2965' - 2975' Cut 10 Recovered 10'

Interbedded siltstone and shale, argillaceous trace calcareous, trace sandstone, tight.

Core #5 3844' - 3856' Cut 12 Recovered 12'

Shale dark grey and brown common pyrite stringers.

-- H. Halbertsma --
Geologist

IOE CLARE F-79

(67°10'N 133°00'W)

CORE DESCRIPTION

CORE #6 3922' - 3955' Recovery 29'

3922' - 3922.7	Limestone, dark grey, argillaceous, bituminous Trace pyrite.
3922'07"-3923'	Limestone, dark grey, bituminous scattered fossils Trace pyrite.
3923'-3927'02"	Limestone, dark grey, bituminous, argillaceous scattered fossils.
3927'02" - 3938'08"	Mudstone, grey, calcareous.
3938'08"-3939'01"	Limestone, grey, argillaceous micrite.
3939'01"-3941'	Mudstone, grey, calcareous.
3941'-3942'	Limestone, grey, argillaceous micrite.
3942'-3951'	Mudstone, grey calcareous.

CORE #7	3951' - 4001'	Recovery 50'
	Mudstone calcareous, grey tight.	
CORE #8	4032' - 4052'	Recovery 20'
4032-4034'07"	Sandstone, grey, calcareous, with limestone interbeds.	
4034'07"-4036'03"	Limestone, grey to buff, argillaceous	
4036'03"-4052'	Mudstone, grey, calcareous. Some boudinage.	
CORE #9	4103' - 4152'	Recovery 50'
4103-4120'	Mudstone, grey, calcareous, fossiliferous in part.	
4120-4134'08"	Limestone, grey, fossiliferous, cryptocrystalline.	
4134'08"-4149'04"	Limestone, grey micrite. With fossiliferous interbeds.	
4149'04"-4153'	Limestone, grey to buff, argillaceous micrite.	
CORE #10	4153' - 4203'	Recovery 47'
4153'-4163'	Limestone, grey to buff, calcareous mudstone and irregular shale interbeds. Pyritic and bituminous.	
4163'-4190'	Limestone, grey to buff, argillaceous micrite. Interbedded with grey, calcareous mudstone.	
4190'-4203'	Mudstone, grey,calcareous, interbedded with buff grey micritic limestone.	
CORE #11	4203'-4253'	Recovery 50'
4203'-4205'07"	Mudstone, grey, calcareous, laminated.	
4205'07"-4207'07"	Limestone, grey to buff grey. Argillaceous micrite. Interbedded with mudstone, as above.	
4207'07"-4209'05"	Mudstone, grey, calcareous, laminated. Limestone, grey skeletal, argillaceous micrite.	
4209'05"-4213'05"	Mudstone, grey, calcareous.	
4213'05"-4213'11"	Limestone, grey to buff grey, argillaceous micrite.	
4213'11"-4220'05"	Mudstone, grey, calcareous, laminated.	

CORE DESCRIPTION - IOE CLARK F-79 (Cont'd)

4220'05"-4221'	Limestone, very argillaceous, grey micrite, pyritic.
4221'-4223'07"	Mudstone, grey, very calcareous.
4223'07"-4224'05"	Limestone, grey to buff grey, argillaceous micrite.
4224'05"-4229'02"	Mudstone, grey, calcareous, laminated in part.
4229'02"-4229'08"	Limestone, grey to buff grey, argillaceous micrite, Grey sandstone laminations.
4229'08"-4238'[illegible]"	Mudstone, grey, calcareous.
4238'-4240'10"	Limestone, grey to buff grey, argillaceous micrite, Some fine shale interbeds.
4240'10"-4253'	Limestone, buff grey, micrite. Abundant secondary calcite cement.

-- As logged by H.L. Halbertsma --
Wellsite Geologist

HLH/pr

July 19, 1965.

ICE CLARE F-79 67°10'N 133°00'W

CORE DESCRIPTION

Core #12 4253' - 4303' Cut 50 Recovered 50'

Limestone micritic, some fossils stylolitic, trace bituminous partings dense tight.

Core #13 4435' - 4485' Cut 50 Recovered 50'

Limestone micritic brown to light brown, argillaceous in part trace fracturing, tight.

Core #14 4485' - 4535' Cut 50 Recovered 50'

4485' - 4526'	Limestone, micritic, light brown, argillaceous, dolomitic in part some thin shale partings, tight.
- 4527'	Shale dark brown, calcareous.
4527' - 4535'	Limestone, micritic buff to light brown dense, tight.

Core #15 4963' - 5013' Cut 50' Recovered 50'

4963' - 4981'	Limestone, micritic, buff to light brown, dolomitic and bituminous in part, tight.
- 4891'	Dolomite, microcrystalline earthy, tight.
- 5011'	Dolomite microcrystalline argillaceous, pyritic, trace poor porosity to tight.
- 5013'	Limestone, micritic, light brown dense shaly partings, tight.

Core #16 5550' - 5600' Cut 50' Recovered 50'

Dolomite very finely crystalline to dense grey-brown, scattered calcite some pyrobitumen trace to poor vuggy porosity basal 21'.

I.O.E. CLARE F-79

(67°10'N-133°00'W)

CORE DESCRIPTION

CORE #17	5707'-5732'	Recovered 25 feet
5707'-5710'02"	Dolomite, grey to buff grey, 85% cryptocrystalline, 15% microcrystalline, calcareous.	
5710'02"-5711'08"	Dolomite, grey, cryptocrystalline, argillaceous, grading into dolomitic mudstone. Vugs filled with calcite. Fractures, stylolites common, with solid bitumen lining.	
5711'08"-5717'08"	Dolomite, grey to buff grey, cryptocrystalline (80%) to micrite, argillaceous, calcareous, 10% vugs. Vugs filled with calcite. Fractures common.	
5717'08"-5718'04"	Dolomite, buff grey, calcareous, vuggy. Vugs (15%) infilled with calcite.	
5718'04"-5718'08"	Dolomite, grey, cryptocrystalline, tight, argillaceous, calcareous, stylolite contact with dolomite above. Large, calcite (white, coarse) filled vug (3 inches) just below stylolite.	
5718'08"-5721'06"	Dolomite, buff, grey, cryptocrystalline, argillaceous, calcareous.	
5721'06"-5724'01"	Dolomite, buff grey, cryptocrystalline (80%) to microcrystalline (10%), 10% vugs, filled with calcite.	
5724'01"-5724'03"	Dolomite, grey, argillaceous, calcareous.	
5724'03"-5726'05"	Dolomite, tan to grey, cryptocrystalline, slightly calcareous, 15% vugs, calcite infilled (less than 5 mm.)	
5726'05"-5732'	Dolomite, grey, cryptocrystalline to micritic, calcareous, vugs.	
CORE #18	5732' - 5782'	Recovered 50 feet
5732'-5732'08"	Dolomite, grey, cryptocrystalline to micritic, argillaceous, calcareous.	

5732'08"-5734'08"	Dolomite, grey, cryptocrystalline to micritic, argillaceous, calcareous.
5732'08"-5734'08"	Dolomite, buff grey, cryptocrystalline to micritic, calcareous, argillaceous laminations.
5734'08"-5738'02"	Dolomite, grey to buff, cryptocrystalline to micritic, calcareous, Stylolites common.
5738'02"-5738'05"	Dolomite, grey, crypto to microcrystalline, fossiliferous
5738'05"-5742'04"	Dolomite, grey, cryptocrystalline to microcrystalline Calcite-filled fractures common.
5742'04"-5747'04"	Dolomite, grey, cryptocrystalline to micrite, argillaceous.
5747'04"-5748'06"	Dolomite, grey, laminated.
5748'06"-5751'02"	Dolomite, grey, cryptocrystalline to finely micritic.
5751'02"-5752'	Dolomite, grey-buff, laminated as above.
5752'-5752'10"	Dolomite, grey, crypto to microcrystalline, calcareous.
5752'10"-5753'06"	Dolomite, grey, laminated, as above..
5753'06"-5754'10"	Dolomite, grey, cryptocrystalline, argillaceous.
5754'10"-5756'	Dolomite, grey, porous, crypto to microcrystalline, Calcite filled fractures common.
5756'-5758'03"	Dolomite, grey, cryptocrystalline, laminated, argillaceous, Calcareous.
5758'03"-5782'	Dolomite, grey, cryptocrystalline, micritic. Argillaceous laminated. Stylolites at 5762'06". Fracturing from 5777 feet down (calcite lined.)

IOE CLARE F-79 67°10'N 133°00'W

Core Description

Core #19	5860' - 5885'	Cut 25 Recovered 25'

Dolomite grey to tan argillaceous in part. Some calcite infilling tight.

Core #20	6782' - 6798'	Cut 16 Recovered 14'

Dolomite, light grey, microcrystalline, argillaceous tight.

Core #21	6798' - 6825'	Cut 27 Recovered 27'

Dolomite as in core #20.

Core #22	8268' - 8286'	Cut 18 Recovered 18'

Dolomite, brown-grey, microcrystalline argillaceous some chert, fair vuggy porosity, essentially no permeability.

-- H. Halbertsma --
Geologist

July 19, 1965.

FORM 21417 (40M-11-56) IMPERIAL OIL LIMITED

WEEKLY CHRONOLOGICAL WELL REPORT

Well IOE CLARE E-79 Location 67° 20' N. 33° 10' W Elev 356.5 Grd. 342.5

~~EXPLX~~ Peace River Division Week Ending April 12, 1965. Report No 1

Date	Total Depth	Progress	Days	REMARKS
April 6/65	58	58	1	Drilling 11" conductor hole. Rig spudded 9:00 P.M. April 5, 1965. Contractor: Peter Bawden Rig #16. Bit #1A Type M4N5 Serial #745482
April 7/65	60	2	2	Waiting on cement. Drilled 11" hole to 60' Picked up 17½" reamer and reamed 11" hole to total depth. Ran 60' of conductor pipe cemented with 70 sacks of Fonda Cement. Plug down at Used Imperial Oil Cementor.
April 8/65	310	250	3	Drilling 11" hole at 8:00 A.M. Bit #2A Type DTJ Serial #29061. Mud Additives: Gel 5300 lbs., Caustic 100# Visc. at 8:00 A.M. 32 MWT 9.0 Totco's 60' 3/4°; 158' ½°; 250° 0° Litho: 60' - 80' shale medium grey, very slightly sandy in bands.
April 9/65	448	138	4	Tripping in to test at 8:00 A.M. Had tight hole condition from 9:30 to 4:00 A.M. Worked pipe and conditioned mud. Mud additives: Gel 5500 lbs., Caustic 200 lbs. Viscosity at8:00 A.M. 71; MWT 9.5 Totco's 275' 1° Litho: 80' - 380' 50% shale, medium to dark grey, finely laminated, soft, trace brown dolomite bands, pyritic in part interbedded with 50% siltstone light to medium grey, thin bedded,argillaceous, sandy in part, dolomitic in part, common bituminous flecks pyritic in part, finely banded, tight. 380' - 390' 40% sandstone, very fine to medium grain, very light grey, slightly dolomitic, no fluorescence. Trace to 5% intergranular porosity 10% dolomite bands, 50% silty shale as above. ....cont'd....

FORM 21417 (40M-11-56)

IMPERIAL OIL LIMITED

WEEKLY CHRONOLOGICAL WELL REPORT

Well IOE CLARE F-79 Location 67°10'N 133°00'W Elev 356.5' 342.5'

~~District~~ Peace River Division Week Ending April 12, 1965 Report No 1

Date	Total Depth	Progress	Days	REMARKS
April 9/65	cont'd			390' - 450' As in interval 80' - 380' Test Interval: 375' - 448'
April 10/65	520'	72'	5	Drilling at 8:00 A.M. Mud Wt. 9; Viscosity 120 Mud Additives: Gel 3400 lbs; Caustic 50 lbs. Totco: 475' 1° DST #1 375' - 448' Conventional 5-60-60-90 Recovered 10' more or less of water cut mud. Pressures indescernable on chart I.H.P. 174, F.H.P. 174; Temp. 53° Pipe became stuck in hole at 7:15 P.M. Worked and jarred pipe, came free at 6:45 A.M.
April 11/65	817'	297'	6	Drilling at 8:00 A.M. Mud Wt. 9.6; Visc. 130 Mud Additives: Gel 1500 lbs.; Caustic 100 lbs. Totco: 785' 3/4°; Litho: 450' - 850' Interbedded siltstone, sandy and shale as above. No porosity. Bit #3 DTJ 29086 made 33' in 17 hours. Wt. 12,000
April 12/65	850'	33'	7	Waiting on cement. Set 28 joints (820.29') of Mannerman N80 8 5/8" surface casing (28 lb/ft.) Cemented with 350 sacks cement (2% $CaCl_2$) Plug down at 9:00 P.M. Initial mud 9.5 lbs. 130 sec. NOTE: Will core 851; - 870'

-- H. F. Sproule --
Geologist

FORM 21417 (40M-11-56)

IMPERIAL OIL LIMITED

WEEKLY CHRONOLOGICAL WELL REPORT

Well IOE CLARE F-79 Location 57°10'N133°00'W Elev 350.5' K.B. 342.5' Grd.

~~District~~ Peace River Division Week Ending April 19, 1965. Report No 2

Date	Total Depth	Progress	Days	REMARKS
April 13/65	850	0	8	Waiting on cement.
April 14/65	866	16	9	Coring with water. Diamond Core #1 851' - 871' Rec. 20'/20' Drilled 850' - 851' Bit #4 YT-3 7 7/8" E 15196 Drilled out shoe and made one foot. Bit #5 Diamond 6 1/8 EC 6386 New condition running in hole - made 20' cond. good. Coring with water. Bit #6
April 15/65	1070	204	10	Drilling Mud: 8.8 43 W.L. 9.2; F.C. 2/32; pH 12.0 Bit #7 M4LJ - 7 7/8 Ser. 747341 in at 909' DIAMOND Core #1 851' - 871' Rec. 20/20

Mud (Water)

Time	Wt.	Visc.
7:00 A.M.	8.5	28
9:00 A.M.	8.5	34
1:00 P.M.	8.5	35
3:00 P.M.	8.8	46
5:00 P.M.	8.8	38

Mud

Time	Wt.	Visc.	W.L.	F.C.	pH
1:00 A.M.	8.8	53	8.2	2/32	12.5
4:00 A.M.	8.8	48	9.4	2/32	12.5
5:00 A.M.	8.8	48	9.4	2/32	12.0
8:00 A.M.	8.8	43	9.2	2/32	12.0

Litho:

851' - 863.5'

95% shale, medium dark grey, thin sandy silt laminae.

863.5' - 866.0'

Siltstone, light grey very argillaceous, slightly sandy, moderately hard,; minor brown dolomite laminae; 1' zone massive siltstone 863' - 864'; sandy siltstone 60%, Shale 40%.

866' - 871'

Shale, medium dark grey, as in interval 851.0' - 863.5'

Drilled Lithology

871' - 1070'

Interbedded sand, siltstone and shale. Sandstone 30%, Siltstone 20%, Shale 50%

Tight.

Muc Additives: April 14, 1965.
5000 lbs. Gel; 200 lbs. Caustic; 400 lbs. pelt and 200 lbs. cellex.

cont'd

FORM 21417 (40M-11-56) IMPERIAL OIL LIMITED

WEEKLY CHRONOLOGICAL WELL REPORT

Well IOE CLARK F-79 Location 57° 10'N 133° 00'W Elev 356.5' K.B. 342.5' Grd.

~~DISTRICT~~ Peace River Division Week Ending April 19, 1965 Report No 2

Date	Total Depth	Progress	Days	REMARKS
April 16/65	1416'	346'	11	Drilling 7 7/8" hole at 8:00 A.M. Apr.16/65. Bit #7 M4LJ, 7 7/8" 747341 in at 909' Bit #8 M4LJ, 7 8/8" 744735 in at 1167' Worked stuck pipe 7:30 - 10:30 P.M. Mud Additives: Gel 3300 lbs.; Caustic 50 lbs; Peltex 100 lbs. Viscosity at 8:00 A.M. April 16, 70 Mud weight at 8:00 A.M. Apr. 16, 9.3 Totco's 1085' 1½°; 1160' 1½°; 1270' 1 1/8°; 1360' 1 1/8° LITHOLOGY 70% shale medium gray and medium gray brown, pyritic. 30% sandstone, quartzose, slightly argillaceous, dolomitic, very silty, moderate oil stain. Tight.
April 17/65	1520'	104'	12	Testing at 8:00 A.M. Tight hole condition from 3:00 P.M. - 8:50 P. Cored 1506' - 1520'; Recovery 14/14' Began testing. Bit #8 M4LJ, 7 7/8" 744735 in at 1167' Bit #9 Diamond 7 13/16" B-42-32 in at 1506' Mud Additives: Gel 1000 lbs.; Caustic 20 lbs.; Peltex 100 lbs. Totco: 1500 - 1½° Core #2 1500' - 1520' Rec. 14/14' 100% shale, medium dark grey, slightly silty D.S.T. #2, 1402' - 1520' Rec. 12' slightly water cut, slightly oil cut (dairy), mud. Times: 5-60-15-120 IH 692; I.S.I. 55; IF 55; FF 62 (15 mins.) F.S.I. 100; F.H. 692; B.H.T. 77°F Built lemon gold fluorescence over 70% mud surface. Mud: Wt. 9.0; Visc. 41; pH 11° Mud Additives: Gel 900 lbs.; Peltex 250 lbs. Caustic 50 lbs.

cont'd

IMPERIAL OIL LIMITED

WEEKLY CHRONOLOGICAL WELL REPORT

Well IOE CLARE F-79 Location F-79 67°10'N 133° 00'W Elev 356.5' K.B. 342.5' Grd.

District Peace River Division Week Ending April 19, 1965 Report No 2

Date	Total Depth	Progress	Days	REMARKS
cont'd	1520'	104	12	Bit #10 Serial E15019 7 7/8" YTIA in at 1520' out at 1825' Made 305' in 14 hours Totco: 1825' 1½°

Mud Record April 17/5 8:00 A.M. - 4:00 P.M.
None (Testing)

Mud Record April 17/5 4:00 P.M. - 12:00 P.M.

	1st Hr.	3rd Hr.	5th Hr.	7th Hr.
Mud Weight	9.6	9.6	9.6	9.6
Viscosity	93	98	128	135
W.L. -C.C.	6	6	6	6
Filt. Cr.	1/32	1/32	1/32	1/32
pH	11.5	11.5	11.5	11.5

Mud Record April 18/5 12:00 P.M. - 8:00 A.M.

	1st.Hr.	3rd Hr.	5th Hr.	7th Hr.
Mud Weight	9.8	9.8	9.8	
Viscosity	135	170	118	
W.L. C.C.	-	-	-	-
Filt. Cr.	-	-	-	-
pH	11.5°	11°	11°	

Date	Total Depth	Progress	Days	REMARKS
Apr. 18	1825'	305'	13	
Apr. 19	2175'	350	14	Drilling, then circulating to core Diamond Core #3 Bit #11 YTIA 7 7/8" E35415 in at 1825', out at 2175' Made 350' in 19½ hours.

April 18/5 Mud

Time	Wt.	Visc.	WL	F/C	pH
2 P.M.	9.9	108	6.0	432	11.0
5 P.M.	10.0	115	6.8	432	11.5
7 P.M.	10.0	113	6.8	432	11.0
10 P.M.	10.0	117	8.8	432	11.0

April 19/5 Mud

1 A.M.	9.9	135	-	-	10.5
4 A.M.	9.9	165	-	-	10.5
6 A.M.	9.9	125	-	-	10.5
8 A.M.	9.9	123	6.0	1/32	10.5

Added Peltex 150 lbs.; 1500 lbs. Gel.

-- H.F. Sproule --
Geologist

IMPERIAL OIL LIMITED

WEEKLY CHRONOLOGICAL WELL REPORT

Well IOE CLARE F-79 67°10' 133° 00' Location F-79 67°10'N 133° 00'W Elev 356.5 K.B.

~~District~~ Peace River Division Week Ending April 26, 1965 Report No 3

Date	Total Depth	Progress	Days	REMARKS
Apr.20	2340'	165	15	Drilling at 8:00 A.M. Core #3 2175' - 2190' Rec. 15/15' Bits: Diamond EC4502, 7 13/16, made 15' in 3½ hrs. (2175' - 2190') Bit #12 YTL, 7 7/8" E44218 in at 2190' Mud Record April 19, 1965. Time Wt. Visc. W.L. F/C pH 2-3P.M. 10.0 125 8.8 2/32 10.5 4-5P.M. 10.0 100 8.8 1/32 10.5 6-7P.M. T R I P 8-9P.M. 10.0 95 8.9 1/32 10.5 10-11" 10.0 90 9.0 1/32 10.5 Mud Record April 20, 1965. 12-1P.M. 10.0 92 9.0 2/32 10.5 2-3P.M. 10.0 104 8.2 2/32 10.5 4-5P.M. 10.0 115 8.2 2/32 10.5 6-7P.M. 10.0 120 8.4 2/32 10.5 Totco: 2155' 1½°
Apr.21	2620'	280	16	Drilling at 8:00 A.M. Bit #6 YTL, 7 7/8" E44218 in at 2190' Made 220' in 15 hours. Bit #7 YTIA 7 7/8" E 35413 in at 2410' Mud at 8:00 A.M. Wt. 10; Visc. 105; W.L. 7.8; Filt. Ck. 2/32 Mud Record for April 20, 1965 Time Wt. Visc. W.L. F/C pH 8-9 A.M. 10.2 105 8.4 2/32 10 10-11 10.1 95 8.4 2/32 10 12-1 10.1 105 8.4 2/32/ 10 2-3 - - - - - 4-5 T R I P 6-7 10.1 110 8.4 2/32 10 8-9 10.2 130 8.4 2/32 10 10-11 10.3 125 8.4 2/32 10.5 12-1 10.3 120 8.0 2/32 10.5 2-3 10.3 98 8.4 2/32 10.5 4-5 10.3 148 7.6 2/32 11.0 6-7 10.0 105 7.8 2/32 - Additives: Gel 1800 lbs. Caustic 25 lbs. Totco: 2390' 1° cont'd

FORM 21417 (40M-1T-56) IMPERIAL OIL LIMITED

WEEKLY CHRONOLOGICAL WELL REPORT

Well IOE CLARE F-79 Location 57° 10'N 133° 00'W Elev 356.5' K.B. 342.5'

~~District~~ Peace River Division Week Ending April 28, 1965 Report No 3

Date	Total Depth	Progress	Days	REMARKS
April 22	cont'd			LITHOLOGY Drilling in coarse siltstone and dark grey shale.
April 22/65	2670'	50	17	8:00 A.M. Drilling with Bit #5 SLJ 7 7/8" E44131 (in at 2644') Bit #7 YTIA 7 7/8" E35413 made 24 3/4' in 15½ hours (in at 2410') DST 2644' Mud Record April 21, 1965 (8:00 A.M. - 4:00 P.M.)

Time	Wt.	Visc.	W.L.	F.C.	pH
8-9	10.2	103	10.0	2/32	10.5
10-11	10.2	118	8.6	2/32	10.5
12-1	10.2	160			
2-3	-	-	-	-	-

Period 4:00 P.M. - 12:00 P.M. April 21/5
12:00 P.M. - 8:00 A.M. April 22/5
No mud added.
Mud Additives: Gel 1000 lbs.; caustic 50 lbs. Peltex 150 lbs., cellex 50 lbs.

Tetco: 2620 1½°

DST RESULTS
ISI 60 min. Flow 60 mins. FSI 60 mins.
IHP 1482; ISIP 109; IFP 109; FFP 161, FSIP 174, FHP 1462
Interval Tested: 2624' - 2644'
Recovered 5' mud; BHT 82° F

LITHOLOGY
Drilling in siltstone and grey carbonaceous shales. Trace dolomite.

April 23/65	2965'	295'	18	Drilling at 8:00 A.M. 2965' Bit #9 YTL 7 7/8" E35194 in at 2735' Bit #8 SIS 7 7/8" E44131 in at 2644', made 321' in 8 3/4 hours. Mud at 8:00 A.M. April 23, 1965. Wt. 10.3; Visc. 146; W.L. 7.2; F.C. 2/32; pH 10.5.

cont'd

FORM 21417 (40M-11-56) IMPERIAL OIL LIMITED

WEEKLY CHRONOLOGICAL WELL REPORT

Well IOE CLARE F-79 Location F-79 67°10' 133° 00' W Elev 356.5 K.B. 342.5 Grd.

~~District~~ Peace River Division Week Ending April 26, 1965 Report No 3

Date	Total Depth	Progress	Days	REMARKS
Apr.23	cont'd			Mud Record for April 22, 1965

Time	Wt.	Visc.	W.L.	F.C.	pH
8-9	10.2	175	6.2	2/32	10.5
10-11	10.2	210	6.2	2/32	10.5
12-1	10.3	165	6.0	2/32	10.5
2-3	10.3	165	6.0	2/32	10.5

Mud Additives:
Gel 500 lbs.; Peltex 250 lbs. ; caustic 40 lbs.

4-5	T	R	I	P	
6-7	10.3	1420	6.0	2/32	10.5
8-9	10.3	120	6.0	2/32	10.5
10-11	10.3	110	6.0	2/32	10.5

Additives: Gel 400 lbs; Peltex 50 lbs; caustic 15 lbs.

12-1	10.3	105	6.3	2/32	10.5
2-3	10.3	125	6.6	2/32	10.5
4-5	10.3	95	7.0	2/32	10.5
6-7	10.3	148	7.2	2/32	10.5

Additives: Gel 800 lbs; Cellex 50 lbs; Caustic 10; Peltex 25

Totco: 2694' 1¼°
Lithology:
Drilling in siltstone and carbonaceous shale with some fine sand stringers.

Apr.24	3145'	240'	19	Drilling at 8:00 A.M. 3145' Bit #10, YT3, 7 7/8" E15423, in at 2975' Bit #2B 7 13/16" Ec4502 in at 2965; out at 2975' made 10' Bit #9, YTL 7 7/8" E35194 in at 2736', out at 2965' made 224' in 17 hours. 8:00 A.M. Mud Wt. 10.3; Visc. 130; W.L. 5.0; F.C. 2/32 pH 10.5

cont'd

FORM 21417 (40M-11-56)

IMPERIAL OIL LIMITED

WEEKLY CHRONOLOGICAL WELL REPORT

Well IOE CLARE F-79 Location F-79 67° 10'N 133° 00' Elev 356.5' K.B. 342.5' Grd.

~~District~~ Peace River Division Week Ending April 26, 1965 Report No 3

Date	Total Depth	Progress	Days	REMARKS
Apr.24	cont'd			Mud Record for Previous 24 Hours

Time	Wt.	Visc.	W.L.	F.C.	pH
8-9	10.3	200	6.6	2/32	10.5
10-11	10.3	150	6.6	2/32	10.5
12-1	10.3	140	5.6	2/32	10.6
2-3	-	-	-	-	-

Mud Additives: Peltex 225; Caustic 60

4-5	T	R	I	P	
6-7	10.3	115	6.2	2/32	10.5
8-9	T	R	I	P	
10-11	10.3	120	6.2	2/32	10.5
12-1	10.0	122	6.4	2/32	10.5
2-3	10.3	125	6.4	2/32	10.5
4-5	10.3	120	6.0	2/32	10.5
6-7	10.5	130	5.0	2/32	10.5

Totco: 3125' 1 1/8°

1000' mud filtrate results
Wt. 10.3; Visc. 135; Filtrate 5; pH 10.5; C.L. 400

LITHOLOGY
Interbedded shale and siltstone, sandstone interbeds from 3020' down, sand is very fine grained, silty, partly sand slightly oil stained, no porosity observed.

Apr.25 | 3278' | 133' | 20

Drilling at 8:00 A.M.
3278' and drilling with Bit #12, OSCIG 7 7/8" 49434 in at 3215
Bit #11, M4LJ 7 7/8" 696713 in at 3155, out at 3213, made 60' in 8½ hours.
Bit #10, YT3, 7 7/8" E15423 in at 2975' out at 3155'. Made 180' in 10¾ hours.

Mud at 8:00 A.M. April 25, 1965
Wt. 10.5; Visc. 125; W.L. 6; F.C. 2/32; pH 10.5

Mud Record of Previous 24 hours.

Time	Wt.	Visc.	W.L.	F.C.	pH
8-9	10.5	117	5	2/32	10.5
10-11	-	-	-	-	-
12-1	-	-	-	-	-
2-3	-	-	-	-	-

cont'd

FORM 21417 (40M-11-56) IMPERIAL OIL LIMITED

WEEKLY CHRONOLOGICAL WELL REPORT

Well IOE CLARE F-79 Location F-79 67°10'N 133° 00'W Elev 356.5' K.B. 342.5' Grd.

~~District~~ Peace River Division Week Ending April 26, 1965 Report No 3

Date	Total Depth	Progress	Days	REMARKS
Apr.25	cont'd			Mud Record of Previous 24 hours

Time	Wt.	Visc.	W.L.	F.C.	pH
4-5	10.4	120	5.2	2/32	10.5
6-7	10.6	155	6.4	2/32	10.5
8-9	10.4	140	6.2	2/32	10.5
10-11	10.4	135	6.0	2/32	10.5

Mud Additives: Gel 300 lbs., peltex 200 lbs./ Caustic 40 lbs.

12-1	T	R	I	P	
2-3	T	R	I	P	
4-5	10.5	100	6	2/32	10.5
6-7	10.5	125	6	2/32	10.5

Mud Additives: Gel 400lbs. Caustic 30 lbs.; Peltex 100 lbs.

LITHOLOGY

Thinly interbedded to interlaminated light grey sandstone very fine grained silty in part, some calcite cement, some feldspar, dark rock fragments interbedded with siltstone, medium to dark grey shale with some plant fragments. Trace oil, staining in siltstone but no visible porosity.

Apr.26 | 3464' | 186' | 21

At 8:00 A.M. Depth and Activity
3464' and drilling with Bit #13 7 7/8", OSCIG, 50773 in at 3336.
Bit #12, 7 7/8" OSCIG 49434 in at 3215' out at 3330' Made 121' in 11 3/4 hours.

Mud at 8:00 A.M.
Wt. 106; Visc. 90; W.L. 6.2; F.C. 2/32 Ph 10.5

Mud Record of Previous 24 hours

Time	Wt.	Visc.	W.L.	F.C.	pH
8-9	10.6	115	7-4	2/32	10.5
10-11	10.6	115	7.4	2/32	10.5
12-1	10.6	120	7.0	2/32	10.5

Mud Additives: 600

cont'd

FORM 21417 (40M-11-56) IMPERIAL OIL LIMITED

WEEKLY CHRONOLOGICAL WELL REPORT

Well IOE CLARE F-79 Location F-79 67°10'N 133° 00'W Elev 356.5' K.B. 342.5' Grd.

District _____ Week Ending _____ Report No _____

Date	Total Depth	Progress	Days	REMARKS
Apr.26	cont'd			

Time	Wt.	Visc.	W.L.	F.C.	pH
4-5	T	R	I	P	
6-7	-	-	-	-	-
8-9	10.6	118	5.6	2/32	10.5
10-11	-	-	-	-	-

Carbonox 50 lbs.
Caustic 25 lbs.

4-5	10.6	92	6.2	2/32	10.5
6-7	10.6	77	6.2	2/32	10.5
8-9	10.6	80	6.2	2/32	10.5
10-11	10.6	90	6.2	2/32	10.5

Mud Additive: Gel 600 lbs.

Totco: 3370' 1 3/4°

LITHOLOGY

Interbedded and interlaminated siltstone and medium to dark grey shale. Very fine grained sandstone stringers from 3370'-3400'. Sandstone is very silty, friable.

H. Halbertsma
Geologist

FORM 21417 (40M-11-56) IMPERIAL OIL LIMITED

WEEKLY CHRONOLOGICAL WELL REPORT

Well IOE CLARE F-79 Location F-79 67°10'N Elev 356.2'
133° 00'W 342.5'

District Peace River Division Week Ending May 3, 1965 Report No 4

Date	Total Depth	Progress	Days	REMARKS
Apr.27	3633'	169	22	Tripping at 3633' at 8:00 A.M. Bit #13 OSCIG 7 7/8, 50773 in at 3336' out at 3525 Bit #14, OSCIG 7 7/8, 50839, in at 3525' out at 3633, drill (nozzle plugged by piece of hose, bit lacked "grease") Mud at 8:00 A.M. April 27, 1965. Wt. 10.4; Visc. 70; W.L. 5.6; F.L. 2/32; pH 10.2 Mud Record of 24 hours period Time 8-9 Wt. 10.6 Visc.100 W.L. 6.2 F.C. 2/32 10-11 10.6 85 6.2 2/32 12-1 10.6 95 6.2 2/32 2-3 - - - - pH 10.2 pH 10.2 pH 10.2 Additives: Carbonox 50 Gel 400; Caustic 25 Mud Record of 24 hours period Time 4-5 Wt. - Visc. - W.L. - F.L. - 6-7 - - - - 8-9 10.6 7.8 4.5 2/32 10-11 10.5 6.2 5.3 2/32 pH 10.2 pH 10.2 Additives: Gel 1000 Time 12-1 10.4 74 5.6 2/32 10.2 2-3 10.4 65 5.6 2/32 10.2 4-5 10.4 65 5.6 2/32 10.2 6-7 10.4 70 5.6 2/32 10.2 Additives: Gel 600 lbs. LITHOLOGY Interbedded dark to medium grey slightly silty shale and siltstone. Some very fine grained gray wacke stringers. No porosty observed. cont'd

FORM 21417 (40M-11-56)

IMPERIAL OIL LIMITED

WEEKLY CHRONOLOGICAL WELL REPORT

Well IOE CLARE F-79 Location F-79 67° 10'N. 133° 00'W. Elev 356.2' 342.5'

District ..... Week Ending ..... Report No .....

Date	Total Depth	Progress	Days	REMARKS
Apr. 28	3801	168	23	Tripping at 8:00 AM 3801' Bit #15, OWV 7 7/8, 50202, in at 3623' out 3750' Drilled 117' Bit #16 NHL T 7 7/8, 791330, in at 3750 out 3801, Drilled 51 feet. Mud at 8:00 A.M. April 28 Wt. 10.2, Visc. 74, W.L. 6; F.L. 2/32 pH 10.2 Mud Record of 24 hours period

Time						
8-9	10.5	60				10.2
10-11	10.5	65	5.8	2/32		10.2
12-1	10.5	65	5.6	2/32		10.2
2-3	10.4	60	5.6	2/32		10.2

Additives: Gel 400 lbs.; Carbonox 50 lbs. Caustic 20 lbs.

4-5	10.3	62	6.4	2/32		10.2
6-7	10.3	61	6.2	2/32		10.2
8-9	--	--	--	--		--
10-11	--	--	--	--		--

Additives: Gel 1400 lbs.

12-1	--	--	--	--		--
2-3	9.9	78	6.	2/32		10.2
4-5	9.9	67	6.	2/32		10.2
6-7	10.2	70	6.	2/32		10.2

Additives: Gel 900 lbs.; Caustic 20 lbs. Carbonox 50 lbs.

Lithology:

Dark blocky shales 3660'.
Some coal interbeds at 3680'.

FORM 2-417 (40M-11-56) IMPERIAL OIL LIMITED

WEEKLY CHRONOLOGICAL WELL REPORT

Well No. IOE CLARE F-79 Location 57°10'N 33°30'W Elev 356.2 / 342.5

Field Peace River Division Week Ending May 3, 1965 Report No 4

Date	Total Depth	Progress	Days	REMARKS
April 29/5	3922'	121	24	Circulating at 8:00 A.M. 3922' Bit #17, YHL 7 7/8, E4-055, in 3801' out 3844' Bit #18, OWV 7 7/8, 51346, in 3856' out 3922' Core #3, Bit #2B, Cristensen Diamond 7 13/16" #C5402, Rec. 12/12

Mud at 8:00 A.M. April 29, 1965
Wt. 10.2; Visc. 75; W.L. 5.2; F.C. 2/32; pH 10.2

Mud Record of 24 hours period

8-9					
10-11	10.2	84	5.8	2/32	10.2
12-1	10.2	75	6	2/32	10.2
2-3	10.2	74	6	2/32	10.2

Additives: None

4-5	-	-	-	-	-
6-7	-	-	-	-	-
8-9	10.2	68	6.2	2/32	10.2

Added Gel 300 lbs.

12-1	-	-	-	-	-
2-3	10.2	70	5.4	2/32	10.2
4-5	10.2	80	5.4	2/32	10.2
6-7	10.2	77	5.4	2/32	10.2

Additives: Gel 300 lbs.; Caustic 20 lbs.
Carbonox 5 bbls.

LITHOLOGY

Dark grey to greenish brown grey. Shale hard, very siliceous from 3842' down. Pyrite common.

FORM 21417 (40M-11-58)

IMPERIAL OIL LIMITED

WEEKLY CHRONOLOGICAL WELL REPORT

Well IOE CLARE F-79 Location 67°10'N 133°00'W Elev 356.2' / 342.5'

~~XXXXXX~~ Peace River Division Week Ending May 3, 1965 Report No 4

Date	Total Depth	Progress	Days	REMARKS
April 30/5	3978'	56	25	Coring at 8:00 A.M. 3978' Bit #2B, Crist. Diamond 7 13/16, EC5402, in at 3922' out at 3951' cut 29/29

Mud at 8:00 A.M. April 30, 1965.
Wt. 10.2; Visc. 76; W.L. 5.6; F.C. 2/32; pH 10.2

Mud Record of 24 hours period

8-9	10.3	76	5.5	2/32	10.2
10-11	10.2	77	5.5	2/32	10.2
12-1	10.2	75	5.4	2/32	10.2
2-3	10.2	75	5.2	2/32	10.0

Additives: Carbonox 50 lbs.; Caustic 20 lbs.

4-5	10.3	75	6.3	2/32	10.2
6-7	-	-	-	-	-
8-9	-	-	-	-	-
10-11	-	-	-	-	-

Additives: None

12-1	10.1	50	5.4	2/32	10.2
2-3	10.2	65	5.4	2/32	10.2
4-5	10.2	80	5.4	2/32	10.2
6-7	10.3	77	5.4	2/32	10.2

Additives: Caustic 20 lbs.; Carbonox 50 lbs. Gel 800 lbs.

LITHOLOGY
Hume 3910'
Core 3922' - 3951'

3922' - 3923'	Dark grey brown to green micritic skeletal limestone
3923' - 3924'	Limestone, dark brown grey, argillaceous.
3924' - 3929'	Limestone and shale, greenish grey

....cont'd....

FORM 21417 (40M-11-56)

IMPERIAL OIL LIMITED

WEEKLY CHRONOLOGICAL WELL REPORT

Well IOE CLARE F-79 Location 67°10'N 133°00'W Elev 356.2 / 342.5

~~XXXXXX~~ Peace River Division Week Ending May 3, 1965 Report No 4

Date	Total Depth	Progress	Days	REMARKS
April 30/65	cont'd			LITHOLOGY 3929' - 3951' Mudstone, green - brownish grey calcareous, mottled,
May 1	4034	56'	26	Coring at 8:00 A.M. at 4034' Core #7, out at 4001; Core #8 in at 4032' Recovery Core #7 50' cut of 50' Bit (Rotary) M4N #839396 in 4001, out 4032' Drilled 31' Mud at 8:00 A.M. May 1, 1965 Wt. 10.2; Visc. 76'; W.L. 5.2; F.C. 2/32; pH 10.2 Mud over Period of 24 hours

Time	Wt.	Visc.	W.L.	F.C.	pH
8-9	10.1	73	5.4	2/32	10.2
10-11	10.3	75	5.4	2/32	10.2
12-1	10.2	73	5.6	2/32	10.7
2-3	-	-	-	-	-

NO ADDITIVES

4-5	-	-	-	-	-
6-7	-	-	-	-	-
8-9	-	-	-	-	-
10-11	10.2	82	5.0	2/32	8.5
12-1	10.1	53	-	-	-
2-3	10.1	59	-	-	-
4-5	-	-	-	-	-
6-7	-	-	-	-	-

May 1/65 - -

Additives: Gel 1100 lbs.,
Carbonox 50 lbs.
Caustic 25 lbs.

LITHOLOGY

3951; - 3956' Mottled calcareous shale, grey green

3956' - 3961' Shale, as above with interbedd. argillaceous limestone.

3961' - 3963' Shale, mottled calcareous with few fossil beds.

3963' - 3966' Shale, grey, compact, calcareou

FORM 2147 (40M-11-56)

IMPERIAL OIL LIMITED

WEEKLY CHRONOLOGICAL WELL REPORT

Well IOE CLARE F-79 Location 67°10'N 133°00'W Elev 356.2' / 342.5'

~~XXXXXX~~ Peace River Division Week Ending May 3, 1965 Report No 4

Date	Total Depth	Progress	Days	REMARKS
May 1/65	cont'd			**LITHOLOGY** 3966' - 3971' Shale, grey 3971' - 3976' Shale, mottled, fossiliferous 3976' - 3981' Shale, compact, calcareous 3981' - 4001' Shale, grey, compact, calcareo
May 2	4110'	76	28	Coring at 8:00 A.M. at 4110' Cutting Core #9 in 4103' Bit #2B Diamond CR Size 7 13/16" #EC4502 Drilling Bit #19 RR 7 7/8" type M4N, Serial #839396 in 4052; out 4103'; Drilled 82' Coring Core #8 Diamond 7 13/16, CR ##C4502 in 4032, out 4052; mud at 8:00 A.M. May 2 Wt. 10.1; Visc. 75; W.L. 5.0; F.C. 2/32; pH 8.0

Mud 24 hours Record

Time	Wt.	Visc.	W.L.	F.C.	pH
8-9	10.2	76	5.2	2/32	10.3
10-11	10.2	75	-	2/32	10.3
12-1	-	-	-	-	-
2-3	-	-	-	-	-
4-5	-	-	-	-	-
6-7	-	-	-	-	-
8-9	10.2	70	4.8	2/32	8.5
10-11	10.2	75	5.0	2/32	9.0

Additives: None

12-1	10.1	75	5.0	2/32	8.0
2-3	-	-	-	-	-
4-5	-	-	-	-	-
6-7	-	-	-	-	-

Additives: Caustic 25 lbs.; Peltex 25 lbs.

LITHOLOGY

Core #8

4032' - 4039' Shale, greenish grey, calcareo interbedded with limestone, grey argillaceous, fossiliferou

....cont'd....

FORM 2141-7 (40M-11-56) IMPERIAL OIL LIMITED

WEEKLY CHRONOLOGICAL WELL REPORT

Well IOE CLARE F-79 Location 67°10'N 133°00'W Elev 356.5 KB

XXXXXX Peace River Division Week Ending May 3, 1965 Report No 4

Date	Total Depth	Progress	Days	REMARKS
May 2/65	cont'd			**LITHOLOGY** cont'd 4039' - 4042' Shale, grey, fossiliferous in part. 4042' - 4044' Shale, grey, calcareous, mottled. 4044' - 4047' Limestone, grey fossiliferous interbedded intershale grey 4047' - 4052' Shale, dark to grey, mottled.
May 3/65	4197'	87'	29	Drilling at 8:00 A.M. 4197' Core #10, 2B Diamond 7 13/16", #EC4502, in at 4103' out 4153'. Recovery 50'

Mud at 8:00 A.M. May 3, 1965.
Wt. 10.4; Visc. 150; W.L. 5.2; F.C. 2/32; pH 2.2
Additives: Caustic 100 lbs.

Mud for 24 Hour Period

Time	Wt.	Visc.	W.L.	F. C.	pH
8-9	10.1	75	5.0	2/32	8.0
10-11	-	-	--	-	-
12-1	-	-	-	-	-
2-3	-	-	-	-	-

Additives: Caustic 50 lbs.; Peltex 28

4-5	10.2	69	5.6	2/32	8.0
6-7	-	-	-	-	-
8-9	-	-	-	-	-
10-11	10.2	74	5.0	2/32	8.5

Additives: None

12-1	10.2	75	5.4	2/32	10.2
2-3	10.2	78	5.4	2/32	10.2
4-5	10.2	77	5.4	2/32	10.2
6-7	10.2	100	5.4	2/32	10.2

Additives: Peltex 30 lbs.; Caustic 20 lbs.; Gel 300 lbs.

FORM 21417 (40M-11-56) IMPERIAL OIL LIMITED

WEEKLY CHRONOLOGICAL WELL REPORT

Well IOE CLARE F-79 Location 67°10'N 133°00'W Elev 356.2' KB

~~XXXXm~~ Peace River Division Week Ending May 3, 1965 Report No 4

Date	Total Depth	Progress	Days	REMARKS
May 3/65	cont'd			**LITHOLOGY** Core #9 4103' - 4153' 4103' - 4119' Limestone brown grey, micritic mottled interbedded with shale, grey, calcareous, trace bituminous. 4119' - 4153' Limestone, grey brown, slightly micritic, mottled with black bitumen coating in stylolites. Some irregular shale interbeds -- H. Halbertsma -- Geologist.

FORM 21417 (40M-11-56) IMPERIAL OIL LIMITED

WEEKLY CHRONOLOGICAL WELL REPORT

Well IOE CLARE F-79 Location 67°10'N 133°00'W Elev 356.5'

~~XXXXX~~ Peace River Division Week Ending May 10, 1965 Report No 5

Date	Total Depth	Progress	Days	REMARKS
May 4, 1965	4253'	56	29	Pulling core #11 at 8:00 A.M. 4253' Core #10 2B Diamond 7 13/16" #EC4502, in 4153, out 4203. Recovered 45/50 feet. Core #11 2B Diamond 7 13/16, #EC4502 in 4203, out 4253'. Recovered 50/50 feet. Mud Record at 8:00 A.M. Wt. 10.1; Visc. 63; W.L. 5.6; pH 10.5 Mud Record 24 hours May 3, 1965.

Time	Wt.	Visc.	W.L.	F.C.	pH
8-9	10.4	145	5.2	2/32	7.2
10-11	10.4	150	-	-	-
12-1	-	-	-	-	-
2-3	-	-	-	-	-

Additives: Caustic 100 lbs.

4-5	10.1	99	5.2	2/32	10.5
6-7	10.1	77	5.2	2/32	10.5
8-9	10.1	65	5.2	2/32	10.5
10-11	10.1	60	5.2	2/32	10.5

Additives: Gel 500 lbs.

12-1	10.1	63	5.4	2/32	10.5
2-3	10 .1	65	5.4	2/32	10.5
4-5	-	-	-	-	-
6-7	-	-	-	-	-

Additives: Gel 500 lbs; Caustic 25 lbs.
Caustic 25 lbs.; Peltex 30 lbs.

LITHOLOGY: Core #10 4153' - 4203'

4153' - 4188' Limestone, brown, micritic, argillaceous, dense, trace skeltal. stylolitic, some solid bitumen infilling.

4188' - 4193' Interbedded Limestone and shale, dark grey.

4193' - 4198' Shale, dark grey, partly calcareous.

4198' - 4203' Interbedded shale, dark grey and limestone, micritic argillaceous.

....cont'd....

IMPERIAL OIL LIMITED

WEEKLY CHRONOLOGICAL WELL REPORT

Well IOE CLARE F-79 Location 67°10'N 133°00'W Elev 356.5

~~XXXXXX~~ Peace River Division Week Ending May 10, 1965. Report No 5

Date	Total Depth	Progress	Days	REMARKS
May 4/65	cont'd			LITHOLOGY Core #11 4203' - 4253' 4203' - 4238' Interbedded limestone, brown micritic argillaceous and shale, dark grey. Limestone interbeds. 4238' - 4253' Limestone, brown, pellet micrite cemented, stylolitic, fossiliferous in part.
May 5/65	4303'		3?	Reaming Rathole at 8:00 A.M. Core #11 4253' - 4303' Recovered 50'50' Mud at 8:00 A.M. Visc. 67; Wt. 10.1; W.L. 5.6; pH 10.5 Mud for Past 24 Hours. Time Visc. Wt. W.L. pH 3:00 55 10.0 5.6 9.5 5: P.M. 56 10.0 5.6 10.5 7:00 70 10.0 5.6 10.5 10:00 70 10.0 5.6 10.5 Additives: Caustic 50 lbs.; Peltex 100 lbs. Gel 1500 lbs.

FORM 21417 (40M-11-56) IMPERIAL OIL LIMITED

WEEKLY CHRONOLOGICAL WELL REPORT

Well IOE CLARE F-79 Location 67°10'N 133°00'W Elev 356.5 K.B.

~~XXXXXX~~ Peace River Division Week Ending May 10, 1965 Report No 5

Date	Total Depth	Progress	Days	REMARKS
May 6	4400'	97	31	Drilling 7 7/8" hole at 8:00 A.M. Bit #23 M4LJ #749460 drilled 4303' - 4400' Mud at 8:00 A.M. Visc. 65; Wt. 10.1; W.L. 6.5; pH 10.5 Mud Additives: Peltex 100 lbs. Caustic 50 lbs. Mud in last 24 hours Time / Visc. / Wt. / W.L. / pH 7 P.M. / 73 / 10.0 / 6.0 / 10.5 9 P.M. / 70 / 10.0 / 6.0 / 10.5 11 P.M. / 72 / 10.0 / 5.8 / 10.5 1 A.M. / 74 / 10.1 / 6.0 / 10.5 3 A.M. / 70 / 10.1 / 6.2 / 10.5 5 A.M. / 67 / 10.1 / 6.3 / 10.5 7 A.M. / 65 / 10.1 / 6.5 / 10.5 LITHOLOGY: 4303' - 4400 Limestone, micritic brusts of cemented pellet, buff-pale brown, trace chalky, dense, tight. Temp. low overnight #29°F Noon +70°F
May 7	4485'	85	32	Tripping in to cut core #14 Bit #23 drilled 4400' - 4435' Total 132' in 16½ hours Mud at 8:00 A.M. Visc. 75; Wt. 10.1; W.L. 6.2; pH 10.5 Additives: Caustic 75 lbs. Peltex 500 lbs. Gel 1000 lbs. Core #13 4435' - 4485' Rec. 50/50' Diamond Bit 2B Ec4502 Cored 50' in 9 3/4 hrs. Totco: MISRUN at 4435' Mud in Past 24 hours Time / Visc. / Wt. / W.L. / pH 9 A.M. / 55 / 10.1 / 6.5 / 10.5 12 noon / 85 / 10.1 / - / - 7 P.M. / 95 / 10.2 / 5.0 / 10.5 10 P.M. / 85 / 10.2 / 5.6 / 10.5 11:30 / 100 / 10.2 / 5.9 / 10.5 1 A.M. / 76 / 10.1 / 6.0 / 10.5 3 A.M. / 75 / 10.1 / 6.2 / 10.5

FORM 21417 (40M-11-56) IMPERIAL OIL LIMITED

WEEKLY CHRONOLOGICAL WELL REPORT

Well IOE CLARE F-79 Location 67° 10'N133° 00'W Elev 356.5 K.B.

~~District~~ Peace River Division Week Ending May 10, 1965 Report No 5

Date	Total Depth	Progress	Days	REMARKS
May 8	4575'	90	33	Drilling 7 7/8" hole at 8:00 A.M. Diamond 2B #EC4502 Cored 50' in 7 hours . Core #14 4485' - 4535' Rec. 50/50' Bit #24 M4N #837587 drilled 4535' - 4575' 23PR reamed 4435' - 4485' Mud at 8:00 A.M. Visc. 73; Wt. 9.9; W.L. 7.4; pH 10.5 Mud Additives: Gel 1500 lbs. Peltex 50 lbs. Caustic 50 lbs. Mud in last 24 hours Time Visc. Wt. W.L. pH 9 A.M. 75 10.1 6.6 9 10 A.M. 65 10.1 5.0 9 4 P.M. 49 9.9 6.6 9 10 P.M. 54 9.9 6.6 9 5 A.M. 68 10.0 7.4 9.5 7 A.M. 73 9.9 7.4 10.5 Weather: Temp. 34°F Fairly heavy wet snow
May 9	4740'	165	34	Drilling 7 7/8" hole at 8:00 A.M. Bit #24 M4NJ drilled 4535' - 4653' in 13 3/4 hours. Bit #25 OWV drilled 4653' - 4740' Mud at 8:00 A.M. Visc. 68; Wt. 10; W.L. 7.0 pH 10.5 Additives: Caustic 25 lbs. Peltex 50 lbs. Mud in last 24 hours 9 A.M. 73 10 5.6 10.5 3 P.M. 67 10 5.8 10.5 4 P.M. 65 10 7.0 10.5 10 P.M. 70 10 7.0 10.5 1 A.M. 72 10 6.2 10.5 5 A.M. 68 10 7.0 10.5 Weather: +35°F Light wet snow
May 10	4880'	140	35	Drilling 7 7/8" hole at 8:00 A.M. Bit #25 Drilled 4653' - 4762' in 12½ hours. Bit #26 M4N #839457 drilled 4762' - 4880' in 15 3/4 hours. Mud at 8:00 A.M. Visc. 70, Wt. 10.1; W.L. 6.8; pH 10.5

FORM 21417 (40M-11-56)

IMPERIAL OIL LIMITED

WEEKLY CHRONOLOGICAL WELL REPORT

Well IOE CLARE F-79 Location 67°10'N 133°00'W Elev 356.5 K.B.

~~XXXXX~~ District: Peace River Division Week Ending May 10, 1965. Report No 5

Date	Total Depth	Progress	Days	REMARKS
May 10	cont'd			

Mud Additives: Gel 1800 lbs.; Caustic 50
Peltex 200 lbs.

Mud in last 24 Hours

Time	Visc.	Wt.	W.L.	pH
8:30 A.M.	53	10.0	-	10.5
11:00 "	57	10.0	-	10.5
4:00 "	70	10.1	6.8	10.5
6:00 P.M.	72	10.1	6.7	10.5
9:00 P.M.	71	10.1	6.9	10.5
11:00 "	70	10.1	6.9	10.5
1:00 A.M.	70	10.1	5.6	10.5
5:00 A.M.	70	10.1	6.8	10.5

Weather: +34°F Light dry snow.

LITHOLOGY

4253' - 4880' Limestone, buff-pale brown dense lithographic. Tight

-- P.M. Ryan --
Geologist

FORM 21417 (40M-11-56) IMPERIAL OIL LIMITED

WEEKLY CHRONOLOGICAL WELL REPORT

Well IOE CLARE F-79 Location 67°10'N 133°00'W Elev 356.5; K.B.

District Peace River Division Week Ending May 17, 1965 Report No 6

Date	Total Depth	Progress	Days	REMARKS
May 11	5003'	123	36	Cutting core #15 at 8:00 A.M. Bit #27 OWV #50125 drilled 4880' - 4963' in 10 1/4 hours. Mud at 8:00 A.M. Visc. 82; Wt. 10.1; W.L. 6.6; pH 10.5 Mud Additives: Caustic 100 lbs. Peltex 250 lbs. Gel 600 lbs. Survey: 4845 --- 2° Mud in last 24 hours Time / Visc. / Wt. / W.L. / pH 1 P.M. / 79 / 10.1 / 6.6 / 10.5 3 P.M. / 65 / 10.1 / - / - 5 P.M. / 76 / 10.1 / 6.8 / 10.5 7 P.M. / 70 / 10.1 / 6.9 / 10.5 9 P.M. / 70 / 10.1 / 6.8 / 10.5 3 A.M. / 82 / 10.1 / 6.6 / 10.5 Weather: +29°F clearing
May 12	5064'	61	37	Tripping in new bit at 8:00 A.M. Bit #28 M4N #725136 drilled 5003' - 5064' in 7 hours. Core #15 4963' - 5013' Rec. 50/50' in 11 ½ hrs Reamed rathole on separate trip with sidewall reamer. Mud at 8:00 A.M. Visc. 76, Wt. 10.1; W.L. 7.0; pH 10.5 Mud Additives: Gel 1200 lbs. Caustic 50 lbs. Peltex 100 lbs. Mud in last 24 hours 1 P.M. / 83 / 10.1 / 7.0 / 10.5 5 P.M. / 60 / 10.0 / 7.4 / 10.5 11 P.M. / 71 / 10.1 / 7.2 / 10.5 3 A.M. / 76 / 10.1 / 7.0 / 10.5 Survey: 4640' 1½° 4845' 2° 5050' 3° Weather: Froze overnight, snowing at 8:00 A.M. .... cont'd....

FORM 21417 (40M-11-56) IMPERIAL OIL LIMITED

WEEKLY CHRONOLOGICAL WELL REPORT

Well IOE CLARE E-79 67°10'N 133° 00'W Location 67°10'N 133°00'W Elev 356.5 KB

~~District~~ Peace River Division Week Ending May 17, 1965 Report No 6

Date	Total Depth	Progress	Days	REMARKS
May 13	5190'	126	38	Drilling 7 7/8" hole at 8:00 A.M. Bit #29 M4L #723018 drilled 5064' - 5163' in 13 hours. Mud at 8:00 A.M. Visc. 68' Wt. 10.1; W.L. 6.6; pH 10.5 Mud Additives: Peltex 300 lbs. Caustic 100 lbs. Gel 300 lbs. Mud in last 24 hours: Time / Visc. / Wt. / W.L. / pH 11:00 A.M. / 120 / 10.2 / 7.0 / 10.5 1 P.M. / 100 / 10.2 / 7.0 / 10.5 3 P.M. / 94 / 10.2 / 6.8 / 10.5 5 P.M. / 90 / 10.2 / 6.8 / 10.5 7 P.M. / 85 / 10.2 / 6.9 / 10.5 9 P.M. / 85 / 10.2 / 7.1 / 10.5 5 A.M. / 70 / 10.1 / 6.4 / 10.5 7 A.M. / 68 / 10.1 / 6.6 / 10.5 Weather: +30°F. Froze overnight very light snow.
May 14	5322'	132'	39	Tripping out for new bit at 8:00 A.M. Bit #30 OWL #49934 drilled 5163' - 5210' in 7 1/2 hours. Bit #31: YH-J #E24287 drilled 5210' -5322' in 15 hours. Mud at 8:00 A.M. Visc. 88; Wt. 10.2; W.L. 6.6; pH 9.5: Mud Additives: Peltex 100 lbs. Caustic 20 lbs. Gel 1300 lbs. Surveys: 5205 --- 31/4° Mud in last 24 hours. Time / Visc. / Wt. / W.L. / pH 9 A.M. / 52 / 10.1 / 6.6 / 10.5 11 A.M. / 66 / 10.1 / 6.6 / 10.5 5 P.M. / 74 / 10.0 / 6.6 / 10.5 7 P.M. / 85 / 10.1 / 6.6 / 10.5 9 P.M. / 85 / 10.1 / 6.6 / 10.5 11 P.M / 83 / 10.2 / 6.5 / 10.5 1 A.M. / 87 / 10.1 / 6.6 / 9.5 2 A.M. / 88 / 10.2 / 6.6 / 9.5 4 A.M. / 88 / 10.2 / 6.6 / 9.5 cont'd

FORM 21417 (40M-11-56)

IMPERIAL OIL LIMITED

WEEKLY CHRONOLOGICAL WELL REPORT

Well TOE CLARE F-79 Location 67°10'N 133° 00'W Elev 356.5 K.B.

District Peace River Division Week Ending May 1, 1963 Report No 6

Date	Total Depth	Progress	Days	REMARKS
May 14	cont'd			Weather: +31°F. Light snow overright Sunny and clear at 8:00 A.M.
May 15	5444'	122	40	Drilling 7 7/8" hole at 8:00 A.M. Bit:32 WTJ #28909 drilled 5322' - 5442' in 16 hours. Mud at 8:00 A.M. Visc. 75; Wt. 10.2; W.L. 58: pH 10.5 Mud Additives: Gel 800 lbs. Caustic 20 lbs. Peltex 50 lbs. Surveys: 5322 — 3 1/4° 5442 — 3 1/2° Mud in last 24 hours. Time / Visc. / Wt. / W.L. / pH 1 P.M. 95 / 10.2 / 5.8 / 10.5 3 P.M. 65 / 10.1 / 5.8 / 10.5 4 P.M. 80 / 10.1 / 6.8 / 10.5 7 P.M. 76 / 10.2 / 6.7 / 10.5 9 P.M. 75 / 10.2 / 6.6 / 10.5 11 P.M. 75 / 10.2 / 6.6 / 10.5 1 A.M. 75 / 10.2 / 5.8 / 10.5 Weather: Froze overnight +28°F Clear and sunny at 8:00 A.M.
May 16	5558	114	41	Coring at 8:00 A.M. Bit 33: HTC-J #73403 drilled 5442' - 5558' in 16 hours. Mud at 8:00 A.M. Visc. 85; Wt. 10.0: Mud Additives: Gel 1000 lbs. Caustic 25 lbs. Peltex 100 lbs. Mud in last 24 hours. Time / Visc. / Wt. / W.L. / pH 9 A.M. 76 / 10.0 / 5.8 / 10.2 11 A.M. 66 / 10.0 / 6.0 / 10.2 1 P.M. 76 / 10.0 / 6.0 / 10.2

cont'd

FORM 21417 (40M-11-56) IMPERIAL OIL LIMITED

WEEKLY CHRONOLOGICAL WELL REPORT

Well IOE CLARE F-.9 Location 67°10'N 133°00:W Elev 356.5 K.B.

District Peace River Division Week Ending May 17, 1965 Report No 6

Date	Total Depth	Progress	Days	REMARKS
May 16	5558	114	41	cont'd

Time	Wt.	W.L.	Visc.	pH
3 P.M.	10.4	6.0	74	10.2
5 P.M.	10.2	6.6	72	10.5
7 P.M.	10.2	6.5	75	10.5
9 P.M.	10.2	6.6	73	10.5
7 A.M.	10.0	-	85	-

Survey: 5550' 3 1/4°
Weather: Froze overnight +28°F
Sunny and clear at 8:00 A.M.

May 17 | 5600 | 42 | 42

Breaking down Packer at *8:00 A.M.
Bit Diamond 2B #4502 Cored 5550' - 5600'
Mud at 8:00 A.M.
Visc. 90; Wt. 10.2; W.L. 5.8; pH 9.5
Mud Additives: Peltex 50 lbs.
Caustic 20 lbs.

Mud in last 24 hours.

Time	Visc.	Wt.	W.L.	pH
9 A.M.	120	10.2	5.6	10.0
11 A.M.	115	10.2	5.7	10.0
1 P.M.	90	10.2	5.8	9.5

Weather: +30°F overnight. Sunny and warm at 8:00 A.M.
DST #4 5495' - 5600'
W.I.P. dead in 5 minutes on initial flow.
W.A.B. dead in 5 minutes on flow. Reset after 20 mins. dead in 3 minutes.

I.H.P. 2919; 1st IFP 34; 1st FFP 57;
1st SIP 2409; 2nd IFP 34; 2nd FFP 80;
2nd SIP ? FHP 2860 B.H.T. 126°F
Rec. 55' highly gelled mud.
V.O. 5 & 60 S.I. 90 & 60

-- P.M. Ryan --
Geologist

FORM 21417 (40M-11-56) IMPERIAL OIL LIMITED

WEEKLY CHRONOLOGICAL WELL REPORT

Well IOE CLARE F-79 Location 67°10'N 133°00'W Elev 356.5' K.B.

XXXXXX Peace River Division Week Ending May 24, 1965 Report No. 7

Date	Total Depth	Progress	Days	REMARKS
May 18/65	5665'	65	43	Drilling at 8:00 A.M. 5665' Bit #34 H 7.5; #725654 Mud at 8:00 A.M. Wt. 10, Visc. 83, W.L. 5.4 F.C. 2/32; pH 10.2 Mud Additives: Gel 1300 lbs. Caustic 25 lbs. Peltex 50 lbs. Mud in last 24 Hours Time / Wt. / Visc. / W.L. / pH 8-9 / 10.1 / 90 / 6 / 9.5 10-11 / 10.1 / 65 / 6.1 / 9.5 12-1 / 9.8 / 67 / 6.8 / 10.2 2-3 / 9.8 / 67 / 6.8 / 10.2 4-5 / 9.9 / 87 / 5.4 / 10.2 6-7 / 10 / 83 / 5.4 / 10.2 LITHOLOGY: 5600' - 5665' Dolomite, grey to buff, micritic, calcareous, porous from 5632' - 5640' Traces of leached fossil porosity.
May 19	5732'	67	44	Pulling core #17 at 8:00 A.M. 5732' Drilling: Bit #34 out 5707' (measured out) Tested 5632' - 5707' Recovered 90' salty, watery mud. I.H. 2960; I.S.I. 2582; I. flow 65, F. Flow 87, F.S.I. 2449, F.H. 2937, Temp. 132° Cored: Core #17 #2B, No. EC 64502 in at 5732; out 5732' Recovered 25½ feet. Mud 8:00 A.M. Wt. 10.1; Visc. 95; W.L. 54, F.C. 2/32 pH 10.5 LITHOLOGY: 5665' - 5732' 5665' - 5707' Dolomite, tan to grey, micritic, calcareous to argillaceous. Core #17 5707' - 5732' Cut 25' Rec. 25' 5707' - 5711.2' Dolomite, brown, grey, micritic, recrystallized.

FORM 21417 (40M-11-56)

IMPERIAL OIL LIMITED

WEEKLY CHRONOLOGICAL WELL REPORT

Well IOE CLARE F-79 Location 67°10'N 133°00'W Elev 356.5' K.B.

District Peace River Division Week Ending May 24, 1965 Report No 7

Date	Total Depth	Progress	Days	REMARKS
May 19	Lithology	cont'd		5711'2" - 5716' Dolomite, brown to greenish grey, 20% sandstone infilling, stylolitic, large fractures filled with white calcite. 5716' -5718'10" Dolomite, brownish grey, micritic, vuggy vugs, infilled by white calcite (8.2 vugs up to 4 in thick) 5718'10" Stylolitic disconformity. 5718'10"-5720'10" LIMESTONE buff to grey brown dolomitic (30% dolomitic crystal less than 001 mm) 5720'10" - 5721'3" As above 5721'3" - 5725.5" Dolomite, brownish grey to tan, stylolitic white calcite in fractures. 5725'5" - 5729' Dolomite tan to grey, micritic, calcareous. 5729'11" - 5732' Mudstone, grey, hard, dolomitic, some shaly partings.
May 20	5776'	44	45	At 8:00 A.M. 5776' Coring Core #18 (Cutting) Mud at 8:00 A.M. Wt. 9.8; Visc. 80; W.L. 5.6; F.C. 2/32; pH 10.5 LITHOLOGY Core #18 5732' - 5782' Cut. 50 Rec. 50

FORM 21417 (40M-11-56) IMPERIAL OIL LIMITED

WEEKLY CHRONOLOGICAL WELL REPORT

Well IOE CLARE F-79 Location 67°10'N 133°00'W Elev 356.5' K.B.

District Peace River Division Week Ending May 24, 1965 Report No 7

Date	Total Depth	Progress	Days	REMARKS
May 20	Lithology cont'd			Dolomite grey to olive grey very finely crystalline very argillaceous, some very fine shale partings and interbeds Tight 5782' - 5815' Limestone buff to grey brown 30% dolomite as in core Tight 5815' - 5830' Dolomite grey brown, trace porosity. 5830' - 5862' Dolomite argillaceous grey to tan pin point and earthy porosity. Will cut a 25 foot core. Top ronning 5719' /-5362'
May 21	5860'	84	46	Tripping at 8:00 A.M. 5860' To cut core #19 Mud at 8:00 A.M. Wt. 9.9; Visc. 88; F.C. 2/32; pH 10.2 Drilled Bit 32, YH-J 7 7/8 E24280 in 5782 out 5860 ft. 78 ft. Mud 24 hours period Time / Wt. / Visc / W.L. / pH 8-9 / 9.8 / 80 / 5.6 / 10.5 9-10 / 10 / 80 11-12 / 10 / 65 12-1 / 9.9 / 65 / 5.4 / 10.5 2-3 / 9.9 / 90 / 5.4 / 10.5 4-5 / 9.9 / 25 / 5.4 / 10.5 6-7 / - / - / - / - Mud Additives: Gel 300 lbs., Cellex 25 lbs.; Peltex 50 lbs.; Caustic 25 LITHOLOGY: 5830' - 5860' Dolomite, micritic, tan to grey scattered intercrystalline porosity, some vuggy porosity.
May 22	5967'	107	47	Drilling at 8:00 A.M. 5967' Core #19 (5860' - 5885') vuggy dolomite.

FORM 21417 (40M-11-56) IMPERIAL OIL LIMITED

WEEKLY CHRONOLOGICAL WELL REPORT

Well IOE CLARE F-79 Location 67° 10'N 133° 00' Elev 356.5' K.B.

~~District~~ Peace River Division Week Ending May 24, 1965 Report No 7

Date	Total Depth	Progress	Days	REMARKS
May 22	cont'd			Drilled Bit #33, H7Y, #3143, in 5885'

Mud at 8:00 A.M.

Wt. 9.9; Visc. 74; W.L. 5.7; F.C. 2/32; pH 10.2

Mud Additives: Gel 600 lbs.; Peltex 100 lbs. Caustic 25 lbs.

Mud 24 hours period

Time	Wt.	Visc	W.L.	pH
8-9	9.9	88	4.8	10.2
10-11	-	-	-	-
12-1	9.8	65	4.9	10.2
2-3	9.8	70	5	10.2

Mud Additives: Cellex 72 lbs., Gel 500 lbs.

Time	Wt.	Visc.	W.L.	pH
12-1	9.8	74	4.8	10
2-3	9.8	69	-	10.5
4-5	9.9	76	5.0	10.5
6-7	919	73	5.0	10.5

Mud Additives: Peltex 100 lbs., Caustic 25 lbs Gel 300 lbs. Cellex 25 lbs.

LITHOLOGY (Ronning)

5862' - 5885' (Core #19)

5860' - 5861'4" Dolomite, olive grey to tan, cryptocrystalline to very fine grained vuggy in part (vugs less than 6 mm)

FORM 21417 (40M-11-56)

IMPERIAL OIL LIMITED

WEEKLY CHRONOLOGICAL WELL REPORT

Well IOE CLARE F-79 Location 67°10'N 133° 00' Elev 356.5 K.B.

~~XXXXXX~~ Peace River Division Week Ending May 24, 1965 Report No 7

Date	Total Depth	Progress	Days	REMARKS
May 22	cont'd			LITHOLOGY 5% porosity in vugs. Poor to no inter-crystalline porosity. 5861'4" - 5862'5" Dolomite as above but no vugs. Argillaceous in part. 5862.5 - 5866' Dolomite as above vuggy in part, vugs less than 3 mm Porosity less than 4% in vugs. Poor to no intercrystalline porosity. 5866' - 5866'.9 Dolomite as above, fractured in part. Strong calcite mineralization in fractures with pyritic. 5866.9' - 5873.2' Dolomite, as above vuggy, large vugs (½ in.) at 5870' Porosity less than 6% in vugs Poor to no intercrystalline porosity. 5930' - 5960' Dolomite, olive green to tan, micritic to cryptocrystalline, argillaceous with calcite infillings. 5960' - 5980' Dolomite tan to olive gray micritic to cryptocrystalline and argillaceous. 5873 ½' - 5883' Dolomite as above. Vuggy vugs less than 3mm Porosity 3-4% in vugs. Poor to no inter-crystalline porosity. 5883' - 5885' Dolomite as above, fractured, calcite infilling of fractures and vugs.

FORM 21417 (40M-11-56) IMPERIAL OIL LIMITED

WEEKLY CHRONOLOGICAL WELL REPORT

Well IOE CLARE F-79 Location 67° 10'N 133° 00' Elev 356.5'

~~District~~ Peace River Division Week Ending May 24, 1965 Report No 7

Date	Total Depth	Progress	Days	REMARKS
May 22	cont'd			LITHOLOGY 5885' - 5890' Dolomite as above, fractured with calcite infilling of fractures and vugs. 5890' - 5900' Argillaceous, dolomite, olive gray, micro-crystalline to cryptocrystalline with calcite infilling. 5900' - 5910' As above, micritic, argillaceous 5910' - 5920' As above, olive gray, micritic, argillaceous Dolomite. 5920' - 5930' Dolomite as above,olive grey to grey to tan. Micritic to very fine.
May 23	6073'	106	48	Tripping in at 8:00 A.M. 6073' Bit #33, H7T, #3143 in at 5885' out 6032' Bit #34 H7T #25571, in 6032' out at 6073' Bit #35 H7T #725623 in at 6073' Mud at 8:00 A.M. Time / Wt. 10.0 / Visc. 76 / W.L. 5.4 / pH 10.5 Mud in 24 hours period. 8-9: 9.8 / 65 / 5.0 / 10.5 10-11: 9.9 / 73 / 5.1 / 10.5 12-1: 9.9 / 84 / 5.7 / 10.2 2-3: 9.9 / 74 / 5.8 / 10.2 Mud Additives: Gel 600 lbs.; Peltex 100 lbs.; Caustic 25 lbs.

FORM 21417 (40M-11-56) IMPERIAL OIL LIMITED

WEEKLY CHRONOLOGICAL WELL REPORT

Well IOE CLARE F-79 Location 67°10'N 133°00'W Elev 356.5' K.B.

~~RESMKK~~ Peace River Division Week Ending May 24, 1965 Report No 7

Date	Total Depth	Progress	Days	REMARKS
May 23	cont'd			

Time	Wt.	Visc.	W.L.	pH
10-11	10	75	5.2	10
12-1	9.9	74	5.4	10.5
2-3	10	76	5.4	10.5

Mud Additives: Gel 400 lbs.; Peltex 100 lbs. Caustic 25 lbs.

LITHOLOGY: (Ronning)

5980' - 6073'

Dolomite, olive green to green grey to pale grey, to tan, cryptocrystalline to very fine argillaceous in part, some slight intercrystalline to vuggy porosity from 5980' - 6010'. Calcareous in part, up to 20%.

May 24 | 6196' | 123 | 49

Tripping in at 8:00 A.M.
Bit #35 Type H7/T 7 7/8" #725623, in 6073' out at 6196' Total 123 feet.

Mud at 8:00 A.M.

Wt. 10; Visc. 68; W.L. 5.6; F.C. 2/32; pH 10.5

Mud 24 hours period

Time	Wt.	Visc.	W.L.	pH
8-9	10.1	86	-	-
12-1	10.1	85	-	-
2-3	10.1	80	5.6	10
4-5	10	74	6.2	10.5
8-9	10.1	78	6.0	10.5
10-11	10	72	5.6	10.5

Mud Additives: Gel 500 lbs.; Peltex 100 lbs. Caustic 45 lbs.

Totco: DEV. 4½°

FORM 2141-7 (40M-11-56) IMPERIAL OIL LIMITED

WEEKLY CHRONOLOGICAL WELL REPORT

Well IOE CLARE F-79 Location 67°10'N 133°00'W Elev 356.5'

~~XXXXXX~~ Peace River Division Week Ending May 24, 1965 Report No 7

Date	Total Depth	Progress	Days	REMARKS
May 24	cont'd			LITHOLOGY Dolomite, greenish grey to pale grey. Some tan to olive gray, some intercrystalline to vuggy porosity for 6070' - 6080' . Calcareous throughout but less than 20% -- H. Halbertsma -- May 27, 1965.

FORM 21417 (40M-11-56) IMPERIAL OIL LIMITED

WEEKLY CHRONOLOGICAL WELL REPORT

Well IOE CLARE F-79 Location 67°10'N 133°00'W Elev 356.5'

~~XXXXX~~ Peace River Division Week Ending May 31, 1965 Report No 8

Date	Total Depth	Progress	Days	REMARKS
May 25	6348'	152	50	Tripping at 8:00 A.M. Bit #36, 4H 7 7/8 #E14369 in at 6196' out 6348'. Mud for 24 hours period Time Wt. Visc. W.L. F.C. pH 10-11 10 82 5.4 2/32 10.5 12-1 10 75 - - - 2-3 10 60 6.6 2/32 10.5 Additives: Caustic 25 lbs.; Peltex 50 lbs. Celtex 25 lbs. 4-5 10 68 6.4 2/32 10.5 6-7 10 66 - - - 8-9 10 64 7.2 2/32 10.5 10-11 10 66 5.8 2/32 10.5 Peltex 50 lbs.; Caustic 15 lbs.; Celex 25 12-1 10 65 6.4 2/32 10.5 2-3 10 75 6.3 2/32 10.5 4-5 10 80 6.3 2/32 10.5 Mud Additives: Gel 1000 lbs.; Peltex 100 lbs.; Caustic 15 lbs. Totco: Dev. 4.75° LITHOLOGY (Ronning) 6196' - 6348' Dolomite pale grey to grey, micritic to cryptocrystalline, calcareous in part (up to 10%)
May 26	6448'	100	51	Tripping at 8:00 A.M. Bit #38 YM 7 7/8 #E35091 in at 6448' Bit #37, M4N 7 7/8 in at 6348' out 6448' Mud at 8:00 A.M. Wt. 9.9; Visc. 76; W.L. 5.2; F.C. 2/32; pH 10. Gel 300 lbs.; Cellex 25 lbs.; Caustic 15 lbs. Tellex 50 lbs. ....cont'd....

FORM 21417 (40M-11-56) IMPERIAL OIL LIMITED

WEEKLY CHRONOLOGICAL WELL REPORT

Well IOE CLARE F-79 Location 67°10'N 133°00'W Elev 356.5

~~XXXXXXX~~ Peace River Division Week Ending May 31, 1965 Report No 8

Date	Total Depth	Progress	Days	REMARKS
May 26	cont'd			Mud for 24 hours period

Time	Wt.	Visc.	W. L.	F.C.	pH
12-1	10	78	6.6	2/32	10.5
2-3	10	76	-	-	-
4-5	10	93	5.6	2/32	10.5
6-7	10	88	-	2/32	10.5
8-9	10	79	5.6	2/32	10.5
10-11	10	76	5.2	2/32	10.5
12-1	10	65	5.6	2/32	10.5

Mud Additives: Caustic 65 lbs.; Peltex 100; Gel 700 lbs. Cellex 25 lbs.

LITHOLOGY (Ronning)

Dolomite, white to pale grey, cryptocrystalline 80%; microcrystalline 15%; calcareous 5% Tight.

May 27 | 6557' | 109' | 52

Tripping at 6558'
Bit #38, YME 35291, in at 6448' out 6557'
Bit #39, YHE 24281, in 6557'

Mud at 8:00 A.M.
Wt. 10; Visc. 8; W.L. 5.1; F.C. 2/32; ph 10.5

Mud record for past 24 hours

Time	Wt.	Visc.	W.L.	F.C.	pH
12-1	9.9	76	5.2	2/32	10
2-3	9.9	71	5.1	2/32	10
4-5	10.0	74	-	2/32	10.5
6-7	10.0	71	5.2	2/32	10.4
8-9	10.0	78	5.6	2/32	10.5
10-1	10.0	70	5.4	2/32	10.5

Mud Additives: Gel 800 lbs.; Peltex 100 lbs. Cellex 60 lbs.; Caustic 35 lbs.

....cont'd....

FORM 21417 (40M-11-56)

IMPERIAL OIL LIMITED

WEEKLY CHRONOLOGICAL WELL REPORT

Well IOE CLARE F-79 Location 67°10'N 133°00'W Elev 356.5

~~XXXXX~~ Peace River Division Week Ending May 31, 1965 Report No 8

Date	Total Depth	Progress	Days	REMARKS
May 27	cont'd			

Time	Wt.	Visc.	W.L.	F.C.	pH
12-1	10	69	5.4	2/32	10.5
2-3	10	79	5.4	2/32	10.5
4-5	10	75	5.3	2/32	10.5
6-7	-	-	-	-	-

LITHOLOGY

Dolomite, micritic to cryptocrystalline, pale grey to white, partly relict pellet tight

May 28 | 6658' | 100 | 53

Drilling at 6658'
Bit #40, W 7-T #28905 in at 6648'
Bit #39, YHE 24281, in 6557' out 6645'

Mud at 8:00 A.M.

Wt. 9.9; Visc. 84; W.L. 4.8; F.C. 2/32; pH 10.5

Mud record for past 24 hours

12-1	10.1	80	5.1	2/32	11
2-3	9.9	78	6.1	2/32	11
4-5	9.9	65	6.4	2/32	10.5
6-7	9.9	83	-	2/32	-
8-9	9.9	74	5.0	2/32	10.5
10-11	9.9	74		2/32	-
12-1	9.9	70	5.3	2/32	10.5
2-3	9.9	75	5.3	2/32	10.5

LITHOLOGY

Dolomite, pale grey to white grey, cryptocrystalline to microcryptocrystalline, calcareous in part, some vuggy to intercrystalline porosity.

May 29 | 6757' | 99 | 54

Drilling at 8:00 A.M.
Bit #41 #30879, Type W7-5, in 6420' out 6782'
Bit #40 W7T #28905, in 6645' out at 6720'

....cont'd....

FORM 21417 (40M-11-56)

IMPERIAL OIL LIMITED

WEEKLY CHRONOLOGICAL WELL REPORT

Well IOE CLARE F-79 Location 67°10'N 133°00'W Elev 356.5'

~~XXXXXX~~ Peace River Division Week Ending May 31, 1965 Report No 8

Date	Total Depth	Progress	Days	REMARKS
May 29	cont'd			Mud at 8:00 A.M. Wt. 9.9; Visc. 73; W.L. 5; F.C. 2/32; ph 10.5 Mud Additives: Gel 300 lbs. Mud for last 24 hours period

Time	Wt.	Visc.	W.L.	F.C.	pH
8-9	9.9	84	4.8	2/32	10.5
10-11	9.9	74	5.4	2/32	10.5
12-1	9.9	86	6	2/32	10.5
2-3	9.9	72	6.2	2/32	-

Mud Additives: Caustic 10 lbs.; Peltex 50 lbs.

4-5	9.9	74	6.2	2/32	10.5
6-7	9.9	79	-	-	
2-3	10	80	5.0	2/32	10.5
4-5	10	80	5.1	2/32	10.5
6-7	10	75	5.2	2/32	10.5

Mud Additives: Gel 300 lbs. Peltex 25 lbs. Caustic 10 lbs.; Peltex 50

LITHOLOGY

Dolomite, pale grey to green grey to tan, white grey, cryptocrystalline to microcrystalline; argillaceous in part, calcareous, poor porosity.

May 30	5812'	55	55	Coring at 8:00 A.M. Bit #41, W7-5, #30879 in 6720, out 6782' Bit 2B Diamond 7 13/16, Core 20 EC 4502 in at 6782, out 6798. Recovery 14/of 16' Mud at 8:00 A.M. Wt. 10; Visc. 74; W.L. 6.8 F.C. 2/32 pH 10.5 Bit 2B Diamond 7 13/16 EC4502, in at 6798'

....cont'd....

FORM 21417 (40M-11-56) IMPERIAL OIL LIMITED

WEEKLY CHRONOLOGICAL WELL REPORT

Well IOE CLARE F-79 Location 67°10'N 133°00'W Elev 356.5

XXXXX Peace River Division Week Ending May 31, 1965n Report No 8

Date	Total Depth	Progress	Days	REMARKS
May 30	cont'd			Mud Record for past 24 hours

Time	Wt.	Visc.	W.L.	F.C.	pH
8-9	9.9	73	5	2/32	10.5
12-1	10	73	5.2	2/32	10.5
6-7	9.9	85	5.2	2/32	10.5
8-9	9.9	75	-	2/32	10.5
4-5	9.9	75	5.2	2/32	10.5
6-7	9.9	71	5.2	2/32	10.5

LITHOLOGY

Core #20 (Ronning) 6782' - 6798'

May 31 | 6847' | 35 | 56

Drilling at 8:00 A.M.
Core #21 Bit 2B Diamond 7 13/16 EC4502 in at 6798' out 6825'

Bit #45 RG - 7XJ 7 7/8 SER #86843 in 6825'

Mud at 8:00 A.M.

Time	Wt.	Visc.	W.L.	F.C.	pH
8-9	10.0	63	5.2	2/32	-
10-1	71	10.0	-	-	-

Mud Additives: Cellex 25 lbs.; Gel 300 lbs.; Caustic 10 lbs.; Peltex 50 lbs.

LITHOLOGY:

Core #20 & Core #21

Dolomite, dark buff-gray, olive-gray to buff. Cryptocrystalline to microcrystalline, dense and very tough, coarse cleavage calcite as irregular grains and infilling fractures. Argillaceous in part with thin argillite interbeds, stylolitic.

-- H. Halbertsma --
Geologist

June 2, 1965

FORM 21417 (40M-11-56) IMPERIAL OIL LIMITED

WEEKLY CHRONOLOGICAL WELL REPORT

Well IOE CLARE F-79 Location 67°10'N 133°00'W Elev 356.5

~~District~~ Peace River Division Week Ending June 7, 1965 Report No 9

Date	Total Depth	Progress	Days	REMARKS
June 1	6958	108	57	Drilling at 8:00 A.M. Drilled to 6947' with RG7 xJ Bit #45 86843 in 6947' with YH-J Bit #46 E34463 Mud Additives: Cellex 50 lbs. Gel 800 lbs. Caustic 25 lbs. Peltex 100 lbs. Mud Properties: Visc. 63-79; Wt. 9.9-10 W.L. 4.8-5.3 pH 10.2-10.5 Totco: 6945' Defl. 5 3/4
June 2	7033	78	58	Tripping out at 8:00 A.M. Drilled 6955' - 6990' with a YH-J 7 7/8 Bit #46, E34463 Drilled 6990' - 7033' with a 7 7/8" W7R2, Bit #47, #18946 Mud Additives: Caustic 50 lbs. Peltex 100 lbs. Cellex 100 lbs. Gel 300 lbs. Mud: Visc. 67-82; Wt. 9.9-10.0; W.L. 4.6 - 5.8; pH 10.2-10.5 Totco: Nil
June 3	7114	80	59	Drilling at 8:00 A.M. Drilled 7033' - 7093' with a 7 7/8" W7-J, Bit #48, #30882 Drilled 7093' - 7114' with a 7 7/8" Bit #49 Mud Additives: Caustic 50 lbs.; Peltex 100 lbs.; Gel 800 lbs. Mud: Wt. 9.9-10.0; Visc. 71-76; W.L. 5.6-4.6; pH 10-10.2 Totco: Nil

/..cont'd...

FORM Z1417 (40M-11-56) IMPERIAL OIL LIMITED

WEEKLY CHRONOLOGICAL WELL REPORT

Well IOE CLARE F-79 Location 67°10'N 133°00'W Elev 356.5'

~~EXGMXK~~ Peace River Division Week Ending June 7, 1965 Report No 9

Date	Total Depth	Progress	Days	REMARKS
June 4	7186'	73	60	Tripping with new bit at 8:00 A.M. Drilled 7113' - 7153' with Bit #49 Drilled 7153' - 7186' with a 7 7/8", YH-J Bit #50, #E15311 Mud Additives: Nil Mud: Visc. 69-78; Wt. 9.9-10; W.L. 4.8-5.2 pH 10.5 Totco: 7150' 6°
June 5	7274'	88	61	Drilling at 8:00 A.M. 7274' Drilled 7186' - 7236' with a 7 7/8", YHG-J Bit #51, E44049 Drilled 7236' - 7274' with a 7 7/8", YHG-J Bit #52, E44056 Mud Additives: Gel 600 lbs; Peltex 50 lbs. Caustic 25 lbs.; Cellex 25 lbs. Mud: Visc. 68-84; W.T. 9.9-10.1; W.L. 5.0-5.6; pH 10.5 Totco: Nil
June 6	7368'	94	62	Drilling at 8:00 A.M. Drilled 7274' - 7300' with bit #52 YHG-J E44056 Drilled 7300' - 7368' with Bit #53 W7-J 46716 Mud Adds. Visc. 72-135; Wt. 10; W.L. 4.6-5.4; pH 10.5 Mud Additives: Cellex 25 lbs.; Peltex 150; Caustic 65 lbs.; Gel 300 lbs.
June 7	7447'	79	63	Trip in new bit at 8:00 A.M. Drilled 7368' - 7370' with Bit #53 Drilled 7370' - 7447' with a 7 7/8", YH-J Bit #54, E15363 Mud Additives: Gel 300 lbs.; Caustic 25 lbs. Peltex 100 lbs. Mud: Visc. 64-74; Wt. 9.8-10.0; W.L. 5.6 pH 10.5 Totco: 7370' 6°

-- D.J. Gentile--
~~Geologist~~

FORM 21417 (40M-11-56) IMPERIAL OIL LIMITED

WEEKLY CHRONOLOGICAL WELL REPORT

Well ICE CLARE F 79 Location 67°10' - 133°00' Elev

~~RKSXXXX~~ Peace River Division Week Ending June 14, 1965 Report No 10

Date	Total Depth	Progress	Days	REMARKS
June 8	7560	114	64	Drilling @ 8:00 A.M. Drilled 7447 - 7536 with a 7 7/8" W 7-J Bit # 55, 52549. Drilled 7536 - 7560 with a 7 7/8", YH-J Bit # 56, E 25361 Mud additives: 250 Peltex 65 Caustic 25 Cellex 300 Gel Mud: Visc. 72 - 85, Wt. 9.9 - 10.1 W.L. 4.8 - 6.0, PH 10.5 Totco: Nil
June 9	7706	146	65	Drilling at 8:00 A.M. Drilled 7560 - 7650 with Bit # 56 Drilled7650 - 7706 with a 7 7/8", W 7 Bit # 57, 49931 Mud additives: 500 Gel 300 Peltex 25 Cellex 75 Caustic Mud: Visc. 71 - 75, WT 10 - 10.1 W.L. 4.8 - 5.1, PH 10.2 - 10.5 Totco: 7650' - 5°
June 10	7774	68	66	Drilling @ 8:00 A.M. Drilled 7706 - 7738 with Bit # 57 Drilled 7738 - 7774 with a 7 7/8", W 7-J Bit # 58, # 50506 Mud additives: 25 Caustic 100 Peltex Mud: Visc. 77 - 120, WT. 10.1, WL. 4.6 - 5.0, PH Totco: Nil

FORM 21417 (40M-11-56)

IMPERIAL OIL LIMITED

WEEKLY CHRONOLOGICAL WELL REPORT

Well ICE CLARE F 79 Location 27°10' - 13°E0' Elev _____

~~District~~ Peace River Division Week Ending June 14, 1965 Report No 10

Date	Total Depth	Progress	Days	REMARKS
June 11	7850	76	67	Drilling @ 8:00 A.M. Drilled 7774 - 7825 with Bit # 58 Drilled 7825 - 7850 with a 7 13/16, Diamond Drilling Bit by Christensen, Bit # 59 # EC 6505. Mud additives: 25 Caustic 100 Peltex 700 Gel Mud: Visc. 105 - 67, WT 10.1 - 10 WL 4.8 - 5.2, PH 10.5 Totco: 7825 - 5° Pipe Tally: Dr. Tally 7825.00 SLM 7825.37 Diff .37
June 12	7870	20	68	Tripping in Bit @ 8:00 A.M. Drilled 7850 - 7857 with Diamond Drill Bit # 59 Mud additives: 25 Cellex 250 Peltex 300 Caustic Mud: Visc. 71 - 76, WT. 10 - 9.9 WL 5.6 - 4.4, PH 10.5 - 10.3 Totco:
June 13	7877	107	69	Tripping in Diamond Bit @ 8:00 A.M. Drilled 7857 - 7870 with a 7 7/8" [illegible] Bit # 60, # 5[illegible]62 Drilled 7870 - 7877 with a 7 7/8" Bit # 61, [illegible], # G 44154 Mud additives: 200 Peltex 25 Cellex 55 Caustic 1100 Gel Mud: Visc. 64-72, WT [illegible], WL. [illegible] PH. 10.2-10.5 Totco:

IMPERIAL OIL LIMITED

WEEKLY CHRONOLOGICAL WELL REPORT

Well IOE CLARE F-79 Location 67°10'N 133°00'W Elev 357' KB

~~RIGXXX~~ Peace River Division Week Ending June 14, 1965 Report No 10

Date	Total Depth	Progress	Days	REMARKS
June 14	8035'	57	70	Drilling at 8:00 A.M. Drilled 7977' - 7997' with a 7 13/16", Diamond R.R. #59 by Christensen, EC 6505 Drilled 7997' - 8035' with a 7 7/8, YHWG-J Bit #62, E44152 Mud Additives: Pltx. 150 lbs. Caustic 55 lbs. Cellex 25 lbs. Mud: Visc. 73-84; W.T. 10-10.1; W.L. 4.4-5.8; pH 10.5-10.0 Totco: Nil
June				-- D.J. Gentile -- Geologist.

IMPERIAL OIL LIMITED

WEEKLY CHRONOLOGICAL WELL REPORT

Well IOE CLARE F-79 Location 67° 10'N 133°00'W Elev 357'KB

~~RKSXNXX~~ Peace River Division Week Ending June 21, 1965 Report No 11

Date	Total Depth	Progress	Days	REMARKS
June 15	8145'	110	71	Drilling at 8:00 A.M. Drilled 8035' - 8086' with Bit #62. Drilled 8086' - 8145' with a 7 7/8", W7J Bit #63 1# 50564. Mud Additives: Peltex 150 lbs. Caustic 45 lbs. Gel 400 lbs. Cellex 25 lbs. Mud: Visc. 70-64; W.T. 10.1; W.L. 4.8-5.2; pH 10.5 Totco: 8086' - 4 1/2°
June 16	8268'	123	72	Tripping in at core bartel at 8:00 A.M. Drilled 8145' - 8226' with Bit #63 Drilled 8226' - 8268' with a 7 7/8" W7-J, Bit #64, #46700 Mud Additives: Peltex 100 lbs. Caustic 40 lbs. Gel 600 lbs. Cellex 25 lbs. Mud: Visc. 70-75; Wt. 10.1; W.L. 4.8-5.2; pH 10.5 Totco: 8268' 4 1/2°
June 17	8286'	18	73	Tripping out to Log at 8:00 A.M. Cored 8268' - 8286' with a 7 13/16 Diamond Bit #2B, EC 4502. By: M.O. Johnstone. Mud Additives: Gel 800 lbs. Cellex 25 lbs. Mud: Visc. 72-100 wt. 10-10.1; W.L. 5.0; pH 10.5 Core #22 8268' - 8286' Rec. 18' Dolomite, light grey, micro-crypto, very fine to fine traces med. c. dolomite in vugs, tr-10% fair vuggy and tr. inter-crystalline porosity argillaceous in part.

FORM [illegible] 1-56

IMPERIAL OIL LIMITED

WEEKLY CHRONOLOGICAL WELL REPORT

Well IOE CLARE F-79 Location 67°10'N 133°00'W Elev 357'KB

~~EXXXXX~~ Peace River Division Week Ending June 21, 1965 Report No 11

Date	Total Depth	Progress	Days	REMARKS
June 17	cont'd			First attempt to run Dual Induction Laterolog, Hung up, Bridle cut. Ran in to cir. and condiction.
June 18	8286'	Nil	74	Tripping in to condiction and Circ. for Temp. Log at 8:00 A.M. 8:15 A.M. Ran in with Dual Ind./Latero. by Schlumberger. No calibrate, signals recording, Tool damaged. Attempted to Run Velocity Survey by Century Recording equipment not functioning. Ran B.H.C. Sonic/Caliper - Successful Ran Velocity Survey (2nd Attempt) Successful Ran Microlaterolog Caliper Successful Ran Continuous Dipmeter Successful Will run Temp. Log if Otter does not arrive with 6FF40 equipment. Dual Induction Laterolog and Velocity equipment and men to leave by Otter when it arrives.
June 19	8286'	Nil	75	Tripping in DST #6 at 8:00 A.M. Circulate and condition hole-3 hours. Ran Temp. log (Successful) Ran induction 67740 (Successful) Trip in DST #6 at 5:45 A.M.
June 20	8286'	Nil	76	Laying down drill pipe at 8:00 A.M. DST #6 Rec. 20' drilling mud. I.S.I. 60 mins. Flow 60 mins. F.S.I. 60 mins. I.S.I. press - 2594' F.S.I. press 2587' I.F. press. 57.5 F.F. press 57.5 I.H. press 2985 F.H. press 2985 Plug #1 8286' - 8236' 30 sacks cement. Plug #2 5740' - 5840' 70 sacks cement. Felt at 5690 cont'd

IMPERIAL OIL LIMITED

WEEKLY CHRONOLOGICAL WELL REPORT

Well IOE CLARE F-79 Location 67°10'N 133°00'W Elev 357'KB

~~Division~~ Peace River Division Week Ending June 21, 1965 Report No 11

Date	Total Depth	Progress	Days	REMARKS
June 21	8286'	Nil	77	Tearing out rig at 8:00 A.M. Plug #3 800-900 100 sacks cement. Felt at 790 Plug #4 Top of casing. 5 sacks cement. Plate welded on casing. Rig released 11:30 P.M. June 20. FINAL REPORT -- D.J. Gentile-- Geologist

Summary

JOHNSTON TESTERS

TEST DATA

Formation		Zone Thickness			Ft.
Interval	375	To	449	T.D.	449
Type of Test	Open Hole, Bottom Hole				
Time Started in Hole	0730	Hrs.	Tool Open	0849	Hrs.
First Flow	5	Min.	Shut In	60	Min.
Second Flow	60	Min.	Final Shut In	90	Min.
Pulled Loose @	1224	Hrs.	Out of Hole	1300	Hrs.
Wt. Set on Packer	25,000	# Pulled Loose Wt.		5,000	#

Remarks

Description of Blow During Test **Very Weak Blow.**

GAS BLOW MEASUREMENTS

Measured with I.D. Riser or Est. ☐

Type of Instrument

Time	Sfce. Choke	Reading Inches	Cubic Feet/Day

FLUID RECOVERY

Was Test Reverse Circulated Yes ☐ No ☒

Fluid Recovered (Total) 10' Ft.

Description of Fluid Recovered 10' Drilling Fluid.

Remarks **Mis-Run, Test Cancelled.**

Co. Rep. H. Sproule

Tester R. Quinn

Elevation	356.5 KB 342.5 GL
Bottom Hole Choke Size	1/2"
Fluid Cushion Type	
Amount	

TOOL SEQUENCE

Tool	Length	O.D.
P.O. Sub.	.70	
D.P. Sub.	.80	
Shut in Tool	6.05	
Hyd. Tool	8.40	
Recorder	5.50	
Safety Jt.	1.75	
T.C. & Pkr.	5.30	
Total	28.50	
Stub	1.00	
Perf.	10.00	
Recorder	5.50	
Recorder	5.50	
Perf.	10.00	
Sub.	.80	
D.C.	30.82	
Sub.	.80	
Perf.	9.00	
B.N.	.60	
Total Interval	74.02	
Total Length	102.52	

MUD AND HOLE DATA

Mud Type Gel. W.L.

Filter Cake 2/32 Visc. 71 Wt. 9.5

Time Taken 0500 hrs.

Contractor Peter Bawden Drilling

Rig No. 16

Drill Pipe Size

Drill Collar Size 2 7/8 ID Length 403'

Main Hole Size 11"

Rat Hole Size

District	Edmonton	Ticket No.	C 2592
Company	Imperial Oil Limited	Address	Trail Building, Dawson Creek, B. C.
Well Name	I.O.E. Clare	Test No.	1
Number	#F-79-67-10-133-00 DST#1	Field	Wildcat
Formation and Interval	375-449	Consultant	

Date April 9/65

J.T.L. Test No. 1

Province N. W. T.

Distribution of Reports 3 - Dawson Creek, 2 & Charts - Calgary, 1 - Data Center - ALL ENCLOSED TO DAWSON CREEK.

JOHNSTON TESTERS

Pressure Data

Test Ticket No. C 2592

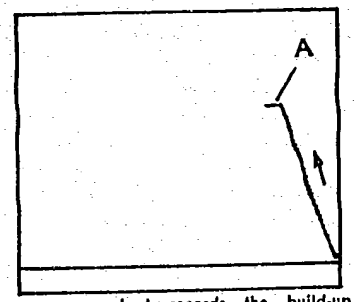
Recorder No.	AK1-2084	AK1-2086	AK1-2062		
Capacity (P.S.I.G.)	4300	4400	4700		
Recorder Depth	363	387	392		
Pressure Gradient P.S.I. Ft.					
Well Temperature °F.	53°	53°	53°		
A Initial Hydrostatic	181#	192#	195#		
B First Initial Flow					
C Initial Shut-In-Pres	Mis-Run,	Test	Cancelled.		
D Flowing Pres					
E Final Flow					
F Final Shut-In					
G Final Hydrostatic	177#	190#	192#		

Remarks

AK1-2084 - Inside Recorder
AK1-2086 - Outside Recorder
AK1-2062 - Outside Recorder

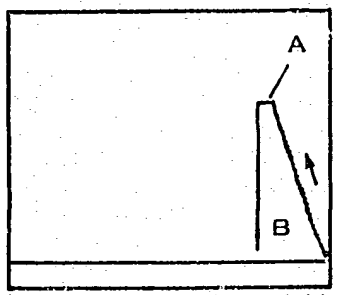
GUIDE TO INTERPRETATION AND IDENTIFICATION OF DRILL STEM TEST PRESSURE CHARTS

1



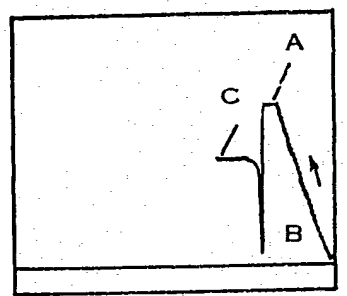
The pressure chart records the build-up in hydrostatic pressure as the testing assembly is lowered into the hole. Upon reaching the testing depth the hydrostatic head or pressure of mud column is recorded.

2



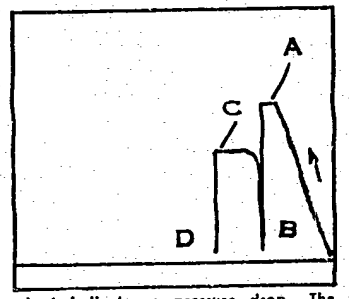
The packer is expanded and set to isolate the test zone. When the test valve is opened, a pressure drop is indicated on the pressure chart. This pressure drop is caused by removal of the hydrostatic mud pressure from the formation, allowing the formation to produce.

3



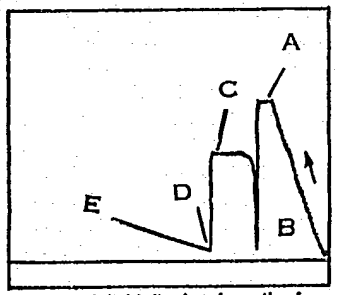
This chart shows the initial shut-in pressure. There is one mechanical method commonly used to obtain this pressure. A 4 stage shut-in tool, that is run-in in the open position and rotated closed when the desired amount of initial flow time is obtained. This initial shut-in pressure is the best method yet devised for recording the original undisturbed reservoir pressure of a formation.

4



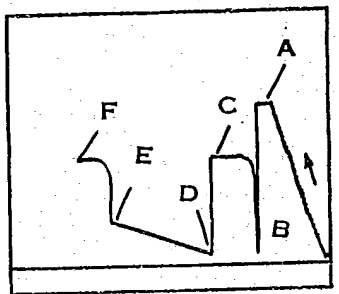
The chart indicates a pressure drop. The test tool has been opened to the surface by rotating the 4 stage shut-in tool into the open position. Permitting the open formation to produce.

5



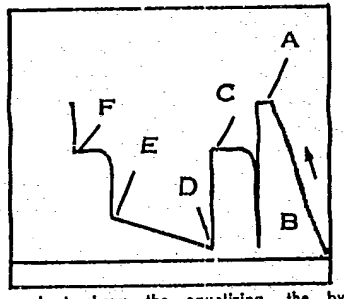
The pressure of fluid flowing from the formation into the well bore, through the perforated anchor, and into the drill pipe, is recorded on the chart.

6



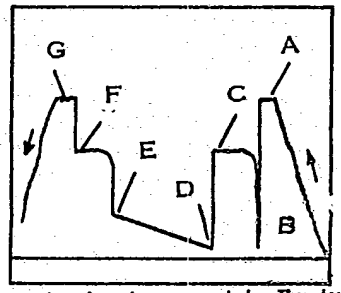
The final shut-in pressure is taken by stopping the flow of formation fluid into the drill pipe. Note the characteristic build-up curve. The well bore pressure is approaching equilibrium with the static reservoir pressure. When the shut-in curve levels-off the static reservoir pressure has been reached.

7



The chart shows the equalizing, the by-pass ports have been opened permitting the drilling fluid to flow through the packer to the test zone. Thus, pressure is equalized above and below the packer. The equalization of the pressure facilitates easier removal of the packer from the packer seat.

8



The packer has been unseated. The testing assembly is being removed from the hole.

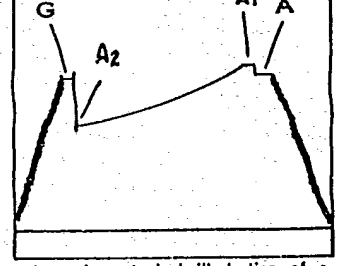
INDEX OF LABELED POINTS:

A—Initial Hyd. Mud
B—First Initial Flow
C—Initial Shut-in
D—Initial Flow
E—Final Flow
F—Final Shut-in
G—Final Hyd. Mud

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

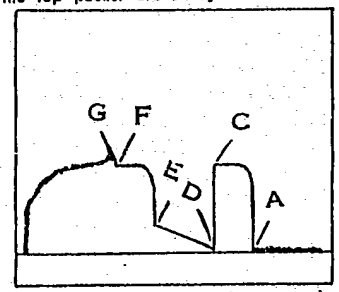
A-1, A-2, A-3, etc. Initial Hyd. Pressures.
B, B-1, B-2, B-3, First Initial Flow.
C-1, C-2, C-3, etc. The Initial Shut-in Pressures.
D-1, D-2, D-3, etc. Flowing Pressures.
E1, E-2, E-3, etc. The Final Flow Pressures or Final Shut-in Pressures.
F-1, F-2, F-3, etc. The Final Shut-in Pressures.
G-1, G-2, G-3, etc. Final Hyd. Mud Pressures.
Z — Special pressure points such as pumping pressure recorded for formation breakdown.

A



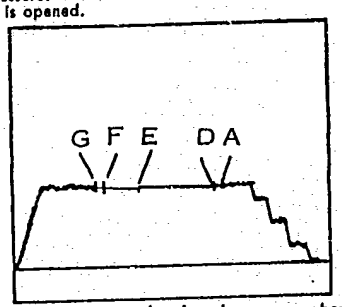
The above is a typical illustration of a chart from a recorder that is run below the bottom packer on a conventional straddle test. Only the hydrostatic mud pressures are recorded. When the tool is opened, there is a pressure differential across the bottom packer. This differential is lessened by the rubber flow of the packer element, which in turn causes a drawdown in pressure. If the below straddle chart reads the same as a chart that is run to record pressures of the test zone, then the bottom packer has failed. If this occurs, all zones below the top packer are being tested.

B



In this case a recorder has been run in an air chamber. The hydrostatic mud pressures are not influencing the recorder while going in or coming out of the hole due to the main tester valve being closed. The flow pressures and shut-in pressures are recorded while the main tester valve is opened.

C



In this case a recorder has been run above the main tester valve with a fluid cushion used in the drill pipe. No pressure is recorded as the testing tool is being lowered into the hole. Then the fluid cushion pressure is recorded as the drill pipe is filled with fluid. As more stands are run into the hole, the recorder registers the hydrostatic pressures of the cushion. When the main testing valve is opened the pressure of the cushion column or the flowing pressure of the formation, (which ever is greater), is recorded.

JOHNSTON TESTERS

JTL-CD-4

TEST DATA

Formation			Zone Thickness			Ft.	
Interval	1402	To	1520	T.D.	1520		
Type of Test	Open Hole, Bottom Hole						
Time Started in Hole	0400	Hrs.	Tool Open	0520	Hrs.		
First Flow	5	Min.	Shut In	60	Min.		
Second Flow	15	Min.	Final Shut In	120	Min.		
Pulled Loose @	0840	Hrs.	Out of Hole	1000	Hrs.		
Wt. Set on Packer	28,000		# Pulled Loose Wt.	2,000	#		

Remarks

Description of Blow During Test: Fair Blow, Dead in 1 Minute.

GAS BLOW MEASUREMENTS

Measured with ____ I.D. Riser or Est. ☐

Type of Instrument

Time	Stce. Choke	Reading Inches	Cubic Feet Day

FLUID RECOVERY

Was Test Reverse Circulated Yes ☐ No ☒

Fluid Recovered Total: 10' Ft

Description of Fluid Recovered: 10' Drilling Fluid.

Remarks: Test Conclusive but not Entirely Satisfactory, Mis-Run.

Co. Rep. H. Sproule

Tester F. Sprau

Elevation	356.5 KB	342.5 GL	
Bottom Hole Choke Size		1/2"	
Fluid Cushion Type			
Amount			

TOOL SEQUENCE

Tool	Length	O.D.
D.P. Sub.	.70	
P.O. Sub.	.84	
Shut in Tool	6.05	
Hyd. Tool	8.42	
Recorder	5.52	
Sub.	.83	
Jars	6.00	
Sub.	.83	
Safety Jt.	1.75	
T.C. & Pkr.	6.30	
T.C. & Pkr.	4.70	
Total	41.94	
Stub	1.00	
Perf.	5.00	
Recorder	5.52	
Recorder	5.52	
Recorder	5.52	
Perf.	2.00	
Sub.	.86	
D.P.	90.58	
Sub.	.78	
Perf. & B.N.	1.65	
Total Interval	118.43	
Total Length	160.37	

MUD AND HOLE DATA

Mud Type	Gel and Chem			W.L.	6.0
Filter Cake	2/32	Visc.	68	Wt.	9.4
Time Taken	April 17, 1965				
Contractor	Peter Bawden Drilling				
				Rig No.	
Drill Pipe Size	4 1/2 FH				
Drill Collar Size	2 7/8 ID		Length	215'	
Main Hole Size	7 7/8"				
Rat Hole Size					

District	Edmonton	Ticket No. C 3177	Date April 17/65
Company	Imperial Oil Limited	Address Trail Building, Dawson Creek, B. C.	
Well Name	I.O.E. Clare	Test No. 2	J.T.L. Test No. 2
Number	#F-79-67-10-133-00 DST#2	Field Wildcat	Province N. W. T.
Formation and Interval	1402-1520	Consultant	

Distribution of Reports: 3 - Dawson Creek, 2 & Charts - Calgary, 1 - Data Center - ALL ENCLOSED TO DAWSON CREEK.

JOHNSTON TESTERS

Pressure Data Test Ticket No. C 3177

JTL-CO-5

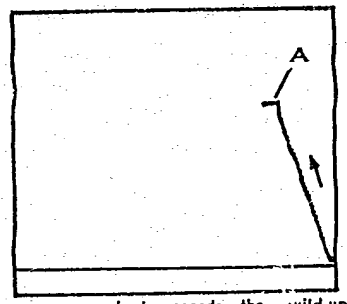
Recorder No.	AK1-2084	AK1-2086	AK1-2062	T-184	
Capacity (P.S.I.G.)	4300	4400	4700	3000	
Recorder Depth	1377	1409	1414	1419	
Pressure Gradient P.S.I. Ft.					
Well Temperature °F.	70°	70°	70°	70°	
A Initial Hydrostatic	692#	712#	711#	697#	
B First Initial Flow	17#	34#	38#	45#	
C Initial Shut-In-Pres	52#	72#	74#	79#	
D Flowing Pres	56#	74#	75#	79#	
E Final Flow	62#	83#	83#	86#	
F Final Shut-In	98#	119#	118#	130#	
G Final Hydrostatic	706#	723#	724#	714#	

Remarks

AK1-2084 - Inside Recorder
AK1-2086 - Outside Recorder
AK1-2062 - Outside Recorder
T-184 - Outside Recorder - Called in for Recalibration.

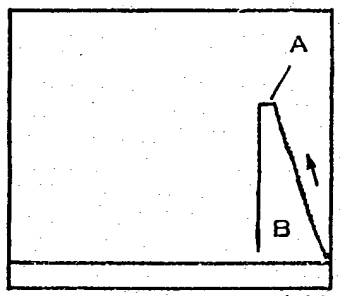
GUIDE TO INTERPRETATION AND IDENTIFICATION OF DRILL STEM TEST PRESSURE CHARTS

1



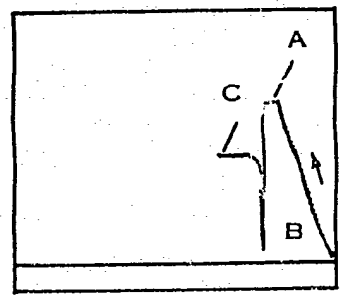
The pressure chart records the build-up in hydrostatic pressure as the testing assembly is lowered into the hole. Upon reaching the testing depth the hydrostatic head or pressure of mud column is recorded.

2



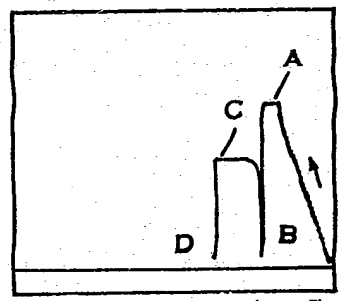
The packer is expanded and set to isolate the test zone. When the test valve is opened, a pressure drop is indicated on the pressure chart. This pressure drop is caused by removal of the hydrostatic mud pressure from the formation, allowing the formation to produce.

3



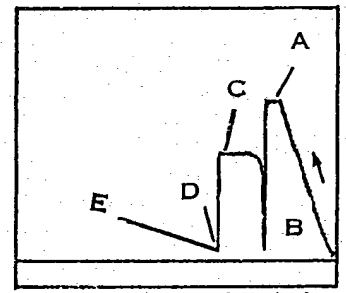
This chart shows the initial shut-in pressure. There is one mechanical method commonly used to obtain this pressure. A 4 stage shut-in tool, that is run-in in the open position and rotated closed when the desired amount of initial flow time is obtained. This initial shut-in pressure is the best method yet devised for recording the original undisturbed reservoir pressure of a formation.

4



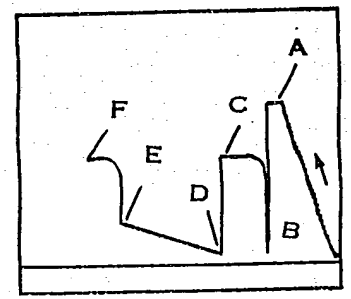
The chart indicates a pressure drop. The test tool has been opened to the surface by rotating the 4 stage shut-in tool into the open position. Permitting the open formation to produce.

5



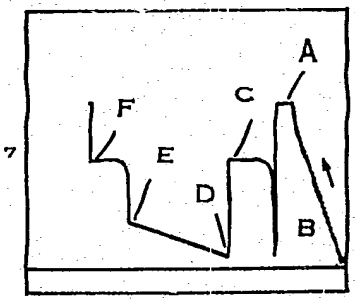
The pressure of fluid flowing from the formation into the well bore, through the perforated anchor, and into the drill pipe, is recorded on the chart.

6



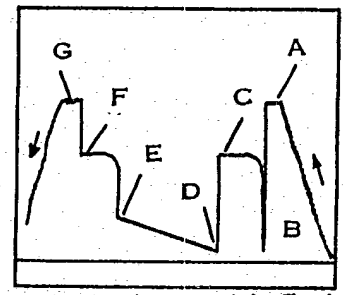
The final shut-in pressure is taken by stopping the flow of formation fluid into the drill pipe. Note the characteristic build-up curve. The well bore pressure is approaching equilibrium with the static reservoir pressure. When the shut-in curve levels-off the static reservoir pressure has been reached.

7



The chart shows the equalizing, the by-pass ports have been opened permitting the drilling fluid to flow through the packer to the test zone. Thus, pressure is equalized above and below the packer. The equalization of the pressure facilitates easier removal of the packer from the packer seat.

8



The packer has been unseated. The testing assembly is being removed from the hole.

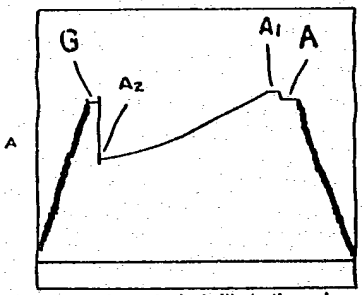
INDEX OF LABELED POINTS:

A—Initial Hyd. Mud
B—First Initial Flow
C—Initial Shut-in
D—Initial Flow
E—Final Flow
F—Final Shut-in
G—Final Hyd. Mud

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

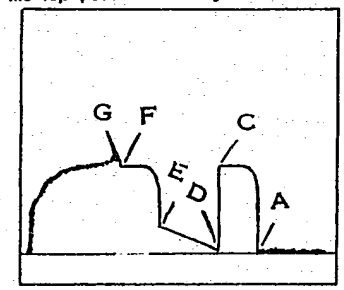
A-1, A-2, A-3, etc. Initial Hyd. Pressures.
B, B-1, B-2, B-3, First Initial Flow.
C-1, C-2, C-3, etc. The Initial Shut-in Pressures.
D-1, D-2, D-3, etc. Flowing Pressures.
E1, E-2, E-3, etc. The Final Flow Pressures or Final Shut-in Pressures.
F-1, F-2, F-3, etc. The Final Shut-in Pressures.
G-1, G-2, G-3, etc. Final Hyd. Mud Pressures.
Z — Special pressure points such as pumping pressure recorded for formation breakdown.

A



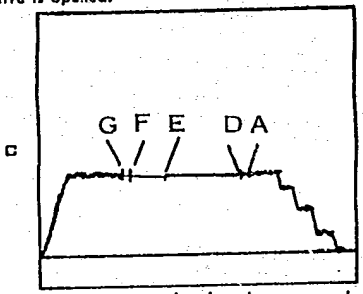
The above is a typical illustration of a chart from a recorder that is run below the bottom packer on a conventional straddle test. Only the hydrostatic mud pressures are recorded. When the tool is opened, there is a pressure differential across the bottom packer. This differential is lessened by the rubber flow of the packer element, which in turn causes a drawdown in pressure. If the below straddle chart reads the same as a chart that is run to record pressures of the test zone, then the bottom packer has failed. If this occurs, all zones below the top packer are being tested.

B



In this case a recorder has been run in an air chamber. The hydrostatic mud pressures are not influencing the recorder while going in or coming out of the hole due to the main tester valve being closed. The flow pressures and shut-in pressures are recorded while the main tester valve is opened.

C



In this case a recorder has been run above the main tester valve with a fluid cushion used in the drill pipe. No pressure is recorded as the testing tool is being lowered into the hole. Then the fluid cushion pressure is recorded as the drill pipe is filled with fluid. As more stands are run into the hole, the recorder registers the hydrostatic pressures of the cushion. When the main testing valve is opened the pressure of the cushion column or the flowing pressure of the formation, (which ever is greater), is recorded.

JTL-CD-4

JOHNSTON TESTERS

TEST DATA

Formation		Zone Thickness			Ft.
Interval	2634 To	2654	T.D.	2654	
Type of Test	Open Hole, Bottom Hole				
Time Started in Hole	1815 Hrs.		Tool Open	2023	Hrs.
First Flow	5 Min.		Shut In	60	Min.
Second Flow	60 Min.		Final Shut In	60	Min.
Pulled Loose @	2328 Hrs.		Out of Hole	0145	Hrs.
Wt. Set on Packer	30,000 #		Pulled Loose Wt.	3,000	#

Remarks

Description of Blow During Test: Very Weak Blow. Dead in 1/2 Minute.

GAS BLOW MEASUREMENTS

Measured with ☐ I.D. Riser or Est. ☐

Type of Instrument

Time	Sfce. Choke	Reading Inches	Cubic Feet Day

FLUID RECOVERY

Was Test Reverse Circulated Yes ☐ No ☒

Fluid Recovered (Total) 5' Ft.

Description of Fluid Recovered 5' Drilling Fluid.

Remarks: Test Conclusive but not Entirely Satisfactory Mis-Run.

Co. Rep.

Tester: F. Sprau

District	Edmonton	Ticket No.	C 3179
Company	Imperial Oil Limited	Address	Trail Building, Dawson Creek, B. C.
Well Name	I.O.E. Clare	Test No.	3
Number	#F-79-67-10-133-00 DST#3	Field	Wildcat
Formation and Interval	2634-2654	Consultant	

Date: April 21/65

JTL Test No. 3

Province: N. W. T.

Distribution of Reports: 3 - Dawson Creek, 2 & Charts - Calgary, 1 - Data Center (ALL ENCLOSED TO DAWSON CREEK.)

Elevation	356.5 KB 342.5 GL
Bottom Hole Choke Size	1/2"
Fluid Cushion Type	
Amount	

TOOL SEQUENCE

Tool	Length	O.D.
Sub.	.83	
P.O. Sub.	.84	
Shut in Tool	6.05	
Hyd. Tool	8.42	
Recorder	5.52	
Sub.	.83	
Jars	6.00	
Sub.	.83	
Safety Jt.	1.75	
T.C. & Pkr.	6.30	
T.C. & Pkr.	4.70	
Total	42.07	
Stub	1.00	
Perf.	5.00	
Recorder	5.52	
Recorder	5.52	
Perf.	2.00	
Perf. & B.N.	1.65	
Total Interval	20.69	
Total Length	62.76	

MUD AND HOLE DATA

Mud Type	Gel and Chem	W.L.	8.6
Filter Cake	2/32	Visc. 160	Wt. 10.2
Time Taken	April 21/65		
Contractor	Peter Bawden Drilling		
		Rig No.	16
Drill Pipe Size	4 1/2 FH		
Drill Collar Size	2 7/8 ID	Length	186.54'
Main Hole Size	7 7/8"		
Rat Hole Size			

JOHNSTON TESTERS

Pressure Data

Test Ticket No. C 3179

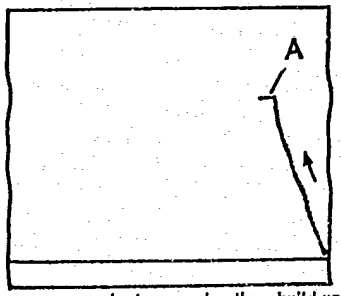
Recorder No.	AK1-2084	AK1-2086	AK1-2062		
Capacity (P.S.I.G.)	4300	4400	4700		
Recorder Depth	2599	2641	2646		
Pressure Gradient P.S.I./Ft.					
Well Temperature °F.	82°	82°	82°		
A Initial Hydrostatic	1428#	1437#	1443#		
B First Initial Flow	35#	51#	53#		
C Initial Shut-In-Pres	89#	110#	110#		
D Flowing Pres	89#	110#	110#		
E Final Flow	125#	146#	147#		
F Final Shut-In	137#	163#	163#		
G Final Hydrostatic	1431#	1442#	1444#		

Remarks

AK1-2084 - Inside Recorder
AK1-2086 - Outside Recorder
AK1-2062 - Outside Recorder

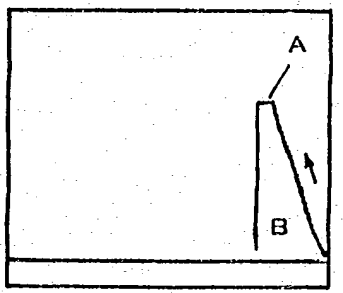
GUIDE TO INTERPRETATION AND IDENTIFICATION OF DRILL STEM TEST PRESSURE CHARTS

1



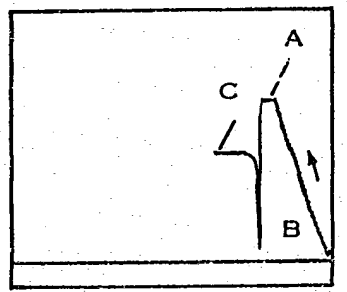
The pressure chart records the build-up in hydrostatic pressure as the testing assembly is lowered into the hole. Upon reaching the testing depth the hydrostatic head or pressure of mud column is recorded.

2



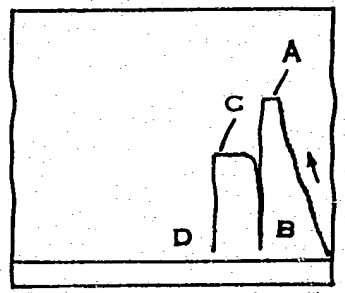
The packer is expanded and set to isolate the test zone. When the test valve is opened, a pressure drop is indicated on the pressure chart. This pressure drop is caused by removal of the hydrostatic mud pressure from the formation, allowing the formation to produce.

3



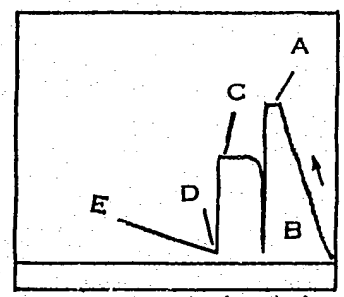
This chart shows the initial shut-in pressure. There is one mechanical method commonly used to obtain this pressure. A 4 stage shut-in tool, that is run-in in the open position and rotated closed when the desired amount of initial flow time is obtained. This initial shut-in pressure is the best method yet devised for recording the original undisturbed reservoir pressure of a formation.

4



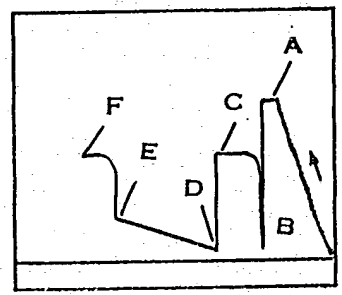
The chart indicates a pressure drop. The test tool has been opened to the surface by rotating the 4 stage shut-in tool into the open position. Permitting the open formation to produce.

5



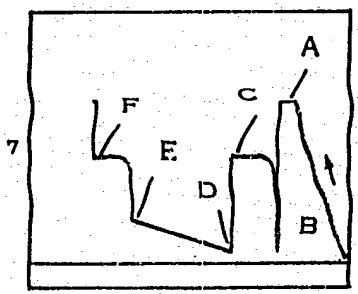
The pressure of fluid flowing from the formation into the well bore, through the perforated anchor, and into the drill pipe, is recorded on the chart.

6



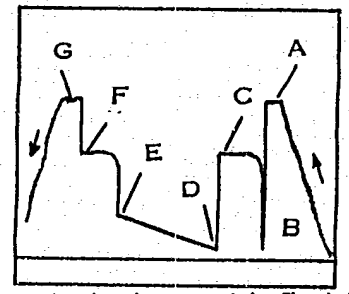
The final shut-in pressure is taken by stopping the flow of formation fluid into the drill pipe. Note the characteristic build-up curve. The well bore pressure is approaching equilibrium with the static reservoir pressure. When the shut-in curve levels-off the static reservoir pressure has been reached.

7



The chart shows the equalizing, the by-pass ports have been opened permitting the drilling fluid to flow through the packer to the test zone. Thus, pressure is equalized above and below the packer. The equalization of the pressure facilitates easier removal of the packer from the packer seat.

8



The packer has been unseated. The testing assembly is being removed from the hole.

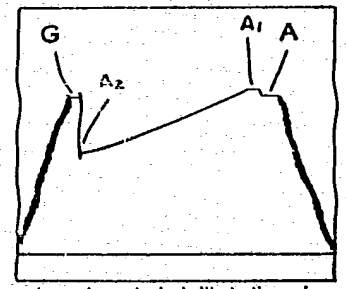
INDEX OF LABELED POINTS:

A—Initial Hyd. Mud
B—First Initial Flow
C—Initial Shut-in
D—Initial Flow
E—Final Flow
F—Final Shut-in
G—Final Hyd. Mud

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

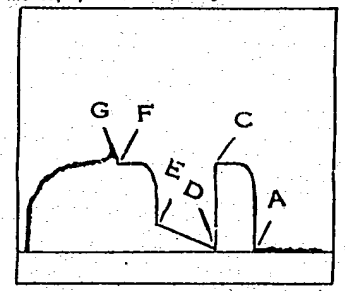
A-1, A-2, A-3, etc. Initial Hyd. Pressures.
B, B-1, B-2, B-3, First Initial Flow.
C-1, C-2, C-3, etc. The Initial Shut-in Pressures.
D-1, D-2, D-3, etc. Flowing Pressures.
E1, E-2, E-3, etc. The Final Flow Pressures or Final Shut-in Pressures.
F-1, F-2, F-3, etc. The Final Shut-in Pressures.
G-1, G-2, G-3, etc. Final Hyd. Mud Pressures.
Z — Special pressure points such as pumping pressure recorded for formation breakdown.

A



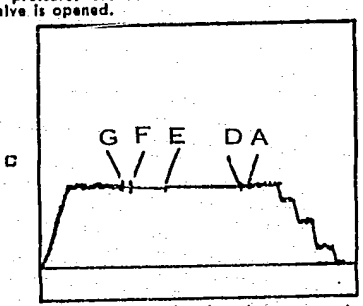
The above is a typical illustration of a chart from a recorder that is run below the bottom packer on a conventional straddle test. Only the hydrostatic mud pressures are recorded. When the tool is opened, there is a pressure differential across the bottom packer. This differential is lessened by the rubber flow of the packer element, which in turn causes a drawdown in pressure. If the below straddle chart reads the same as a chart that is run to record pressures of the test zone, then the bottom packer has failed. If this occurs, all zones below the top packer are being tested.

B



In this case a recorder has been run in an air chamber. The hydrostatic mud pressures are not influencing the recorder while going in or coming out of the hole due to the main tester valve being closed. The flow pressures and shut-in pressures are recorded while the main tester valve is opened.

C



In this case a recorder has been run above the main tester valve with a fluid cushion used in the drill pipe. No pressure is recorded as the testing tool is being lowered into the hole. Then the fluid cushion pressure is recorded as the drill pipe is filled with fluid. As more stands are run into the hole, the recorder registers the hydrostatic pressures of the cushion. When the main testing valve is opened the pressure of the cushion column or the flowing pressure of the formation, (which ever is greater), is recorded.

JOHNSTON TESTERS

JTL-CD-4

TEST DATA

Formation	Tight Hole	Zone Thickness		Ft.	
Interval	5493 To	5600 T.D.	5600		
Type of Test	Open Hole, Bottom Hole				
Time Started in Hole	2200 Hrs.	Tool Open	0158	Hrs.	
First Flow	6 Min.	Shut In	90	Min.	
Second Flow	60 Min.	Final Shut In	60	Min.	
Pulled Loose @	0534 Hrs.	Out of Hole	0740	Hrs.	
Wt. Set on Packer	30,000	# Pulled Loose Wt.	30,000	#	

Remarks

Description of Blow During Test: Weak Blow, Dead in 5 Minutes.

Reset in 20 Minutes with Similar Results.

GAS BLOW MEASUREMENTS

Measured with I.D. Riser or Est. ☐

Type of Instrument

Time	Sfce. Choke	Reading Inches	Cubic Feet Day

FLUID RECOVERY

Was Test Reverse Circulated Yes ☐ No ☒

Fluid Recovered Total: 55' Ft

Description of Fluid Recovered: 55' Highly Gelled Drilling Fluid.

Remarks: Test Satisfactory.

Co. Rep.	P. Ryan
Tester	J. McGillicky
District	Fort St. John
Company	Imperial Oil Limited
Well Name Number	I.O.E. Clare F-79 67-10-133-00 DST#4
Formation and Interval	Tight Hole 5493-5600

Elevation	356.5 KB 342.5 GL
Bottom Hole Choke Size	1/2"
Fluid Cushion Type	
Amount	

TOOL SEQUENCE

Tool	Length	O.D.
Sub.	1.95	
D.P. Sub.	.60	
Shut in Tool	6.04	
Hyd. Tool	7.49	
Safety Jt.	1.75	
T.C. & Pkr.	6.30	
T.C. & Pkr.	5.20	
Total	29.33	
Stub	1.00	
Perf.	5.00	
Recorder	6.00	
Perf.	5.00	
Recorder	6.00	
Perf.	5.00	
Recorder	6.00	
Sub.	.75	
D.P.	29.30	
Sub.	.75	
Perf.	10.00	
Sub.	.75	
D.P.	29.46	
Sub.	.75	
Perf. & B.N.	1.40	
Total Interval	107.16	
Total Length	136.49	

MUD AND HOLE DATA

Mud Type: Gel and Chem W.L. 5.8

Filter Cake 2/32 Visc. 90 Wt. 10.2

Time Taken: May 16, 1965 @ 1000 hrs.

Contractor: Peter Bawden Drilling Rig No. 16

Drill Pipe Size	4 1/2 FH
Drill Collar Size	2 7/8 ID Length
Main Hole Size	7 7/8"
Rat Hole Size	

Ticket No. C 3539 Date: May 17/65

Address: Trail Building, Dawson Creek, B. C.

Test No. 4 J.T.L. Test No. 4

Field: Wildcat Province: N. W. T.

Consultant

Distribution of Reports: 3 - Dawson Creek, 2 & Charts - Calgary, 1 - Data Center - ALL ENCLOSED TO DAWSON CREEK.

JOHNSTON TESTERS

Pressure Data

Test Ticket No. C 3539

Recorder No.	AK1-2062	AK1-2086	AK1-2084		
Capacity (P.S.I.G.)	4700	4400	4300		
Recorder Depth	5499	5510	5521		
Pressure Gradient P.S.I./Ft.					
Well Temperature °F.	126°	126°	126°		
A Initial Hydrostatic	2926#		2938#		
B First Initial Flow	38#	CLOCK	52#		
C Initial Shut-In-Pres	2469#	STOPPED	2478#		
D Flowing Pres	42#		56#		
E Final Flow	90#		97#		
F Final Shut-In	139# FALSE		96# FALSE		
G Final Hydrostatic	2855#		2865#		

Remarks

AK1-2062 - Outside Recorder Final Shut-in Leaked.
AK1-2086 - Outside Recorder
AK1-2084 - Outside Recorder

JOHNSTON TESTERS

Pressure Breakdown Data

JTL-CD-6

Date May 17, 1965 Test Ticket No. C 3539

Recorder No. AK1-2062 Capacity 4700 Recorder Depth 5499

Clock No. _____ Clock travel _____ inches per min. Well Temperature 126 °F.

Point	Pressure
A Initial Hydrostatic	2926#
B First Initial Flow	38#
C Initial Shut-In-Pres	2469#
D Flowing Pres	42#
E Final Flow	90#
F Final Shut-In	139# FALSE
G Final Hydrostatic	2855#

	Time Given	Time Computed
Opened Tool	0158 M.	
First Flow	6 Mins.	_____ Mins.
Initial Shut-In	90 Mins.	_____ Mins.
Flow	60 Mins.	_____ Mins.
Final Shut-In	60 Mins.	_____ Mins.

Remarks: _____

PRESSURE INCREMENTS

INITIAL SHUT-IN

Breakdown: 19 increments of 5 mins. and a final increment of _____ mins.

Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$
0	38	----
5	985	2.20
10	1541	1.60
15	1848	1.40
20	2058	1.30
25	2173	1.24
30	2256	1.20
35	2311	1.17
40	2347	1.15
45	2375	1.13
50	2396	1.12
55	2413	1.11
60	2425	1.10
65	2436	1.09
70	2446	1.09
75	2453	1.08
80	2460	1.08
85	2464	1.07
90	2469	1.07

FLOW PERIOD

Breakdown: 12 increments of 5 mins. and a final increment of _____ mins.

Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$
0	42	
5	43	
10	45	
15	49	
20	65	
25	83	
30	244	
35	163	
40	94	
45	160	
50	78	
55	134	
60	90	

Partial Plugging Throughout Flow Period.

Breakdown: _____ increments of _____ mins. and a final increment of _____ mins.

Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$

JOHNSTON TESTERS

Pressure Breakdown Data

JTL.CD.6

Date May 17, 1965 Test Ticket No. C 3539

Recorder No. AK1-2084 Capacity 4300 Recorder Depth 5521

Clock No. _____ Clock travel _____ inches per min. Well Temperature 126 °F.

Point		Pressure
A	Initial Hydrostatic	2938#
B	First Initial Flow	52#
C	Initial Shut-In-Pres	2478#
D	Flowing Pres	56#
E	Final Flow	97#
F	Final Shut-In	96# FALSE
G	Final Hydrostatic	2865#

	Time Given	Time Computed
Opened Tool	0158 M.	
First Flow	6 Mins.	_____ Mins.
Initial Shut-In	90 Mins.	_____ Mins.
Flow	60 Mins.	_____ Mins.
Final Shut-In	60 Mins.	_____ Mins.

Remarks: _____

PRESSURE INCREMENTS

INITIAL SHUT-IN

Breakdown: 18 increments of 5 mins. and a final increment of _____ mins.

Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$
0	52	-----
5	696	2.20
10	1475	1.60
15	1815	1.40
20	2013	1.30
25	2160	1.24
30	2236	1.20
35	2293	1.17
40	2336	1.15
45	2370	1.13
50	2397	1.12
55	2415	1.11
60	2431	1.10
65	2443	1.09
70	2452	1.09
75	2460	1.08
80	2467	1.08
85	2473	1.07
90	2478	1.07

FLOW PERIOD

Breakdown: 12 increments of 5 mins. and a final increment of _____ mins.

Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$
0	56	
5	56	
10	61	
15	73	
20	98	
25	294	
30	122	
35	271	
40	95	
45	116	
50	98	
55	104	
60	97	

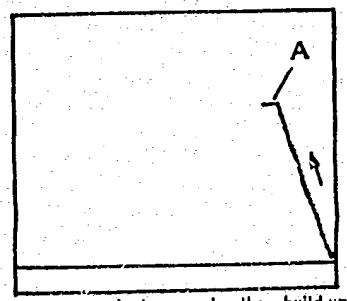
Partial Plugging Throughout Flow Period.

Breakdown: _____ increments of _____ mins. and a final increment of _____ mins.

Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$

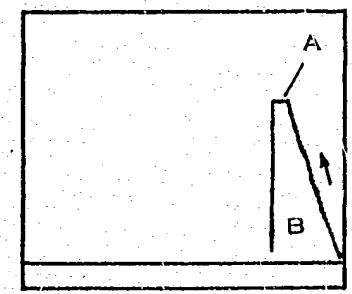
GUIDE TO INTERPRETATION AND IDENTIFICATION OF DRILL STEM TEST PRESSURE CHARTS

1



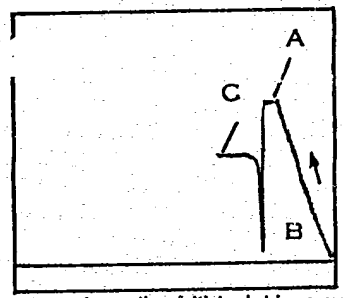
The pressure chart records the build-up in hydrostatic pressure as the testing assembly is lowered into the hole. Upon reaching the testing depth the hydrostatic head or pressure of mud column is recorded.

2



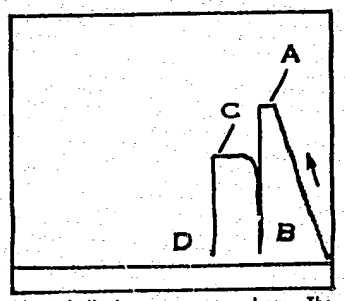
The packer is expanded and set to isolate the test zone. When the test valve is opened, a pressure drop is indicated on the pressure chart. This pressure drop is caused by removal of the hydrostatic mud pressure from the formation, allowing the formation to produce.

3



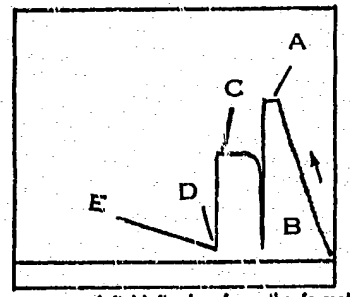
This chart shows the initial shut-in pressure. There is one mechanical method commonly used to obtain this pressure. A 4 stage shut-in tool, that is run-in in the open position and rotated closed when the desired amount of initial flow time is obtained. This initial shut-in pressure is the best method yet devised for recording the original undisturbed reservoir pressure of a formation.

4



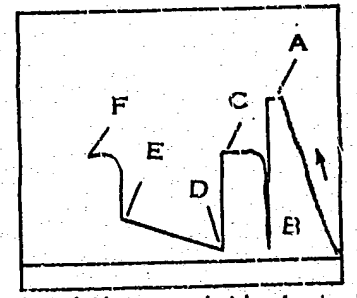
The chart indicates a pressure drop. The test tool has been opened to the surface by rotating the 4 stage shut-in tool into the open position. Permitting the open formation to produce.

5



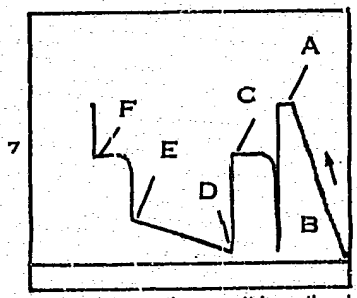
The pressure of fluid flowing from the formation into the well bore, through the perforated anchor, and into the drill pipe, is recorded on the chart.

6



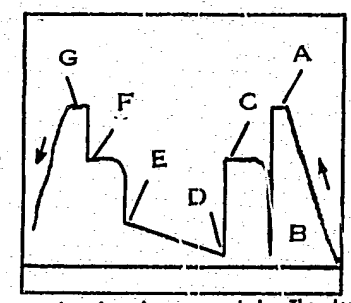
The final shut-in pressure is taken by stopping the flow of formation fluid into the drill pipe. Note the characteristic build-up curve. The well bore pressure is approaching equilibrium with the static reservoir pressure. When the shut-in curve levels-off the static reservoir pressure has been reached.

7



The chart shows the equalizing, the by-pass ports have been opened permitting the drilling fluid to flow through the packer to the test zone. Thus, pressure is equalized above and below the packer. The equalization of the pressure facilitates easier removal of the packer from the packer seat.

8



The packer has been unseated. The testing assembly is being removed from the hole.

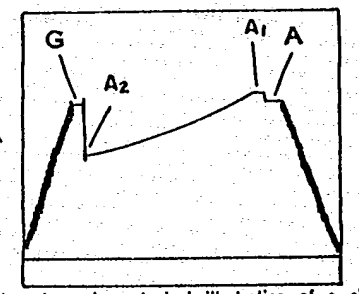
INDEX OF LABELED POINTS:

A—Initial Hyd. Mud
B—First Initial Flow
C—Initial Shut-in
D—Initial Flow
E—Final Flow
F—Final Shut-in
G—Final Hyd. Mud

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

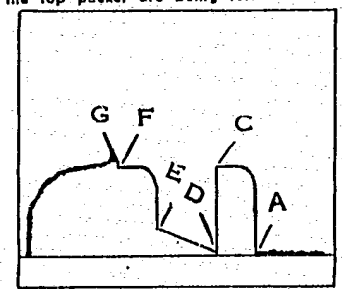
A-1, A-2, A-3, etc. Initial Hyd. Pressures.
B, B-1, B-2, B-3, First Initial Flow.
C-1, C-2, C-3, etc. The Initial Shut-in Pressures.
D-1, D-2, D-3, etc. Flowing Pressures.
E1, E-2, E-3, etc. The Final Flow Pressures or Final Shut-in Pressures.
F-1, F-2, F-3, etc. The Final Shut-in Pressures.
G-1, G-2, G-3, etc. Final Hyd. Mud Pressures.
Z — Special pressure points such as pumping pressure recorded for formation breakdown.

A



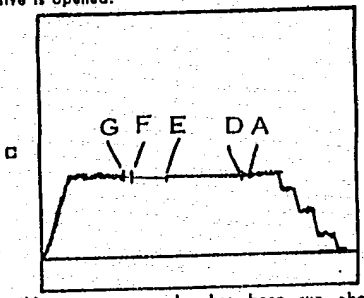
The above is a typical illustration of a chart from a recorder that is run below the bottom packer on a conventional straddle test. Only the hydrostatic mud pressures are recorded. When the tool is opened, there is a pressure differential across the bottom packer. This differential is lessened by the rubber flow of the packer element, which in turn causes a drawdown in pressure. If the below straddle chart reads the same as a chart that is run to record pressures of the test zone, then the bottom packer has failed. If this occurs, all zones below the top packer are being tested.

B



In this case a recorder has been run in an air chamber. The hydrostatic mud pressures are not influencing the recorder while going in or coming out of the hole due to the main tester valve being closed. The flow pressures and shut-in pressures are recorded while the main tester valve is opened.

C



In this case a recorder has been run above the main tester valve with a fluid cushion used in the drill pipe. No pressure is recorded as the testing tool is being lowered into the hole. Then the fluid cushion pressure is recorded as the drill pipe is filled with fluid. As more stands are run into the hole, the recorder registers the hydrostatic pressures of the cushion. When the main testing valve is opened the pressure of the cushion column or the flowing pressure of the formation, (which ever is greater), is recorded.

JTL.CD.4

JOHNSTON TESTERS

TEST DATA

Formation	Bear Rock	Zone Thickness			Ft.
Interval	5625 To	5700	T.D.	5700	
Type of Test	Open Hole, Bottom Hole				
Time Started in Hole	1730 Hrs.	Tool Open	1935	Hrs.	
First Flow	5 Min.	Shut In	60	Min.	
Second Flow	60 Min.	Final Shut In	60	Min.	
Pulled Loose @	2240 Hrs.	Out of Hole	0030	Hrs.	
Wt. Set on Packer	25,000	# Pulled Loose Wt.	30,000	#	

Remarks

Description of Blow During Test: Weak Blow Throughout Test.

GAS BLOW MEASUREMENTS

Measured with I.D. Riser or Est. ☐

Type of Instrument

Time	Sfce. Choke	Reading Inches	Cubic Feet/Day

FLUID RECOVERY

Was Test Reverse Circulated Yes ☐ No ☒

Fluid Recovered Total: 90' Ft.

Description of Fluid Recovered: 90' Salt Water Cut Drilling Fluid.

Remarks: Test Satisfactory.

Elevation	356.5 KB 342.5 GL
Bottom Hole Choke Size	1/2"
Fluid Cushion Type	
Amount	

TOOL SEQUENCE

Tool	Length	O.D.
P.O. Sub.	.85	
Sub.	.80	
Shut in Tool	6.05	
Hyd. Tool	7.50	
Safety Jt.	1.75	
T.C. & Pkr.	6.30	
T.C. & Pkr.	4.80	
Total	28.05	
Stub	1.00	
Perf.	5.00	
Recorder	5.50	
Perf.	10.00	
Recorder	5.50	
Perf.	10.00	
Recorder	5.50	
Sub.	.85	
D.P.	29.62	
Sub.	.75	
Perf. & B.N.	1.65	
Total Interval	75.37	
Total Length	103.42	

MUD AND HOLE DATA

Mud Type	Gel and Chem	W.L.	5.4
Filter Cake	2/32 Visc. 86	Wt.	10.0
Time Taken	1300 hrs.		
Contractor	Peter Bawden Drilling		
	Rig No. 16		
Drill Pipe Size	4 1/2 FH		
Drill Collar Size	Length		
Main Hole Size	7 7/8"		
Rat Hole Size			

Co. Rep.	H. Halbertsma		
Tester	R. Quinn		
District	Edmonton	Ticket No.	C 2596
Company	Imperial Oil Limited	Address	Trail Building, Dawson Creek, B. C.
Well Name	I.O.E. Clare	Test No.	5
Number	#F-79 67-10-133-00 DST#5	Field	Wildcat
Formation and Interval	Bear Rock 5625-5700	Consultant	

Date: May 18/65

J.J.T.L. Test No. 5

Province: N. W. T.

Distribution of Reports: 3 - Dawson Creek, 2 & Charts - Calgary, 1 - Data Center - ALL ENCLOSED TO DAWSON CREEK.

JOHNSTON TESTERS

Pressure Data

Test Ticket No. C 2596

JTL-CD-5

Recorder No.	AK1-2084	AK1-2062	AK1-2086		
Capacity (P.S.I.G.)	4300	4700	4400		
Recorder Depth	5632	5647	5663		
Pressure Gradient P.S.I./Ft.					
Well Temperature °F.	132°	132°	132°		
A Initial Hydrostatic	2925#	2932#	2946#		
B First Initial Flow	34#	43#	55#		
C Initial Shut-In-Pres	2533#	2544#	2554#		
D Flowing Pres	41#	48#	61#		
E Final Flow	57#	65#	80#		
F Final Shut-In	2403#	2418#	2428#		
G Final Hydrostatic	2899#	2901#	2911#		

Remarks

AK1-2084 - Outside Recorder
AK1-2062 - Outside Recorder
AK1-2086 - Outside Recorder

JOHNSTON TESTERS

Pressure Breakdown Data

JTL.CD.6

Date May 18, 1965 Test Ticket No. C 2596

Recorder No. AK1-2084 Capacity 4300 Recorder Depth 5632

Clock No. _____ Clock travel _____ inches per min. Well Temperature 132 °F.

Point		Pressure
A	Initial Hydrostatic	2925#
B	First Initial Flow	34#
C	Initial Shut-In-Pres	2533#
D	Flowing Pres	41#
E	Final Flow	57#
F	Final Shut-In	2403#
G	Final Hydrostatic	2899#

	Time Given	Time Computed
Opened Tool	1935 M.	
First Flow	5 Mins.	_____ Mins.
Initial Shut-In	60 Mins.	_____ Mins.
Flow	60 Mins.	_____ Mins.
Final Shut-In	60 Mins.	_____ Mins.

Remarks: _____

PRESSURE INCREMENTS

INITIAL SHUT-IN

Breakdown: 12 increments of 5 mins. and a final increment of _____ mins.

Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$
0	34	----
5	2120	2.00
10	2440	1.50
15	2493	1.33
20	2505	1.25
25	2512	1.20
30	2519	1.17
35	2523	1.14
40	2525	1.13
45	2527	1.11
50	2530	1.10
55	2531	1.09
60	2533	1.08

FINAL SHUT-IN

Breakdown: 12 increments of 5 mins. and a final increment of _____ mins.

Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$
0	57	-----
5	165	14.00
10	1286	7.50
15	2053	5.33
20	2263	4.25
25	2325	3.60
30	2351	3.17
35	2366	2.86
40	2378	2.63
45	2385	2.44
50	2392	2.30
55	2398	2.18
60	2403	2.08

FLOW PERIOD

Breakdown: 12 increments of 5 mins. and a final increment of _____ mins.

Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$
0	41	
5	46	
10	48	
15	48	
20	47	
25	47	
30	50	
35	50	
40	51	
45	55	
50	55	
55	57	
60	57	

JOHNSTON TESTERS

Pressure Breakdown Data

JTL-CD-6

Date May 18, 1965 Test Ticket No. C 2596

Recorder No. AK1-2062 Capacity 4700 Recorder Depth 5647

Clock No. _____ Clock travel _____ inches per min. Well Temperature 132 °F.

Point	Pressure
A Initial Hydrostatic	2932#
B First Initial Flow	43#
C Initial Shut-In-Pres	2544#
D Flowing Pres	48#
E Final Flow	65#
F Final Shut-In	2418#
G Final Hydrostatic	2901#

	Time Given	Time Computed
Opened Tool	1935 M.	
First Flow	5 Mins.	_____ Mins.
Initial Shut-In	60 Mins.	_____ Mins.
Flow	60 Mins.	_____ Mins.
Final Shut-In	60 Mins.	_____ Mins.

Remarks: _____

PRESSURE INCREMENTS

INITIAL SHUT-IN

Breakdown: 12 increments of 5 mins. and a final increment of _____ mins.

Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$
0	43	----
5	2392	2.00
10	2488	1.50
15	2512	1.33
20	2523	1.25
25	2528	1.20
30	2533	1.17
35	2536	1.14
40	2539	1.13
45	2540	1.11
50	2543	1.10
55	2544	1.09
60	2544	1.08

FINAL SHUT-IN

Breakdown: 12 increments of 5 mins. and a final increment of _____ mins.

Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$
0	65	-----
5	230	14.00
10	1498	7.50
15	2154	5.33
20	2296	4.25
25	2343	3.60
30	2366	3.17
35	2379	2.86
40	2389	2.63
45	2400	2.44
50	2407	2.30
55	2413	2.18
60	2418	2.08

FLOW PERIOD

Breakdown: 12 increments of 5 mins. and a final increment of _____ mins.

Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$
0	48	
5	55	
10	56	
15	57	
20	57	
25	57	
30	58	
35	59	
40	61	
45	62	
50	63	
55	64	
60	65	

JTL-CD-6

JOHNSTON TESTERS

Pressure Breakdown Data

Date May 18, 1965 Test Ticket No. C 2596

Recorder No. AK1-2086 Capacity 4400 Recorder Depth 5663

Clock No. _____ Clock travel _____ inches per min. Well Temperature 132 °F.

Point	Pressure
A Initial Hydrostatic	2946#
B First Initial Flow	55#
C Initial Shut-In-Pres	2554#
D Flowing Pres	61#
E Final Flow	80#
F Final Shut-In	2428#
G Final Hydrostatic	2911#

	Time Given	Time Computed
Opened Tool	1935 M.	
First Flow	5 Mins.	_____ Mins.
Initial Shut-In	60 Mins.	_____ Mins.
Flow	60 Mins.	_____ Mins.
Final Shut-In	60 Mins.	_____ Mins.

Remarks: _____

PRESSURE INCREMENTS

INITIAL SHUT-IN

Breakdown: 12 increments of 5 mins. and a final increment of _____ mins.

Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$
0	55	----
5	2360	2.00
10	2490	1.50
15	2518	1.33
20	2531	1.25
25	2537	1.20
30	2541	1.17
35	2547	1.14
40	2548	1.13
45	2550	1.11
50	2552	1.10
55	2553	1.09
60	2554	1.08

FINAL SHUT-IN

Breakdown: 12 increments of 5 mins. and a final increment of _____ mins.

Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$
0	80	-----
5	307	14.00
10	1619	7.50
15	2193	5.33
20	2303	4.25
25	2357	3.60
30	2377	3.17
35	2392	2.86
40	2403	2.63
45	2409	2.44
50	2417	2.30
55	2424	2.18
60	2428	2.08

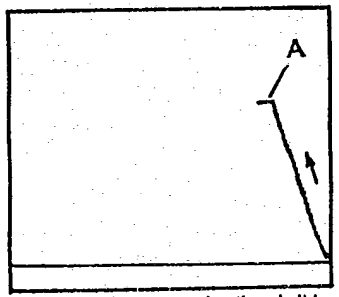
FLOW PERIOD

Breakdown: 12 increments of 5 mins. and a final increment of _____ mins.

Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$
0	61	
5	73	
10	69	
15	72	
20	72	
25	73	
30	74	
35	74	
40	75	
45	77	
50	78	
55	79	
60	80	

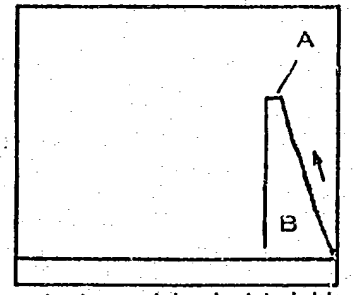
GUIDE TO INTERPRETATION AND IDENTIFICATION OF DRILL STEM TEST PRESSURE CHARTS

1



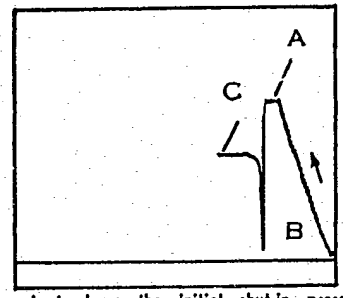
The pressure chart records the build-up in hydrostatic pressure as the testing assembly is lowered into the hole. Upon reaching the testing depth the hydrostatic head or pressure of mud column is recorded.

2



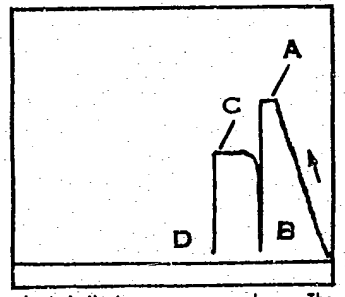
The packer is expanded and set to isolate the test zone. When the test valve is opened, a pressure drop is indicated on the pressure chart. This pressure drop is caused by removal of the hydrostatic mud pressure from the formation, allowing the formation to produce.

3



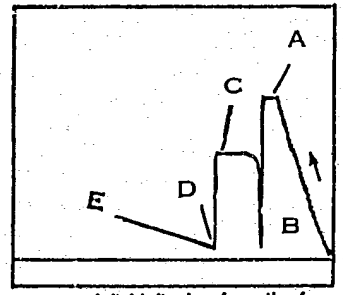
This chart shows the initial shut-in pressure. There is one mechanical method commonly used to obtain this pressure. A 4 stage shut-in tool, that is run-in in the open position and rotated closed when the desired amount of initial flow time is obtained. This initial shut-in pressure is the best method yet devised for recording the original undisturbed reservoir pressure of a formation.

4



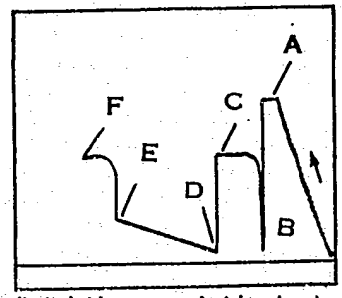
The chart indicates a pressure drop. The test tool has been opened to the surface by rotating the 4 stage shut-in tool into the open position. Permitting the open formation to produce.

5



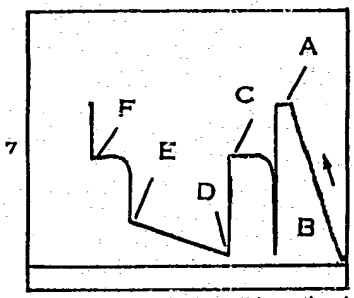
The pressure of fluid flowing from the formation into the well bore, through the perforated anchor, and into the drill pipe, is recorded on the chart.

6



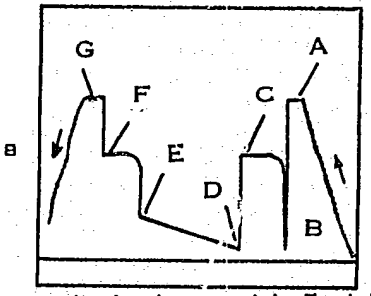
The final shut-in pressure is taken by stopping the flow of formation fluid into the drill pipe. Note the characteristic build-up curve. The well bore pressure is approaching equilibrium with the static reservoir pressure. When the shut-in curve levels-off the static reservoir pressure has been reached.

7



The chart shows the equalizing, the by-pass ports have been opened permitting the drilling fluid to flow through the packer to the test zone. Thus, pressure is equalized above and below the packer. The equalization of the pressure facilitates easier removal of the packer from the packer seat.

8



The packer has been unseated. The testing assembly is being removed from the hole.

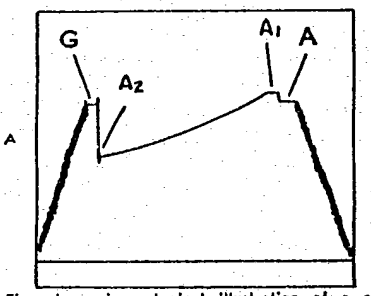
INDEX OF LABELED POINTS:

A—Initial Hyd. Mud
B—First Initial Flow
C—Initial Shut-in
D—Initial Flow
E—Final Flow
F—Final Shut-in
G—Final Hyd. Mud

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

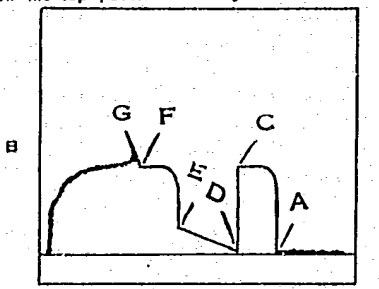
A-1, A-2, A-3, etc. Initial Hyd. Pressures.
B, B-1, B-2, B-3, First Initial Flow.
C-1, C-2, C-3, etc. The Initial Shut-in Pressures.
D-1, D-2, D-3, etc. Flowing Pressures.
E1, E-2, E-3, etc. The Final Flow Pressures or Final Shut-in Pressures.
F-1, F-2, F-3, etc. The Final Shut-in Pressures.
G-1, G-2, G-3, etc. Final Hyd. Mud Pressures.
Z — Special pressure points such as pumping pressure recorded for formation breakdown.

A



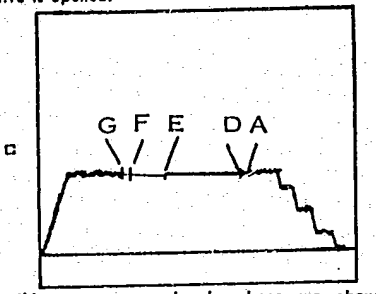
The above is a typical illustration of a chart from a recorder that is run below the bottom packer on a conventional straddle test. Only the hydrostatic mud pressures are recorded. When the tool is opened, there is a pressure differential across the bottom packer. This differential is lessened by the rubber flow of the packer element, which in turn causes a drawdown in pressure. If the below straddle chart reads the same as a chart that is run to record pressures of the test zone, then the bottom packer has failed. If this occurs, all zones below the top packer are being tested.

B



In this case a recorder has been run in an air chamber. The hydrostatic mud pressures are not influencing the recorder while going in or coming out of the hole due to the main tester valve being closed. The flow pressures and shut-in pressures are recorded while the main tester valve is opened.

C



In this case a recorder has been run above the main tester valve with a fluid cushion used in the drill pipe. No pressure is recorded as the testing tool is being lowered into the hole. Then the fluid cushion pressure is recorded as the drill pipe is filled with fluid. As more stands are run into the hole, the recorder registers the hydrostatic pressures of the cushion. When the main testing valve is opened the pressure of the cushion column or the flowing pressure of the formation, (which ever is greater), is recorded.

JTL.CD.4

JOHNSTON TESTERS

TEST DATA

Formation	Ronning	Zone Thickness			Ft.
Interval	5790	To	5850	T.D.	8286
Type of Test	Open Hole, Straddle, Conventional				
Time Started in Hole	0600	Hrs.	Tool Open	0943	Hrs.
First Flow	5	Min.	Shut In	60	Min.
Second Flow	60	Min.	Final Shut In	60	Min.
Pulled Loose @	1248	Hrs.	Out of Hole	1600	Hrs.
Wt. Set on Packer	30,000	#	Pulled Loose Wt.	20,000	#

Remarks

Description of Blow During Test: Weak Blow, Dead in 3 Minutes.

GAS BLOW MEASUREMENTS

Measured with I.D. Riser or Est ☐

Type of Instrument

Time	Size Choke	Reading Inches	Cubic Feet Day

FLUID RECOVERY

Was Test Reverse Circulated Yes ☐ No ☒

Fluid Recovered Total 20' Ft

Description of Fluid Recovered 20' Drilling Fluid.

Remarks: Test Satisfactory.

Co. Rep. D. Gentile

Tester E. Patterson

Elevation	356.5 KB		342.5 GL
Bottom Hole Choke Size			1/2"
Fluid Cushion Type			
Amount			

TOOL SEQUENCE

Tool	Length	O.D.
P.C. Sub.	.87	
Sub.	1.55	
Jars	6.00	
Sub.	.83	
Shut in Tool	6.03	
Hyd. Tool	7.50	
Recorder	5.44	
Safety Jt.	1.75	
H. Sub.	.90	
T.C. & Pkr.	5.20	
Total	36.07	
Stub	1.10	
Perf.	12.53	
R. Sub.	.71	
2 Recorders	10.90	
Sub.	.69	
D.C.	30.82	
Sub.	.87	
T.C. & Stub	3.00	
Total Interval	60.62	
Pkr.	2.69	
Recorder	5.45	
Sub.	.87	
D.P.	2420.03	
Sub.	.80	
Perf.	4.50	
B.N. & Perf.	1.66	
Total Below Intv.	2436.00	
Total Length	2532.69	

MUD AND HOLE DATA

Mud Type W.L. 5.0

Filter Cake 2/32 Visc 100 Wt. 10.1

Time Taken

Contractor Peter Bawden Drilling Rig No. 16

Drill Pipe Size 4 1/2 FH

Drill Collar Size 2 7/8 ID Length 30'

Main Hole Size 7 7/8"

Bot Hole Size

District	Fort St. John	Ticket No	C 3595
Company	Imperial Oil Limited	Address	Trail Building, Dawson Creek, British Columbia
Well Name Number	I.O.E. Clare #F-79-67-10-133-00 DST#6	Test No.	6
Formation and Interval	Ronning 5790-5850	Field	Wildcat
Consultant		Province	N. W. T.

Date June 18/65

J.T.L. Test No. 6

Distribution of Reports: 3 - Dawson Creek, 2 & Charts - Calgary, 1 - Data Center (All Enclosed to Dawson Creek)

JOHNSTON TESTERS

Pressure Data

Test Ticket No. C 3595

Recorder No.	T-184	AK1-2062	AK1-2086	AK1-2084	
Capacity P.S.I.G.	3000	4550	4400	4300	
Recorder Depth	5777	5805	5810	5854	
Pressure Gradient P.S.I. Ft.					
Well Temperature °F.	158°	158°	158°	158°	
A Initial Hydrostatic	2995#	3015#	3023#	3048#	
B First Initial Flow	58#	62#	62#	A-1 3144#	
C Initial Shut-In-Pres	2581#	2595#	2595#	RAN BELOW	
D Flowing Pres	60#	60#	60#	STRADDLE	
E Final Flow	71#	69#	71#		
F Final Shut-In	2547#	2554#	2555#	A-2 2950#	
G Final Hydrostatic	2976#	2973#	2982#	3017#	

Remarks

T-184 - Inside Recorder
AK1-2062 - Outside Recorder
AK1-2086 - Outside Recorder
AK1-2084 - Outside Recorder

JOHNSTON TESTERS

Pressure Breakdown Data

JTL.CD.6

Date June 18, 1965 Test Ticket No. C 3595

Recorder No. T-184 Capacity 3000 Recorder Depth 5777

Clock No. _____ Clock travel _____ inches per min. Well Temperature 158 °F.

Point		Pressure
A	Initial Hydrostatic	2995#
B	First Initial Flow	58#
C	Initial Shut-In-Pres	2581#
D	Flowing Pres	60#
E	Final Flow	71#
F	Final Shut-In	2547#
G	Final Hydrostatic	2976 #

	Time Given	Time Computed
Opened Tool	0943 M.	
First Flow	5 Mins.	_____ Mins.
Initial Shut-In	60 Mins.	_____ Mins.
Flow	60 Mins.	_____ Mins.
Final Shut-In	60 Mins.	_____ Mins.

Remarks: _____

PRESSURE INCREMENTS

INITIAL SHUT-IN

Breakdown: 12 increments of 5 mins. and a final increment of _____ mins.

Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$
0	58	----
5	1432	2.00
10	2084	1.50
15	2334	1.33
20	2450	1.25
25	2494	1.20
30	2535	1.17
35	2552	1.14
40	2563	1.13
45	2570	1.11
50	2575	1.10
55	2579	1.09
60	2581	1.08

FINAL SHUT-IN

Breakdown: 12 increments of 5 mins. and a final increment of _____ mins.

Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$
0	71	-----
5	1208	14.00
10	1838	7.50
15	2162	5.33
20	2323	4.25
25	2406	3.60
30	2457	3.17
35	2487	2.86
40	2506	2.63
45	2522	2.44
50	2533	2.30
55	2541	2.18
60	2547	2.08

FLOW PERIOD

Breakdown: 12 increments of 5 mins. and a final increment of _____ mins.

Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$
0	60	
5	61	
10	62	
15	62	
20	63	
25	64	
30	65	
35	67	
40	67	
45	67	
50	68	
55	70	
60	71	

JOHNSTON TESTERS

Pressure Breakdown Data

JTL.CD.6

Date June 18, 1965 Test Ticket No. C 3595

Recorder No. AK1-2062 Capacity 4550 Recorder Depth 5805

Clock No. _____ Clock travel _____ inches per min. Well Temperature 158 °F.

Point	Pressure
A Initial Hydrostatic	3015#
B First Initial Flow	62#
C Initial Shut-In-Pres	2595#
D Flowing Pres	60#
E Final Flow	69#
F Final Shut-In	2554#
G Final Hydrostatic	2973#

	Time Given	Time Computed
Opened Tool	0943 M.	
First Flow	5 Mins.	_____ Mins.
Initial Shut-In	60 Mins.	_____ Mins.
Flow	60 Mins.	_____ Mins.
Final Shut-In	60 Mins.	_____ Mins.

Remarks: _____

PRESSURE INCREMENTS

INITIAL SHUT-IN

Breakdown: 12 increments of 5 mins. and a final increment of _____ mins.

Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$
0	62	----
5	1338	2.00
10	2111	1.50
15	2367	1.33
20	2469	1.25
25	2524	1.20
30	2553	1.17
35	2570	1.14
40	2580	1.13
45	2585	1.11
50	2591	1.10
55	2593	1.09
60	2595	1.08

FINAL SHUT-IN

Breakdown: 12 increments of 5 mins. and a final increment of _____ mins.

Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$
0	69	-----
5	1430	14.00
10	2031	7.50
15	2250	5.33
20	2361	4.25
25	2427	3.60
30	2470	3.17
35	2497	2.86
40	2517	2.63
45	2531	2.44
50	2541	2.30
55	2549	2.18
60	2554	2.08

FLOW PERIOD.

Breakdown: 12 increments of 5 mins. and a final increment of _____ mins.

Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$
0	60	
5	62	
10	62	
15	62	
20	62	
25	63	
30	63	
35	64	
40	64	
45	65	
50	66	
55	68	
60	69	

JOHNSTON TESTERS

Pressure Breakdown Data

JTL.CD.6

Date June 18, 1965 Test Ticket No. C 3595

Recorder No. AK1-2086 Capacity 4400 Recorder Depth 5810

Clock No. _____ Clock travel _____ inches per min. Well Temperature 158 °F.

Point:	Pressure
A Initial Hydrostatic	3023#
B First Initial Flow	62#
C Initial Shut-In-Pres	2595#
D Flowing Pres	60#
E Final Flow	71#
F Final Shut-In	2555#
G Final Hydrostatic	2982#

	Time Given	Time Computed
Opened Tool	0943 M.	
First Flow	5 Mins.	_____ Mins.
Initial Shut-In	60 Mins.	_____ Mins.
Flow	60 Mins.	_____ Mins.
Final Shut-In	60 Mins.	_____ Mins.

Remarks: _____

PRESSURE INCREMENTS

INITIAL SHUT-IN

Breakdown: 12 increments of 5 mins. and a final increment of _____ mins.

Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$
0	62	----
5	1963	2.00
10	2303	1.50
15	2442	1.33
20	2505	1.25
25	2540	1.20
30	2560	1.17
35	2573	1.14
40	2581	1.13
45	2585	1.11
50	2591	1.10
55	2593	1.09
60	2595	1.08

FINAL SHUT-IN

Breakdown: 12 increments of 5 mins. and a final increment of _____ mins.

Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$
0	71	-----
5	1474	14.00
10	2000	7.50
15	2239	5.33
20	2362	4.25
25	2432	3.60
30	2476	3.17
35	2502	2.86
40	2519	2.63
45	2532	2.44
50	2543	2.30
55	2551	2.18
60	2555	2.08

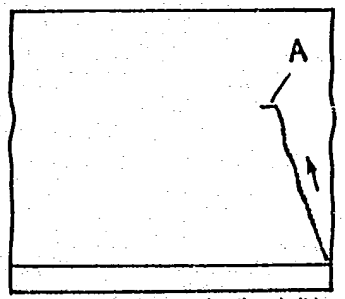
FLOW PERIOD

Breakdown: 12 increments of 5 mins. and a final increment of _____ mins.

Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$
0	60	
5	60	
10	60	
15	61	
20	62	
25	63	
30	64	
35	65	
40	66	
45	68	
50	69	
55	71	
60	71	

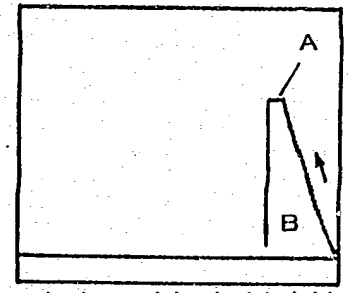
GUIDE TO INTERPRETATION AND IDENTIFICATION OF DRILL STEM TEST PRESSURE CHARTS

1



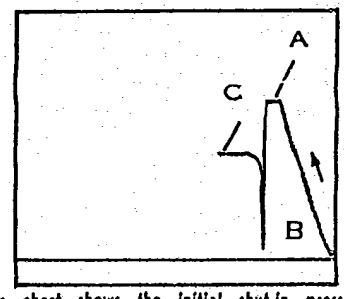
The pressure chart records the build-up in hydrostatic pressure as the testing assembly is lowered into the hole. Upon reaching the testing depth the hydrostatic head or pressure of mud column is recorded.

2



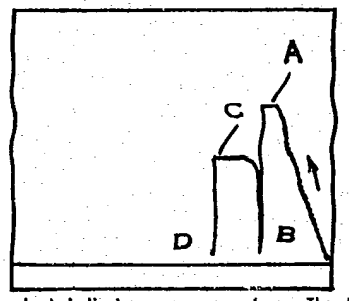
The packer is expanded and set to isolate the test zone. When the test valve is opened, a pressure drop is indicated on the pressure chart. This pressure drop is caused by removal of the hydrostatic mud pressure from the formation, allowing the formation to produce.

3



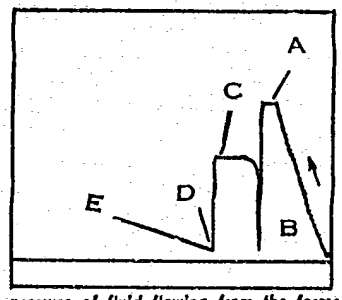
This chart shows the initial shut-in pressure. There is one mechanical method commonly used to obtain this pressure. A 4 stage shut-in tool, that is run-in in the open position and rotated closed when the desired amount of initial flow time is obtained. This initial shut-in pressure is the best method yet devised for recording the original undisturbed reservoir pressure of a formation.

4



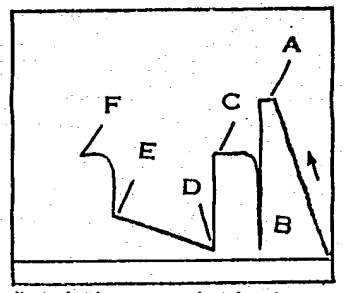
The chart indicates a pressure drop. The test tool has been opened to the surface by rotating the 4 stage shut-in tool into the open position. Permitting the open formation to produce.

5



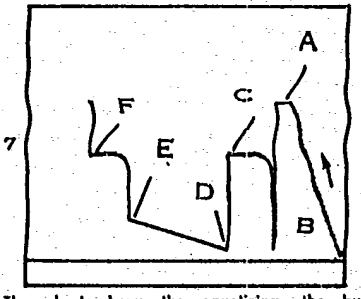
The pressure of fluid flowing from the formation into the well bore, through the perforated anchor, and into the drill pipe, is recorded on the chart.

6



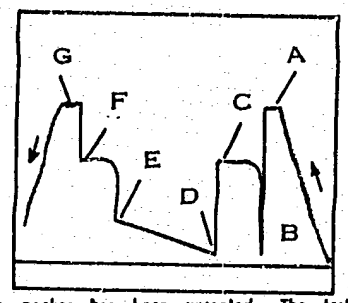
The final shut-in pressure is taken by stopping the flow of formation fluid into the drill pipe. Note the characteristic build-up curve. The well bore pressure is approaching equilibrium with the static reservoir pressure. When the shut-in curve levels-off the static reservoir pressure has been reached.

7



The chart shows the equalizing, the by-pass ports have been opened permitting the drilling fluid to flow through the packer to the test zone. Thus, pressure is equalized above and below the packer. The equalization of the pressure facilitates easier removal of the packer from the packer seat.

8



The packer has been unseated. The testing assembly is being removed from the hole.

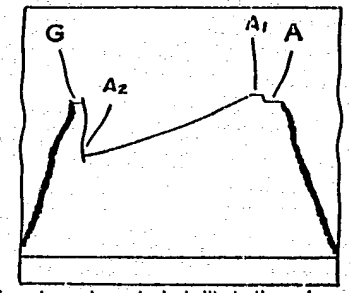
INDEX OF LABELED POINTS:

A—Initial Hyd. Mud
B—First Initial Flow
C—Initial Shut-in
D—Initial Flow
E—Final Flow
F—Final Shut-in
G—Final Hyd. Mud

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

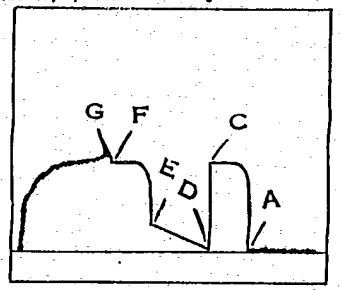
A-1, A-2, A-3, etc. Initial Hyd. Pressures.
B, B-1, B-2, B-3, First Initial Flow.
C-1, C-2, C-3, etc. The Initial Shut-in Pressures.
D-1, D-2, D-3, etc. Flowing Pressures.
E1, E-2, E-3, etc. The Final Flow Pressures or Final Shut-in Pressures.
F-1, F-2, F-3, etc. The Final Shut-in Pressures.
G-1, G-2, G-3, etc. Final Hyd. Mud Pressures.
Z — Special pressure points such as pumping pressure recorded for formation breakdown.

A



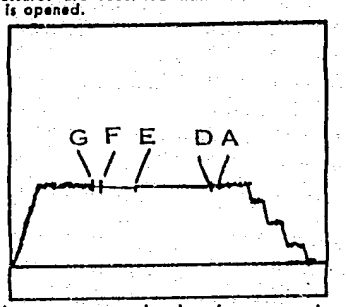
The above is a typical illustration of a chart from a recorder that is run below the bottom packer on a conventional straddle test. Only the hydrostatic mud pressures are recorded. When the tool is opened, there is a pressure differential across the bottom packer. This differential is lessened by the rubber flow of the packer element, which in turn causes a drawdown in pressure. If the below straddle chart reads the same as a chart that is run to record pressures of the test zone, then the bottom packer has failed. If this occurs, all zones below the top packer are being tested.

B



In this case a recorder has been run in an air chamber. The hydrostatic mud pressures are not influencing the recorder while going in or coming out of the hole due to the main tester valve being closed. The flow pressures and shut-in pressures are recorded while the main tester valve is opened.

C



In this case a recorder has been run above the main tester valve with a fluid cushion used in the drill pipe. No pressure is recorded as the testing tool is being lowered into the hole. Then the fluid cushion pressure is recorded as the drill pipe is filled with fluid. As more stands are run into the hole, the recorder registers the hydrostatic pressures of the cushion. When the main testing valve is opened the pressure of the cushion column or the flowing pressure of the formation, (which ever is greater), is recorded.

IMPERIAL OIL LIMITED

FORM No. 558

DATE April 10/65

PEACE RIVER DIVISION

PAGE NO 1

CASING—CEMENTING REPORT

REFERENCE TALLY NO 1

NAME OF WELL Joe C. et al F-3

CONTRACT RIG P. Baden PREPARED BY J. Hounslow

CASING	SIZE O.D (IN.)	WEIGHT LB/FT	GRADE	MANUFACTURER	COLLARS SHORT/LONG	NO OF JOINTS	AMOUNT FT	DEPTH FT K.B. (O)
Surface	8 5/8	28	N 80	Mgn	short	26	790.97	
STAGING COLLAR								
BACK-OFF COLLAR OR PACKER								
FLOAT COLLAR				Baker			1-55	
CASING	8 5/8	28	N 80	Mgn	short	1	31-72	
SHOE				Baker			1-25	
					TOTAL	27	825.49	
					CALC. AMT. UP ON LAST JT		15.82	
					ACTUAL AMT. UP ON LAST JT			
					MAKE UP ALLOWANCE			
					CASING SET		841.31	
					TOTAL DEPTH OF HOLE		850	

HOLE SIZE 17 1/4 IN FROM 0 TO 50 FT

HOLE SIZE 11 IN FROM 50 TO 850 FT

HOLE SIZE ___ IN FROM ___ TO ___ FT

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

CASING CUTOFF ___ IN. ABOVE TOP OF CASING FLGE.

TYPE OF CASING - A.P.I. ☐ EXTREME LINE ☐

POWER TONGS USED — YES ☐ NO ☒

POWER TONGS SUPPLIED BY ___

TYPE OF FLOAT EQUIPMENT Guide Shoe Float Collar MANUFACTURER Baker

ITEM	TYPE	MANUFACTURER	NO.	SPACING FT.	INTERVAL COVERED	FT. K.B. (O)
SCRATCHERS						
CENTRALISERS	slip over	Weatherford	2	Middle	1-3 jts.	

TYPE OF MUD Gel Chem.

INITIAL MUD WT 9/5 LB/GAL VISCOSITY 130 SEC

FINAL MUD WT ___ LB/GAL VISCOSITY ___ SEC

CEMENTED BY Co Foots

CEMENT USED 350 SKS GEL ___ SKS

ADDITIVES CaCl2 AMT 2 1/2 SKS

AMT ___ SKS

TIME CASING STARTED IN HOLE ___ AM PM

DROPPING RATE AT 2000 WAS ___ SEC FOR ___ FT JT

4000 WAS ___ SEC FOR ___ FT JT

6000 WAS ___ SEC FOR ___ FT JT

8000 WAS ___ SEC FOR ___ FT JT

WAS THERE LOSS OF FLUID WHILE RUNNING PIPE? No

IF SO AT WHAT DEPTH? ___ FT

TIME CASING ON BOTTOM ___ AM 5:40 PM

CIRCULATION BROKEN AT ___ AM 7:30 PM

PRESSURE REQUIRED TO BREAK CIRCULATION ___ PSI

CIRCULATING PRESSURE AFTER CLEANUP 250 PSI

STROKE LENGTH WHILE RECIPROCATING ___ FT INITIALLY

30 FT FINALLY

TIME STARTED MIX CEMENT ___ AM 7:32 PM

WAS BOTTOM PLUG USED no?

PRESSURE JUST BEFORE PLUG HITS 250 PSI

MAXIMUM PRESSURE 1200 PSI

PLUG CHASED WITH Mud AND BUMPED AT ___ AM 9 PM

STROKE LENGTH WHILE CEMENTING 30 FT

WAS THERE ANY DIFFERENCE IN PUMP PRESSURE ON UPSTROKE AND DOWNSTROKE? NONE ___ PSI

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

RECIPROCATION STOPPED AT ___ AM 9:00 P.M.

REMARKS

Good cement returns

Application to Abandon a Well or Suspend Drilling

- previously forwarded in triplicate.

Form 34402 (300 bks.-10-64)-P.P.Co. I.O.E. CLARE F-79

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 81

..... LSD..... SEC..... TWN..... RGE..... W..... Contractor PETER BAUDEN Type Rig 64-B OIL WELL Month JUNE Day 24 19 65

	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
DRILLING STRING	Size-D.P. / Stands / Singles / Kelly / Drill. Collar Ft. / Core Bbl. Ft. DRILL COLLAR DATA: Number / OD / ID / Length / INDICATOR WEIGHT OF TOTAL DRILLING STRING / DRILL COLLARS	Size-D.P. / Stands / Singles / Kelly / Drill. Collar Ft. / Core Bbl. Ft. DRILL COLLAR DATA: Number / OD / ID / Length / INDICATOR WEIGHT OF TOTAL DRILLING STRING / DRILL COLLARS	Size-D.P. / Stands / Singles / Kelly / Drill. Collar Ft. / Core Bbl. Ft. DRILL COLLAR DATA: Number / OD / ID / Length / INDICATOR WEIGHT OF TOTAL DRILLING STRING / DRILL COLLARS
BIT RECORD	No. / Type / Time On Bottom At / Time Pulled At / Total Hours Run / Depth Pulled / Weight On Bit M Pounds / FOOTAGE Drilled / Reamed Bit Serial No. / Table R.P.M. Jet or Conventional - / Nozzle Size Kind / at / Ft. / Deg. off	No. / Type / Time On Bottom At / Time Pulled At / Total Hours Run / Depth Pulled / Weight On Bit M Pounds / FOOTAGE Drilled / Reamed Bit Serial No. / Table R.P.M. Jet or Conventional - / Nozzle Size Kind / at / Ft. / Deg. off	No. / Type / Time On Bottom At / Time Pulled At / Total Hours Run / Depth Pulled / Weight On Bit M Pounds / FOOTAGE Drilled / Reamed Bit Serial No. / Table R.P.M. Jet or Conventional - / Nozzle Size Kind / at / Ft. / Deg. off
MUSH PUMP RECORD No. 1 No. 2	HOURS On Line / Circulating / Pump Press / Length of Pump Stroke / Strokes Per Min. / Liner Size	HOURS On Line / Circulating / Pump Press / Length of Pump Stroke / Strokes Per Min. / Liner Size	HOURS On Line / Circulating / Pump Press / Length of Pump Stroke / Strokes Per Min. / Liner Size
MUD RECORD	Time / Visc. / Wt. / W L / pH / ADDITIVES — POUNDS	Time / Visc. / Wt. / W L / pH / ADDITIVES — POUNDS	Time / Visc. / Wt. / W L / pH / ADDITIVES — POUNDS
CORING	From / To / Ft. Cored / Ft. Rec'd. / Core No. / Type Bbl.	From / To / Ft. Cored / Ft. Rec'd. / Core No. / Type Bbl.	From / To / Ft. Cored / Ft. Rec'd. / Core No. / Type Bbi.
DETAIL OF OPERATIONS AND REMARKS	From / To / Hrs.	From / To / Hrs.	From / To / Hrs.
	Driller T. Nugget	Driller W. Quirk	Driller

2nd Tour — DETAIL OF OPERATIONS AND REMARKS:

FLEW TO INUVIK
WITH OTTER
WAIT FOR P.W.A
FLIGHT BACK TO
EDMONTON

CLASSES OF TIME BREAKDOWN

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

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 Jones Approved by .....

Form 34402 (300 bks.-10-64)-P.P.Co. I.O.E. CLARE F-79

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 80

LSD..... SEC..... TWN..... RGE..... W..... Contractor PETER BAWDEN Type Rig 64-B OIL WELL Month JUNE Day 23 19 65

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

DEPTH

From	To	Hole Made	Hole Size	Formation

DRILLING STRING

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

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

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed

Bit Serial No. Table R.P.M.

Jet or Conventional - Nozzle Size

SURVEYS

Kind at Ft. Deg. off

MUSH PUMP RECORD

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

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS

CORING

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

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.

Driller T. Wigget

2nd Tour From: 3:00 a.m. To: 4:00 p.m.

DEPTH

From	To	Hole Made	Hole Size	Formation

DRILLING STRING

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

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

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed

Bit Serial No. Table R.P.M.

Jet or Conventional - Nozzle Size

Kind at Ft. Deg. off

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

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS

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

	From	To	Hrs.
PICK UP WATER			
LINE FROM LAKE,			
STACK LINE AT RIG			
TEAR OUT CAMP			

Driller W. Quick

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

DEPTH

From	To	Hole Made	Hole Size	Formation

DRILLING STRING

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

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

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed

Bit Serial No. Table R.P.M.

Jet or Conventional - Nozzle Size

Kind at Ft. Deg. off

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

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS

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

	From	To	Hrs.

Driller.....

CLASSES OF TIME BREAKDOWN

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

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 Louis Abel Approved by .....

Form 34402 (300 bks.-10-64)-P.P.Co. I.O.E. CLARE F-79

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 71

LSD..... SEC..... TWN..... RGE..... W..... Contractor PETER BAWDEN Type Rig 64-B OIL WELL Month June 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.
DEPTH	From / To / Hole Made / Hole Size / Formation	From / To / Hole Made / Hole Size / Formation	From / To / Hole Made / Hole Size / Formation
DRILLING STRING	Size-D.P. / Stands / Singles / Kelly / Drill. Collar Ft. / Core Bbl. Ft.	Size-D.P. / Stands / Singles / Kelly / Drill. Collar Ft. / Core Bbl. Ft.	Size-D.P. / Stands / Singles / Kelly / Drill. Collar Ft. / Core Bbl. Ft.
	DRILL COLLAR DATA: Number / OD / ID / Length; INDICATOR WEIGHT OF TOTAL DRILLING STRING / DRILL COLLARS	DRILL COLLAR DATA: Number / OD / ID / Length; INDICATOR WEIGHT OF TOTAL DRILLING STRING / DRILL COLLARS	DRILL COLLAR DATA: Number / OD / ID / Length; INDICATOR WEIGHT OF TOTAL 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 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
	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
MUD PUMP RECORD No. 1 No. 2	HOURS: On Line / Circulating; Pump Press; Length of Pump Stroke; Strokes Per Min.; Liner Size	HOURS: On Line / Circulating; Pump Press; Length of Pump Stroke; Strokes Per Min.; Liner Size	HOURS: On Line / Circulating; Pump Press; Length of Pump Stroke; Strokes Per Min.; Liner Size
MUD RECORD	Time / Visc. / Wt. / W L / pH / ADDITIVES — POUNDS	Time / Visc. / Wt. / W L / pH / ADDITIVES — POUNDS	Time / Visc. / Wt. / W L / pH / ADDITIVES — POUNDS
CORING	From / To / Ft. Cored / Ft. Rec'd. / Core No. / Type Bbl.	From / To / Ft. Cored / Ft. Rec'd. / Core No. / Type Bbl.	From / To / Ft. Cored / Ft. Rec'd. / Core No. / Type Bbl.
DETAIL OF OPERATIONS AND REMARKS	From / To / Hrs.	From / To / Hrs.	From / To / Hrs.
		FINISH TEARING OUT RIG - CLEANING LEASE STACK MUD + COVER SAME, STACKING EQUIP.	
	Driller J Wright	Driller W Quick	Driller

CLASSES OF TIME BREAKDOWN

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

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 .....

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

Form 34402 (300 bks.-10-64)-P.P.Co. FOE CLARK F 79-67-10-1330

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 78

LSD..... SEC..... TWN..... RGE..... W..... Contractor PETER BAKDEN Type Rig ..... Month June Day 21 19 65

DEPTH

1st Tour From: 12:00 Midnight To: 8:00 a.m.				
From	To	Hole Made	Hole Size	Formation

2nd Tour From: 8:00 a.m. To: 4:00 p.m.				
From	To	Hole Made	Hole Size	Formation

3rd Tour From: 4:00 p.m. To: 12:00 p.m.				
From	To	Hole Made	Hole Size	Formation

DRILLING STRING

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

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

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed

Bit Serial No. Table R.P.M.

Jet or Conventional - Nozzle Size

SURVEYS

Kind at Ft. Deg. off

MUSH PUMP RECORD

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

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS

CORING

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

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
TEAR OUT Rig	1200	800	5

Driller T. Wiggett

Driller W. Gooch

Driller

CLASSES OF TIME BREAKDOWN

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

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 Louis Stock Approved by E. Langevin

Form 34402 (300 bks.-10-64)-P.P.Co. FOE CLARE F 79-67-10-15 3-00

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 77

LSD..... SEC..... TWN..... RGE..... W..... Contractor PETER BAWDEN Type Rig 64B Oilwell Month June 20 Day 20 1965

	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
	8286 TD	8286 TD	
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 COLLAR DATA: Number / OD / ID / Length; INDICATOR WEIGHT OF TOTAL: DRILLING STRING / DRILL COLLARS	DRILL COLLAR DATA: Number / OD / ID / Length; INDICATOR WEIGHT OF TOTAL: DRILLING STRING / DRILL COLLARS	DRILL COLLAR DATA: Number / OD / ID / Length; INDICATOR WEIGHT OF TOTAL: 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 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
	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
MUSH PUMP RECORD No. 1 No. 2	HOURS: On Line / Circulating; Pump Press; Length of Pump Stroke; Strokes Per Min.; Liner Size	HOURS: On Line / Circulating; Pump Press; Length of Pump Stroke; Strokes Per Min.; Liner Size	HOURS: On Line / Circulating; Pump Press; Length of Pump Stroke; Strokes Per Min.; Liner Size
MUD RECORD	Time / Visc. / Wt. / W L / pH / ADDITIVES — POUNDS	Time / Visc. / Wt. / W L / pH / ADDITIVES — POUNDS	Time / Visc. / Wt. / W L / pH / ADDITIVES — POUNDS
	Plug #2 5140. 58#0. 70 sks Cmt Displaced 1 45 pm	Top Plug # 2 - 5690 9.3 ppm. plug # 3 800. 900. 100 sks Displaced 12 45 pm Fed 8 hrs	Top of plug # 3. 790 11 pm Plug # 4 5 sks on Top of Casing Cut off welded on Plate.
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.
			Rig released 11 30 pm
DETAIL OF OPERATIONS AND REMARKS	From / To / Hrs.	From / To / Hrs.	From / To / Hrs.
	Run Plug 2 # 1200 115 1 1/4	Service rig 800 815 1/4	WOC & tear out rig 400 700 3
	Hoist & Lay Down 80 Sngls 115 500 4 3/4	Lay down drill pipe 815 1130 3 1/4	Fill plug 3 # 700
	WOC 500 800 3	Run in 10 stands & rig plug & 3 & pull out of hole 1130 100 1 1/2	& Lay Down Pipe 900 2
		WOC, tear out BOP's & clean mud tanks 100 400 3	Tear out Rig 900 1200 3
	Driller T Wiggett	Driller	Driller T Wiggett

CLASSES OF TIME BREAKDOWN

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

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 Louis Abel Approved by .....

Form 34402 (300 bks.-10-64)-P.P.Co. IOE CLARE F-19-67-10-13W3 **IMPERIAL OIL LIMITED** DAILY DRILLING REPORT No. 76

LSD..... SEC..... TWN..... RGE..... W..... Contractor PETER BAWDEN Type Rig 64B Oilwell Month June Day 19 1965

	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: 8286 To: TD	From: 8286 To: TD	From: 8286 To:
	Hole Made:	Hole Made:	Hole Made:
	Hole Size:	Hole Size:	Hole Size:
	Formation:	Formation:	Formation:
DRILLING STRING	Size-D.P.:	Size-D.P.:	Size-D.P.:
	Stands:	Stands:	Stands:
	Singles:	Singles:	Singles:
	Kelly:	Kelly:	Kelly:
	Drill. Collar Ft.:	Drill. Collar Ft.:	Drill. Collar Ft.:
	Core Bbl. Ft.:	Core Bbl. Ft.:	Core Bbl. Ft.:
	DRILL COLLAR DATA: Number / OD / ID / Length	DRILL COLLAR DATA: Number / OD / ID / Length	DRILL COLLAR DATA: Number / OD / ID / Length
	INDICATOR WEIGHT OF TOTAL: DRILLING STRING / DRILL COLLARS	INDICATOR WEIGHT OF TOTAL: DRILLING STRING / DRILL COLLARS	INDICATOR WEIGHT OF TOTAL: 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 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
	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
MUSH PUMP RECORD No. 1 No. 2	HOURS: On Line / Circulating; Pump Press; Length of Pump Stroke; Strokes Per Min.; Liner Size	HOURS: On Line / Circulating; Pump Press; Length of Pump Stroke; Strokes Per Min.; Liner Size	HOURS: On Line / Circulating; Pump Press; Length of Pump Stroke; Strokes Per Min.; Liner Size
MUD RECORD	Time / Visc. / Wt. / W L / pH / ADDITIVES — POUNDS	Time / Visc. / Wt. / W L / pH / ADDITIVES — POUNDS	Time / Visc. / Wt. / W L / pH / ADDITIVES — POUNDS
			Abandonment plug #1 8286-8236 30 sks Cmt. displaced 11.75m ef.
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.
	Loging w/ Schlumberger 1200 5'15 5 1/4	Run in w/ straddle packer for DST #6 8:00 9:15 1 1/4	Break down + load out tester 4:00 5:30 1 1/2
	Run in 27 STAND 4 1/2 PIPE 5'15	Rig up Testing head + set packer 9:15 9:45 1/2	Trip out w/ tool pipe 5:30 6:00 1/2
	+ pick up + MAKE up 8:00 2 3/4	Testing 9:45 1:00 3 1/4	Put testing tools in storage box 6:00 7:00 1
	DST.	Trip out w/ tester 1:00 4:00 3	Run in open end to run plugs 7:00 12 5
	Driller T Wright	Driller	Driller

CLASSES OF TIME BREAKDOWN

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

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 Louis Abel Approved by E Ferguson

Form 34402 (300 blks.-10-64)-P.P.Co. # 10 CLARE F 79-67-10-1330 **IMPERIAL OIL LIMITED** **DAILY DRILLING REPORT No. 75**

LSD..... SEC..... TWN..... RGE..... W..... Contractor PETER BAWDEN Type Rig 644 B. Oilwell Month June Day 18 19 65

	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: 8286 — Hole Made: — Hole Size: — Formation: —	From: 8286 — To: — Hole Made: — Hole Size: — Formation: —	From: — To: 8286 TD — Hole Made: — Hole Size: — Formation: —
DRILLING STRING	Size-D.P.: — Stands: — Singles: — Kelly: — Drill. Collar Ft.: — Core Bbl. Ft.: —	Size-D.P.: 4½+3½ Stands: 90 Singles: 2 Kelly: 15.89 Drill. Collar Ft.: 30.80 Core Bbl. Ft.: Hunter 8.07	Size-D.P.: — Stands: — Singles: — Kelly: — Drill. Collar Ft.: — Core Bbl. Ft.: —
	DRILL COLLAR DATA — Number: — OD: — ID: — Length: — INDICATOR WEIGHT OF TOTAL DRILLING STRING: — DRILL COLLARS: —	DRILL COLLAR DATA — Number: 1 — OD: 6 — ID: — Length: 30.80 — INDICATOR WEIGHT OF TOTAL DRILLING STRING: 130 M — DRILL COLLARS: —	DRILL COLLAR DATA — Number: — OD: — ID: — Length: — INDICATOR WEIGHT OF TOTAL 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 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 —
	Bit Serial No. — Table R.P.M. — Jet or Conventional - — Nozzle Size —	Bit Serial No. — Table R.P.M. — Jet or Conventional - — Nozzle Size —	Bit Serial No. — Table R.P.M. — Jet or Conventional - — Nozzle Size —
SURVEYS	Kind — at — Ft. — Deg. off	Kind — at — Ft. — Deg. off	Kind — at — Ft. — Deg. off
MUSH PUMP RECORD No. 1 No. 2	HOURS On Line — Circulating — Pump Press — Length of Pump Stroke — Strokes Per Min. — Liner Size	HOURS On Line — Circulating — Pump Press — Length of Pump Stroke — Strokes Per Min. — Liner Size	HOURS On Line — Circulating — Pump Press — Length of Pump Stroke — Strokes Per Min. — Liner Size
MUD RECORD	Time — Visc. — Wt. — W L — pH — ADDITIVES — POUNDS	Time — Visc. — Wt. — W L — pH — ADDITIVES — POUNDS	Time — Visc. — Wt. — W L — pH — ADDITIVES — POUNDS
CORING	From — To — Ft. Cored — Ft. Rec'd. — Core No. — Type Bbl.	From — To — Ft. Cored — Ft. Rec'd. — Core No. — Type Bbl.	From — To — Ft. Cored — Ft. Rec'd. — Core No. — Type Bbl.

DETAIL OF OPERATIONS AND REMARKS

From	To	Hrs.	Operations and Remarks
1200	700	7½	Logging w/ Schlumberger
700	800	1¼	Run in w/ Bit

Driller. T Wiggett

From	To	Hrs.	Operations and Remarks
800	930	1½	Run in to circulate
930	945	¼	Break circulation + rewind rig
945	1030	¾	w/ork plugged bit
1030	1230	2	Circulate @ bit partially plugged
1230	345	3¼	Trip out to log
345	400	¼	Rig to log @ Schlumberger

Driller W Jewell

From	To	Hrs.	Operations and Remarks
400	1200	8	Logging @ Schlumberger

Driller W Jewell + T Wiggett

CLASSES OF TIME BREAKDOWN

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

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 .....

Total Contract Time .....hrs. Total Company Time .....hrs. Toolpusher Louis Abel Approved by E Engman

Form 34402 (300 bks.-10-64)-P.P.Co. 10 E CLARE F 79-67-10-133-00 **IMPERIAL OIL LIMITED** **DAILY DRILLING REPORT No. 14**

LSD..... SEC..... TWN..... RGE..... W..... Contractor PETER BAWDEN Type Rig 64B Oilwell Month June Day 17 19 65

	1st Tour From: 12:00 Midnight To: 8:00 a.m.				
DEPTH	From	To	Hole Made	Hole Size	Formation
		8286		7 7/8	
DRILLING STRING	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
	4½	7540½	609	1589	3080	807
	DRILL COLLAR DATA	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL DRILLING STRING	DRILL COLLARS
		1	6	7 7/8	3080	130,000	
BIT RECORD	No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	Reamed
	Bit Serial No.				Table R.P.M.				
	Jet or Conventional -				Nozzle Size				
SURVEYS	Kind	at	Ft.	Deg. off					
MUSH PUMP RECORD	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size			
No. 1									
No. 2			1100	14	63	5½			
MUD RECORD	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS			
	5:00	100	10.1	5.0	10.5				
CORING	From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.			
DETAIL OF OPERATIONS AND REMARKS			From	To	Hrs.				
	Rig SER		12:00	12:15	¼				
	Run in + pick up 23 JNTS		12:15						
	Break CIR + Clean To BTM			4:00	3¾				
	CIR To Condition hole		4:00	5:30	1½				
	Hoist To Log.		5:30	8:00	2½				

Driller T. Wiggett

	2nd Tour From: 8:00 a.m. To: 4:00 p.m.				
DEPTH	From	To	Hole Made	Hole Size	Formation
	8286				
DRILLING STRING	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
	DRILL COLLAR DATA	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL DRILLING STRING	DRILL COLLARS
BIT RECORD	No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	Reamed
	Bit Serial No.				Table R.P.M.				
	Jet or Conventional -				Nozzle Size				
	Kind	at	Ft.	Deg. off					
	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size			
MUD RECORD	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS			
CORING	From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.			
			From	To	Hrs.				
	Rig to log		8:00	8:15	¼				
	Logging W/ Schlumberger		8:15	4:00	7¾				

Driller A. Lund

	3rd Tour From: 4:00 p.m. To: 12:00 p.m.				
DEPTH	From	To	Hole Made	Hole Size	Formation
	8286				
DRILLING STRING	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
	DRILL COLLAR DATA	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL DRILLING STRING	DRILL COLLARS
BIT RECORD	No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	Reamed
	Bit Serial No.				Table R.P.M.				
	Jet or Conventional -				Nozzle Size				
	Kind	at	Ft.	Deg. off					
	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size			
MUD RECORD	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS			
CORING	From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.			
			From	To	Hrs.				
	Logging W/ Schlumberger		4:00	12:00	8				

Driller A. Lund + T Wiggett

CLASSES OF TIME BREAKDOWN

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

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 Louis Abel Approved by E Langman

Form 34402 (300 bks.-10-64)-P.P.Co. I-OE CLARE F 79-67-10-13 9R **IMPERIAL OIL LIMITED** **DAILY DRILLING REPORT No. 73**

LSD..... SEC..... TWN..... RGE..... W..... Contractor PETER BAWDEN Type Rig 64B. OILWELL Month June Day 16 1965

	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 8226 To 8268 Hole Made 42 Hole Size 7 7/8 Formation	From 8268 To 8286 Hole Made 18 Hole Size 7 13/16 Formation Running	From 8286 To 8286 Hole Made Hole Size Formation
DRILLING STRING	Size-D.P. 4½ Stands 82 Singles 2 Kelly 2017 Drill. Collar Ft. 713.06 Core Bbl. Ft. 38.1	Size-D.P. 4½ Stands 82 Singles 1 Kelly ~~40.00~~ 31.86 Drill. Collar Ft. 682.09 Core Bbl. Ft. 64.36	Size-D.P. Stands Singles Kelly Drill. Collar Ft. Core Bbl. Ft.
	DRILL COLLAR: Number 22 OD 6 ID 2 7/8 Length 683.06	DRILL COLLAR: Number 12 OD 6 ID 2 7/8 Length 682.09	DRILL COLLAR: Number OD ID Length
	INDICATOR WEIGHT OF TOTAL: DRILLING STRING / DRILL COLLARS	INDICATOR WEIGHT OF TOTAL: DRILLING STRING / DRILL COLLARS	INDICATOR WEIGHT OF TOTAL: DRILLING STRING / DRILL COLLARS
	DATA: 1 OD 7 7/8 29.97 160 / 50	DATA: 160 M / 45 M	DATA:
BIT RECORD	No. 64 Type W7J Time On Bottom At 12-PM Time Pulled At 5:00 Total Hours Run 33½ Depth Pulled 8268 Weight On Bit M Pounds 35-40 FOOTAGE Drilled 42 Reamed	No. 2B Type O Time On Bottom At NOON Time Pulled At Total Hours Run Depth Pulled Weight On Bit M Pounds 5-18 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
	Bit Serial No. 64700 Table R.P.M. 50	Bit Serial No. EC4502 Table R.P.M. 65	Bit Serial No. Table R.P.M.
	Jet or Conventional - JETS Nozzle Size 3-13	Jet or Conventional - Nozzle Size	Jet or Conventional - Nozzle Size
SURVEYS	Kind at Ft. Deg. off	Kind TOTCO at 8268 Ft. 4½° Deg. off	Kind at Ft. Deg. off
MUD PUMP RECORD No. 1 / No. 2	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
	1100 14 63 5½	~~125~~ 1250 14 60 5¾	
		14 58 5½	
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
	73 10.1 4.9 10.5 PELTEX 50 #	1:00 72 10.0 6.0 10.5 GEL 800 #	
	72 10.1 5.0 10.5 CAUSTIC 5 #	3:00 85 10.1 10.5 GELEX 25 #	
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.
Rig SER	12:00	12:15	¼
Drlg 7 7/8 hole	12:15	4:00	3¾
CIR TO CORE	4:00	5:00	1
HOIST F/ CORE BBL	5:00	8:00	3

	From	To	Hrs.
Trip out @ bit #64	8:00	8:30	½
Pick up & make up core brl & jars	8:30	9:00	½
Slip & cut 44' drilling line	9:00	10:00	1
Trip in @ core bbl	10	11:30	1½
Circulate core bbl	11:30	12:00	½
Cut core #2 47'	12	2:45	2¾
Trip out @ jammed core bbl	2:45	4:00	1¼

	From	To	Hrs.
Trip out @ jammed core bbl	4:00	6:00	2
Recover core & lay down bbl	6:00	7:00	1
Rig Schlumberger to log	7:00	7:15	¼
Logging (tools hung up)	7:15	9:00	1¾
Ran in 21 D.C + LAY DOWN SAME	9:00	12:00	3

Driller T Wiggett | Driller | Driller A/Bawden & T Wiggett

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 ..... REEL SERIAL No. ..... DID YOU CHECK BLOWOUT PREVENTER EQUIPMENT TODAY

MNFR. OF KELLY HOSE IN USE ..... HOSE SERIAL No. ..... YES ..... NO .....

Total Contract Time .....hrs. Total Company Time .....hrs. Toolpusher Louis Abel Approved by E Ferguson

Form 34402 (300 bks.-10-64)-P.P.Co. I.O.E CLARE F 79-67-10-133-00 **IMPERIAL OIL LIMITED** DAILY DRILLING REPORT No. 12

LSD..... SEC..... TWN..... RGE..... W..... Contractor PETER BAWDEN Type Rig 64B Oilwell Month June Day 15 1965

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

DEPTH

From	To	Hole Made	Hole Size	Formation
8086	8145	~~59~~ 59'	7 7/8	

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4½	73 7/8	2 @ 30	19.57	713.06	3.81

	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
	COLLAR	22	6	2 7/8	683.06	DRILLING STRING	DRILL COLLARS
	DATA	1	7 3/16		29.97	160 000	50 000

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
63	W7J	12:00 n		7¾		40	59	

Bit Serial No. 50564 Table R.P.M. 55

Jet or Conventional - JETS Nozzle Size 3-13

SURVEYS

Kind at Ft. Deg. off

MUD PUMP RECORD

	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
No. 1						
No. 2			1100	14	63	5½

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
	74	5.0	10.1	10	PELTEX 50#
	73	5.0	10.1	10	CAUSTIC 15#
	72	5.1	10.1	10	
	70	5.1	10.1	10	

CORING

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

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
Rig SER	12:00	12:15	¼
Drlg 7⅞ hole	12:15	8:00	7¾
check Kelly Cock on Comm			

Driller T. Wiggett

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

DEPTH

From	To	Hole Made	Hole Size	Formation
8145	8210	65	7⅞	Running

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4½	82	—	23.88	713.06	2 SUBS 3.81

	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
	COLLAR	22	6	2 7/8	683.09	DRILLING STRING	DRILL COLLARS
	DATA	1	7 13/16 □		29.97	160 M	50 M

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
63	W7J	12 MIDN	—	15¾		40-50	124	—

Bit Serial No. 50564 Table R.P.M. 55

Jet or ~~Conventional~~ - Nozzle Size 3X13

Kind Jetco at 8086 Ft. 4½° Deg. off

	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
		8	on tanks	14	58	5½
	7½	~~7~~	1150	14	64	5½

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
8 hour	70	10.1	4.8	10.5	PELTEX 50 #
11 hour	76	10.1	"	"	CAUSTIC 15 #
	75	10.1	4.6	10.5	GEL 600 #
2 hour	75	10.0	4.6	"	PELTEX 25 #
3:30	71	10.0	"	10.5	

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

	From	To	Hrs.
Drill 7⅞" hole	8:00	10:45	2¾
Service rig, check BOPs, repair	10:45	11:15	½
Kelly, work & put derrick pin			
back in derrick leg			
Drill 7⅞" hole	11:15	4:00	4¾

Driller Walter Zimmerli

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

DEPTH

From	To	Hole Made	Hole Size	Formation
8210	8226	16	7⅞	

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4½	82		40.50	713.06	2 SUBS 3.81

	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
	COLLAR	22	6	2 7/8	683.09	DRILLING STRING	DRILL COLLARS
	DATA	1	7 13/16 □		29.97	160 M	50 M

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
63	W7J	[illegible]	6 PM	17¼	8226	40 M	140	—
64	W7J	12 Pm						

Bit Serial No. 50564 46700 Table R.P.M. 55

Jet or ~~Conventional~~ - Nozzle Size 3X13

Kind at Ft. Deg. off

	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
				14	58	5½
			1150	14	64	5½

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
4:00	74	10.1	5.2	10.5	

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

	From	To	Hrs.
Drill 7⅞" hole	4:00	6:00	2
Trip out @ bit # 63	6:00	9:30	3½
Run in w/ B.T	9:30	12:00	2½

Driller W. Zimmerli + T. Wiggett

CLASSES OF TIME BREAKDOWN

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

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 Louis Abel Approved by E. Laquier

Form 34402 (300 bks.-10-64)-P.P.Co. JOE CLARK F 79-67-10-133-00 **IMPERIAL OIL LIMITED** **DAILY DRILLING REPORT No. 71**

LSD..... SEC..... TWN..... RGE..... W..... Contractor PETER BAWDEN Type Rig 643 Oilwell Month June Day 14 1965

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

DEPTH

From	To	Hole Made	Hole Size	Formation
7996	8035	39	7⅞	

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4½	7289.19		2894	713.06	3.81

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
COLLAR	22	6	2¾	683.06	DRILLING STRING	DRILL COLLARS
DATA	1	7⅞		2997	160.000	50.

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
62	YHWGJ	12:00 noon		6½		40	39	19

Bit Serial No. E44152 Table R.P.M. 55

Jet or Conventional - JETS Nozzle Size 3-13

SURVEYS

Kind at Ft. Deg. off

MUSH PUMP RECORD

	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
No. 1						
No. 2			1100	14	63	5½

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
	78	10	4.9	10	PELTEX 50#
	75	10	4.9	10	CAUSTIC 15#
	74	10	4.9	10	
	73	10.1	4.9	10	

CORING

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

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
Rig SER	12:00	12:15	¼
Ream + Clean 30' To BTM	12:15	1:30	1¼
Drlg 7⅞ hole	1:30	8:00	6½

Driller T Wiggett

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

From	To	Hole Made	Hole Size	Formation
8035	8080	45	7⅞	Running

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4½	80	2	14.79	713.06	2 Subs 3.81

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
COLLAR	22	6	2¾	683.06	DRILLING STRING	DRILL COLLARS
DATA	1	7⅞		2997	162 M	50 M

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
62	YHWGJ	1:30AM		14¼		40	84	19

Bit Serial No. E 44152 Table R.P.M. 55

Jet or Conventional - Nozzle Size 3X13

Kind Tetco at 7625 Ft. 5 Deg. off

HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
4	4	750	14	48	5½
4		1150	14	63	5½

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
12 o'clock	73	10	5	10.5	GEL - 400#
2 o'clock	75	10.4	5	10.5	PELTEX 50#
	71	"	"	"	CAUSTIC 15#
					CELLEX 25#

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

	From	To	Hrs.
Service rig, check hilly crank	8:00	8:15	¼
Drill 7⅞" hole	8:15	4:00	7¾

Driller W Innes

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

From	To	Hole Made	Hole Size	Formation
8080	8086	6	7⅞	

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4½	80	2	20.79	713.06	2 Subs 3.81

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
COLLAR	22	6	2¾	683.06	DRILLING STRING	DRILL COLLARS
DATA	1	7⅞		2997	162 M	50 M

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
62	YHWGJ		5:45PM	16¼	8086	50 M	90	19
63	WTJ	12:00						

Bit Serial No. E 44152 50564 Table R.P.M. 55

Jet or Conventional - Nozzle Size 3X13

Kind Totco at 8086 Ft. 4½ Deg. off

HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
			14	58	5½
		1150	14	64	5½

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
5:00	84	10	5.2	10.5	CAUSTIC 15#
7:00	73	10		10.5	PELTEX 50#

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

	From	To	Hrs.
Drill 7⅞" hole	4:00	5:45	1¾
Rig service + survey	5:45	6:00	¼
Trip out of bit #62	6:00	9:15	3¼
Slip & Cut 50' drlg line	9:15	10:00	¾
Running in w/ Bit #63	10:00	12:00	2

Driller W Innes & T. Wiggett

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 ..... 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 Louis Abel Approved by S. E. Torgerson

Form 34402 (300 bks.-11-62) I-O-E CLARE F-79-67-10-153-00 **IMPERIAL OIL LIMITED** DAILY DRILLING REPORT No. 70

LSD..... SEC..... TWN..... RGE..... W..... Contractor PETER BAWDEN Type Rig 66B Oriwell Month June Day 13 19 65

	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 7954 / To 7977 / Hole Made 23 / Hole Size 7 7/8 / Formation	From 7977 / To 7988 / Hole Made 11 / Hole Size 7 7/16 / Formation	From 7988 / To 7996 / Hole Made 8 / Hole Size 7 7/16 / Formation
DRILLING STRING	Size-D.P. 4 1/2 / Stands / Singles / Kelly / Drill. Collar Ft. 713.06 / Core Bbl. Ft. 3.81	Size-D.P. 4 1/2 / Stands 79 / Singles 2 / Kelly 12.69 / Drill. Collar Ft. 713.06 / Core Bbl. Ft. 2 subs 3.81	Size-D.P. 4 1/2 / Stands 79 / Singles 2 / Kelly 21.69 / Drill. Collar Ft. 713.06 / Core Bbl. Ft. 2 subs 3.81
	DRILL COLLAR: Number 22, OD 6, ID 2 7/8, Length 683.06 — INDICATOR WEIGHT OF TOTAL: DRILLING STRING / DRILL COLLARS	DRILL COLLAR: Number 22, OD 6, ID 2 7/8, Length 683.06 — DRILLING STRING / DRILL COLLARS	DRILL COLLAR: Number 22, OD 6, ID 2 7/8, Length 683.06 — DRILLING STRING 160 M / DRILL COLLARS 50 M
	DATA: 1, OD 7 7/16 □, Length 29.97, DRILLING STRING 160, DRILL COLLARS 50	DATA: 1, OD 7 7/16 □, Length 29.97, DRILLING STRING 158 M, DRILL COLLARS 50 M	DATA: 1, OD 7 7/16 □, Length 29.97
BIT RECORD	No. 61 / Type YHWG / Time On Bottom At 9:00 am / Time Pulled At 4:00 p.m. / Total Hours Run 19 / Depth Pulled 7977 / Weight On Bit M Pounds 40-50 / FOOTAGE Drilled 107 / Reamed	No. 59RR / Type □ / Time On Bottom At 12:45 PM / Time Pulled At / Total Hours Run 3 3/4 / Depth Pulled / Weight On Bit M Pounds 10-18 / FOOTAGE Drilled 11 / Reamed	No. 59RR / Type ◇ / Time On Bottom At 2:15 PM / Time Pulled At 6:45 PM / Total Hours Run 6 1/2 / Depth Pulled 7996 / Weight On Bit M Pounds 30-40 / FOOTAGE Drilled 19 / Reamed
	Bit Serial No. EH4154 / Table R.P.M. / Jet or Conventional - JET / Nozzle Size 3-13	Bit Serial No. EC 6505 / Table R.P.M. 50-100 / Jet or Conventional - / Nozzle Size	No. 61 YHWG — Bit Serial No. EC 6505 EH4152 / Table R.P.M. 80 / Jet or Conventional - JET / Nozzle Size 3-13
SURVEYS	Kind / at / Ft. / Deg. off	Kind 7625 at 7977 Ft. 5° Deg. off	Kind / at / Ft. / Deg. off
MUD PUMP RECORD	HOURS: On Line / Circulating; Pump Press; Length of Pump Stroke; Strokes Per Min.; Liner Size	HOURS: On Line 3 3/4 / Circulating 8; Pump Press on tank / 1150; Length of Pump Stroke 14 / 14; Strokes Per Min. 58 / 63; Liner Size 5 1/2 / 5 1/2	HOURS: On Line / Circulating; Pump Press on tank; Length of Pump Stroke 14; Strokes Per Min. 68; Liner Size 5 1/2
No. 1			
No. 2	11.00 / 14 / 63 / 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
	69 / 10 / 5.0 / 10.5 / GEL 400 lbs	10 o'clock / 79 / 10.1 / 4.4 / 10.5 / PELTEX 50 lbs	5.00 / 84 / 10.2 / 5.8 / 10.5 / PELTEX
	70 / 10 / 5.0 / 10.5 / PELTEX 50 lbs	4 o'clock / 78 / 10.1 / / 10.5 / CAUSTIC 15 lbs	/ / / / / CAUSTIC.
	/ / / / / CAUSTIC 15 lbs	/ / / / / CELLEX 25 lbs	
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.	Operations
1200	1215	1/4	Rig SER
1215	400	3 3/4	Drlg 7 7/8 hole
400	700	3	Hoist Bit & Up
700	800	1	Slip & Cut Drlg line
800	900	1	Slip cut drilling line, servicing rig, check BOP's & Kelly cock.
900	1100	2	Run in ◇ bit # 56 RR
1100	1215	1 1/4	Circulate ◇ bit & clean 2' to btm
1215	400	3 3/4	Drill 7 7/16" hole
400	645	2 3/4	Drill 7 13/16" hole
645	700	1/4	Trip out @ bit # 59 RR
700	715	1/4	Rig SER & BOP
715	1000	2 3/4	Tripping

Driller T. Wiggett / Driller W. Dunn / Driller W. Dunn & T. Wiggett

CLASSES OF TIME BREAKDOWN

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

MNFR. DRILLING LINE IN USE ..... REEL SERIAL No. .....
MNFR. OF KELLY HOSE IN USE ..... HOSE SERIAL No. .....
DID YOU CHECK BLOWOUT PREVENTER EQUIPMENT TODAY YES ✓ NO .....

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

Form 34402 (300 bks.-11-62) E OF CLARE E19-67-10-133 00

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 69

LSD..... SEC..... TWN..... RGE..... W..... Contractor PETER BAWDEN Type Rig 64 B. Oilwell Month June Day 12 19 63

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

DEPTH

From	To	Hole Made	Hole Size	Formation
7864	7870	9	7 7/8	

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4 1/2	76	1	15 19	713.06	3.81

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
COLLAR	22	6	2 7/8	683.06	DRILLING STRING	DRILL COLLARS
DATA	1	7 3/16		29.97	162 000	50

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
60	OWB23	10.45	3:15	4 1/4	7870	48	13	
61	YHWG							

Bit Serial No. 30462 E44154 Table R.P.M. 50

Jet or Conventional - JET Nozzle Size 3-13

SURVEYS

Kind at Ft. Deg. off

MUD PUMP RECORD

	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
No. 1						
No. 2		400	1100	14	63	5 1/2

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
1:00	9.6	9.9	5.4	10.5	PELTEX 50#
3:00	71	9.9	-	-	CAUSTIC 12#

CORING

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

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
Rig SER	12:00	12:15	1/4
Drlg 7 7/8 hole	12:15	3:15	3
Trip F/BIT	3:15	8:00	4 3/4

Driller T. Wiggett

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

From	To	Hole Made	Hole Size	Formation
7870	7905	35	7 7/8	Pinning

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4 1/2	78	2	21.03	713.06	2 SUBS 3.81

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
COLLAR	22	6	2 7/8	683.06	DRILLING STRING	DRILL COLLARS
DATA	1	7 3/16 D		29.97	160 M	50 M

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
61	YHWGJ	9:00AM		5 1/2		45M	35	5'

Bit Serial No. E44154 Table R.P.M. 50

Jet or ~~Conventional~~ - Nozzle Size 3x13

Kind Tetco at 7825 Ft. 5 Deg. off

	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
		8	on tank	14	58	5 1/2
	7		1100	14	64	5 1/2

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
~~1:00~~		10			Peltex 100#
~~4:00~~		9.9			Caustic 25#
11:00	71	10	5.0	10.2	Gel 400#
1:00	69	9.9	5.0	10.3	
7:00	72	9.9	4.7	10.5	

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

	From	To	Hrs.
Service rig, check BOP's + kelly cock	8:00	8:30	1/2
Trip in Hole + Bit #61	8:30	9:00	1/2
Ream to bottom	9:00	10:30	1 1/2
Drill 7 7/8" hole	10:30	4:00	5 1/2

Driller W. L. Dewell

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

From	To	Hole Made	Hole Size	Formation
7905	7954	49	7 7/8	Pinning

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4 1/2	79		40 50	213.06	2 SUBS 3.81

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
COLLAR	22	6	2 7/8	683.06	DRILLING STRING	DRILL COLLARS
DATA	1	7 3/16 D	-	29.97	160 M	50 M

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
61	YHWG	19:00		13 1/4		50M	84	

Bit Serial No. E44154 Table R.P.M. 50

Jet or ~~Conventional~~ - Nozzle Size 3x13

Kind at Ft. Deg. off

	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
			on tank	14	58	5 1/2
			1100	14	64	5 1/2

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
10 o'clock	75	9.9	5.5		Peltex 20 15#
8 o'clock	66		"	10.5	
4 o'clock	69	10	4.2	10.5	Caust. + Gel 300#
11 o'clock	70	10	5.2	10.5	

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

	From	To	Hrs.
Drill 7 7/8" hole	4:00	7:00	3
Service rig + change oil in draworks	7:00	7:15	1/4
Drill 7 7/8" hole	7:15	12:00	4 3/4

Driller W. L. Dewell & T. Wiggett

CLASSES OF TIME BREAKDOWN

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

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 Louis Abel Approved by K. Ingerson

Form 34402 (300 bks.-11-62) LOE CABRE F79-67-10-133-00 **IMPERIAL OIL LIMITED** **DAILY DRILLING REPORT No. 68**

LSD..... SEC..... TWN..... RGE..... W..... Contractor PETER BAWDEN Type Rig 64R Oilwell Month JUNE Day 11 19 65

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

DEPTH

From	To	Hole Made	Hole Size	Formation
7825	7850	25	7 7/8	

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4½	78		26.43	713.06	3.81

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
					DRILLING STRING	DRILL COLLARS
COLLAR	22	6	2 7/16	683.06		
DATA	1	7 7/8		29.97	157,000	50,000

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
59	◊	1:45		6¼		14-18	25	

Bit Serial No. EC6505 Table R.P.M. 95

Jet or Conventional - Nozzle Size

SURVEYS

Kind at Ft. Deg. off

SLUSH PUMP RECORD

HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
		1100	14	63	5½

No. 1
No. 2

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
1.30	105	10.1			CAUSTIC SODA 25#
3.00	75	10.0	4.8	10.5	PELTEX 100#
5.00	64	10.0	-	-	GEL 700#
7.00	67	10.0	5.2	10.5	
		CLEANED SHAKER TANK			

CORING

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

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
Run in w/ ◊ Bit	12:00	1:00	1
Rig SER	1:00	1:15	¼
~~Drlg w/ ◊ Bit~~	~~1:15~~		
REAMING & CLEANING TO BTM	1:15	1:45	½
Drlg w/ ◊ Bit	1:45	8:00	6¼

Driller T. Wiggett

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

DEPTH

From	To	Hole Made	Hole Size	Formation
7850	7857	7	7 7/16	

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4½	78	-	33.43	713.06	2 SUBS 3.81

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
					DRILLING STRING	DRILL COLLARS
COLLAR	22	6	2 7/8	683.06		
DATA	1	7 7/16 □		29.97	158M	50M

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
59	◊	1:45 AM	11:45	10	7857	14-20	32	

Bit Serial No. EC 6505 Table R.P.M. 95

~~Jet~~ or Conventional - ◊ Nozzle Size —

Kind Tricone at 7825 Ft. 5 Deg. off

SLUSH PUMP RECORD

HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
		on Centre	14	58	5½
1150		1150	14	63	5½

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
9:00	72	10	5.6	10.3	Caustic 25#
11:00	71	10	5.6	10.3	Peltex 100#
					Caustic 25#

CORING

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

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
Drilling 7⅞" hole	8:00	11:45	3¾
Trip out @ bit # 59 Dimond	11:45	4:00	4¼

Driller [illegible]

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

DEPTH

From	To	Hole Made	Hole Size	Formation
7857	7861	4	7¾	

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4½	78		33.43	713.06	3.81

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
					DRILLING STRING	DRILL COLLARS
COLLAR	22	6	2 7/8	683.06		
DATA	1	7 7/8		29.97	162,000	50

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
60	[illegible]	10:45		1¼		35	4	90

Bit Serial No. 30462 Table R.P.M. 50

Jet or Conventional - Nozzle Size 3x13

Kind at Ft. Deg. off

SLUSH PUMP RECORD

HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
				54	
		1100	14	52	5½

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
10:00	70	9.9	4.4	10.5	25# CAUSTIC
					200# GEL
					100 PELTEX

CORING

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

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
Service rig & check BOP's	4:00	4:15	¼
Run in DC's	4:15	4:45	½
Slip & cut 44' drilling line	4:45	5:45	1
Trip in @ bit # 60	5:45	7:45	2
REAM 90' TO B.TM	7:45	10:45	3
Drlg 7⅞ hole	10:45	12:00	1¼

Driller [illegible]

CLASSES OF TIME BREAKDOWN

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

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 [illegible] Approved by [illegible]

Form 34402 (300 bks.-11-62) LOE CLARE F19-67-10-133-00

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 67

LSD..... SEC..... TWN..... RGE..... W..... Contractor PETER BAWDEN Type Rig OILWELL 648 Month June Day 10 19 65

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

DEPTH

From	To	Hole Made	Hole Size	Formation
7731	7771	36	7⅞	TOUCH

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4½	77	1	13.33	713.06	3.81

	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
DRILL COLLAR	22	6	2¼	683.06	DRILLING STRING	DRILL COLLARS
DATA	1	7 13/16		29.97	160	50 000

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
58	W7-J	1:15		6¾		50	36	

Bit Serial No. 50566 Table R.P.M.

Jet or Conventional - JET Nozzle Size 3-13

SURVEYS

Kind at Ft. Deg. off

MUD PUMP RECORD

	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
No. 1						
No. 2			1100	14	62	5½

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
1:30	120	10.1	4.6	10.5	CAUSTIC 25#
3:00	86	10.1	—	10.5	PELTEX 100#
5:00	79	10.1	—	10.5	
7:00	77	10.1	5.0	10.5	

CLEANED #2 MUD TANK

CORING

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

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
Rig Ser + BOP	12:00	12:15	¼
Run in w/ BIT 58	12:15	1:15	1
Drlg 7⅞ Hole	1:15	8:00	6¾

Driller T. Wright

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

DEPTH

From	To	Hole Made	Hole Size	Formation
7771	7825	54	7⅞	

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4½	77	2	31.83	713.06	3.81

	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
DRILL COLLAR	22	6	2¼	683.06	DRILLING STRING	DRILL COLLARS
DATA	1	7 1/16		29.97	160 M	50 M

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
58	W7-J	1:15 AM	3:30	13¼	7825	50	87	

Bit Serial No. 50566 Table R.P.M. 80

Jet or Conventional - Nozzle Size 3X13

SURVEYS

Kind Totco at 7650 Ft. ½ Deg. off

MUD PUMP RECORD

	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
No. 1	7½	6	1100	14	64	5½
No. 2						

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS

CORING

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

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
Drill 7¾" hole	8:00	12:00	4
Service rig, check kelly cock	12:00	12:30	½
BOP's + set up Baker			
Drill 7¾" hole	12:30	3:30	3
Survey	3:30	3:45	¼
Trip out @ bit # 58	3:45	4:00	¼

Driller W. Smith

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

DEPTH

From	To	Hole Made	Hole Size	Formation
7825	7825	0	7⅞	

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4½	77	2	31.83	713.06	3.81

	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
DRILL COLLAR	22	6	2¼	683.06	DRILLING STRING	DRILL COLLARS
DATA	1	7 13/16		29.97	160	50

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
59	◇							

Bit Serial No. EC650 Table R.P.M.

Jet or Conventional - Nozzle Size

SURVEYS

Kind Totco at 7825 Ft. ¼ Deg. off

MUD PUMP RECORD

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

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS

CORING

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

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
Drop out @ bit # 58 - measure out	4:00	7:30	3½
Service rig, check BOP's	7:30	8:00	½
TRIP IN W/ DIAMOND BIT + COLLARS	8:00	8:30	½
CUT + SLIP DRILL LINE	8:30	9:15	¾
TRIPPING IN W/ DIAMOND BIT	9:15	10:30	1¼
DRILL LINE NOT SPOOLING; CUT + SLIP DRILL LINE	10:30	11:15	¾
TRIP IN W/ DIAMOND BIT	11:15	12:00	¾

Driller W. Smith T. Wright

CLASSES OF TIME BREAKDOWN

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

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 Louis Abel Approved by K. E. Ingamar

Form 34402 (300 bks.-11-62) JOE CLARKE F 79-67-10-133-00 **IMPERIAL OIL LIMITED** DAILY DRILLING REPORT No. 16

LSD..... SEC..... TWN..... RGE..... W..... Contractor PETER BAWDEN Type Rig 64B Oilwell Month June Day 9 19 65

	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
	7650	7706	56	7⅞		7706	7738	32	7⅞		7738	7735	0	7⅞	
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.
	4½	76	1	35.85	713.06	5485 3.81	4½	76	2	36.85	713.06	2 stds 3.81	4½	76	2	36.85	713.06	3.81
	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	22	6	2¼	683.06	DRILLING STRING / DRILL COLLARS	COLLAR	22	6	2¼	683.06	DRILLING STRING / DRILL COLLARS	COLLAR	22	6	2¼	683.06	DRILLING STRING / DRILL COLLARS
	DATA	1	7⅞		29.97	156.000 / 50.000	DATA	1	7⅞		29.97	/ 50M	DATA	1	7⅞		29.97	156 / 50
BIT RECORD	No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed	No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed	No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
	57	W7-J	4:30 pm		7½		50	56		57	W7-J	12:30 AM	2:00 PM	13½	7738	50	88		58	W7							
	Bit Serial No. 49931				Table R.P.M. 185		Bit Serial No. 49931				Table R.P.M. 80		Bit Serial No. 50566				Table R.P.M.	
	Jet or Conventional - JET				Nozzle Size 3-13		Jet or ~~Conventional~~ -				Nozzle Size 3-13		Jet or ~~Conventional~~ -				Nozzle Size 3x13	
SURVEYS	Kind	at	Ft.	Deg. off		Kind TOTCO	at 7650	Ft.	5°	Deg. off	Kind	at	Ft.	Deg. off	
MUD PUMP RECORD No. 1 No. 2	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
									on mud tank	14	58	5½						
										14	64	5½						
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	70	10.1	4.8	10.5	CAUSTIC 25#												
	3.00	75	10.1	-	-	RELTEX 10.0#												
	5.00	73	10.1	5.0	10.5	GEL 500#												
	7.00	71	10.1	-	-													
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.
	Run in w/ Bit		12:00	12:15	¼		Service rig, check Kelly cock	8:00	8:15	¼			Trip out w/ bit #57		4:00	4:30		
	Rig SER		12:15	12:30	¼		+ BOP's + set up brake.						Service rig, check BOP's	4:30	5:00	½		
	Drlg 7⅞ hole		12:30	8:00	7½		Drill 7⅞" hole	8:15	2:00	5¾			Run in DC's	5:00	5:15	¼		
							Trip out w/ bit #57	2:00	4:00	2			Slip + cut 44' drilling line + change brake blocks	5:15	6:30	5¼		
													Run in w/ BIT #58	6:30	12:00	1½		
	Driller T. Wiggett						Driller						Driller T. Wiggett					

CLASSES OF TIME BREAKDOWN

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

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 .....

Total Contract Time .....hrs. Total Company Time .....hrs. Toolpusher Louis Ahl Approved by R. Longeuay

Form 34402 (300 bks.-11-62)

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 65

LSD. JOE CLARK F-79-67-10-133-00 SEC. TWN. RGE. W. Contractor PETER BAWDEN Type Rig 64B Oilwell Month June Day 2 19 65

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

DEPTH

From	To	Hole Made	Hole Size	Formation
7530	7560	30	7 7/8	

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4½	75		1237	713.06	3.81

	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
					DRILLING STRING	DRILL COLLARS
DRILL COLLAR	22	6	2 7/8	683.06		
DATA	1	T 7 3/16		29.97	152 M	50.000

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
55	GWTJ	10 AM	1:00 PM	15	7537	6	90	
56	VH J	5:15 AM		2 3/4		45	23	

Bit Serial No. 505H9 E15361 Table R.P.M. 80

Jet or Conventional - JET Nozzle Size 3-13

SURVEYS

Kind at Ft. Deg. off

MUD PUMP RECORD

	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
No. 1						
No. 2			1100	14	62	5½

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
1.00	76	10.4	5.0	10.5	CAUSTIC 15#
3.00	F	R			PELTEX 50#
5.00			1	P	
7.00	86	10.1	5.4	10.5	

CORING

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

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
Drlg 7⅞ hole	12:00	1:00	1
Rig Ser.	1:00	1:15	¼
Trip F/ Bit	1:15	5:15	4
Drlg 7⅞ hole	5:15	8:00	2¾

Driller T. Wiggett

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

DEPTH

From	To	Hole Made	Hole Size	Formation
7560	7626	66	7 7/8	

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly in	Drill. Collar Ft.	Core Bbl. Ft.
4½	75	2	16.32	713.06	2 SUBS 3.81

	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
					DRILLING STRING	DRILL COLLARS
DRILL COLLAR	22	6	2 7/8	683.09		
DATA	1	T 7 3/16 D		29.97	152 M	50 M

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
56	VH-J	5:05AM				45 M	99	—

Bit Serial No. E 15361 Table R.P.M. 80

Jet or ~~Conventional~~ - Nozzle Size 3x13

Kind TOTCO at 7370 Ft. 6° Deg. off

SURVEYS

MUD PUMP RECORD

	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
		8	1100	14	58	5½
	7¾		1100	14	64	5½

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
9:00	77	10	5.0	10.5	Peltex 100#
11:00	74	10.1	5.0	10.5	Caustic 25#
1:00	71	10.1	5.1	10.5	Caustic 25#
3:00	72	10.1	4.8	10.5	

CORING

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

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
Drilling 7⅞" hole	8:00	11:00	3
Service rig, swivel, kelly cock + check BOP's	11:00	11:15	¼
Drill 7⅞" hole	11:15	4:00	4¾

Driller

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

DEPTH

From	To	Hole Made	Hole Size	Formation
7626	7650	24	7 7/8	

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4½	75	2	42.32	713.06	2 SUBS 3.81

	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
					DRILLING STRING	DRILL COLLARS
DRILL COLLAR	22	6	2 7/8	683.09		
DATA	1	T 7 3/16 D		29.97	150 M	50 M

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
56	VH-J	5:05AM	7:00	14	7650	50 M	113	
57	VH-J	7:00AM						

Bit Serial No. 15361 49931 Table R.P.M. 80

Jet or ~~Conventional~~ - Nozzle Size 3x13

Kind TOTCO at 7650 Ft. 5° Deg. off

SURVEYS

7 13/16 Tulip 1 1/2 Inch 7 11/16
7 12/16 Dec. From

MUD PUMP RECORD

	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
				14	58	5½
			1100	14	67	5½

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
10 PM	71	10.2	4.8	10.2	Peltex 100#
					Caustic 15#
					Gel 300#

CORING

From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.
7 13/16	Tulip	Same		1 1/2 Inch	7 11/16
7 12/16	Dec. From				

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
Drill 7⅞" hole	4:00	7:30	3½
Service rig	7:30	7:45	¼
Trip out of hole # 56	7:45		
Trip F/ Bit		12:00	4¼

Driller T. Wiggett

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:

REAMING: CIRCULATING: CORING: D.S. TESTING: RIG REPAIRS: CONDITION HOLE: LOST CIRC.: MNFR. OF KELLY HOSE IN USE ____ HOSE SERIAL No. ____

DID YOU CHECK BLOWOUT PREVENTER EQUIPMENT TODAY YES ____ NO ____

Total Contract Time ____ hrs. Total Company Time ____ hrs. Toolpusher ____ Approved By Engineer

Form 34402 (300 bks.-11-62) 19-67-10-133-08 I 06 CLARKE

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 64

LSD..... SEC..... TWN..... RGE..... W..... Contractor PETER BAWDEN Type Rig 64B OILWELL Month Jan. Day 7 19 65

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

DEPTH

From	To	Hole Made	Hole Size	Formation
7425	7447	22	7 7/8	

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4½	73	2	1958	713.06	381

	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
DRILL COLLAR	22	6	2 7/8	683.06	DRILLING STRING	DRILL COLLARS
DATA	1	7 7/16		2997	157	50

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
54	XHJ	1:45 PM	4:45 AM	13½	7441	41	99	
55	W7J							

Bit Serial No. E1323 50549 Table R.P.M. 80

Jet or Conventional - JETS Nozzle Size 3-13

SURVEYS

Kind at Ft. Deg. off

MUD PUMP RECORD

	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
No. 1						
No. 2			1100	14	63	5½

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
1.00	67	10.0	5.2	10.5	CAUSTIC 25#
3:00	76	10.0	—	—	PELTEX 100#
					GEL 500#

CORING

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

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
R.G SER	12:00	12:30	½
D/g 7⅞ hole	12:30	4:45	4¼
Hoist F/ Bit	4:45	7:00	2¼
S/p & Cut 114 D/g line	7:00	7:30	½
Run in	7:30	8:00	½

Driller T. Wiggett

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

DEPTH

From	To	Hole Made	Hole Size	Formation
7447	7485	38	7 7/8	

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4½	74	—	2685	713.06	2 SUBS 3.81

	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
DRILL COLLAR	22	6	2 5/8	683.06	DRILLING STRING	DRILL COLLARS
DATA	1	7 7/16 □		2997	152 M	50 M

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
55	W7J	1:30 AM		6		45M	38	

Bit Serial No. 50549 Table R.P.M. 80

Jet or ~~Conventional~~ - Nozzle Size 3X13

Kind Tetco at 7370 Ft. 6° Deg. off

SURVEYS

MUD PUMP RECORD

	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
	8		—	14	57	5½
	6		1100	14	63	5½

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
11.00	75	9.9	4.8	10.5	Peltex 100 lb
1.00	74	10	5.0	10.5	Caustic 25#
3:00	72	10	5.0	10.5	Gilsonite 25#

CORING

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

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
Serv rig, check BOP's, check motor, Kut'ella + Kelly cock	8:00	8:30	½
Run in @ 7⅛" bit + 55	8:30	10:00	1½
Drill 7⅞" hole	10:00	4:00	6

Driller W Hunt

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

DEPTH

From	To	Hole Made	Hole Size	Formation
7485	7530	45	7 7/8	

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4½	74	2	1274	713.06	2 SUBS 3.81

	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
DRILL COLLAR	22	6	2 5/8	683.06	DRILLING STRING	DRILL COLLARS
DATA	1	7 7/16 □	—	2997	152 M	50 M

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
55	W7J	10:00 PM		14		48	83	

Bit Serial No. 50549 Table R.P.M. 80

Jet or ~~Conventional~~ - Nozzle Size 3X13

Kind at Ft. Deg. off

SURVEYS

MUD PUMP RECORD

	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
			on tank	14	58	5½
			1100	14	63	5½

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
4 o'clock	80	10	5.0	10-5	CAUSTIC - 25#
7 o'clock	74	11	11	11	PELTEX - 100#
8 o'clock	75	10	6	10-5	GEL - 300#
12:00	76	11	11	11	

CORING

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

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
Drill 7⅞" hole	4:00	12:00	8

Driller W Hunt T. Wiggett

CLASSES OF TIME BREAKDOWN

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

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 Louis Bell Approved by E Ingman

Form 34402 (300 bks.-11-62) JOE CLARE F-79-67-10-133-00

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 63

LSD..... SEC..... TWN..... RGE..... W..... Contractor: PETER BAWDEN Type Rig 64B O.I.W.A.L. Month June Day 6 19 65

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

DEPTH

From	To	Hole Made	Hole Size	Formation
7330	7368	38	7 7/8	

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4½	72	2	31.05	713.06	3.81

	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
	COLLAR	22	6	2 7/8	683.06	DRILLING STRING	DRILL COLLARS
	DATA	1	7 7/8 □		29.97	150	50

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
53	W-7J	7:00a		12 3/4		48	68	

Bit Serial No. 46716 Table R.P.M. 80

Jet or Conventional - JETS Nozzle Size 3-12

SURVEYS

Kind at Ft. Deg. off

MUD PUMP RECORD

	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
No. 1						
No. 2			1300	14	63	5½

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
1:00	135	10.0	5.2	10.5	CAUSTIC 25 #
3:00	75	10.0	-	-	PELTEX 50 #
5:00	74	10.0	5.0	10.5	
7:00	72	10.0	5.4	10.5	

CORING

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

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
Rig SER	000	12:15	¼
Drlg 7⅞ hole check Kelly Cock Run Log	12:15	8:00	7¾

Driller T. Wiggett

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

DEPTH

From	To	Hole Made	Hole Size	Formation
7368	7380	12	7 7/8	

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4½	73	-	13.84	713.06	3.81

	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
	COLLAR	22	6	2 7/8	683.06	DRILLING STRING	DRILL COLLARS
	DATA	1	7 7/8 □		29.97	150M	50M

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
53	W7J	7:00	8:30	13¼	7370	48	70	
54	YH-J	1:45		2¼			10	

Bit Serial No. 46716 - E 15363 - 3x13 Table R.P.M. 80

Jet or ~~Conventional~~ - Nozzle Size 3x12

SURVEYS

Kind Totco at 7370 Ft. 6° Deg. off

MUD PUMP RECORD

	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
~~No. 1~~		on tour		14	56	5½
No. 2			1200	14	63	5½

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS

CORING

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

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
Drill 7⅞" hole	800	830	½
Survey, service rig & check BOP's	830	900	½
Trip out bit #53	900	1130	2½
Trip in Q bit #54	1130	130	2
Break circulation	130	145	¼
Drill 7⅞" hole	145	400	2¼

Driller [illegible]

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

DEPTH

From	To	Hole Made	Hole Size	Formation
7380	7425	45	7⅞	

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4½	73	1	28.33	713.06	3.81

	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
	COLLAR	22	6	2 7/8	683.06	DRILLING STRING	DRILL COLLARS
	DATA	1	7 7/8 □		29.97	152 M	50 M

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
54	YH-J	1:45PM		9¼	-	48	55	

Bit Serial No. E 15363 Table R.P.M. 80

Jet or ~~Conventional~~ - JET Nozzle Size 3x13

SURVEYS

Kind at Ft. Deg. off

MUD PUMP RECORD

	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
				14	56	5½
		~~Hole~~	1100	14	63	5½

MUD RECORD

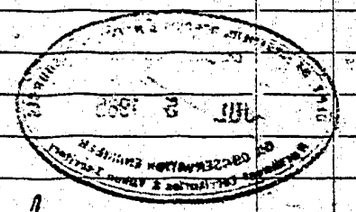
Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
4 o'clock	71	9.8	5.6	10.5	GEL 300 #
7 o'clock	64	9.9	5.6	10.5	CAUSTIC 25 #
9 o'clock	74	10		10.5	PELTEX 100 #
11 o'clock	71	"	"	"	

CORING

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

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
Drill 7⅞" hole	400	915	5¼
Circ sample	915	1015	1
Drlg 7⅞ hole	1015	1200	1¾



Driller [illegible] + T Wiggett

CLASSES OF TIME BREAKDOWN

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

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 Louis Ebel Approved by S. Torgerson

Form 34402 (300 bks.-11-62) E. OF CLARE F 79-G9 -10-133-00

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 62

LSD..... SEC..... TWN..... RGE..... W..... Contractor PETER BAWDEN Type Rig 4 B. Oilwell Month June Day 5 19 65

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

DEPTH

From	To	Hole Made	Hole Size	Formation
7236	7274	38	7 7/8	

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4 1/2	71	2	3063	713.06	381

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
COLLAR	22	6	2 7/8	686.06	DRILLING STRING	DRILL COLLARS
DATA	1	7 7/16		29.97	150 M	50

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
52	YHGJ	12:30 PM		7 1/2		48	38	

Bit Serial No. E44056 Table R.P.M. 75

Jet or Conventional - JETS Nozzle Size 3-12

Kind at Ft. Deg. off

SURVEYS

MUD PUMP RECORD

HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
		#	14	58	5 1/2
7 1/2		1200	14	62	5 1/2

No. 1
No. 2

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
2 o'clock	82	10	5.2	10.5	GEL 300#
4 o'clock	86	"	"	"	
6 o'clock	76	9.9	5.6	10.5	
7 o'clock	70	"	"	"	

CORING

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

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
Running in w/ Bit #52	12:00	12:15	1/4
Rig SER + check Kelly Cock	12:15	12:30	1/4
Drlg 7 7/8 hole	12:30	8:00	7 1/2

Driller T. Wiggett

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

From	To	Hole Made	Hole Size	Formation
7274	7300	26	7 7/8	

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4 1/2	72	—	25.68	713.06	3.81

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
COLLAR	22	6	2 7/8	683.06	DRILLING STRING	DRILL COLLARS
DATA	1	7 7/16		29.97	150 M	50 M

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
52	YHGJ	12:30 PM	1:45 PM	13	7300	50	64	—

Bit Serial No. E44056 Table R.P.M. 80

Jet or Conventional - Nozzle Size 3X12

Kind at Ft. Deg. off

HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
		on Cont.	14	58	5 1/2
		1200	14	63	5 1/2

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
9:00	74	10.0	5.2	10.5	CAUSTIC 15#
11:00	72	10.0	—	—	PELTEX 50#
1:00	80	10.0	5.0	10.5	CELLEX 25#

CLEANED #2 COMPARTMENT IN SHAKER TANK

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

	From	To	Hrs.
Drill 7 7/8" hole	8:00	10:00	2
Service rig, check BOP's + Kelly cock	10:00	10:15	1/4
Drill 7 7/8" hole	10:15	1:45	3 1/2
Trip out bit #52 -	1:45	4:00	2 1/4

Driller W Tweed

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

From	To	Hole Made	Hole Size	Formation
7300	7330	30	7 7/8	

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4 1/2	72	1	24.90	713.06	2 subs 3.81

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
COLLAR	22	6	2 7/8	683.06	DRILLING STRING	DRILL COLLARS
DATA	1	7 7/16		29.97	153	50

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
53	WT-J	6:45 PM		5		48	30	

Bit Serial No. 46716 Table R.P.M. 80

Jet or Conventional - JET Nozzle Size 3X12

Kind at Ft. Deg. off

HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
			14	58	5 1/2
			14	63	5 1/2

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
8:00	73	10	4.6	10.5	PELTEX 50#
11:00	75	10	4.7	10.5	CAUSTIC 25#
					GEL 300#

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

(changed stand on Top of DC's)

	From	To	Hrs.
Trip out bit #52	4:00	4:15	1/4
Service rig, check BOP's + change oil in drawworks + service X over subs	4:15	5:00	3/4
Run in w/ bit #53	5:00	6:45	1 3/4
Break circulation	6:45	7:00	1/4
Drill 7 7/8" hole	7:00	12:00	5

Driller W Tweed + T. Wiggett

CLASSES OF TIME BREAKDOWN

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

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 Louis Abbott Approved by E. Longueuil

Form 34402 (300 bks.-11-62) 10E CLARE-F-79-69-10-133-00

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 62

LSD..... SEC..... TWN..... RGE..... W..... Contractor PETER BAWDEN Type Rig OIL WELL 6HR Month JUNE 4 Day 4 19 65

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

DEPTH

From	To	Hole Made	Hole Size	Formation
7166	7186	20	7 7/8	

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4 1/2	64 36 47		32.66	713.06	381

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
COLLAR	22	6	2 7/8	683.06	DRILLING STRING	DRILL COLLARS
DATA	1	7 7/16		2997	145	50

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
50	YHJ	3 45	400	6	7186	45	33	
51	YHGJ							

Bit Serial No. E 15311 E 44049 Table R.P.M. 75

Jet or Conventional - JETS Nozzle Size 3-12

SURVEYS

Kind at Ft. Deg. off

PUMP RECORD

	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
No. 1						
No. 2			1300	14	62	5 1/2

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
1230	78	99	52	10.5	
1:00	71	10	5	10.5	

CORING

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

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
R.g SER	1200	12:15	1/4
Drlg 7 7/8 Hole	12:15	400	3 3/4
Trip F/ Bit	400	800	4

Driller T Wiggett

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

DEPTH

From	To	Hole Made	Hole Size	Formation
7186	7224	38	7 7/8	

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly 40	Drill. Collar Ft.	Core Bbl. Ft.
4 1/2	70		40	713.06	SAME 381

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
COLLAR	22	6	2 7/8	683.06	DRILLING STRING	DRILL COLLARS
DATA	1	7 7/16		2997	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 Drilled	FOOTAGE Reamed
51	YHGJ	900 AM		6 1/2		50	38	

Bit Serial No. E 44049 Table R.P.M. 80

Jet or Conventional - JET Nozzle Size 3-12

Kind TOTCO at 7150 Ft. 6 Deg. off

PUMP RECORD

	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
		6 1/2	MUD TANK	14	58	5 1/2
	6 1/2		1300	14	62	5 1/2

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
400	84	10.1	5.0	10.5	CAUSTIC 25 #
100	71	10.0	-	-	PETEX 50 #
300	68	10.8	5.6	10.5	CELLEX 25 #
					GEL 300 #

CORING

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

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
SER Rig	800	815	1/4
Run in	815	900	3/4
mix up on BTM	900	930	1/2
Drlg 7 7/8 hole	930	400	6 1/2

Driller W. Quick

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

DEPTH

From	To	Hole Made	Hole Size	Formation
7224	7236	12	7 7/8	

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4 1/2	71	1	21 86	713.06	SAME 381

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
COLLAR	22	6	2 7/8	683.06	DRILLING STRING	DRILL COLLARS
DATA	1	7 7/16		2997	150	50

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
51	YHG	900 AM	6 15	8 1/2	7236	50	50	
52	YHG							

Bit Serial No. E 44 049 E 44056 Table R.P.M. 80

Jet or Conventional - JET Nozzle Size 3-12

Kind at Ft. Deg. off

PUMP RECORD

	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
		2	MUD TANK	14	58	5 1/2
2			1300	14	62	5 1/2

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS

CORING

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

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
SER Rig & Check Kelly Cock	400	415	1/4
Drlg 7 7/8 hole	415	615	2
Trip F/ B.I.T	615	900	2 3/4
Change Bits - Ream D.C	900	945	3/4
Slip + Cut 44 Drlg Line	945	1045	1
Run in w/ Bit #2	1045	1200	1 1/4

Driller W. Quick T Wiggett

CLASSES OF TIME BREAKDOWN

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

MNFR. DRILLING LINE IN USE ..... REEL SERIAL No. .....

MNFR. OF KELLY HOSE IN USE ..... HOSE SERIAL No. .....

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

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

Form 34402 (300 bks.-11-62) FOE CLARE F79-67-10-133-00

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 60

LSD..... SEC..... TWN..... RGE..... W..... Contractor PETER BAWDEN Type Rig 860 Oilwell Month June Day 3 19 65

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

DEPTH

From	To	Hole Made	Hole Size	Formation
7093	7113	20	7 7/8	

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4 1/2	63767/4		19.39	713.06	3 7/8

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
					DRILLING STRING	DRILL COLLARS
COLLAR	22	6	2 7/8	683.06		
DATA	1	7 13/16		29.97	146.000	50 000

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
49	YH	3:45		4 1/4		45	20	

Bit Serial No. E83282 Table R.P.M. 80

Jet or Conventional - Conv. Nozzle Size 4/32

SURVEYS

Kind at Ft. Deg. off

PUMP RECORD

	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
No. 1			500	14		5 1/2
No. 2			600	14	65	5 1/2

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
6 o'Clock	76	10	10-2		

CORING

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

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
Hoist - Bit 48 stds	12:00	1:30	1 1/2
Rig SER + BOP	1:30	1:45	1/4
Run in w/ Bit	1:45	3:45	2
Drlg 7 7/8	3:45	8:00	4 1/4

Driller T. Wiggett

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

DEPTH

From	To	Hole Made	Hole Size	Formation
7113	7153	40	7 7/8	Running

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4 1/2	70	1	30.07	716.87	

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
					DRILLING STRING	DRILL COLLARS
COLLAR	22	6	2 7/8	683.06		
DATA	1	7 13/16	-	29.97	146 M	50 M

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
49	YH	3:45AM		12		45	60	

Bit Serial No. E83282 Table R.P.M. 80

Jet or Conventional - Conv. Nozzle Size —

SURVEYS

Kind at Ft. Deg. off

PUMP RECORD

	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
	3 3/4	—	500	14	58	5 1/2
			700	14	62	5 1/2

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
9:00	77	10			
11:00	72	10	4.5	10.5	
1:00	71	9.9	-	-	
2:00	69	10.0	5.2	10.5	

CORING

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

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
Drill 7 7/8" hole	8:00	11:45	3 3/4
Service rig, check hoist, crown + BOP's	11:45	12:00	1/4
Drill 7 7/8" hole	12:00	4:00	4:00

Driller W. Smith

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

DEPTH

From	To	Hole Made	Hole Size	Formation
7153	7166	13	7 7/8	

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4 1/2	64 36 47		12.66	716.83	

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
					DRILLING STRING	DRILL COLLARS
COLLAR	22	6	2 7/8	683.06		
DATA	1	7 13/16		29.97	145.000	50 000

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
49	YH	3:45	4:15	12 1/4	7153	45	60	
50	YH	9:45						

Bit Serial No. E83282 / E15311 Table R.P.M. 80

Jet or Conventional - Conv. / Jet Nozzle Size 4/32

Kind Totco at 7150 Ft. 6° Deg. off

PUMP RECORD

HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
		1300	14	62	5 1/2

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS

CORING

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

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
Drlg	4:00	4:15	1/4
Survey	4:15	4:30	1/4
Hoist for New Bit	4:30	7:00	2 1/2
Slip - Cut 88' Drlg Line	7:00	8:00	1
Run in with Bit W 20	8:00	9:30	1 1/2
Break Circ.	9:30	9:45	1/4
Drlg.	9:45	12:00	2 1/4

Driller W. Smith

CLASSES OF TIME BREAKDOWN

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

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 Louis Akel Approved by E. Lagerson

Form 34402 (300 bks.-11-62) JOE CLARE F 79-64-10-133-00 **IMPERIAL OIL LIMITED** **DAILY DRILLING REPORT No. 59**

LSD..... SEC..... TWN..... RGE..... W..... Contractor PETER BAWDEN Type Rig 46 OILWELL Month June Day 2 1965

	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 6995 To 7033 Hole Made 38 Hole Size 7 7/8 Formation	From 7033 To 7060 Hole Made 27 Hole Size 7 7/8 Formation	From 7060 To 7093 Hole Made 33 Hole Size 7 7/8" Formation
DRILLING STRING	Size-D.P. 4½ Stands 62 Singles 8 Kelly 28.73 Drill. Collar Ft. 713.06 Core Bbl. Ft. 3.81	Size-D.P. 4½ Stands 69 Singles 1 Kelly 24.90 Drill. Collar Ft. 713.06 Core Bbl. Ft. —	Size-D.P. 4½ Stands 63 Singles 4 Kelly 28.93 Drill. Collar Ft. 713.06 Core Bbl. Ft.
	DRILL COLLAR: Number 22 OD 6 ID 2 7/8 Length 683.06 INDICATOR WEIGHT OF TOTAL DRILLING STRING 150,000 DRILL COLLARS 51,000	DRILL COLLAR: Number 22 OD 6 ID 2 7/8 Length 683.06 INDICATOR WEIGHT OF TOTAL DRILLING STRING 146 M DRILL COLLARS 50 M	DRILL COLLAR: Number 22 OD 6 ID 2 7/8 Length 683.06 INDICATOR WEIGHT OF TOTAL DRILLING STRING 146,000 DRILL COLLARS 50
	DATA: 1 OD 7 3/16 ID — Length 29.97	DATA: 1 OD 7 3/16 ID — Length 29.97	DATA: 1 OD 7 3/16 ID — Length 29.97
BIT RECORD	No. 47 Type GTC-2J Time On Bottom At 11:00a.m. Time Pulled At 9:00a.m. Total Hours Run 73/4 Depth Pulled 7033 Weight On Bit M Pounds 45 FOOTAGE Drilled 43 Reamed	No. 48 Type WTJ Time On Bottom At 11:30AM Time Pulled At — Total Hours Run 4½ Depth Pulled — Weight On Bit M Pounds 45 FOOTAGE Drilled 27 Reamed —	No. 47 Type WT-J Time On Bottom At 11:30 Time Pulled At 10:30 Total Hours Run 11 Depth Pulled 7093 Weight On Bit M Pounds 45 FOOTAGE Drilled 60 Reamed
	Bit Serial No. 18946 Table R.P.M. 75 Jet or Conventional - JET Nozzle Size 3-12	Bit Serial No. 30882 Table R.P.M. 80 Jet or Conventional - Jet Nozzle Size 3x12	Bit Serial No. 30882 Table R.P.M. 80 Jet or Conventional - Jet Nozzle Size
SURVEYS	Kind at Ft. Deg. off	Kind at Ft. Deg. off	Kind at Ft. Deg. off
MUD PUMP RECORD No. 1 / No. 2	HOURS On Line / Circulating; Pump Press 1000; Length of Pump Stroke 14; Strokes Per Min. 58; Liner Size 5½	HOURS On Line 4½ / Circulating 4½; Pump Press on tank / 1300; Length of Pump Stroke 14 / 14; Strokes Per Min. 58 / 62; Liner Size 5½ / 5½	HOURS On Line / Circulating; Pump Press 1300; Length of Pump Stroke 14; Strokes Per Min. 62; Liner Size 5½
MUD RECORD	Time / Visc. / Wt. / W L / pH / ADDITIVES — POUNDS 8 o'clock / 73 / 10 / 5.6 / 10.5 / CAUSTIC 25# 3:30 / 63 / 10 / 5.4 / 10.5 / PELTEX 50# 4 o'clock / 71 / 10 / 5.6 / 10.5 / CELLEX 50# 7 o'clock / 70 / 9.9 / 4.8 / 10.2 / Gel — 300#	Time / Visc. / Wt. / W L / pH / ADDITIVES — POUNDS 1:00 / 72 / 10.0 / 5.6 / 10. / CAUSTIC 25# 3:00 / 74 / 9.9 / — / — / PELTEX 50# — / — / — / — / — / CELLEX 50# — / — / — / — / — / Gel 500#	Time / Visc. / Wt. / W L / pH / ADDITIVES — POUNDS — / 75 / 10 / 4.8 / 10.2 / Gel 300# — / 73 / 10 / 4.7 / 10.5 / Peltex 50# — / 71 / 10 / 4.6 / 10.5 / Caustic 25#
CORING	From / To / Ft. Cored / Ft. Rec'd. / Core No. / Type Bbl.	From / To / Ft. Cored / Ft. Rec'd. / Core No. / Type Bbl. 7 12/16 Square DC.	From / To / Ft. Cored / Ft. Rec'd. / Core No. / Type Bbl.

DETAIL OF OPERATIONS AND REMARKS

From	To	Hrs.	Operations
1200	1215	¼	R-g Ser
1215	700	6¾	Drlg
700	800	1	Hoist F.N.3.

From	To	Hrs.	Operations
800	915	1¼	Hoist bit #47
915	930	¼	Change bit serviced rig checked BOP's
930	1000	½	Check brakes + linkage
1000	1115	1¼	Run in bit #48
1115	1130	¼	Break circulation
1130	40	4½	Drill 7⅞" hole

From	To	Hrs.	Operations
400	1030	6½	Drlg
1030	1200	1½	Hoist

Driller T Wigget / Driller W Quin / Driller L Szydmiller

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 ..... REEL SERIAL No. ..... DID YOU CHECK BLOWOUT PREVENTER EQUIPMENT TODAY

MNFR. OF KELLY HOSE IN USE ..... HOSE SERIAL No. ..... YES ✓ NO .....

Total Contract Time .....hrs. Total Company Time .....hrs. Toolpusher Louis Odell Approved by E Ferguson

Form 34402 (300 bks.-11-62) 103 CLARE 79-67-10-33-00

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 58

LSD..... SEC..... TWN..... RGE..... W..... Contractor PETER BAWDEN Type Rig OIL WELL Month JUNE Day 1 19 65

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

DEPTH

From	To	Hole Made	Hole Size	Formation
6943	6955	10	7 7/8	

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4½	6954	3005	12.65	713.06	5-13.5 3.81

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
					DRILLING STRING	DRILL COLLARS
COLLAR	22	6	2 7/8	683.06		
DATA	1	7 13/16		2991	150 000	50 000

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
45	RG9XT	1300hrs	1445hrs	23	6941	40	122	
46	Y-H	630hrs.		1½		40	8	

Bit Serial No. 86843 / E34463 Table R.P.M. 80

Jet or Conventional - JET JET Nozzle Size 3-12

Kind TOTCO at 6945 Ft. 5 3/4 Deg. off

SURVEYS

MUD PUMP RECORD

HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
		1000	14	58	5½
		1300	14	68	5½

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
12 Clock	68	9.9	5.2	10.5	
4 Clock	79	10	5.2	10.5	

CORING

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

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
Drlg	12:00	1:45	3/4
Survey	1:45	2:00	1/4
Rig SER	2:00	2:15	1/4
Trip Flat Bit	2:15	6:30	5 1/4
Drlg	6:30	8:00	1 1/2

Driller T. Wiggett

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

From	To	Hole Made	Hole Size	Formation
6955	6990	35	7 7/8	Pronning

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4½	68	2	17.03	713.06	-

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
					DRILLING STRING	DRILL COLLARS
COLLAR	22	6	2 7/8	683.06		
DATA	1	7 13/16		29.97	150M	50M

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
46	Y-J	6:30AM	3:30PM	9 3/4	6990	50M	43	

Bit Serial No. E 34463 Table R.P.M. 80

Jet or Conventional - Nozzle Size 3X12

Kind at Ft. Deg. off

HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
1½	6½	1000	14	58	5½
5 3/4	2¼	1250	14	62	5½

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
8.00	76	10.0	5.8	10.3	CAUSTIC 25#
11.00	70	9.9	5.2	10.2	PELTEX 50#
1.00	94	9.9	4.6	10.5	CELLEX 50#
3.00	72	10.0	-	-	

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

	From	To	Hrs.
Rig service & check BOP's	8:00	8:15	¼
Drill 7⅞" hole	8:15	3:30	7¼
Pour bit # 46	3:30	4:00	½

Driller W. Lynn

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

From	To	Hole Made	Hole Size	Formation
6990	6995	5	7 7/8	

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4½	6256	10	22.03	713.06	

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
					DRILLING STRING	DRILL COLLARS
COLLAR	22	6	2 7/8	683.06		
DATA	1	7 13/16		2997	1x5 000	50 000

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
47	W762	11:00		1		45	5	

Bit Serial No. 18946 Table R.P.M. 80

Jet or Conventional - Jet Nozzle Size 12/32

Kind at Ft. Deg. off

HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
		1100	15	58	5½

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
	82	10	5.0	10.5	

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

	From	To	Hrs.
Hoist	4:00	6:00	2
Slip & cut 44' Drlg line	6:00	7:00	1
Work on Drks. oil lines	7:00	9:00	2
Ream	9:00	11:00	2
Drlg	11:00	12:00	1

Driller D. Leipnitz

CLASSES OF TIME BREAKDOWN

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

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 Louis Ackert Approved by P. Ferguson

Form 34402 (300 bks.-11-62) IDE-CLARE F-79-67-10-33-00

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 57

LSD.... SEC.... TWN.... RGE.... W.... Contractor PETER BAUDEN Type Rig OIL WELL Month MAY Day 31 19 65

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

DEPTH

From	To	Hole Made	Hole Size	Formation
6825	22	6847	7 7/8	

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4 1/2	60 6.3		24.01	713.06	3.81

	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
DRILL COLLAR	22	6	2 7/8	683.06	DRILLING STRING	DRILL COLLARS
DATA	1	7 3/16		29.97	150 000	50 000

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
45	R67xJ	1:30 AM		6 1/2		40	22	

Bit Serial No. 86843 Table R.P.M. 50

Jet or Conventional - JETS Nozzle Size 3-12

SURVEYS

Kind at Ft. Deg. off

MUD PUMP RECORD

	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
No. 1			1200	14	55	5 1/2
No. 2						

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
1 o'clock	87	10	6	10.5	GEL 300#
2 clock	68	10	6	10.5	PELTEX 50#
6 o'clock	67	9.9	5.6	10.5	CAUSTIC 15#
7:30	66	9.9			

CORING

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

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
Run in w/ B.T 45	12:00	12:30	1/2
REAM & D.C 6782-6825	12:30	1:15	3/4
R.G SER.	1:15	1:30	1/4
Drlg 7 7/8 hole	1:30	8:00	6 1/2

Driller T. Wiggett

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

From	To	Hole Made	Hole Size	Formation
6847	6900	53	7 7/8	Running

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4 1/2	64	2	25.77	713.06	3.81

	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
DRILL COLLAR	22	6	2 1/8	683.06	DRILLING STRING	DRILL COLLARS
DATA	1	7 7/16	-	29.97	150 M	50 M

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
45	R67xJ	1:30 AM		14 1/4		40		

Bit Serial No. 86843 Table R.P.M. 70

Jet or Conventional - Jet Nozzle Size 3x12

Kind at Ft. Deg. off

	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
	6 1/4		1000	14	58	5 1/2
	2 1/2	6 1/2	1300	14	63	5 1/2

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
8.00	63	10.0	5.2	10.5	CELLEX 25#
11.00	71	10.0	—	—	GEL 300#
3.00	73	10.0	4.8	10.5	CAUSTIC 10#
					PELTEX 50#

From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.
Kelly cock		checked OK			

	From	To	Hrs.
Drill 7 7/8" hole.	8:00	9:45	1 3/4
Service rig & check Kelly cocks + BOP's	9:45	10:00	1/4
Drill 7 7/8" hole.	10:00	4:00	6

Driller A. Grant

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

From	To	Hole Made	Hole Size	Formation
6900	6943	43	7 7/8	

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
	61 55		30.70	713.06	

	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
DRILL COLLAR	22	6	2 7/8	683.06	DRILLING STRING	DRILL COLLARS
DATA	1	7 7/16		29.97	150 000	50 000

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
45	R67xJ			22 1/4		40	118	

Bit Serial No. 86843 Table R.P.M. 70

Jet or Conventional - Jet Nozzle Size 3-12

Kind at Ft. Deg. off

	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
			1300	14	63	5

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
5 00	66	10	5.2	10.2	Gel 500 #
7 15	69	9.9	5.3	10.2	Peltex 50 #
9 00	68	9.9	5.2	10.2	Caustic 15 #
11 00	70	9.9	5.2	10.2	Cellex 25 #

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

	From	To	Hrs.
Drlg 7 7/8" Hole	4:00	12:00	

Driller W. Shepherd

CLASSES OF TIME BREAKDOWN

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

MNFR. DRILLING LINE IN USE ..... REEL SERIAL No. .....
MNFR. OF KELLY HOSE IN USE ..... HOSE SERIAL No. .....

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

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

Form 34402 (300 bks.-11-62) F. O.E. CLARE F.79-67-10-133-00 **IMPERIAL OIL LIMITED** DAILY DRILLING REPORT No. 56

LSD..... SEC..... TWN..... RGE..... W..... Contractor PETER BAWDEN Type Rig OILWELL 64-B Month MAY Day 30 19 65

	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 6798 To 6812 Hole Made 14 Hole Size 7 3/16 Formation	From 6812 To 6825 Hole Made 13 Hole Size 7 1/16 Formation	From 6825 To Hole Made Hole Size Formation
DRILLING STRING	Size-D.P. 4½ Stands 63 7.77 Singles 7.31 Kelly 19.66 Drill. Collar Ft. 341.88 Core Bbl. Ft. 64.38	Size-D.P. 4½ Stands 63 7.77 Singles - Kelly 32.66 Drill. Collar Ft. 341.88 Core Bbl. Ft. 64.38	Size-D.P. 4½ Stands 60 + 4.97 Singles Kelly Drill. Collar Ft. 713.06 Core Bbl. Ft.
	DRILL COLLAR: Number 11, OD 6, ID 2 7/8, Length 344.88	DRILL COLLAR: Number 11, OD 6, ID 2¾, Length 341.88	DRILL COLLAR: Number 22, OD 6, ID 2 7/8, Length 683.06
	INDICATOR WEIGHT OF TOTAL: DRILLING STRING 125.000 DRILL COLLARS 25.000	INDICATOR WEIGHT OF TOTAL: DRILLING STRING 125M DRILL COLLARS 25M	INDICATOR WEIGHT OF TOTAL: DRILLING STRING DRILL COLLARS
	DATA	DATA	DATA 1 7 3/16 29.97
BIT RECORD	No. 2B Type ◇ Time On Bottom At 5:00 AM Time Pulled At Total Hours Run 3 Depth Pulled Weight On Bit M Pounds 16 FOOTAGE Drilled 14 Reamed	No. 2B Type ◇ Time On Bottom At Time Pulled At 12:30 PM Total Hours Run 7¼ Depth Pulled 6825 Weight On Bit M Pounds 16M FOOTAGE Drilled 27 Reamed —	No. 4/5 Type Rg 7 Time On Bottom At Time Pulled At Total Hours Run Depth Pulled Weight On Bit M Pounds FOOTAGE Drilled Reamed
	Bit Serial No. EC 45 02 Table R.P.M. 90	Bit Serial No. EC 4502 Table R.P.M. 90	Bit Serial No. 86843 Table R.P.M.
	Jet or Conventional - ◇ Nozzle Size	Jet or Conventional - ◇ Nozzle Size —	Jet or Conventional - Nozzle Size 3 — 12
SURVEYS	Kind at Ft. Deg. off	Kind at Ft. Deg. off	Kind at Ft. Deg. off
MUD PUMP RECORD	HOURS On Line / Circulating; Pump Press; Length of Pump Stroke; Strokes Per Min.; Liner Size	HOURS On Line / Circulating; Pump Press; Length of Pump Stroke; Strokes Per Min.; Liner Size	HOURS On Line / Circulating; Pump Press; Length of Pump Stroke; Strokes Per Min.; Liner Size
No. 1	14 5½	½ 800 14 58 5½	
No. 2	1140 TANKS	3¾ 4¼ 900 14 61 5⅝	
MUD RECORD	Time / Visc. / Wt. / W L / pH / ADDITIVES — POUNDS: GEL 3 sx	6 o'clock 45 9.9 5:2 10.5; 7.30 71 9.9 5.2 10.5; 8.00 74 9.9 10.5	Time / Visc. / Wt. / W L / pH / ADDITIVES — POUNDS
CORING	From 6798 To 6812 Ft. Cored 14 Ft. Rec'd. Core No. 21 Type Bbl. Christensen	From 6812 To 6825 Ft. Cored 27 Ft. Rec'd. 27 Core No. 21 Type Bbl. Christ	From To Ft. Cored Ft. Rec'd. Core No. Type Bbl.

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
HOIST CORE	12:00	1:45	1 3/4
RECOVER CORE + SER BBL	1:45	2:45	1
RIG SER	2:45	3:00	¼
RUN IN	3:00	5:00	2
CUT CORE 21	5:00	8	3

	From	To	Hrs.
Cut core #21	8:00	8:30	½
Change pumps + service rig	8:30	8:45	¼
Cut core #21	8:45	12:30	3¾
Hoist jammed core Aff	12:30	2:45	2¼
Recover core + service rig Aff	2:45	3:30	¾
Check BOP's + motor shut off	3:30	3:45	¼
Run in w/ button reamer	3:45	4:00	¼

	From	To	Hrs.
Run in D.C. + Reamer	4:00	4:30	½
Slip + cut 44' Drlg line	4:30	5:00	½
Run in	5:00	6:30	1½
Ream Rathole	6:30	8:00	1½
Hoist	8:00	10:00	2
Lay down Reamer + Pickup Bit	10:00	10:30	½
Run in bit #4/5	10:30	12:00	1½

Driller T. Wiggett | Driller V. Gerrard | Driller D. Stapleton

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:
REAMING: CIRCULATING: CORING: D.S. TESTING: RIG REPAIRS: CONDITION HOLE: LOST CIRC.:
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 Louis Abel Approved by L. Langevin

Form 34402 (300 bks.-11-62) IOE Clark F-79-67-10-13-00

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 55

LSD..... SEC..... TWN..... RGE..... W..... Contractor Peter Bawden Type Rig Oil Well 64B Month May Day 29 19 65

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

DEPTH

From	To	Hole Made	Hole Size	Formation
6720	6757	37	7 7/8"	

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4½	6015.32		25.10	713.06	Surface 3.81

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL
COLLAR	22	6"	2 7/8	682.06	DRILLING STRING / DRILL COLLARS
DATA	1	7 13/16		29.97	42.000 / 50.000

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
44	W73	1:15		6¾		45	37	

Bit Serial No. 30879 Table R.P.M. 80

Jet or Conventional - Jet Nozzle Size 12/32

SURVEYS

Kind at Ft. Deg. off

MUD PUMP RECORD

	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
No. 1			1000	14	56	5½
No. 2						

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
	80	10			Gel 300#
	80	10	5.0	10.5	Celley 25#
	80	10	5.1	10.5	Caustic 10#
					Peltex 50#

CORING

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

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
Run in Drlg 7 7/8" Hole	12:00	1:15	1¼
Drlg	1:15	8:00	6¾

Driller D Stapleton

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

From	To	Hole Made	Hole Size	Formation
6757	6782	25	7 7/8	

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4½	6015.03	29.94	30.16	713.06	Surface 3.81

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL
COLLAR	22	6"	2 7/8	682.06	DRILLING STRING / DRILL COLLARS
DATA	1	7 13/16		29.97	145.000 / 50.000

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
24	HTJ	11:00a	1:30p	12	6782	45	62	

Bit Serial No. 30879 Table R.P.M. 80

Jet or Conventional - Jet Nozzle Size 2-12

Kind at Ft. Deg. off

	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
			1000	14	58	5½

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
9:00	73	9.9	5	10.5	Gel 300#
1:00	73	10	5.2	10.5	

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

	From	To	Hrs.
Rig SER + BOP	8:00	8:15	¼
Drlg	8:15	1:30	5¼
Hoist E/ Core Bbl	1:30	4:00	2½

Driller T Wiggett

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

From	To	Hole Made	Hole Size	Formation
6782	6798	16	7 13/16	

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4½	6376.71	—	5.66	341.88	6438 + 7.31 Junk

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL
COLLAR	11	6	2 7/8	341.88	DRILLING STRING / DRILL COLLARS
DATA					125 / 25M

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
2B	◇	7:30PM	11:15	3¾	6798	16M	16	

Bit Serial No. EC4502 Table R.P.M. 90

Jet or Conventional - ◇ Nozzle Size —

Kind at Ft. Deg. off

	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
	3¾		950	14	57	5½
		8	on tank	14	30	5½

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
8:00	85	9.9	5.2	10.5	PELTEX 50#
9:00	75	9.9	4.4	10.5	CAUSTIC 10#

From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.
6782	6798	16	—	20	Christ

	From	To	Hrs.
Wash bit # 41	4:00	4:15	¼
Pick up, service + check core bbl + run in 11 DC's	4:15	5:00	¾
Service rig	5:00	5:15	¼
Run in @ core bbl	5:15	7:00	1¾
Circulate core bbl	7:00	7:30	½
Cut core # 20	7:30	11:15	3¾
Wash jammed core bbl	11:15	12:00	¾

Driller T Wiggett

CLASSES OF TIME BREAKDOWN

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

MNFR. DRILLING LINE IN USE ..... REEL SERIAL No. .....

MNFR. OF KELLY HOSE IN USE ..... HOSE SERIAL No. .....

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

Total Contract Time .....hrs. Total Company Time .....hrs. Toolpusher .....

Approved by .....

Form 34402 (300 bks.-11-62) I.O.E. Clare F-79-67-10-133-00

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 54

LSD. ____ SEC. ____ TWN. ____ RGE. ____ W. ____ Contractor Peter Bawden Type Rig Oil Well Month May Day 28 19 67

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

DEPTH

From	To	Hole Made	Hole Size	Formation
6635	6658	23	7 7/8	

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
	5924.52		16.51	713.06	

	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
DRILL COLLAR	21	6	2 1/8	683.06	DRILLING STRING	DRILL COLLARS
DATA	1	7 3/4		29.97	144.00	50.000

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
42	HH	11 AM	2 PM	15 1/4	6645	45	88	
43	W7	7:15 AM		2		45	13	

Bit Serial No. E-22281 / (43) 28905 Table R.P.M. 80

Jet or Conventional - Jet Nozzle Size 3/32

SURVEYS

Kind ____ at ____ Ft. Deg. off

MUD PUMP RECORD

	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
No. 1			950	14	58	5 1/2
No. 2						

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
	76	9.9	5.3	10.5	Gel 300 #
	75	9.9	5.3	10.5	Cellex 25 #

CORING

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

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
Drlg	15	2 15	2 1/4
Trip out for Bit	2 15	6 00	3 3/4
Drlg	6 00	8 00	2

Driller D. Leyshon

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

DEPTH

From	To	Hole Made	Hole Size	Formation
6658	6703	45	7 7/8	

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4 1/2	5955.02		31.11	713.06	3.81

	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
DRILL COLLAR	22	6	2 1/8	683.06	DRILLING STRING	DRILL COLLARS
DATA	1	7 3/4		29.97	145.000	50.000

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
43	W 7 J	6:00 AM		9 3/4		45	58	

Bit Serial No. 28905 Table R.P.M. 80

Jet or Conventional - Jet Nozzle Size 3-13

SURVEYS

Kind ____ at ____ Ft. Deg. off

MUD PUMP RECORD

	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
No. 1	7 3/4		950	14	58	5 1/2
No. 2						

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
8	84	9.9	4.8	10.5	Gel
10:30	74	9.9	5.4	11.5	300 Pounds Caustic
2 o'clock	85	9.9	6	10.5	20 Lbs pellex
3:30	72	9.9			50

CORING

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

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
Rig Service & BOPs	8 00	8 15	1/4
Drlg 7 7/8 hole	8 15	4 00	7 3/4

Driller T. Wight

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

DEPTH

From	To	Hole Made	Hole Size	Formation
6703	6720	17	7 7/8	

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4 1/2	5937.82		19.31	713.06	

	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
DRILL COLLAR	22	6"	2 1/8	683.06	DRILLING STRING	DRILL COLLARS
DATA	1	7 3/4		29.97	150 M	50 M

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
43	W 7 J	6:00 AM	7:30 AM	13 1/4	6720	45	75	-
44	W 7 J							

Bit Serial No. #44 - 30979 Table R.P.M. 90

Jet or Conventional - Jet Nozzle Size 3 X 13

Kind Jetco at 6720 Ft. Deg. off 5°

SURVEYS

MUD PUMP RECORD

	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
No. 1	3 1/2		900	14	58	5 1/2
No. 2		8	On Intake	14	60	5 1/2

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
5:00	74	9.9		10.5	Caustic 10 #
	79	9.9			Pelex 50 #

CORING

From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.
7 13/16	square	hole			

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
Drill 7 7/8 hole	4 00	7 30	3 1/2
Point bit #43 + survey	7 30	9 30	2
Caliper drill collars	9 30	10 #	1
Change bit check BOP's trip in DC's	10 30	11	1/2
Cut + slip 44' drilling line	11 00	12 00	1

Driller D. Leyshon

CLASSES OF TIME BREAKDOWN

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

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 ____

Total Contract Time ____ hrs. Total Company Time ____ hrs. Toolpusher Louis Abel Approved by R. Ingram

Form 34402 (300 bks.-11-62) I.O.E. CLARE F-79-67-10-138-00

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 53

LSD..... SEC..... TWN..... RGE..... W..... Contractor Peter Bawden Type Rig Oilwell 64-6 Month May Day 27 19 65

DEPTH

1st Tour From: 12:00 Midnight To: 8:00 a.m.				
From	To	Hole Made	Hole Size	Formation
6529	6557	28	7 7/8"	

2nd Tour From: 8:00 a.m. To: 4:00 p.m.				
From	To	Hole Made	Hole Size	Formation
6557	6590	33	7 7/8	

3rd Tour From: 4:00 p.m. To: 12:00 p.m.				
From	To	Hole Made	Hole Size	Formation
6590	6635	44	7 7/8	

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4½	580.54		38.54	713.06	

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
					DRILLING STRING	DRILL COLLARS
COLLAR	22	6	2 7/8	683.06		
DATA	1	7 13/16		29.97	144.000	50.000

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4½	583.65	3.55	9.73	713.06	3.81

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
					DRILLING STRING	DRILL COLLARS
COLLAR	22	6	2 7/8	683.06		
DATA	1	7 13/16		29.97	144.000	50.000

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4½	586.18		23.97	713.06	

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
					DRILLING STRING	DRILL COLLARS
COLLAR	22	6	2 7/8	683.06		
DATA	1	3½ IF		29.97	145 M	50 M

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
41	YH	11 00 AM	5 30 PM	18½	6557	45	109	

Bit Serial No. E35291 Table R.P.M. 80
Jet or Conventional - Conv. Nozzle Size 11/16
Kind TOTCO at 6550 Ft. 4 - 4 7/8 Deg. off

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
42	YH	11:00 PM		5		45	33	

Bit Serial No. E24281 Table R.P.M. 80
Jet or Conventional - ~~Jets~~ Conv Nozzle Size ~~3~~
Kind at Ft. Deg. off

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
42	YH	11:00 AM		13		45	78	

Bit Serial No. E24281 Table R.P.M. 80
Jet or Conventional - ~~C~~ Jet Nozzle Size 3 x 12/32
Kind at Ft. Deg. off

SURVEYS

MUD PUMP RECORD

	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
No. 1			600	14	59	5½
No. 2						

	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
No. 1			950	14	58	5½
No. 2						

	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
No. 1	8	8	950	14	58	5½
No. 2		8	on tanks	14	60	5½

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
			5.4		

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
					GEL 3.00 #
12:00	70	10.1	5.1	10.5	PELTEX 50 #
3:00	78	9.9	6.2	10.5	CAUSTIC 10 #

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
5:00	65	9.9	6.4	10.5	CELLEX 25 #
7:00	83	9.9	—	—	GEL 500 #
9:00	74	9.9	5.0	10.5	CAUSTIC 10 #
11:00	Gel	99	—	—	PELTEX 50 #

DUMPED + CLEANED SHAKER TANK.

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.
Drlg 7 7/8" Hole	12 00	5 30	5½
Survey	5 30	5 45	¼
Hoist for Bit	5 45	8 00	2¼

	From	To	Hrs.
Rig Sfc + BOPs	8 00	8 15	¼
Run in	8 15	11 00	2¾
Drlg 7 7/8 hole	11 00	4 00	5

	From	To	Hrs.
Drill 7 7/8" hole	4 00	12 00	8

Driller D. Braybrooke

Driller T. Wiggett

Driller W. Smith

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:
REAMING: CIRCULATING: CORING: D.S. TESTING: RIG REPAIRS: CONDITION HOLE: LOST CIRC.: 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 Louis Ethell Approved by .....

Form 34402 (300 bks.-11-62) I.O.E Clare F-79-67-10-133-00

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 52

LSD..... SEC..... TWN..... RGE..... W..... Contractor Peter Bawden Type Rig Oil well 64-B Month May Day 26 19 63

	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
6437	6448	11	7 7/8	
6448	6478	30	7 7/8	
6478	6529	51	7 7/8	

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4 1/2	5716.03		21.40	713.06	
4 1/2	5741.53		19.58	713.06	
4 1/2	5775.39		40.50	713.06	

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL DRILLING STRING	INDICATOR WEIGHT OF TOTAL DRILL COLLARS
COLLAR	22	6"	2 7/8	683.06	144 000	50 000
DATA	1	7 13/16		29.97		
COLLAR	22	6"	2 7/8	683.06	140. M	50
DATA	1	7 13/16		29.97		
COLLAR	22	6"	2 7/8	683.06		50 M
DATA	1	7 13/16		29.97		

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
40	M4N		2:00	14 1/2	6448	45	100	
41	YM	11:00 Am		5		45	30	
41	YM	11:30 AM		13		45	81	—

Bit Serial No.	837603	Table R.P.M. 80
Jet or Conventional -	Conv.	Nozzle Size 11/16
Bit Serial No.	E35291	Table R.P.M. 80
Jet or Conventional -	Conv.	Nozzle Size 11/16
Bit Serial No.	E35291	Table R.P.M. 80
Jet or Conventional -	Conv.	Nozzle Size 3 - 11/16

SURVEYS — Kind ... at ... Ft. ... Deg. off

PUMP RECORD

	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
No. 1			600	14	59	5 1/2
No. 2						
No. 1			575	8	58	5 1/2
No. 2						
No. 1	8		575	14	58	5 1/2
No. 2	On mud Tanks 9	—		14	60	5 1/2

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
	65	10	5.6	10.5	Peltex 25#
1:00	68	9.9	5.2	10.	PELTEX 50 #
3:00	76	9.9	5.2	10	CAUSTIC 15 #
					CELLEX 25 #
					GEL 300 #
5:00	74	10.0	5.2	10.5	CELLEX 25#
7:00	71	10.0	—	—	GEL 500#
9:00	75	10	5.6	10.5	CAUSTIC 10#
11:00	70	10		10.5	PELTEX 50#

CORING

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

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
Drlg 7 7/8" Hole	12:00	2:00	2
Hoists	2:00	4:30	2 1/2
Run in D.C. + Bit	4:30	5:00	1/2
Change Drlg line from 6 to 8 lines	5:00	8:00	3
Boiler on 8 hrs only			

Driller D. Laycock

	From	To	Hrs.
STRINGING 8 LINES	8:00	9:00	1
RUN in W NEW BIT	9:00	11:00	2
Drlg 7 7/8 hole	11:00	4:00	5

Driller T. Wiggett

	From	To	Hrs.
Drilling 7 7/8" Hole	4:00	12:00	8:00

Driller W. Smith

CLASSES OF TIME BREAKDOWN

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

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 Louis Abel Approved by .....

Form 34402 (300 blks.-11-62) I.O.E. CLARE F-79-67-10-133-00

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 51

LSD..... SEC..... TWN..... RGE..... W..... Contractor Peter Bawden Type Rig Oil well 64-B Month May Day 25 19 65

	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
	6308	6348	40	7 7/8		6348	6378	30	7 7/8		6378	6437	59	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.
		55 8 8		41.28	713.06		4½	56 4 9 0		11.23	713.06	5 SQS. 3.81	4½	56 7 9 9		40.50	713.06	
	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	22	6	2 7/8	683.06	DRILLING STRING / DRILL COLLARS	COLLAR	22	6"	7 7/8	643.06	DRILLING STRING / DRILL COLLARS	COLLAR	22	6"	2 3/8	683.06	DRILLING STRING / DRILL COLLARS
	DATA	1	7 1/16		29.97	144.000 / 50.000	DATA	1	7 7/8		29.97	144000 / 50000	DATA	1	7 7/8		29.97	144 M / 50 M
BIT RECORD	No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed	No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
	39	YH-J			21	6348	45	152		40	M4N	1130		4½		45	30	
	Bit Serial No.		14369		Table R.P.M. 75	Bit Serial No.		837603		Table R.P.M. 90	Bit Serial No.		837603		Table R.P.M. 80
	Jet or Conventional -		Jet		Nozzle Size 13	Jet or Conventional -		CONV.		Nozzle Size 1/16	Jet or Conventional -				Nozzle Size 3 X 11/16
SURVEYS	Kind		1 1/4° at 6348 Ft.		4 3/4 Deg. off	Kind	at		Ft.	Deg. off	Kind	at		Ft.	Deg. off
SMITH PUMP RECORD	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
No. 1	λ		900	14	59	5½			600	14	59	5½	9		600	14	59	5½
No. 2													8		on test	14	62	5½
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
		65	60	6.4	10.5	Gel # 1000	1:00	78	10	6.6	10.5	PEL-TEX 50#	5:00	93	10.6	5.6	10.5	PELTEX 50#
		75	60	6.3	10.5	Pel-tex # 100	3:00	70	10			CAUSTIC 15#	7:00	88	10.2	8	10.5	CAUSTIC 10#
		80	60	6.3	10.5	Caustic # 15						CELLEX 25#	9:00	79	10.0	5.6	10.5	WATER ½" STREAM
												GEL 400#	11:00	76	10.0		10.5	GEL 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.

DETAIL OF OPERATIONS AND REMARKS	From	To	Hrs.
Drlg 7 7/8" Hole	1200	1330	1½
Circ + open Kelly Cock	1330	1430	¼
Drlg	1430	1645	4½
Survey	1645	1730	¼
Hoist for Bit			
Boiler on 8 hrs only 8 H			
Driller N. Langhorst			

	From	To	Hrs.
FINNISH OUT W B.T 139	800	845	3/4
RIG SERV & BOPS	845	900	¼
SLIP & CUT 44" D.L.	900	930	½
RAN IN W/ BIT #40	930	1130	2
DRLG 7 7/8 HOLE	1130	400	4½
Driller H.M. Dig			

	From	To	Hrs.
Drill 7 7/8" hole	400	1200	9 00
Driller W Duval			

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 ..... 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 Louis Abel Approved by .....

Form 34402 (300 bks.-11-62) I.O.L. CLARE F 78-67-10-133-00

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 50

LSD.... SEC.... TWN.... RGE.... W.... Contractor Peter Bawden Type Rig Oil Well 64-6 Month May Day 24 19 65

	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 6170 To 6196 Hole Made 26 Hole Size 7 7/8 Formation	From 6196 To 6250 Hole Made 54 Hole Size 7 7/8 Formation	From 6250 To 6308 Hole Made 58 Hole Size 7 7/8 Formation
DRILLING STRING	Size-D.P. 4½ Stands 5+38 Singles Kelly 40-80 Drill. Collar Ft. 713.06 Core Bbl. Ft.	Size-D.P. 4½ Stands 5 5 0 3 7 Singles 1 Kelly 32.76 Drill. Collar Ft. 713.06 Core Bbl. Ft. Subs 3.81	Size-D.P. 4½ Stands 5 5 0 4 7 Singles Kelly 29.59 Drill. Collar Ft. 713.06 Core Bbl. Ft.
	DRILL COLLAR: Number 22 OD 6 ID 2 7/8 Length 683.06 INDICATOR WEIGHT OF TOTAL DRILLING STRING DRILL COLLARS	DRILL COLLAR: Number 22 OD 6" ID 2 7/8 Length 683.06 INDICATOR WEIGHT OF TOTAL DRILLING STRING DRILL COLLARS	DRILL COLLAR: Number 22 OD 6" ID 2 7/8 Length 683.06 INDICATOR WEIGHT OF TOTAL DRILLING STRING DRILL COLLARS
	DATA: 1 □ 7 7/8 Length 29.97 DRILLING STRING 133 000 DRILL COLLARS 50 000	DATA: 1 □ 7 7/8 Length 29.97 DRILLING STRING 142 000 DRILL COLLARS 50 000	DATA: 1 □ Length 29.97 DRILLING STRING 142 M DRILL COLLARS 50 M
BIT RECORD	No. 38 Type H7-J Time On Bottom At - Time Pulled At - Total Hours Run 2¼ Depth Pulled 6196 Weight On Bit M Pounds 45 FOOTAGE Drilled 123 Reamed	No. 39 Type YH-J Time On Bottom At 9:00 Time Pulled At - Total Hours Run 7 Depth Pulled - Weight On Bit M Pounds 45 FOOTAGE Drilled 54 Reamed	No. 39 Type YH-J Time On Bottom At 9:00AM Time Pulled At - Total Hours Run 15 Depth Pulled - Weight On Bit M Pounds 45 M FOOTAGE Drilled 112 Reamed
	Bit Serial No. 725623 Table R.P.M. 75	Bit Serial No. E14369 Table R.P.M. 80	Bit Serial No. E14369 Table R.P.M. 80
	Jet or Conventional - Jet Nozzle Size	Jet or Conventional - Jet Nozzle Size 3-13	Jet or Conventional - Jet Nozzle Size 3X13
SURVEYS	Kind TOTCO at 6195 Ft. 4¾ Deg. off	Kind TOTCO at 6195 Ft. 4¾ Deg. off	Kind at Ft. Deg. off
MUD PUMP RECORD No. 1 No. 2	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
	700 / 14 / 58 / 5½	900 / 14 / - / 5½	8 / - / 900 / 14 / 58 / 5½
			8 / On Tools / - / 14 / 60 / 5½
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
	68 / 10.0 / 5.6 / 10.2 / 500# Gel	16:00 / 80 / 10 / 5.4 / 10.5 / Cellex 25#	~~10:00~~ ~~50~~ ~~10.5~~ / 10 / 10 / Peltex 50#
	74 / 10.0 / 5.4 / 10.2 / 100# Peltex	Peltex 50#	4:00 / 68 / 10.0 / 6.4 / 10.5 / Caustic 15#
	25# Caustic	1:00 / 75 / 10 / - / - / Caustic 25#	6:00 / 66 / 10.0 / 5.8 - / Cellex 25#
		3:00 / 60 / 10 / 6.6 / 10.5	8:00 / 64 / 10.0 / 7.2 / 10.5
			11:00 / 66 / 10.0 / - / 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	From / To / Hrs. Drlg 12:00 / 4:00 / 4 Survey 4:00 / 4:15 / ¼ ~~Hoist~~ TRIP FOR BIT CHANGE 4:15 / 8:00 / 3¾ Boiler on 8 hrs only	From / To / Hrs. RIG SER & U BOPS 8:00 / 8:15 / ¼ FINISH TRIP & BREAK CIRC. 8:15 / 9:00 / ¾ DRLG. 7⅞ HOLE. 9:00 / 4:00 / 7	From / To / Hrs. Drill 7⅞" hole 4:00 / 12:00 / 8:00
	Driller [signature]	Driller [signature]	Driller [signature]

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 ..... 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 .....

Form 34402 (300 bks.-11-62) I. OIL Clare F-78-

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 49

LSD..... SEC..... TWN..... RGE..... W..... Contractor Peter Bawden Type Rig Oil Well 64-B Month May Day 23 19 65

	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
6033	6075	22	7 7/8	
6075	6115	40	7 7/8	
6115	6170	55	7 7/8	

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4½	5 31 7 57		41.46	713.06	
4½	5378.58		19.55	713.06	Subs 3.81
4½	5 7 3 5438.33		15.20	713.06	Subs 3.81

	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
					DRILLING STRING	DRILL COLLARS
DRILL COLLAR	22	6	2 7/8	683.06		
DATA	1	□ 7 1/16		29.97	130,000#	50,000#
DRILL COLLAR	22	6"	2 7/8	683.06		
DATA	1	□ 7 13/16		29.97	136,000#	50,000#
DRILL COLLAR	22	6	2 7/8	683.06		
DATA	1	□		29.97	136	50 M

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
37	HT-S	830	4 Am	7½	6073	45	41	
38	HT-S	730 Am		½			2	
38	HT-S	730 Am	~~4 Pm~~	7½	~~6075~~	45	42	
38	HT-S	7:30 PM		16¼		45	97	

Bit Serial No. 37 (25571) (725623) Table R.P.M. 90
Jet or Conventional - Jet Nozzle Size 13-13-16

Bit Serial No. 725623 Table R.P.M. 75
Jet or Conventional - Jet Nozzle Size ~~2-13~~ 1-16

Bit Serial No. 725623 Table R.P.M. 75
Jet or Conventional - Jet Nozzle Size 13-13-16

SURVEYS

Kind at Ft. Deg. off

MUD PUMP RECORD

	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
No. 1			1000	14	55	6
No. 1			700	14	56	6"
No. 1	8		700	14	56	5½
No. 2		on mud tank	—	14	60	5½

MUD RECORD

	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
		74	9.9	5.4	10.5	Gel 400#
		76	10.0	5.4	10.5	
	9:00	86	10.1			Peltex 50#
	11:00	85	10.1			Caustic 25#
	3:00	82	10.1	5.6	10	
	4:00	74	10.0	6.2	10.5	Gel 500#
	6:00	78	10.1	-	-	Peltex 100#
	8:00	75	10.1	6.0	10.5	Caustic 25#
	10:30	72	10.0	5.6	10.5	

CORING

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

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
Drlg 7 7/8" Hole	12 00	4 00	4
Trip for N. B	4 00	7 30	3½
Drlg 7 7/8" Hole	7 30	8 00	½
Boiler on 8 hrs only 8 hrs			

Driller D. Laybourn

	From	To	Hrs.
~~R.I.G. S.I.R~~	8 00	8 15	¼
DRLG 7 7/8 HOLE	8 15	4 00	7 3/4

Driller H. M. Dig.

	From	To	Hrs.
Drilling 7 7/8" Hole	4 00	12 00	8 00

Driller Walter Ford

CLASSES OF TIME BREAKDOWN

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

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 Louis Abel Approved by .....

Form 34402 (300 bks.-10-64)-P.P.Co. LOC Glacier 6-79-67-10-133-2

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 49

LSD..... SEC..... TWN..... RGE..... W..... Contractor Peter Bawden Type Rig D.J. well 64-6 Month May Day 22 1965

	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
	5885	5976	90	7 7/8		5975	6032	57	7 7/8"		6032	6053	21	7 7/8	
DRILLING STRING	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.
	4½	52643		31.70	713.06	4½	52802		28.11	713.06	4½	53457		19.46	713.06
	DRILL COLLAR	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL		DRILL COLLARS							
	COLLAR	22	6	2 13/16	683.09	DRILLING STRING		DRILL COLLARS							
	DATA	1	□		29.97	170		50							
BIT RECORD	No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed						
	36	W7-J	1:30 AM		6½		45	90	—						
	Bit Serial No. 31431				Table R.P.M. 100	Bit Serial No. 31431				Table R.P.M. 100	Bit Serial No. 25571				Table R.P.M. 90
	Jet or Conventional - Jet				Nozzle Size 3X13	Jet or Conventional - Jet				Nozzle Size	Jet or Conventional - JET				Nozzle Size
SURVEYS	Kind Totco at 5960 Ft.				Deg. off 4°	Kind Totco at 6032 Ft.				4½° Deg. off	Kind	at	Ft.		Deg. off
MUD PUMP RECORD	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size									
No. 1			1100	14	58	6									
No. 2		on tank	—	14	60	5½									
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	74	9.8	4.8	10.0	Peltex 100#		65	9.8	5.0	10.5	Gel 600#	11:00	75	10	5.2	10	GEL 400#
	3:00	6.9	9.6	4.8	10.5	Caustic 25#		73	9.9	5.1	10.5	Peltex 100#						PELTEX 100#
	5:00	76	9.9	5.0	10.5	Gel 300#		71	9.9	5.7	10.2	Caustic 25#						CAUSTIC 25#
	7:00	73	9.9	5.0	10.5	Cellex 25#		74	9.9	5.8	10.2							
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

From	To	Hrs.	Operations
12:00	12:15	¼	Service Rig
12:15	1:15	1	Ream in bit # 36
1:15	1:30	¼	Clean + ream 25' out hole
1:30	8:00	6½	Drill 7⅞" hole

Driller A. Ewert

From	To	Hrs.	Operations
5:00	9:45	¾	Drlg 7⅞" Hole
9:45	5:00	¼	Service Rig
5:00	3:00	6¼	Drlg 7⅞" Hole
3:00	3:30	¼	Survey
3:30	4:00	½	Hoist

Driller D. Magdanella

From	To	Hrs.	Operations
4:00	6:00	2	HOIST W/ BIT # 36 SLIP CUT
6:00	6:45	¾	SLIP CUT 44' DRLG LINE
6:45	8:30	1¾	RAN IN W/ BIT # 37
8:30	12:00	3½	DRLG 7⅞ HOLE.

TALLY 6003.89
SLM 6003.59
DIFF. .30

Driller H. McNeil

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 ..... REEL SERIAL No. .....

MNFR. OF KELLY HOSE IN USE ..... HOSE SERIAL No. .....

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

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

Form 34402 (300 bks.-10-64)-P.P.Co. 69°10' N 137° 00' W

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 42

1 RE Clar LSD F-29 SEC. TWN. RGE. W. Contractor Peter Pairden #16 Type Rig 640 Oilwell Month May Day 21 1965

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

DEPTH

From	To	Hole Made	Hole Size	Formation
5800	5860	60	7 7/8	

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4 1/2	51 64.91	-	9.70	747.56	

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
COLLAR	23	6"	2 7/8	717.09	DRILLING STRING	DRILL COLLARS
DATA	1	5" □		29.97	172M	52M

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
35	XDT		4:30	6	5860	50	78	-

Bit Serial No. E 24280 Table R.P.M. 90

Jet or Conventional - Jet Nozzle Size 3 x 13

SURVEYS

Kind Totco at 5860 Ft. 4° Deg. off

MUD PUMP RECORD

	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
No. 1	3 3/4		1100	14	57	6"
No. 2		8	on Loads	14	60	5 1/2"

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
1:00	65	9.9	5.4	10.5	Cellex 25#
3:00	90	9.9	5.4	10.5	Gel 600#
5:00	85	9.9	5.4	10.5	Caustic 15#
7:00					Pelex 50#

CORING

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

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
Drill 7 7/8" hole	1300	2115	2 1/4
Circulate sample	2115	3:00	3/4
Drill	3:00	4:30	1 1/2
Survey + repair air line in compound	4:30	5:45	1 1/4
Hoist bit # 35 To core	5:45	8:00	2 1/4
Broke on 8 hrs only 78'			

Driller: Art Lamb

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

DEPTH

From	To	Hole Made	Hole Size	Formation
5860	5885	25	7 7/8	

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4 1/2	540.75		34.00	374.30	64.38

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
COLLAR	12	6	2 7/8	374.30	DRILLING STRING	DRILL COLLARS
DATA						

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
2B	◇	10:30	2:45	4 1/4	5885	15	25	

Bit Serial No. [illegible] Table R.P.M. 90

Jet or Conventional - ◇ Nozzle Size

Kind at Ft. Deg. off

MUD RECORD

	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
			850	14	58	5 1/2"

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
	58	9.9	4.8	10.2	Cellex 25#
	65	9.8	4.9	10.2	Gel 300#
	70	9.8	5	10.2	

CORING

From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.
5860	5885	25			

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
Pick up Core BBl. - Save	8:00	8:30	1/2
Serv. Rig - B.P.s	8:30	8:45	1/4
Run in 8	8:45	10:30	1 3/4
Cutting Core # 19	10:30	2:45	4 1/4
Hoist	2:45	4:00	1 1/4

Driller: [signature]

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

DEPTH

From	To	Hole Made	Hole Size	Formation
	5885			

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4 1/2					

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

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed

Bit Serial No. Table R.P.M.

Jet or Conventional - Nozzle Size

Kind at Ft. Deg. off

MUD RECORD

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

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS

CORING

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

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
RIG SER	4:00	4:15	1/4
FINISH OUT	4:15	5:00	3/4
RECOVER CORE & SER BBL.	5:00	5:45	3/4
RAN IN TO REAM,	5:45	7:30	1 3/4
REAM RAT HOLE	7:30	8:00	1/2
CIRC POSSIBLE TEST	8:00	8:30	1/2
HOIST W/ REAMER	8:30	10:30	2
RAN IN DCS LAY DOWN TOP COLLARS	10:30	11:00	1/2
RIG LOOSE HRM RAN LOOSE HRM BIT #36 K.M. Rig	11:00	11:30	1/2

Driller: [signature]

CLASSES OF TIME BREAKDOWN

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

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 .....

Form 34402 (300 bks.-10-64)-P.P.Co.

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 46

10E Clar 67° 10' W 133° 00' N LSD SEC TWN RGE W Contractor Peter Bawden # 16 Type Rig 64B Oilwell Month May 20 Day 20 1965

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

DEPTH

From	To	Hole Made	Hole Size	Formation
5744	5775	31	7 13/16	

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4½	563 5318.82		15.52	374.30	6478.

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
COLLAR	12	6	2 7/8	374.30	DRILLING STRING	DRILL COLLARS
DATA					116	26

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
28	◇			10¾		14	43	—

Bit Serial No. EC 4502 Table R.P.M. 100

Jet or Conventional - — Nozzle Size —

SURVEYS

Kind at Ft. Deg. off

MUSH PUMP RECORD

	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
No. 1	8		900	14	47	6
No. 2		8	—	14	65	5½

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
3:00	75	10	5.4	10.5	Camtex 50#
3:00	75	10	5.4	10.5	Poltex 100#
5:00	75	10	5.4	10.5	
7:00	74	10	5.4	10.5	

CORING

From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.
5732	5775	43	-	—	—

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
Cut core # 18	12:00	8:00	8

Driller W. Quirk

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

From	To	Hole Made	Hole Size	Formation
5775	5782	7	7 13/16	

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4½	531881		22.52	374.30	25.88

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
COLLAR	12	6	2 7/8	374.30	DRILLING STRING	DRILL COLLARS
DATA						

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
28	◇		930	11¾	5782	14	50	

Bit Serial No. EC 4502 Table R.P.M. 100

Jet or Conventional - ◇ Nozzle Size

Kind at Ft. Deg. off

	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
			900	14	47	6

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
	80	98	2 6	10.5	
	/	/			

From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.
5775	5782	7	5'0	18	◇

	From	To	Hrs.
Cutting Core # 18	9:00	9:30	1/2
work Core BBl in tight hole	9:30	10:15	3/4
Hole	10:15	12:15	2
Core BBl & recover Core	12:15	1:30	1 1/2
Ream	1:30	3:15	1 3/4
Ream Rat hole	3:15	4:00	3/4

Driller [signature]

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

From	To	Hole Made	Hole Size	Formation
5782	5800	18	7⅞	

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4½	504466		9.95	743.56	SUB 183

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
COLLAR	23	6"	2 7/8	713.09	DRILLING STRING	DRILL COLLARS
DATA				2997	132000	52000

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
35	VH3	945		2¼		50	18	

Bit Serial No. Table R.P.M.

Jet or Conventional 14280 Nozzle Size 80

Kind at SET Ft. Deg. off 3

	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
		-	1200	14	56	6¼

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
					GEL 300#
9:00	80	10.			CELLEX 25#
11:00	65	10.			PEREX 50#
					CAUSTIC 25#

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

	From	To	Hrs.
RIG SER	4:00	4:15	1/4
REAM RAT HOLE	4:15	4:45	1/2
HOIST W/ REAMER	4:45	6:30	1 3/4
SLIP & CUT 44' DRLG LINE	6:30	7:15	3/4
RAN IN W/ BIT #35	7:15	9:00	1 3/4
REAM D COLLAR IN RAT HOLE	9:00	9:45	3/4
DRLG 7⅞ HOLE.	9:45	12:00	2¼

Driller K. M. Vig

CLASSES OF TIME BREAKDOWN

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

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 ____

Form 34402 (300 bks.-10-64)-P.P.Co.

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 45

10E Clare LSD 67° 10' W 133° 00' N SEC. TWN. RGE. W. Contractor Peter Bawden #16 Type Rig 64B Gilmore Month May Day 18 19 1965

	1st Tour From: 12:00 Midnight To: 8:00 a.m.																							
DEPTH	From	To	Hole Made	Hole Size	Formation																			
	5707	5732	26	7 13/16	Bear Rock																			
DRILLING STRING	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.																		
	4½	52 5734		47.10	374.30	56.71																		
	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL																		
	COLLAR	12	6	2 7/8	374.30	DRILLING STRING	DRILL COLLARS																	
	DATA					116 M	26 M																	
BIT RECORD	No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed															
	2B	◇	4:00 AM				14		—															
	Bit Serial No. EC 4502					Table R.P.M. 100																		
	Jet or Conventional - ◇					Nozzle Size																		
SURVEYS	Kind	at	Ft.	Deg. off																				
MUD PUMP RECORD	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size																		
No. 1	4		800	14	47	6																		
No. 2		8	—	14	65	5½																		
MUD RECORD	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS																		
	5:00	89	10	5.4	10.5	Caustic 25#																		
	7:00	90	10	5.4	10.5	Peltex 100#																		
CORING	From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.																		
	5707	5732	25	25	17																			
DETAIL OF OPERATIONS AND REMARKS							From	To	Hrs.															
	Joint test #5						12:00	12:30	½															
	Function Trials						12:30	1:15	¾															
	Pick up + new core Bbl						1:15	2:14	1															
	Run in To core						2:15	3:30	1¼															
	Circulate core Bbl						3:30	4:00	½															
	Cut core # 17						4:00	8:00	4															
	Driller W. Smith																							

	2nd Tour From: 8:00 a.m. To: 4:00 p.m.																							
DEPTH	From	To	Hole Made	Hole Size	Formation																			
	5732	5732	0	7 3/16																				
DRILLING STRING	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.																		
	4½	52 5734		47.10	374.30	56.71																		
	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL																		
	COLLAR	12	6	2 7/8	374.30	DRILLING STRING	DRILL COLLARS																	
	DATA					116 M	26																	
BIT RECORD	No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed															
	2	◇	4:00 AM	9:30	4½	5732	14																	
	Bit Serial No. EC 4502					Table R.P.M. 100																		
	Jet or Conventional - △					Nozzle Size																		
SURVEYS	Kind	at	Ft.	Deg. off																				
MUD PUMP RECORD	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size																		
No. 1			800	14	47	6																		
No. 2																								
MUD RECORD	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS																		
		45	10.1	5.4	10.5																			
CORING	From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.																		
DETAIL OF OPERATIONS AND REMARKS							From	To	Hrs.															
	Core → 17						8:00	8:15	¼															
	work 600 bbl in tight hole						8:15	10:30	2½															
	Hoist						10:30	12:30	2															
	Serv BBl + Recover Core						12:30	2:00	1½															
	Slip + cut 44 Line						2:00	2:30	½															
	Run in						2:30	4:00	1½															
	Driller W. Boyland																							

	3rd Tour From: 4:00 p.m. To: 12:00 p.m.																							
DEPTH	From	To	Hole Made	Hole Size	Formation																			
	5732	5744	12	7 13/16																				
DRILLING STRING	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.																		
	4½	58 8836		14.15																				
	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL																		
	COLLAR	12	6"	2 7/8	374.30	DRILLING STRING	DRILL COLLARS																	
	DATA																							
BIT RECORD	No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed															
	2B.	◇	9:45		2¼		14	+																
	Bit Serial No. EC 4203					Table R.P.M.																		
	Jet or Conventional - ◇					Nozzle Size 100																		
SURVEYS	Kind	at	Ft.	Deg. off																				
MUD PUMP RECORD	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size																		
No. 1			800	14	47	6																		
No. 2																								
MUD RECORD	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS																		
	5:00	78	10.1			H₂O																		
	11:00	88	10.1	5.2	10																			
CORING	From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.																		
	5732	5744	12		18																			
DETAIL OF OPERATIONS AND REMARKS							From	To	Hrs.															
	RIG SER						4:00	4:15	¼															
	REAM 7 13/16 – 7 15/16						4:15	4:45	½															
	CIRC COND. MUD						4:45	5:30	¾															
	HOIST REAMER						5:30	7:15	1¾															
	PICK UP SERVICE CORE BBL.						7:15	7:45	½															
	RAN IN W/ CORE BBL.						7:45	9:30	1¾															
	CIRC PRIOR TO CORING						9:30	9:45	¼															
	CUTTING CORE # 18						9:45	12:00	2¼															
	Driller K. M. Vig																							

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:

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

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 Louis Abel Approved by .....

Form 34402 (300 bks.-10-64)-P.P.Co. 67°10'N 133°00'W

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 44

10E Clare F79 LSD SEC TWN RGE W. Contractor Peter Bawden # 16 Type Rig Oilwell 64B Month May Day 19 1965

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

DEPTH

From	To	Hole Made	Hole Size	Formation
5620	5665	45	7 3/8	Bear Rock

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4 1/2	57/3 4884.92		34.69	743.56	

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
					DRILLING STRING	DRILL COLLARS
COLLAR	23	6	2 3/8	713.09		
DATA	1	6		29.94	135M	52M

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
34	H7-J					50M	65	50

Bit Serial No. 725654 Table R.P.M. 80

Jet or Conventional - Jet Nozzle Size 13-13-16

SURVEYS Kind at Ft. Deg. off

MUD PUMP RECORD

	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
No. 1	7	1	1000	14	57	6
No. 2	on tank			14	65	5 1/2

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
1:00	67	9.8	6.8	10.1	Gel 1300 #
3:00	67	9.8	6-8	10.2	Caustic 25 #
5:00	77	9.9	5.4	10.2	Peltex 50
7:00	83	10	5.4	10.2	

CORING

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

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
Circulate sample	12 00	12 30	1/2
Drill 7 3/4" Hole	12 30	2 00	1 1/2
Circ sample	2 00	3 00	1
Drill	3 00	5 30	2 1/2
Repair rotary chain	5 30	6 30	1
Drill	6 30	8 00	1 1/2

Driller W. Irwin

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

DEPTH

From	To	Hole Made	Hole Size	Formation
5665	5700	35	7 7/8	

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4 1/2	4915.54		34.13	743.56	

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
					DRILLING STRING	DRILL COLLARS
COLLAR	23	6	2 7/8	713.09		
DATA	1	7 5/8		29.94	135 000	52 000

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
34	H7-J		2 00 pm	13 1/4	5700	50	100	

Bit Serial No. 725654 Table R.P.M. 80

Jet or Conventional - Jet Nozzle Size 13-13-16

SURVEYS Kind at Ft. Deg. off

MUD PUMP RECORD

	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
			1000	14	57	6

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
	85	10	5.4	9.5	Caustic 25
	83	10	5.4	10	Peltex 50
	80	10	5.4	10	

CORING

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

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
Drlg 7 7/8" Hole	8 00	9 00	1
Serv. Rig + B.O.P.s	9 00	9 15	1/4
Drlg 7 7/8" Hole	9 15	12 30	3 1/4
Circ Samples & 5700'	12 30	2 00	1 1/2
Mix Tally out			

Driller D. Campbell

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

DEPTH

From	To	Hole Made	Hole Size	Formation
5700	5707	CORRECTION		

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4 1/2					

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

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed

Bit Serial No. Table R.P.M.

Jet or Conventional - Nozzle Size

SURVEYS Kind at Ft. Deg. off

MUD PUMP RECORD

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

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
	85	10			Caustic
	83	10			
	80	10			SLM 5707.46
					TALLY 5700.00
					DIFF 7.46

CORING

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

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
FINN IS HOUT W/ PIT #3	400	415	1/4
RIG SERV + BOPS	415	430	1/4
MAKE UP PACKER	450	530	1
RAN IN W/ PACKER	530	715	1 3/4
PUT ON HEAD & TAG BTM.	715	730	1/4
PACKER ON BTM.	730	1045	3 1/4
HOIST PACKER	1045	1200	1 1/4

Driller R. M. Dig

CLASSES OF TIME BREAKDOWN

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

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 Louis Abel Approved by .....

Form 34402 (300 bks.-10-64)-P.P.Co.

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 43

10E Clare LSD SEC TWN RGE W. 57° 12' N 133° 00' W Contractor Peter Bawden #16 Type Rig Oilwell 64B Month May Day 17 1965

1st Tour From: 12:00 Midnight To: 3:00 a.m.

DEPTH From	To	Hole Made	Hole Size	Formation
5600	5600			

DRILLING STRING Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4½					

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

BIT RECORD No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	Reamed
3-4	H.7-5							

Bit Serial No. 725654 Table R.P.M.

Jet or Conventional - Jet Nozzle Size

SURVEYS Kind at Ft. Deg. off

MUD PUMP RECORD	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
No. 1			1000	14	57	6
No. 2						

MUD RECORD Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS

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

DETAIL OF OPERATIONS AND REMARKS	From	To	Hrs.
Run in w/ packer	12⁰⁰	1³⁰	1½
Head up + set packer	1³⁰	1⁴⁵	¼
Testing - # 4 @ 5600'	1⁴⁵	5⁴⁵	4
Work test	5⁴⁵	7³⁰	1¾
Break down tools	7³⁰	8⁰⁰	
Boiler on 8 hrs only			

Driller Walter Trink

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

From	To	Hole Made	Hole Size	Formation
5600				

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4½				742.56	

	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL DRILLING STRING	DRILL COLLARS
DRILL COLLAR	23	6	2 7/8	713.09		
DATA	1	7 5/8		29.54	135000	52000

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	Reamed
3-4	H.7-5							

Bit Serial No. 725654 Table R.P.M.

Jet or Conventional - Jet Nozzle Size 13-16

Kind at Ft. Deg. off

HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
		1000	14	57	6

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
	90	10.1	6	9.5	
	65	10.1	6	9.5	

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

	From	To	Hrs.
Finish Laying down Packer	8⁰⁰	9⁰⁰	1
Repair Compound Chain	9⁰⁰	9⁴⁵	¾
Run in with Bit	9⁴⁵	11³⁰	1¾
Ream D collar to 5365'	11³⁰	12⁰⁰	½
Stuck in Hole Rig to	12⁰⁰		
Spot 0:1		4⁰⁰	4
Mixed 45 bbls of Diesel with 45 gals of Trimulso		Tail	

Driller D. Laycock

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

From	To	Hole Made	Hole Size	Formation
5600	5620	20	7⅞	

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4½	48540		20.41	742.56	SUB 183

	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL DRILLING STRING	DRILL COLLARS
DRILL COLLAR	23	6"	7½	713.09		
DATA	1	7 5/16		29.94	135000	52000

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	Reamed
3-4	H.7-5	8³⁰PM				50	20	

Bit Serial No. 725654 Table R.P.M. 75

Jet or Conventional - JET Nozzle Size 2-13 1-16

Kind at Ft. Deg. off

HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
		1000	14	57	6

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
10⁰⁰	75	10.2	6.8	9.5	PETEX 50 #
					CAUSTIC 20 #
					GEL 200 #

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

	From	To	Hrs.
MIX & PUMP DOWN 45 BBLS	4⁰⁰	5⁰⁰	1
OIL & 15 GALS TRIMULSO			
WORK STUCK PIPE.	5⁰⁰	7³⁰	2½
REAM RAT HOLE W/ D COLLAR	7³⁰	8³⁰	1
DRLG 7⅞ HOLE.	8³⁰		

Driller K. M. Vig

CLASSES OF TIME BREAKDOWN

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

MNFR. DRILLING LINE IN USE ..... REEL SERIAL No. .....

MNFR. OF KELLY HOSE IN USE ..... HOSE SERIAL No. .....

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

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

Form 34402 (300 bks.-10-64)-P.P.Co.

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 43

1 of Clair LSD 8 79 - 67-10-133-00 SEC. ..... TWN. ..... RGE. ..... W. ..... Contractor Peter Pond drlg #16 Type Rig Oilwell 64B Month May Day 16 1965

	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: 5550 To: 5558 Hole Made: 8 Hole Size: 7 7/8 Formation:	From: 5558 To: 5600 Hole Made: 42 Hole Size: 7 7/8 Formation:	From: 5 To: 5600 Hole Made: Hole Size: Formation:
DRILLING STRING	Size-D.P.: 4½ Stands: 53½ Singles: 4524.34 Kelly Dwn: 24.45 Drill. Collar Ft.: 650.53 Core Bbl. Ft.: 56.85 DRILL COLLAR: Number: 20 OD: 6 ID: 2 13/16 Length: 620.53 INDICATOR WEIGHT OF TOTAL: DRILLING STRING / DRILL COLLARS DATA: 1 OD: 7 7/8 Length: 29.94 122 M	Size-D.P.: 4½ Stands: 49 3.20 Singles: Kelly: Drill. Collar Ft.: 620.53 Core Bbl. Ft.: DRILL COLLAR: Number: 20 OD: 6 ID: 2 13/16 Length: INDICATOR WEIGHT OF TOTAL: DRILLING STRING / DRILL COLLARS DATA: 1 OD: 7 7/8 Length: 25.52	Size-D.P.: 4½ Stands: Singles: Kelly: Drill. Collar Ft.: Core Bbl. Ft.: DRILL COLLAR: Number: OD: ID: Length: INDICATOR WEIGHT OF TOTAL: DRILLING STRING / DRILL COLLARS DATA:
BIT RECORD	No.: 25 Type: D Time On Bottom At: 6.45 Time Pulled At: Total Hours Run: 1¼ Depth Pulled: Weight On Bit M Pounds: 10 FOOTAGE Drilled: Reamed: Bit Serial No.: EC 4502 Table R.P.M.: 103 Jet or Conventional - Core Nozzle Size: —	No.: 32 Type: D Time On Bottom At: 4.15 Time Pulled At: Total Hours Run: Depth Pulled: Weight On Bit M Pounds: 15 FOOTAGE Drilled: Reamed: Bit Serial No.: Table R.P.M.: 100 Jet or Conventional - D Nozzle Size:	No.: Type: Time On Bottom At: Time Pulled At: Total Hours Run: Depth Pulled: Weight On Bit M Pounds: FOOTAGE Drilled: Reamed: Bit Serial No.: Table R.P.M.: Jet or Conventional - Nozzle Size:
SURVEYS	Kind: Totco at: Intco Ft.: 3¼ Deg. off:	Kind: at: Ft.: Deg. off:	Kind: at: Ft.: Deg. off:
MUD PUMP RECORD No. 1 / No. 2	HOURS On Line: 1¼ Circulating: ¼ Pump Press: 1050 Length of Pump Stroke: 14 Strokes Per Min.: 46 Liner Size: 6	HOURS On Line: Circulating: Pump Press: 950 Length of Pump Stroke: 14 Strokes Per Min.: 47 Liner Size: 6	HOURS On Line: Circulating: Pump Press: Length of Pump Stroke: Strokes Per Min.: Liner Size:
MUD RECORD	Time: 7:00 Visc.: 85 Wt.: 10.0 W L: — pH: — ADDITIVES — POUNDS:	Time: Visc.: 42 Wt.: 10.2 W L: 5.6 pH: 10 ADDITIVES — POUNDS: Pol. - 50 Visc.: 45 Wt.: 10.2 W L: 5.7 pH: 10 Gel. - 20 Visc.: 90 Wt.: 10.2 W L: 5.4 pH: 9.5	Time: Visc.: Wt.: W L: pH: ADDITIVES — POUNDS:
CORING	From: 5550 To: 5558 Ft. Cored: 8 Ft. Rec'd.: Core No.: Type Bbl.:	From: 5558 To: 5600 Ft. Cored: 42 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.
Pick up core bbl & service & service rig	12:00	12:30	½
Repair pitch on high drum clutch	12:30	4.45	4¼
Run in core bbl	4.45	6.30	1¾
Circulate core bbl	6.30	6.45	¼
Cut core #16	6.45	8.00	1¼

Driller: A. Lindsay

	From	To	Hrs.
Cutting core #16	45	330	6¾
Wait on core	330	400	1

Driller: A. Lindsay

	From	To	Hrs.
FINNISH OUT W/CORE	400	415	¼
RECOVER CORE & SER. BBL.	415	515	1
RIG SER. & LUBS	515	530	½
RAN IN W/ REAMER	530	715	1¾
REAM 7 3/16 TO 7 15/16	715	830	1½
HOIST REAMER	830	1015	1¾
MAKE UP PECKER	1015	1115	1
SLIP & CUT DRLG LINE	1115	1200	¾

Driller: A. McDig

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 ..... REEL SERIAL No. .....

MNFR. OF KELLY HOSE IN USE ..... HOSE SERIAL No. .....

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

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

Form 34402 (300 bks.-10-64)-P.P.Co.

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 41

J.O.E. CLARE F79-64-10-123-0-0 LSD ..... SEC ..... TWN ..... RGE ..... W ..... Contractor PETER BALLON DRLG (1964) LTD Type Rig 64B OILWELL Month MAY Day 15 19 65

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

DEPTH

From	To	Hole Made	Hole Size	Formation
5425	5444	19	7⅞	

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4½	46	5	8.64	743.56	

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL DRILLING STRING	DRILL COLLARS
COLLAR	23	6"	2⅞	713.09		
DATA	1	7 13/16		29.94		52 000

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
33	H7-J	730	3:00 PM	7½		35	2	
32	V-MJ			16	5442	50	120	

Bit Serial No. (32) 28909 (33) 734031 Table R.P.M. 80

Jet or Conventional - JET Nozzle Size 2-13 3-14

SURVEYS

Kind 5442 at Ft. 3½ Deg. off

MUD RECORD

HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
		1200	14	57	6"

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
1:00	75	10.2	5.8	10.5	GEL 200#

CORING

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

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
RIG SER	0:00	12:15	¼
DRLG 7⅞ HOLE	12:15	2:45	2½
SURVEY	2:45	3:00	¼
HOIST FOR BIT	3:00	5:00	2
SLIP & CUT 44' DRLG LINE	5:00	5:45	¾
RAN IN W/BIT #33	5:45	7:30	1¾
DRLG 7⅞ HOLE	7:30	8:00	½

Driller K. McVig

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

DEPTH

From	To	Hole Made	Hole Size	Formation
5444	5510	68	7⅞	

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly Drop	Drill. Collar Ft.	Core Bbl. Ft.
4½	47	35.29	39.92	743.56	

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL DRILLING STRING	DRILL COLLARS
COLLAR	23	6"	2⅞	713.09		
DATA	1	7 13/16	2⅞	29.94	125M	52M

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
33	H7-J	7:30 AM				50M		

Bit Serial No. #33 - 734031 Table R.P.M. 80

Jet or Conventional - Jet Nozzle Size 13-13-14

SURVEYS

Kind at Ft. Deg. off

MUD RECORD

HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
7½ hrs		1150	14	57	6"
on mud tank		—	14	65	5½"

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
9:00	76	10	5.8	10.2	Caustic 10#
11:00	66	10	6.0	10.2	Pitrox 50#
1:00	76	10	6.0	10.2	Gel 600#
3:00	74	10	6.0	10.2	

CORING

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

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
Drill 7⅞" hole	8:00	10:00	2
Down rig & check BOP's	10:00	10:15	¼
Drill 7⅞" hole	10:15	4:00	5¾

Driller A. Brunt

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

DEPTH

From	To	Hole Made	Hole Size	Formation
5510	5550	40	7⅞	

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4½	47	64.91	29.70	743.56	

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL DRILLING STRING	DRILL COLLARS
COLLAR	23	6"	2⅞	713.09		
DATA	1	7 13/16		29.94		52

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
33	H7-J	7:30 AM	10:30	14½	5550	50	113	

Bit Serial No. 734031 Table R.P.M. 80

Jet or Conventional - Jet Nozzle Size 13-13-14

SURVEYS

Kind Tatco at 5550 Ft. 2½ Deg. off

MUD RECORD

HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
		1150	14	56	6

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
	72	10.5	6.6	10.5	Caltex 50#
	71	10.5	6.5	10.5	Caustic 15#
	73	10.5	6.4	10.5	Gel 400#

CORING

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

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
Drlg 7⅞" Hole	4:00	1:00	6
Survey	1:00	1:30	½
Hoist f/ TO CORE	10:15	12:00	1¾

Driller A. Laycraft

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:

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

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 Louis Thiel Approved by .....

Form 34402 (300 bks.-10-64)-P.P.Co.

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 40

J.D.E. CLARE F79-67-10-13-3-00 LSD ..... SEC ..... TWN ..... RGE ..... W ..... Contractor PETER BAWDEN DRLG (1964) 4TD Type Rig OILWELL 648 Month MAY Day 14 19 65

	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
	5276	5322	46	7 7/8		5322	5367	45	7 7/8		5367	5425	58	7 7/8	
DRILLING STRING	Size-D.P.	50 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.
	4½	45 53.54		23.07	743.56		4½	45 53.54	30.05	38.02	743.56	XOSUB 1.93	4½	46 44 Cs		24.55	743.56	
	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	23	6"	2 7/8	713.09	DRILLING STRING	DRILL COLLARS	COLLAR	23	6	2 7/8	713.09	DRILLING STRING	DRILL COLLARS	COLLAR	23	6	2 7/8	713.09	DRILLING STRING	DRILL COLLARS
	DATA				2994	122 000	52 000	DATA	1	□	2 7/8	24.94	128 M	52 M	DATA	1	7 7/8		29.94	122 000	52 000
BIT RECORD	No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed	No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed	No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
	21	Y H-J		7:00 AM	15	5322	50	112		32	W7-J	11:30				50	45		32	W7-J	11:30		13½		50	102	
	Bit Serial No. F24287				Tabie R.P.M. 80					Bit Serial No. 18909					Table R.P.M. 56				Bit Serial No. 28909					Table R.P.M. 90		
	Jet or Conventional - JET				Nozzle Size 3-13					Jet or Conventional - Jet					Nozzle Size 3X13				Jet or Conventional -					Nozzle Size 3 - 13		
SURVEYS	Kind TOTCO at 5322 Ft.				2¼ Deg. off	Kind at Ft.				Deg. off	Kind at Ft.				Deg. off												
MUD PUMP RECORD No. 1	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size									
		6½	1200	14	55	6"		on mud tour	1200	14	55	6			1200	14	56	6									
No. 2									—	14	65	5½															
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	87	10.1	6.6	9.5	PELTEX 50#		1:00	95	10.2	5.8	10.5	Gel 600#		1:00	80	10.1	6.8	10.5	Peltex 50#							
	2:00	88	10.2	6.6	9.5	CAUSTIC 10#		3:00	65	10.1	5.8	10.5	Peltex 50#			74	10.2	6.7	10.5	Caustic 10#							
	4:00	88	10.2	6.6	9.5	GEL 200#							Caustic 10#			75	10.2	6.6	10.5								
																75	10.2	6.6	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				From	To	Hrs.					From	To	Hrs.					From	To	Hrs.						
	RIG SER			12:00	12:15	¼		Thrust bit # 31			8:00	8:30	½		Drlg 7 7/8" Hole			4:00	12:00	8							
	DRLG 7⅞ HOLE			12:15	6:45	6½		Change bit, service rig & check BOP's			8:30	9:00	½														
	SURVEY			6:45	7:00	¼		Run in bit # 32			9:00	10:30	1½														
	HOIST FOR BIT			7:00	8:00	1		Drill 7⅞" hole.			10:30	4:00	5½														
	Driller H. M. Vig							Driller Victor Ivall							Driller D. Stapleville												

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:

REAMING: CIRCULATING: CORING: D.S. TESTING: RIG REPAIRS: CONDITION HOLE: LOST CIRC.: 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 Louis Abell Approved by .....

Form 34402 (300 bks.-10-64)-P.P.Co.

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 39

JOE CLARE E79-67-10-133-00
LSD..... SEC..... TWN..... RGE..... W.....

Contractor PETER BAWDEN DRLG (1964) LTD Type Rig DRILWELL 64B Month MAY Day 13 1965

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

DEPTH

From	To	Hole Made	Hole Size	Formation
5163	5190	27	7 7/8	

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4 1/2	44	3.96	40.65	743.56	

	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
					DRILLING STRING	DRILL COLLARS
COLLAR	23	6"	2 7/8	713.09		
DATA	1	7 3/4		29.94	120 000	62 000

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
30	ONIL	4 00 PM		4		45	27	

Bit Serial No. 49934 Table R.P.M. 60/80
Jet or Conventional - CONV Nozzle Size 11/16

SURVEYS

Kind at Ft. Deg. off

MUD PUMP RECORD

	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
No. 1	4		950	14	58	6"
No. 2						

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
500	70	10.1	6.4	10.5	GEL 300#
700	68	10.1	6.6	10.5	CAUSTIC 50#
					PELTEX 100#

CORING

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

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
FINNISH OUT W/ BIT #26	1200	100	1
CLEAN SUCTION RIG SER & V BOPS	100	130	1/2
SLIP & CUT 44' DRLG LINE	130	215	3/4
RAN IN W/ BIT #30	215	345	1 1/2
CLEAN TO BTM 8' FILL	345	400	1/4
DRLG 7 7/8 HOLE	400	800	4

Driller H. M. Vig

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

From	To	Hole Made	Hole Size	Formation
5190	5213	23	7 7/8	

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4 1/2	44	3.52	34.09	743.56	

	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
					DRILLING STRING	DRILL COLLARS
COLLAR	23	6"	2 7/8"	713.09		
DATA	1	7 3/4		29.94	124 000	

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
30	ONIL	430 AM	1200	7 1/2	5210	50M	47	
31	YH	330 PM		1/2		45	3	

Bit Serial No. 49934 (1) E 24287 Table R.P.M. 80
Jet or Conventional - Nozzle Size
Kind TOTCO at 5205 Ft. 3 1/4° Deg. off

	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
			1500	14	57	6

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
830	62	10.1	6.6	10.5	GEL 1100

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

	From	To	Hrs.
Rig Service & BOPs	800	815	1/4
Drilling	815	1145	3 1/2
Survey	1145	1200	1/4
Trip for Bit	1200	330	3 1/2
Drlg	330	400	1/2

Driller T. Bloom

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

From	To	Hole Made	Hole Size	Formation
	5276	63	7 7/8	

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
	4	43.62	26.99	743.56	

	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
					DRILLING STRING	DRILL COLLARS
COLLAR						
DATA	26	6	2 7/8	713.09		

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
31	YH	330		3 1/2		50	66	

Bit Serial No. E 24287 Table R.P.M. 75
Jet or Conventional - E Nozzle Size 13
Kind at Ft. Deg. off

	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
			1200	14	57	6

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
	55	10.1	6.6	10.5	Peltex 50#
	55	10.1	6.6	10.5	Caust. 10#
	83	10.1	6.6	10.5	

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

	From	To	Hrs.
Drlg 7 7/8" Hole	100	1200	8

Driller J. Laughmiller

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

DID YOU CHECK BLOWOUT PREVENTER EQUIPMENT TODAY
MNFR. OF KELLY HOSE IN USE ..... HOSE SERIAL No. ..... YES ..... NO .....

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

Form 34402 (300 bks.-10-64)-P.P.Co.

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 38

JOE CLARE F79-67 -10-133-00

LSD..... SEC..... TWN..... RGE..... W..... Contractor PETER BAWDEN DRLG LTD Type Rig DIZWELL 64B Month May Day 12 19 65

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

DEPTH

From	To	Hole Made	Hole Size	Formation
5033	5064	31	7 7/8	

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4 1/2	4282.41		36.20	743.56	

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
					DRILLING STRING	DRILL COLLARS
COLLAR	23	6"	2 7/8	713.09		
DATA	1	7 3/16		29.94	120 000	52 000

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
28	M4N			7		45	51	
29	M4L							

Bit Serial No. 723018 Table R.P.M. 85

Jet or Conventional - CONV Nozzle Size

SURVEYS

Kind TOTCO at 5050 Ft. 3° Deg. off

MUD PUMP RECORD

HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
		850	14	58	6

No. 1
No. 2

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
300	46	10.1	7.0	10.5	PELTEX 100
					CAUSTIC 50
					GEL. 600

CORING

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

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
RIGSER	8 00	12 15	4 1/4
DRLG 7 7/8 HOLE	12 15	4 45	4 1/2
SURVEY	4 45	5 00	1/4
HOIST FOR BIT	5 00	7 15	2 1/4
RAN IN W/ BIT # 29	7 15	8 00	3/4

Driller N. M. Dig

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

From	To	Hole Made	Hole Size	Formation
5064	5115	51	7 7/8	

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4 1/2	4282.41	60.45	21.00	743.56	Sub. 1.83

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
					DRILLING STRING	DRILL COLLARS
COLLAR	23	6"	2 7/8	713.09		
DATA	1	7 3/16		29.94	120 000	52 000

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
29	M4L	10 00 pm		6		50M	51	

Bit Serial No. 723018 Table R.P.M. 85

Jet or Conventional - JET Nozzle Size 3 X 13

Kind	at	Ft.	Deg. off

HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
6		1150	14"	57	6" 5 1/2

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
1100	120	10.2	7.0	10.5	PELTEX 100#
100	100	10.2	7.0	10.5	CAUSTIC 25#
300	94	10.2	6.8	10.5	

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

	From	To	Hrs.
RAN IN B.I.T # 29	8 00	9 45	1 3/4
RIG SERVICED BOP'S	9 45	10 00	1/4
DRILLING	10 00	4 00	6

Driller J Blair

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

From	To	Hole Made	Hole Size	Formation
5115	5163	48	7 7/8	

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4 1/2	4403.96		13.65	743.56	

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
					DRILLING STRING	DRILL COLLARS
COLLAR	23	6"	2 7/8	713.09		
DATA	1	7 3/16		29.94	120 000	52 000

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
29	M4L	10 00 pm	11 00 pm	13	5163	50		

Bit Serial No. 723018 Table R.P.M. 85

Jet or Conventional - Conv. Nozzle Size 3-13

Kind	at	Ft.	Deg. off

HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
		1200	14	57	6

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
	90	10.2	6.8	10.5	Peltex 100#
	85	10.2	6.9	10.5	Caustic 25#
	85	10.2	7.1	10.5	

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

	From	To	Hrs.
Drlg 7 7/8 Hole	4 00	11 00	7
Hoist for B.I.			

Driller N. Laydmith

CLASSES OF TIME BREAKDOWN

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

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 Louis Tibbel Approved by .....

Form 34402 (300 bks.-10-64)-P.P.Co.

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 37

J.O.E. CLARE F79-69-10-133-00
LSD SEC TWN RGE W Contractor PETER LAWSON & SONS (1964) LTD Type Rig OILWELL 640 Month MAY Day 11 19 65

	1st Tour From: 12:00 Midnight To: 8:00 a.m.																							
DEPTH	From	To	Hole Made	Hole Size	Formation																			
	4963	5003	40	7 7/8																				
DRILLING STRING	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.																		
	4½	4 19 14	5902	39.30	651.86	56.85																		
	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL																		
	COLLAR	21	6"	2 7/8	651.86	DRILLING STRING	DRILL COLLARS																	
	DATA					110 000																		
BIT RECORD	No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed															
	24	D	215		5 3/4		16																	
	Bit Serial No. EC4502						Table R.P.M. 90																	
	Jet or Conventional - /						Nozzle Size																	
SURVEYS	Kind	at	Ft.	Deg. off																				
FLUSH PUMP RECORD	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size																		
No. 1	5 3/4		850	14																				
No. 2																								
MUD RECORD	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS																		
	200	82	10.1	6.6	10.5	CAUSTIC 50#																		
						PELTEX 100#																		
						GEL 300#																		
CORING	From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.																		
	4963	5003	40		15	HYCOLOG																		
DETAIL OF OPERATIONS AND REMARKS			From	To	Hrs.																			
	RIG SER		12:00	12:15	1/4																			
	RAN IN W/CORE BBL		12:15	2:00	1 3/4																			
	CLEANED TO BTM.		2:00	2:15	1/4																			
	CUTTING CORE #15		2:15	8:00	5 3/4																			
	Driller H. M. Dig																							

	2nd Tour From: 8:00 a.m. To: 4:00 p.m.																							
DEPTH	From	To	Hole Made	Hole Size	Formation																			
	5003	5013	~~5013~~ 10	7 7/8																				
DRILLING STRING	Size-D.P.	Stands 51	Singles	Kelly 1N	Drill. Collar Ft. 9	Core Bbl. Ft.																		
	4½	46 4357		30.00	281.53	Subs & Reamer 14.76																		
	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL																		
	COLLAR	9	6"	2 7/8	281.53	DRILLING STRING	DRILL COLLARS																	
	DATA					98 000																		
BIT RECORD	No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed															
	2B	D	2:15	9:15	7	5013	16	50																
	Bit Serial No. EC4-502						Table R.P.M. 90																	
	Jet or Conventional - △						Nozzle Size																	
SURVEYS	Kind	at	Ft.	Deg. off																				
FLUSH PUMP RECORD	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size																		
No. 1			851#	14"	46	6"																		
No. 2																								
MUD RECORD	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS																		
	8:30	83	10.1	7.0	10.5																			
CORING	From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.																		
	4963	5013	50	50	15	Hycolog																		
DETAIL OF OPERATIONS AND REMARKS			From	To	Hrs.																			
	CUTTING Core #15		8:00	9:15	1 1/4																			
	Pull Core		9:15	11:00	1 3/4																			
	Handle Core & Service BBL		11:00	12:00	1																			
	Slip & Cut 44' Drlg Line		12:00	12:45	3/4																			
	Repair high chain in Drawworks		12:45	1:45	1																			
	Pick up Nobby reamer & B.T		1:45	2:15	1/2																			
	Run in w/ reamer & BIT		2:15	3:30	1 1/4																			
	Ream 4963-4975		3:30	4:00	1/2																			
	Driller J. Blair																							

	3rd Tour From: 4:00 p.m. To: 12:00 p.m.																							
DEPTH	From	To	Hole Made	Hole Size	Formation																			
	5013	5033	20	7 7/8																				
DRILLING STRING	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.																		
	4½	2 23 16		31 11 5"	743.56																			
	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL																		
	COLLAR	23	6	2 7/8	713.09	DRILLING STRING	DRILL COLLARS																	
	DATA	1	7 7/8		29.47	130 000	52 000																	
BIT RECORD	No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed															
	2D	HWDP	9:30 PM	—	21 1/2		45	20																
	Bit Serial No. 7351.36						Table R.P.M. 80																	
	Jet or Conventional - Conventional						Nozzle Size																	
SURVEYS	Kind	at	Ft.	Deg. off																				
FLUSH PUMP RECORD	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size																		
No. 1			850	14	27	6																		
No. 2																								
MUD RECORD	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS																		
		65	10.2	7.4		Gel 600																		
		71	10.1	7.2	10.5																			
CORING	From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.																		
DETAIL OF OPERATIONS AND REMARKS	~~Ream Rat Hole 4975-5013~~		From	To	Hrs.																			
	Ream Rat Hole 4975-5013		4:00	6:00	2																			
	Hoist Lay down Reamer		6:00	7:30	1 1/2																			
	Run in with Bit + ☐ Collar		7:30	9:00	1 1/2																			
	Ream ☐ Collar to T.D.		9:00	9:30	1/2																			
	Drlg.		9:30	12:00	2 1/2																			
	Driller J. Lapointe																							

CLASSES OF TIME BREAKDOWN

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

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 Louis Abel Approved by .....

Form 34402 (300 bks.-10-64)-P.P.Co.

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 36

CLARE FTG-67-10-133-09 LSD..... SEC..... TWN..... RGE..... W..... Contractor PETER BRAUSEN DRLG (1964) LTD Type Rig DILWELL 612 Month MAY Day 10 19 65

	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
	4829	4880	51	7 7/8		4880	4927	47	7 7/8		4927	4063	36	7 7/8	
DRILLING STRING	Size-D.P.	Stands 45	Singles	Kelly	Drill. Collar Ft.	Size-D.P.	Stands 45	Singles 2	Kelly 1A1	Drill. Collar Ft.	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.
	4 1/2	4 10373		32.88	743.56	4 1/2	4163.14		19.00	743.56	4"	4184.14		24.19	743.56
	DRILL COLLAR DATA	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL DRILLING STRING	DRILL COLLARS	DRILL COLLAR DATA	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL DRILLING STRING	DRILL COLLARS	DRILL COLLAR DATA	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL DRILLING STRING	DRILL COLLARS
	COLLAR	23	6"	2 7/8	713.59			COLLAR	23	6"	2 7/8	713.59			COLLAR						
	DATA	1	7 13/16		29.97	140 000	52 000	DATA	1	7 13/16		29.97	120 000	52 000	DATA						
BIT RECORD	No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed	No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed	No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
	26	M4N			15 3/4		45	118		26	M4N	4:00 pm	8:15 am	15 3/4	4880	45 m	118'		27	OWV	11:30	5:45	10 1/4	48	45	83	
										27	OWV	11:30 am		4 1/2		45 m	47										
	Bit Serial No. 839437				Table R.P.M. 80	Bit Serial No. 839457 (27) 50125				Table R.P.M. 100	Bit Serial No. 501-5				Table R.P.M. 90
	Jet or Conventional - Conv.				Nozzle Size 11/16	Jet or Conventional - Conv.				Nozzle Size 3 11/16	Jet or Conventional - Conv				Nozzle Size 11/16
SURVEYS	Kind	at	Ft.	Deg. off		Kind Totco	at 4845	Ft.	Deg. off 2		Kind	at	Ft.	Deg. off	
MUD PUMP RECORD	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
No. 1	7 3/4		950	14	58	6"	3 1/2		800	14"	58	6"			850	14	58	6
No. 2							1		600	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
	100	70	10.1	5.6	10.5	GEL 300#	100	79	10.1	6.6	10.5	CAUSTIC 25#		76	10.1	6.8	10.5	Peltex 100
	500	70	10.1	6.8	10.5	CAUSTIC 25#	300	65	10.1			PELTEX 50#		70	10.1	6.9	10.5	Caustic 25
						PELTEX 100#								70	10.1	6.8	10.5	Gel 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.

DETAIL OF OPERATIONS AND REMARKS

From	To	Hrs.	Description
1200	1215	1/4	RIG SER
1215	800	19 3/4	DRLG 7 7/8 HOLE

From	To	Hrs.	Description
800	815	1/4	Rig Service Drop Survey
815	1130	3 1/4	Trip To Change Bits
1130	400	4 1/2	Drilling

From	To	Hrs.	Description
400	945	5 3/4	Drlg
945	1200	2 1/4	Hose

Driller M. McVey

Driller S. Blair

Driller A. Campbell

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 ..... 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 G. Bowman Approved by .....

Form 34402 (300 bks.-10-64)-P.P.Co.

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 35

LSD. I.O.E CLARE F 79-69-10-133-00 SEC. TWN. RGE. W. Contractor PETER DAVIDSON (1965) LTD. Type Rig DRAWELL 64B Month May 9 Day 9 1965

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

DEPTH

From	To	Hole Made	Hole Size	Formation
4679	4740	61	7 7/8	

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4 1/2	3983.21	2	11.40	743.56	

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
					DRILLING STRING	DRILL COLLARS
COLLAR	23	6	2 1/2	713.59		
DATA	1	7 1/16		29.97	117 000	52 000

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
25	OWV	10 Pm.		9 3/4		50.	87	

Bit Serial No. 51299 Table R.P.M. 80

Jet or Conventional - CONV. Nozzle Size 3-1/16

SURVEYS

Kind at Ft. Deg. off

MUD PUMP RECORD

HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
9 3/4		850	14	58	5"

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
100	72	10	6.2	10.5	
500	68	10	7	10.5	

CORING

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

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
Rig Srv'd	12:00	12:15	1/4
Drlg 7 7/8 Hole	12:15	8:00	7 3/4

Driller K. McVey

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

DEPTH

From	To	Hole Made	Hole Size	Formation
4740	4762	22	7 7/8	

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4 1/2	3923.37	59.84	34.00	743.56	sub 1.83

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
					DRILLING STRING	DRILL COLLARS
COLLAR	23	6"	2 1/8	713.59		
DATA	1	7 7/16		29.97	117 000	52 000

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
25	OWV	10:00 PM	11:00 Pm	12 1/2	4762	50 M.	109	
26	M4N	4:00 PM						

Bit Serial No. 51299 (P26) 839457 Table R.P.M. 80

Jet or Conventional - CONV. Nozzle Size 3 13/16

SURVEYS

Kind at Ft. Deg. off

MUD PUMP RECORD

HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
		850	14"	58	6"

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
8:30	53	10.8		10.5	KCL 1200#
11:00	57	10.0		10.5	

CORING

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

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
Rig Service & BOPs	8:00	8:15	1/4
Drilling	8:15	11:00	2 3/4
Pull Bit # 25	11:00	1:00	2
Slip & Cut 88' Drlg line	1:00	2:00	1
Run in w/ Bit # 26	2:00	4:00	2

Driller T Blair

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

DEPTH

From	To	Hole Made	Hole Size	Formation
4762	4829	67	7 7/8	

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4 1/2	4043.76		39.85	743.56	

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
					DRILLING STRING	DRILL COLLARS
COLLAR	23	#6	2 1/2	713.59		
DATA	1	7 7/16		29.97	117 000	52 000

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
26	M4N	4 Pm		8		45	67	

Bit Serial No. 839457 Table R.P.M. 80

Jet or Conventional - Conventional Nozzle Size 11/16

SURVEYS

Kind at Ft. Deg. off

MUD PUMP RECORD

HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
		850	14	58	6

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
	70	10.1	6.8	10.5	Peltex 100
	72	10.1	6.7	10.5	Caustic 25
	71	10.1	6.9	10.5	Gel 300
	70	10.1	6.9	10.5	

CORING

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

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
Drlg 7 7/8" Hole	4:00	12:00	8

Driller L Stapleville

CLASSES OF TIME BREAKDOWN

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

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 D. Hansen Approved by .....

Form 34402 (300 bks.-10-64)-P.P.Co. I.O.C. CLARE F-79-67-10-133-00

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 34

LSD..... SEC..... TWN..... RGE..... W..... Contractor Peter Bawden Type Rig Oilwell 67-B Month May Day 8 19 62

	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
	4535	4575	40	7 7/8		4575	4640	65	7 7/8		4640	4679	39	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 42	Singles 2	Kelly 1nd	Drill. Collar Ft.	Core Bbl. Ft.
	4½	3798.31		31.30	743.56		4½		366.04	33.57	743.56		4½	3830.05	62.34	43.10	743.56	Subs 1.83
	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	23	6	2 7/8		DRILLING STRING / DRILL COLLARS	COLLAR	23	6	2 7/8	713.59	DRILLING STRING / DRILL COLLARS	COLLAR	23	6"	3 7/16	713.59	DRILLING STRING / DRILL COLLARS
	DATA	1	7 7/16			112000 / 52000	DATA	1			29.97	117000 / 52000	DATA	1	7 7/16		29.97	115000 / 52000
BIT RECORD	No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed	No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
	21	mwn	3:30pm		4½		45	40		21	mwn	3:30pm		17¼		50	105	
	24	mwn	3:30pm	6:00pm	13¾	4653	45m	118										
	25	owu	10:00pm		2		45m	26										
	Bit Serial No. 837587				Table R.P.M. 75		Bit Serial No. 837587				Table R.P.M. 80		Bit Serial No. 24: 837587 (25) 51299				Table R.P.M. 80	
	Jet or Conventional - Conv.				Nozzle Size 11/16		Jet or Conventional - Conv.				Nozzle Size		Jet or Conventional - Conv.				Nozzle Size 3 11/16	
SURVEYS	Kind	at	Ft.		Deg. off		Kind	at	Ft.		Deg. off		Kind TOTCO at 4640 Ft.				Deg. off 1½	
MUSH PUMP RECORD	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
No. 1			850	14	57	6			850	14	57	6			850	14"	58	6"
No. 2																		5½
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
		68	10	7.4	9.5	50# Peltex	9:00	73	10.	5.6	10.5		4:00	65	10	7	10.5	Caustic 25#
		73	9.9	7.4	10.5	50# Caustic	3:00	67	10	5.8	10.5							Peltex 50#
													10:00	70	10.	7	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		From	To	Hrs.		From	To	Hrs.		From	To	Hrs.
	Finish Reaming Pot Hole to 4535'	12:00	12:15	¼	Rig Service Pops	8:00	8:15	¼	Rig Service	4:00	4:15	¼
	Haul	12:15	1:30	1¼	Drlg 7⅞ Hole	8:15	4:00	7¾	Drilling	4:15	5:45	1½
	Run in	1:30	3:00	1½					Survey	5:45	6:00	¼
	Ream 8 Collars 100' to T.D	3:00	3:30	½					Pull Bit #24	6:00	7:30	1½
	Drlg 7⅞ Hole	3:30	8:00	4½					Slip & Cut 44' Drlg Line	7:30	8:15	¾
									Run in w/ Bit #25	8:15	10:00	1¾
									Drilling	10:00	12:00	2
	Driller W. Laycock				Driller K.M. Dig				Driller J. Blair			

CLASSES OF TIME BREAKDOWN

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

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 D. Hanna Approved by .....

Form 34402 (300 bks.-10-64)-P.P.Co. I.O.E. GIARE: F-79-67-10-133-00

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 33

LSD..... SEC..... TWN..... RGE..... W..... Contractor Peter Bowden Type Rig B-64 Oilwell Month May Day 7 1965

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

DEPTH

From	To	Hole Made	Hole Size	Formation
4460	4485	25	7 3/16	

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4 1/2	37 41.61		32.82	651.86	56.85

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
COLLAR	21	6	2 7/8	651.86	DRILLING STRING	DRILL COLLARS
DATA						

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
2B	◇	6:15 PM	4:00 AM	9 3/4	4485	16	50	

Bit Serial No. EC 4502 Table R.P.M. 90

Jet or Conventional - ◇ Nozzle Size

SURVEYS

Kind at Ft. Deg. off

MUD PUMP RECORD

No.	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
1			950	14	48	6
2						

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
	76	10.1	6	10.2	Pelletex 200
	75	10.1	6.2	10.5	

CORING

From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.
4460	4485	25	25	13	

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
Cutting Core # 13	12:00	4:00	4
Hoist	4:00	5:30	1 1/2
Recover 25' Core + Serv. Core BBl.	5:30	7:00	1 1/2
Run in	7:00	8:00	1

Driller A. Laydenick

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

DEPTH

From	To	Hole Made	Hole Size	Formation
4485	4532	47	7 7/8	

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4 1/2	37 99 31		22 15	651.86	56.86

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
COLLAR	21	6"	2 7/8	651.86	DRILLING STRING	DRILL COLLARS
DATA						

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
2B	◇	9:00 AM		7		16		

Bit Serial No. EC4502 Table R.P.M. 90

Jet or Conventional - ◇ Nozzle Size

Kind at Ft. Deg. off

HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
		950	14	48	6

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
900	75	10.1	6.6	9	GEL 500
100	65	10.1	5	9	

CORING

From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.
4485	4532	47		14	Hycolog

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
RIG SER. & BOPS	8:00	8:15	1/4
FINISH RIH W/ CORE BBL	8:15	9:00	3/4
CUTTING CORE # 14	9:00	4:00	7

Driller K. M. Day

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

DEPTH

From	To	Hole Made	Hole Size	Formation
4532	4535	3	7 3/16	

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4 1/2	41 97.10	Subs 7.80	30.00	281.50	Reamer 5.13

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
COLLAR	9	6"	2 7/8	281.50	DRILLING STRING	DRILL COLLARS
DATA					94,000	

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
2B	◇	9:00 PM	4:15	7 1/4	4535	16M	Core 38	56
23BB	MILS	9:00 PM				6M		100

Bit Serial No. 749460 Table R.P.M. 180

Jet or Conventional - JET T-13 Nozzle Size 3x13

Kind at Ft. Deg. off

HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
		1050	14"	58	6"

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
4:00	49	9.9	6.6	9.0	Del 1000 #
10:00	54	9.9	6.6	9.0	

CORING

From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.
4485	4535	50	50	14	Hycolog

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
CUTTING CORE # 14	4:00	4:15	1/4
PULL CORE	4:15	5:45	1 1/2
HANDLE CORE SERVICE BBL	5:45	6:45	1
PICK UP REAMER WELD ON BIT	6:45	7:30	3/4
RUN IN W/ REAMER	7:30	9:00	1 1/2
REAM 4435 - 4521	9:00	12:00	3

Driller T. Blair

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 ..... 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 D. Bonnar Approved by .....

Form 34402 (300 bks.-10-64)-P.P.Co. I.O.L. CLAIRE F. 79-67-10-133-00

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 32

LSD..... SEC..... TWN..... RGE..... W..... Contractor Peter Bawden Type Rig Oil Well 64-B Month MAY Day 6 19 65

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

DEPTH

From	To	Hole Made	Hole Size	Formation
4340	4400	60	7 7/8"	Lime

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4 1/2	3617.20		34.24	743.56	

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
					DRILLING STRING	DRILL COLLARS
COLLAR	23	6	2 7/8	713.59		
DATA	1	7 3/4		29.97	115 000	52 000

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
20	M45	7:30 p.m.		12 1/4		45		

Bit Serial No. 749460 Table R.P.M. 80

Jet or Conventional - 3 - 13 Nozzle Size 3-13

SURVEYS

Kind at Ft. Deg. off

MUD PUMP RECORD

No.	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
1			1000	14	64	5 1/2
2						

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
	74	10.1	6.0	10.5	Peltex 50#
	70	10.1	6.2	10.5	Caustic 25#
	67	10.1	6.3	10.5	
	65	10.1	6.5	10.5	

CORING

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

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
~~Drlg 7 7/8 Hole~~			
Drlg 7 7/8 Hole	12 00	12 15	1/4
Serv Rig	12 15	12 30	1/4
Drlg 7 7/8 Hole	12 30	8 00	7 1/2

Driller A. Snydmiller

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

DEPTH

From	To	Hole Made	Hole Size	Formation
4400	4435	35	7 7/8	

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4 1/2	3677.87		11.74	543.56	

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
					DRILLING STRING	DRILL COLLARS
COLLAR	23	6	2 7/8	713.59		
DATA	1	7 3/4		29.97	115000	52000

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
20	M45	7:30 a.m.	12:30	16 1/2	4435	50	132	

Bit Serial No. 749460 Table R.P.M. 80

Jet or Conventional - JET Nozzle Size 3-13

SURVEYS

Kind MISS RUN at Ft. Deg. off

MUD PUMP RECORD

No.	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
1			1000	14	64	5 1/2
2						

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
900	55	10.1	6.5	10.5	CAUSTIC 25#
1200	85	10.1			PELTEX 50#
					GEL 1000#

CORING

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

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
RIG SER + BOPS	8 00	8 15	1/4
DRLG 7 7/8 HOLE	8 15	12 30	4 1/4
CIRC PRIOR TO CORING	12 30	1 30	1
SURVEY	1 30	1 45	1/4
PULL OUT TO CORE	1 45	3 30	1 3/4
PICK UP + RUN IN CORE BBL	3 30	4 00	1/2

Driller K. McVig

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

DEPTH

From	To	Hole Made	Hole Size	Formation
4435	4460	25	7 7/8	

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4 1/2	3739.63		10.00	651.86	Sub 1.83 56.85

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
					DRILLING STRING	DRILL COLLARS
COLLAR	21	6"	2 7/4	651.86		
DATA					112,000	42000

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
2B	D	6:15 pm		5 3/4		16 M		

Bit Serial No. EC4502 Table R.P.M. 90

Jet or Conventional - D Nozzle Size

SURVEYS

Kind at Ft. Deg. off

MUD PUMP RECORD

No.	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
1	3 3/4		950	14"	48	6"
2			1000	14"	55	5 1/2

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
700	95	10.2	5	10.5	CAUSTIC 50#
1000	85	10.2	5	10.5	PELTEX 250#
1130	100	10.2	5.9	10.5	

CORING

From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.
4435		25		13	Hycolog

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
Rig Service	4 00	4 15	1/4
Slip + Cut 44' Drlg Line	4 15	4 45	1/2
Run in w/ Core BBL	4 45	6 15	1 1/2
Cutting Core # 13	6 15	12 00	5 3/4

Driller T. Blair

CLASSES OF TIME BREAKDOWN

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

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 G. Hancock Approved by .....

Form 3440 2 (300 bks.-10-64)-P.P.Co. I.O.E. F 79-67-10-133-00

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 31

LSD..... SEC..... TWN..... RGE..... W..... Contractor Peter Bawden Type Rig Oilwell 64-B Month MAY Day 2 1962

	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 4303 To Reaming Rat Hole. Hole Made . Hole Size . Formation .	From . To 4303 Hole Made . Hole Size . Formation .	From 4303 To 37 Hole Made 4340 Hole Size 7 7/8 Formation .
	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. 4 1/2 Stands 35 Singles . Kelly 27.00 Drill. Collar Ft. 743.06 Core Bbl. Ft. Sub 183
DRILLING STRING	DRILL COLLAR 9 OD 6 ID 2 7/8 Length 274.21 Number . INDICATOR WEIGHT OF TOTAL DRILLING STRING . DRILL COLLARS . DATA	DRILL COLLAR . OD . ID . Length . Number . INDICATOR WEIGHT OF TOTAL DRILLING STRING . DRILL COLLARS . DATA	DRILL COLLAR 23 OD 6" ID 2 7/8 Length 743.06 Number . INDICATOR WEIGHT OF TOTAL DRILLING STRING 112,000 DRILL COLLARS 52,000 DATA 1 7 13/16 2997
BIT RECORD	No. 1 Type Reamer 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. 23 Type M44J Time On Bottom At 7 30 pm Time Pulled At . Total Hours Run 4 1/2 Depth Pulled . Weight On Bit 45M FOOTAGE Drilled 37 Reamed .
	Bit Serial No. Reamer . Table R.P.M. . Jet or Conventional - . Nozzle Size .	Bit Serial No. . Table R.P.M. . Jet or Conventional - . Nozzle Size .	Bit Serial No. 749460 Table R.P.M. 80 Jet or Conventional - Jet Nozzle Size 3X13
SURVEYS	Kind . at . Ft. . Deg. off .	Kind . at . Ft. . Deg. off .	Kind . at . Ft. . Deg. off .
MUD PUMP RECORD No. 1 No. 2	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 2 1/4 Circulating . Pump Press 800 Length of Pump Stroke 14" Strokes Per Min. 40 Liner Size 6"
			On Line 4 1/2 Circulating . Pump Press 1000 Length of Pump Stroke 14" Strokes Per Min. 64 Liner Size 5 1/2
MUD RECORD	Time . Visc. . Wt. . W L . pH . ADDITIVES — POUNDS	Time . Visc. . Wt. . W L . pH . ADDITIVES — POUNDS	Time 7 00 Visc. 73 Wt. 10 W L 6.0 pH 10.5 ADDITIVES — POUNDS Caustic 25#
			9 00 70 10 6.0 10.5 Peltex 50#
			11 00 72 10 5.8 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

From	To	Hrs.	Operations
12 00	1 15	1 1/4	Finish Hoist
1 15	2 15	1	Recover 50' Core + Save BBL
2 15	3 00	3/4	Pick up Reamer + Weldon Bit
3 00	5 00	2	Run in
5 00	5 30	1/2	Lay down 8 Singles
5 30	8 00	2 1/2	Ream Rat Hole

Driller .....

From	To	Hrs.	Operations
8 00	8 15	1/4	R.B SERV PUMPS & KELLY COCK
8 15	10 15	2	REAM 7 13/16 TO 7 7/8
10 15	12 30	2 1/4	PULL OUT
12 30	3 15	2 3/4	WORK ON AIR CONTROLS.
3 15	4 00	3/4	RUN IN W/ BIT #23

Driller K. M. Vig

From	To	Hrs.	Operations
4 00	4 15	1/4	Big Service
4 15	5 15	1	Run in w/ Bit #23
5 15	7 30	2 1/4	Ream 4103 - 4303
7 30	12 00	4 1/2	Drilling

Driller J Blair

CLASSES OF TIME BREAKDOWN

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

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 D. Hanna Approved by .....

Form 34402 (300 bks.-10-64)-P.P.Co. IOE F-79-67-10-133-00

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 30

LSD..... SEC..... TWN..... RGE..... W..... Contractor Peter Bawden Type Rig Oil Well B-64 Month MAY Day 4 19 62

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

DEPTH

From	To	Hole Made	Hole Size	Formation
4226	4253	27	7 13/16	

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4 1/2	3528.45		14.01	651.86	

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
COLLAR	21	6	2 7/8	651.86	DRILLING STRING	DRILL COLLARS
DATA						

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
2B	◇	4:00 PM	5:45 PM	13 1/2	4233	16	50	

Bit Serial No. EC 4502 Table R.P.M.

Jet or Conventional - ◇ Nozzle Size

SURVEYS

Kind at Ft. Deg. off

MUD PUMP RECORD

	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
No. 1			1150	14	50	6
No. 2						

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
	63	10.1	5.4	10.5	Gel 500 lb
					Caustic 25 lb
					Peltex 50 lb

CORING

From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.
4226	4253	27	50	11	DIA

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
Cutting Core #11	12		

Driller D. Swyddwiller

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

From	To	Hole Made	Hole Size	Formation
4253	4270	17	7 7/8	

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4 1/2	3528.45		31.01	651.86	

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
COLLAR	21	6	2 7/8	651.86	DRILLING STRING	DRILL COLLARS
DATA						

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
2B	◇	11:45		4 1/2		16		

Bit Serial No. EC 4502 Table R.P.M. 85

Jet or Conventional - ◇ Nozzle Size

Kind at Ft. Deg. off

HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
4 1/2		1050	14	49	6

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
300	55	10.0	5.6	9.5	CAUSTIC 25
					PELTEX 50
					GEL 1000

From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.
4253	4270	17		12	Hycalog

	From	To	Hrs.
RECOVER CORE & SERVICE CORE BBL	8:00	9:00	1
RIG SER & W BOPS	9:00	9:15	1/4
RUN IN W/ CORE BBL.	9:15	10:15	1
WORK ON AIR LINES	10:15	10:45	1/2
FINISH IN	10:45	11:45	1
CUTTING CORE #12	11:45	4:00	

Driller K. M. Dick

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

From	To	Hole Made	Hole Size	Formation
4270	4303	33	7 13/16	

Size-D.P.	Stands 39	Singles	Kelly 1 N	Drill. Collar Ft.	Core Bbl. Ft.
4 1/2	3558.14		35.00	651.86	Sub 1.83 56.85

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
COLLAR	21	6"	2 7/8	651.86	DRILLING STRING	DRILL COLLARS
DATA					164,000 lbs	42,000 lbs

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
2B	◇	11:45 AM	11:00 PM	11	4303	16M		

Bit Serial No. EC 4502 Table R.P.M. 85

Jet or Conventional - ◇ Nozzle Size

Kind at Ft. Deg. off

HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
4 1/2		1050	14"	50	6"
2 1/2		750	14"	48	5 1/2

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
5:00	56	10.0	5.6	10.5	Gel 500 lb
7:00	70	10	5.6	10.5	Caustic 25 lb
10:00	70	10	5.6	10.5	Peltex 50 lb

From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.
4253	4303	50		12	Hycalog

	From	To	Hrs.
Cutting Core #12	4:00	5:15	1 1/4
Big Service	5:15	5:30	1/4
Cutting Core #12	5:30	11:00	6 1/2
Full Core	11:00	12:00	1

Driller T. Blanc

CLASSES OF TIME BREAKDOWN

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

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 E. Hamm Approved by P. Langevin

Form 34402 (300 bks.-10-64)-P.P.Co. I.O.E. Clare F-79-67-10-133-00

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 29

LSD..... SEC..... TWN..... RGE..... W..... Contractor Peter Baudoin Type Rig Oilwell 64-B Month MAY 3-65 Day 3 19 63

	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 4160 / To 4197 / Hole Made 37 / Hole Size 7 13/16 / Formation	From 4197 / To 4203 / Hole Made 6 / Hole Size 7 7/8 / Formation	From 4203 / To 4226 / Hole Made 23 / Hole Size 7 13/16 / Formation
DRILLING STRING	Size-D.P. 4½ / Stands 34 06.36 / Singles / Kelly 17.04 / Drill. Collar Ft. 651.86 / Core Bbl. Ft. 56.85	Size-D.P. 4½ / Stands 38 / Singles / Kelly 25.09 / Drill. Collar Ft. 651.86 / Core Bbl. Ft. 56.85	Size-D.P. 4½ / Stands 34 / Singles 1 / Kelly 30.78 / Drill. Collar Ft. 651.86 / Core Bbl. Ft. 18.00
	DRILL COLLAR DATA: Number 23 / OD 6 / ID 2 7/4 / Length 651.86 / INDICATOR WEIGHT OF TOTAL: DRILLING STRING 110000 / DRILL COLLARS 42 000	DRILL COLLAR DATA: Number 23 / OD 6" / ID 2 7/4 / Length 651.86 / INDICATOR WEIGHT OF TOTAL: DRILLING STRING 104000 / DRILL COLLARS 42.000	DRILL COLLAR DATA: Number 21 / OD 6" / ID 2 7/4 / Length 651.86 / INDICATOR WEIGHT OF TOTAL: DRILLING STRING 104 000 / DRILL COLLARS 42 000
BIT RECORD	No. 28 / Type D / Time On Bottom At 9.30 / Time Pulled At / Total Hours Run / Depth Pulled / Weight On Bit M Pounds 16,000 / FOOTAGE Drilled / Reamed	No. 28 / Type D / Time On Bottom At 9 30 / Time Pulled At 9 45 pm / Total Hours Run 10 3/4 / Depth Pulled 4203 / Weight On Bit M Pounds 16 000 / FOOTAGE Drilled 547 / Reamed	No. 28 / Type D / Time On Bottom At 4 00 PM / Time Pulled At / Total Hours Run 7 3/4 / Depth Pulled / Weight On Bit M Pounds 16 M / FOOTAGE Drilled / Reamed
	Bit Serial No. EC 4502 / Table R.P.M. 85 / Jet or Conventional - Christ D / Nozzle Size	Bit Serial No. EC 4502 / Table R.P.M. 85 / Jet or Conventional - CHRIST D / Nozzle Size	Bit Serial No. EC 4502 / Table R.P.M. 75 / Jet or Conventional - D / Nozzle Size
SURVEYS	Kind / at / Ft. / Deg. off	Kind / at / Ft. / Deg. off	Kind / at / Ft. / Deg. off
MUD PUMP RECORD No. 1 / No. 2	HOURS On Line / Circulating / Pump Press 1050 / Length of Pump Stroke 14 / Strokes Per Min. 49 / Liner Size 6	HOURS On Line / Circulating / Pump Press 1050 / Length of Pump Stroke 14 / Strokes Per Min. 49 / Liner Size 6"	HOURS On Line / Circulating / Pump Press 1150 / Length of Pump Stroke 14" / Strokes Per Min. 50 / Liner Size 6"
MUD RECORD	Time / Visc. / Wt. / W L / pH / ADDITIVES — POUNDS 1.00 / 75 / 10.2 / 5.4 / 10.2 / 30lb. POLLEX 5.00 / 78 / 10.2 / 5.4 / 10.2 / 20lb CAUSTIC	Time / Visc. / Wt. / W L / pH / ADDITIVES — POUNDS 900 / ~~45~~ / 10.4 / 5.2 / 7.2 / CAUSTIC 100#	Time / Visc. / Wt. / W L / pH / ADDITIVES — POUNDS 500 / 99 / 10.1 / 5.2 / 10.5 / 50 lb. G.B. 700 / 77 / 10.1 / 5.2 / 10.5 900 / 65 / 10.1 / 5.2 / 10.5 1100 / 60 / 10.1 / 5.2 / 10.5
CORING	From 4160 / To 4197 / Ft. Cored 37 / Ft. Rec'd. / Core No. / Type Bbl.	From 4197 / To 4203 / Ft. Cored 6 / Ft. Rec'd. 47" / Core No. 10 / Type Bbl. Hycalog	From 4203 / To / Ft. Cored 23 / Ft. Rec'd. / Core No. 11 / Type Bbl. Hycalog
DETAIL OF OPERATIONS AND REMARKS	Cutting Core No# 10 d — From 1200 / To 800 / Hrs. 8	CUTTING CORE #10 — From 800 / To 945 / Hrs. 1 3/4 HOIST FOR CORE BBL. — 945 / 1145 / 2 RECOVER CORE. — 1145 / 1230 / 3/4 RIG SERVICE BOPS. — 1230 / 1245 / 1/4 CHANGE SWIVELS ON CORE BBL. — 1245 / 200 / 1 1/4 RAN IN W/ CORE BBL. — 200 / 400 / 2	Rig Service — From 400 / To 415 / Hrs. 1/4 Cutting Core #11 — 415 / 1200 / 7 3/4
	Driller K Braybrooks	Driller K. M. Dig	Driller J Blair

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 ..... REEL SERIAL No. .....

MNFR. OF KELLY HOSE IN USE ..... HOSE SERIAL No. .....

DID YOU CHECK BLOWOUT PREVENTER EQUIPMENT TODAY YES 2 ..... NO .....

Total Contract Time ..... hrs. Total Company Time ..... hrs. Toolpusher L Hamm Approved by G Lagace

Form 34402 (300 bks.-10-64)-P.P.Co. I.O.L. Clare E-79-67-10-133.00

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 28

LSD..... SEC..... TWN..... RGE..... W..... Contractor Peter Bawden Type Rig Oil well 64-b Month May Day 2 1965

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

DEPTH

From	To	Hole Made	Hole Size	Formation
4100	4103	3	7 7/8	

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4 1/2	3370.61		22.45	651.86	56.86

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
COLLAR	21	6"	2 7/8		DRILLING STRING	DRILL COLLARS
DATA					100 000	42 000

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
2B (mud)		800	12[15]	10 1/4	4103	42	82	80
2B	◇	530				16		

Bit Serial No. EC. 4502 Table R.P.M. 70

Jet or Conventional - ◇ Nozzle Size

SURVEYS

Kind Totco at 4100 Ft. 1/2° Deg. off

PUMP RECORD

	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
No. 1			1100	14	49	6
No. 2						

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS

CORING

From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.
4103	4110	7			

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
Drlg. 7 7/8" Hole	1500	1215	1/4
Circ Sample	1215	1245	1/2
Survey	1245	100	1/4
Hoist	1[00]	3[00]	2
Pick up Circ. BBl	300	320	1/2
Slip - Cut 44' D.L.	320	400	1/2
Run in	400	530	1 1/2
Cutting Core # 9	530	800	2 1/2

Driller D. Smythsmith

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

DEPTH

From	To	Hole Made	Hole Size	Formation
4110		7	7 7/8	

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4 1/2	3400.80		31.14	651.86	56.86

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
COLLAR	21	6"	2 7/8	651.86	DRILLING STRING	DRILL COLLARS
DATA					100 000	42 000

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
2B	mud	530Am		10 1/4		16	39	
	◇							

Bit Serial No. EC. 4502 Table R.P.M. 85

Jet or Conventional - ◇ Nozzle Size

Kind at Ft. Deg. off

HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
7 1/4		1100	14	49	6

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
900	75	10.1	5.0	8.0	CAUSTIC 50 #
					PELTEX 25 #

From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.
4110	4149	39		9	HYCALOG

	From	To	Hrs.
CUTTING CORE # 9	800	1130	3 1/2
RIG SER	1130	1145	1/4
CUTTING CORE # 9	1145	400	4 1/4

Driller W. M. Vig

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

DEPTH

From	To	Hole Made	Hole Size	Formation
4149	4160	11	7 13/16	

DRILLING STRING

Size-D.P.	Stands 37	Singles 2	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4 1/2	3376.93	60.99	12.00	651.86	Sub 1.83 56.85

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
COLLAR	21	6"	2 7/8	651.86	DRILLING STRING	DRILL COLLARS
DATA					104 000	42 000

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
2B	◇	530 Am	430 pm	10 3/4	4153	16m	50	
2B	◇	930 PM						

Bit Serial No. EC4502 Table R.P.M. 85

Jet or Conventional - ◇ Nozzle Size

Kind at Ft. Deg. off

HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
		1050	14"	48	6"

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
430	69	10.2	5.6	8.0	
1000	74	10.3	5.0	8.5	

From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.
4103	4153	50	50	9	◇

	From	To	Hrs.
CUTTING CORE # 9	400	430	1/2
RIG SERVICE REPAIR JERK LINE	430	500	1/2
PULL CORE # 9	500	630	1 1/2
HANDLE CORE SERVICE BBL			
WAIT ON ORDERS	630	800	1 1/2
BUNDLE W/ CORE BBL	800	930	1 1/2
CUTTING CORE # 10	930	1200	2 1/2

Driller J. Blair

CLASSES OF TIME BREAKDOWN

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

MNFR. DRILLING LINE IN USE ..... REEL SERIAL No. .....

MNFR. OF KELLY HOSE IN USE ..... HOSE SERIAL No. .....

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

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

Form 34402 (300 bks.-10-64)-P.P.Co. IOE CLARE F-79-67-10-133-00 **IMPERIAL OIL LIMITED** **DAILY DRILLING REPORT No. 27**

IOE LSD. SEC. TWN. RGE. W. Contractor Peter Bawden Drlg Type Rig Oil well 447 Month May Day 1 19 65

	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 4012 / To 4034 / Hole Made 22 / Hole Size 7 7/8 7 13/16 / Formation	From 4034 / To 4052 / Hole Made 18 / Hole Size 7 13/16 / Formation	From 4052 / To 4100 / Hole Made 48 / Hole Size 7 7/8 / Formation
DRILLING STRING	Size-D.P. 4 1/2 / Stands 36 3286.13 / Singles 5 in 183 / Kelly 38.00 / Drill. Collar Ft. 651.86 / Core Bbl. Ft. 56.85	Size-D.P. 4 1/2 / Stands 33 16.63 / Singles / Kelly 24.83 / Drill. Collar Ft. 651.86 / Core Bbl. Ft. 56.85	Size-D.P. 4 1/2 / Stands 23 / Singles 1 3316.46 / Kelly 39.05 / Drill. Collar Ft. 743.56 / Core Bbl. Ft.
	DRILL COLLAR DATA: Number 21 / OD 6" / ID 2 7/4 / Length 651.86 / INDICATOR WEIGHT OF TOTAL: DRILLING STRING 74 000 / DRILL COLLARS 47000	DRILL COLLAR DATA: Number 23 / OD 6" / ID 2 7/4 / Length 651.86 / INDICATOR WEIGHT OF TOTAL: DRILLING STRING / DRILL COLLARS	DRILL COLLAR DATA: Number 23 / OD 6" / ID 2 7/8 / Length 713.09 / 1 29.97 / INDICATOR WEIGHT OF TOTAL: DRILLING STRING 100 ~~000~~ / DRILL COLLARS 52 ~~000~~
BIT RECORD	No. 22 / Type M4N / Time On Bottom At 11:00 pm / Time Pulled At 2:45 am / Total Hours Run 2 1/4 / Depth Pulled 4032 / Weight On Bit M Pounds 45M / FOOTAGE Drilled 31 / Reamed No. 23 / Type ◇ / Time On Bottom At 6:15 AM / Total Hours Run 1 3/4	No. 2B / Type ◇ / Time On Bottom At 6:15 / Time Pulled At 1:30 / Total Hours Run 7 1/4 / Depth Pulled 4052 / Weight On Bit M Pounds 16 / FOOTAGE Drilled 20 / Reamed	No. ~~22~~ RR / Type M4N / Time On Bottom At 8:00 / Total Hours Run 6 1/4 / Depth Pulled / Weight On Bit M Pounds 45 / FOOTAGE Drilled 19 / Reamed
	Bit Serial No. 839396 / EC4502 / Table R.P.M. 80 Jet or Conventional - Conv. / ◇ / Nozzle Size 3 13/16	Bit Serial No. EC 4502 / Table R.P.M. 85 Jet or Conventional - ◇ / Nozzle Size	Bit Serial No. 839396 / Table R.P.M. 75 Jet or Conventional - Conv. / Nozzle Size
SURVEYS	Kind at Ft. Deg. off	Kind at Ft. Deg. off	Kind at Ft. Deg. off
MUD PUMP RECORD	HOURS On Line / Circulating / Pump Press / Length of Pump Stroke / Strokes Per Min. / Liner Size No. 1 1050 14" 48 6" No. 2	HOURS On Line / Circulating / Pump Press / Length of Pump Stroke / Strokes Per Min. / Liner Size 1050 14 48 6	HOURS On Line ~~156~~ / Circulating / Pump Press 400 / Length of Pump Stroke 14 / 14 / Strokes Per Min. 58 / Liner Size 6"
MUD RECORD	Time / Visc. / Wt. / W L / pH / ADDITIVES — POUNDS 1 00 / 55 / 10.1 / / / Kel 1100# 7 00 / 59 / 10.1 / 5.2 / 9. / Carbonox 50# Caustic 25#	Time / Visc. / Wt. / W L / pH / ADDITIVES — POUNDS	Time / Visc. / Wt. / W L / pH / ADDITIVES — POUNDS 9 00 / 70 / 10.2 / 4.8 / 8.5 75 / 10.2 / 5.0 / 9.0
CORING	From / To / Ft. Cored / Ft. Rec'd. / Core No. / Type Bbl. 4032 / 4034 / 2 / / 8 / ◇	From / To / Ft. Cored / Ft. Rec'd. / Core No. / Type Bbl. 4034 / 4052 / 18 / 20' / 8 / DIA	From / To / Ft. Cored / Ft. Rec'd. / Core No. / Type Bbl.
DETAIL OF OPERATIONS AND REMARKS	From / To / Hrs. Rig Service 12 00 / 12 15 / 1/4 Drilling 12 15 / 1 30 / 1 1/4 Circ Sample & To Core 1 30 / 2 30 / 1 Survey & Blow mud Lines 2 30 / 2 45 / 1/4 Pull out To Core Strap out 2 45 / 4 15 / 1 1/2 Pick up & Run in Core BBL 4 15 / 6 00 / 1 3/4 Clean To Bottom 6 00 / 6 15 / 1/4 Cutting Core # 8 6 15 / 8 00 / 1 1/4	From / To / Hrs. Cutting Core No # 8 8 00 / 1 30 / 5 1/2 Hoist 1 30 / 3 00 / 1 1/2 Recover Core No # 8 + Secure BBL 3 00 / 4 00 / 1	From / To / Hrs. RIG SER. 4 00 / 4 15 / 1/4 WORK ON DRKWIS DRUM 4 15 / 5 00 / 3/4 RAN IN W/ BIT # 21 5 00 / 6 30 / 1 1/2 REAM RAT HOLE 6 30 / 8 00 / 1 1/2 DRLG 7 7/8 HOLE. 8 00 / 12 00 / 4
	Driller S Blair	Driller [signature]	Driller H. M. Dig

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 ..... REEL SERIAL No. .....

MNFR. OF KELLY HOSE IN USE ..... HOSE SERIAL No. .....

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

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

Form 34402 (300 bks.-10-64)-P.P.Co. IOE CLARE F-79-67-10-133-00

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 26

IOE LSD. SEC. TWN. RGE. W. Contractor Peter Baudin Drlg Type Rig Cdn. Oil. 64B Month April Day 30 1965

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

DEPTH

From	To	Hole Made	Hole Size	Formation
3952	3978	26	7 13/16	

DRILLING STRING

Size-D.P.	Stands 35	Singles 2	Kelly 1	Drill. Collar Ft.	Core Bbl. Ft.
4½	3906.65	59.50	12.00	651.86	5-56.85 5-1.83

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
COLLAR	21	6"	2 13/16	651.86	DRILLING STRING	DRILL COLLARS
DATA					96 000	47 000

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
28	Christensen	11:15 pm		8½		16M.	Core 26	

Bit Serial No. EC 4502 Table R.P.M. 90

Jet or ~~Conventional~~ - ◇ Nozzle Size

SURVEYS

Kind at Ft. Deg. off

MUD RECORD

HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
		1050	14"	48	6" 5½

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
100	50	10.1	5.4	10.2	Gel 800#
300	65	10.2	5.4	10.2	Caustic 20#
500	80	10.2	5.4	10.2	Carbonox 50#
700	77	10.3	5.4	10.2	

CORING

From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.
3951	3978	26	1'	7	◇

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
Cutting Core # 7	1200	645	6¾
Change rod Packing in Pump	645	700	¼
Coring	700	800	1

Driller J Blair

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

From	To	Hole Made	Hole Size	Formation
3978	4001	23	7 13/16	

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4½	3906.65		34.85	651.86	5-56.85 5-1.83

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
COLLAR	21	6	2 13/16	651.86	DRILLING STRING	DRILL COLLARS
DATA					96 000	47 000

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
28	◇	1115	330	16	4001	16	50	

Bit Serial No. EC 4502 Table R.P.M. 90

Jet or Conventional - Christensen ◇ Nozzle Size

Kind at Ft. Deg. off

HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
		1050	14	48	6

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
	78	10.1	5.4	10.5	Carbonox 50#
	76	10.2	5.6	10.5	Caustic 20#

From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.
3978	4001	23		7	◇

	From	To	Hrs.
Cutting Core # 7	800	330	7½
Hoist	330	400	½

Driller D Langdridge

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

From	To	Hole Made	Hole Size	Formation
4001	4012	11	7⅞	

Size-D.P.	Stands 3	Singles 1	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4½	3225	46	41.25	743.56	

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
COLLAR	23	6"	2¼	713.09	DRILLING STRING	DRILL COLLARS
DATA	1	7¾		2997	98 000	52 000

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
21	HTC	1100		1		45	11	

Bit Serial No. 839396 Table R.P.M. 80

Jet or Conventional - Conv Nozzle Size 2 1/16

Kind at Ft. Deg. off

HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
3½		700	14	58	6 11

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
1100	62	10.1			

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

	From	To	Hrs.
Hoist Core Bbl	400	500	1
Recover Core & Ser Core Bbl	500	545	¾
Rig Ser	545	600	¼
Ran in Core Bbl & DC's Orders	600	700	1
Change Pull out to Run Bit			
Ran in w/ Bit # 21	700	830	1
Ream Rat Hole	830	1100	2½
Drlg 7⅞ Hole	1100	1200	1

Driller N. M. Vig

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS

CLASSES OF TIME BREAKDOWN

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

MNFR. DRILLING LINE IN USE ..... REEL SERIAL No. .....
MNFR. OF KELLY HOSE IN USE ..... HOSE SERIAL No. .....

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

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

Form 34402 (300 bks.-10-64)-P.P.Co. JOE CLARE F-79-67-10-33-00 **IMPERIAL OIL LIMITED** **DAILY DRILLING REPORT No. 25**

JOE LSD SEC TWN RGE W Contractor PETER BAUDIN DRLG Type Rig OILWELL 64B Month APRIL Day 29 19 65

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

DEPTH

From	To	Hole Made	Hole Size	Formation
3856	3923	67	7 7/8	

DRILLING STRING

Size-D.P.	Stands 34	Singles 1	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4 1/2	3105.41	30.51	42.10	743.56	Sub 1.83

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
					DRILLING STRING	DRILL COLLARS
COLLAR	23	6"	2 7/8	712.09		
DATA	1	7 17/16		29.97	100 000	52 000

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
2/2	DWU	1:30 am	10:45 m	5 1/2	3932	45 m	67	

Bit Serial No. 51346 Table R.P.M. 70

Jet or Conventional - CONV. Nozzle Size 3 11/16

SURVEYS

Kind at Ft. Deg. off

FLUSH PUMP RECORD

No.	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
1			850	14"	58	6"
2						5 1/2

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
3:00	70	10.2	5.4	10.2	Bel 600#
5:00	80	10.2	5.4	10.2	Caustic 20#
7:00	77	10.2	5.4	10.2	Carbonox 50#

CORING

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

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
Run in w/ Bit #22	12:00	12:30	1/2
Rig Service	12:30	12:45	1/4
Ream Core hole	12:45	1:30	3/4
Drilling	1:30	4:45	3 1/4
Circ Sample	4:45	5:45	1
Drilling	5:45	8:00	2 1/4

Driller T. Blair

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

From	To	Hole Made	Hole Size	Formation
3923	3942	19	7 3/16	

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

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
					DRILLING STRING	DRILL COLLARS
COLLAR	23	6"				
DATA	1	7 3/16				

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
2B	◇	11:30						

Bit Serial No. EC 4502 Table R.P.M. 95

Jet or Conventional - Christensen ◇ Nozzle Size

Kind at Ft. Deg. off

HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
		1000	14		6

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
8:00	76	10.2	5.5	10.2	Carbonox 50#
11:30	77	10.2	5.5	10.2	Caustic 20#
1:00	75	10.2	5.4	10.2	
3:00	75	10.2	5.2	10.2	

From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.
3923	3942	19		6	

	From	To	Hrs.
Circ Sample	8:00	8:45	3/4
Hoist - Pick up Core Bbl.	8:45	10:00	1 1/4
Serv Rig - Check BOPs	10:00	10:15	1/4
Run in	10:15	11:30	1 1/4
Cutting Core # 6	11:30	4:00	4 1/2

Driller W. Stapleton

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

From	To	Hole Made	Hole Size	Formation
3942	3952	10	7 7/8	

Size-D.P.	Stands 35	Singles 1	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4 1/2		3225.46	16.00	651.86	56.85

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
					DRILLING STRING	DRILL COLLARS
COLLAR	21	6"	2 7/8	651.86		
DATA					96 000	50 000

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
2B	◇	11:15 pm		8		16		29

Bit Serial No. EC4502 Table R.P.M. 90

Jet or Conventional - CHRISTENSEN Nozzle Size

Kind at Ft. Deg. off

HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
3 1/2		1000	14	49	6"

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
5:00	75	10.3	6.8	10.2	

From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.
3923	3951	29	29	6	◇
3951	3952	1		7	◇

	From	To	Hrs.
R.O.S.	4:00	4:15	1/4
CUTTING CORE #6	4:15	7:00	2 3/4
HOIST CORE BBL.	7:00	8:30	1 1/2
RECOVER CORE + SER. BBL.	8:30	9:15	3/4
RAN IN DC'S	9:15	9:45	1/2
SLIP + CUT 44' DRLG LINE.	9:45	10:30	3/4
RAN IN W/ CORE BBL.	10:30	11:15	3/4
CUTTING CORE #7	11:15	12:00	3/4

Driller K. M. Dig

CLASSES OF TIME BREAKDOWN

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

MNFR. DRILLING LINE IN USE ..... REEL SERIAL No. .....
MNFR. OF KELLY HOSE IN USE ..... HOSE SERIAL No. .....

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

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

Form 34402 (300 bks.-10-64)-P.P.Co. Clare F-79-67-10-133-00

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 24

I.O.E. LSD. SEC. TWN. RGE. W. Contractor Peter Baudin Drlg. Type Rig Oilwell 64B Month April Day 28 1965

	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 3750 / To 3801 / Hole Made 51 / Hole Size 7 7/8 / Formation	From 3801 / To 3844 / Hole Made 43 / Hole Size 7 7/8 / Formation Shale	From 3844 / To 3856 / Hole Made 12 / Hole Size 7 7/8 / Formation
DRILLING STRING	Size-D.P. 4½ / Stands 30 13.86 / Singles / Kelly 42.10 / Drill. Collar Ft. 743.56 / Core Bbl. Ft. 50 1.83	Size-D.P. / Stands 30 74.23 / Singles / Kelly 25.89 / Drill. Collar Ft. 743.56 / Core Bbl. Ft.	Size-D.P. 4½ / Stands / Singles / Kelly / Drill. Collar Ft. / Core Bbl. Ft.
	DRILL COLLAR: Number 23 / OD 6" / ID 2 2/8 / Length 713.09	DRILL COLLAR: Number 23 / OD 6 / ID 2 2/8 / Length 713.09	DRILL COLLAR: Number / OD / ID / Length
	DATA: Number 1 / OD 7 13/16 / Length 29.97	DATA: Number 1 / OD 7 13/16 / Length 29.97	DATA: Number / OD / ID / Length
	INDICATOR WEIGHT OF TOTAL: DRILLING STRING 180 000 / DRILL COLLARS 52 000	INDICATOR WEIGHT OF TOTAL: DRILLING STRING 100 000 / DRILL COLLARS 52 000	INDICATOR WEIGHT OF TOTAL: DRILLING STRING / DRILL COLLARS
BIT RECORD	No. 19 / Type RR / Time On Bottom At 1:30 AM / Time Pulled At 7:30 AM / Total Hours Run 5 / Depth Pulled 3801 / Weight On Bit M Pounds 45M / FOOTAGE Drilled 51 / Reamed	No. 20 / Type RR / Time On Bottom At 10:30 / Time Pulled At 3844 / Total Hours Run 3 3/4 / Depth Pulled 3844 / Weight On Bit M Pounds 45 / FOOTAGE Drilled 43 / Reamed	No. 20 / Type Core / Time On Bottom At 6:45 / Time Pulled At / Total Hours Run 2½ / Depth Pulled / Weight On Bit M Pounds 16 / FOOTAGE Drilled / Reamed Core 12
	Bit Serial No. 791330 / Table R.P.M. 70	Bit Serial No. L 440 23 / Table R.P.M. 70	Bit Serial No. EC4502 / Table R.P.M. 95
	Jet or Conventional - S.T / Nozzle Size 2-12 1-13	Jet or Conventional - S.T / Nozzle Size 3-13	Jet or Conventional - / Nozzle Size
SURVEYS	Kind / at / Ft. / Deg. off	Kind / at / Ft. / Deg. off	Kind / at / Ft. / Deg. off
MUD PUMP RECORD	HOURS On Line / Circulating / Pump Press / Length of Pump Stroke / Strokes Per Min. / Liner Size	HOURS On Line / Circulating / Pump Press / Length of Pump Stroke / Strokes Per Min. / Liner Size	HOURS On Line / Circulating / Pump Press / Length of Pump Stroke / Strokes Per Min. / Liner Size
No. 1	1400 / 14" / 56 / 6"	1200 / 14 / / 6	2½ / 1300 / 14 / 49 / 6"
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
	3:00 / 78 / 9.9 / 6 / 10.2 / Mel 900 #	11:00 / 84 / 10.2 / 5.8 / 10.2	8:00 / 68 / 10.2 / 6.2 / 10.2 / Gel 800 #
	5:00 / 67 / 9.9 / 6 / 10.2 / Caustic 20 #	1:00 / 75 / 10.2 / 6. / 10.2	
	7:00 / 70 / 10.2 / 6 / 10.2 / Carbonex 55 #	2:00 / 74 / 10.2 / 6. / 10.2	
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.
		7 12/16 square DC on Tap # 20	3844 / 3856 / 12 / 12 / 5 / Dia

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
Slip & Cut 44' Drlg Line	12:00	12:30	½
Running in w/ Bit # 20	12:30	1:30	1
Ream 50' To Bottom	1:30	2:30	1
Drilling	2:30	7:30	5
Pulling Bit # 20	7:30	8:00	½

	From	To	Hrs.
Finish Hoist	8:00	9:45	3/4
Serv. Rig & Check Rope	9:45	9:00	1/4
Run in	9:00	10:15	1 1/4
Clean to TD	10:15	10:30	1/4
Drlg 7 7/8" Hole	10:30	1:00	2½
Circ Sample	1:00	1:30	½
Drlg	1:30	2:45	1 1/4
Circ Samples	2:45	3:15	½
Hoist	3:15	4:00	3/4

	From	To	Hrs.
Finish Hoist	4:00	4:45	3/4
Rig Ser	4:45	5:00	1/4
Pick up & Ran in Core Bbl.	5:00	6:30	1½
Clean to Btm & Circ Prior To Core.	6:30	6:45	1/4
Cut Core # 5	6:45	9:15	2½
Hoist Core Bbl	9:15	10:30	1 1/4
Recover Core.	10:30	11:00	½
Run in w/ Bit # 18	11:00	12:00	1

Driller J Belair / Driller K. Longmuir / Driller K. McNeil

CLASSES OF TIME BREAKDOWN

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

MNFR. DRILLING LINE IN USE ..... REEL SERIAL No. .....
MNFR. OF KELLY HOSE IN USE ..... HOSE SERIAL No. .....

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

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

Form 34402 (300 bks.-10-64)-P.P.Co. CLARC F-79-67-10-133-00

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 23

I O E LSD..... SEC..... TWN..... RGE..... W..... Contractor PETER BAWDEN DRLG Type Rig GILWELL 64 C Month APRIL Day 27 1965

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

DEPTH

From	To	Hole Made	Hole Size	Formation
3575	3633	58	7 7/8	

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4½	2834.99	30.50	23.00	743.56	sub 1.83

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
COLLAR	23	6"	2 7/4	713.09	DRILLING STRING	DRILL COLLARS
DATA	1	7 13/16		29.97	98 000	52 000

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
18	OSC 1J	7:00 a.m.	6:45 a.m.	11½	3633	45 m	109	

Bit Serial No. 50837 Table R.P.M. 75

Jet or Conventional - Conv. Nozzle Size 3 1/4

SURVEYS

Kind at Ft. Deg. off

MUD PUMP RECORD

	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
No. 1			850	14"	58	6"
No. 2						

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
1:00	74	10.4	5.6	10.2	Gel 600#
3:00	65	10.4	5.6	10.2	
5:00	65	10.4	5.6	10.2	
6:30	70	10.4	5.6	10.2	
					Mud Temp 66 F

CORING

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

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
Rig Service	12:00	12:15	1/4
Drilling	12:15	6:45	6½
Pull Bit #18	6:45	8:00	1¼
Hole Good			

Driller J. Blair

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

DEPTH

From	To	Hole Made	Hole Size	Formation
3633	3699	66	7 7/8	

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4½	2924	34	29.50	743.56	

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
COLLAR	23	6	2 7/4	713.09	DRILLING STRING	DRILL COLLARS
DATA	1	7 13/16		29.97		

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
19	OWV	9:45		6¼		45	65	

Bit Serial No. E0202 Table R.P.M. 75

Jet or Conventional - Conv Nozzle Size 11/16

Kind at Ft. Deg. off

MUD PUMP RECORD

	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
			850	14	58	6"

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
1:00	65	10.5	5.8	10.2	Gel 400#
1.00	65	10.5	5.6	10.2	Carbonox 50#
3.00	60	10.4	5.6	10.2	Caustic 20#

CORING

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

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
Finish Haul	8:00	8:15	¼
Serv Rig + BOPs	8:15	8:30	¼
Run in	8:30	9:45	1¼
Drlg	9:45	4:00	6¼

Driller W. Langdon

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

DEPTH

From	To	Hole Made	Hole Size	Formation
3698	3750	52	7 7/8	

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4½		28.46	19.96	743.56	

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
COLLAR	23	6"	2 7/4	713.09	DRILLING STRING	DRILL COLLARS
DATA	1	7 13/16		29.97	100 000	52 000

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
19	OWV	9:45		10½	3750	45	117	

Bit Serial No. E0202 Table R.P.M. 80

Jet or Conventional - Conv Nozzle Size 11/16

Kind Totco at 3750 Ft. 1½° Deg. off

MUD PUMP RECORD

	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
	5		850	14	58	6"
				14		5½"

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
5:00	62	10.3	6.4	10.2	Gel 1400
7.00	61	10.3	6.2	10.2	

CORING

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

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
CIRC SAMPLE + SERVICE RIG.	4:00	4:15	¼
DRLG 7⅞ HOLE.	4:15	8:30	4¼
CIRC. COND MUD	8:30	9:15	¾
SURVEY	9:15	9:30	¼
HOIST FOR BIT	9:30	11:00	1½
RAN IN DCS	11:00	11:45	¾
SLIP + CUT DRLG LINE.	11:45	12:00	¼

Driller K. M. Vig

CLASSES OF TIME BREAKDOWN

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

MNFR. DRILLING LINE IN USE ..... REEL SERIAL No. .....

MNFR. OF KELLY HOSE IN USE ..... HOSE SERIAL No. .....

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

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

Form 34402 (300 bks.-10-64)-P.P.Co. Clare F-79-67-10-133-00

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 22

10 LSD ..... SEC ..... TWN ..... RGE ..... W ..... Contractor Peter Bawden Drlg. Type Rig Oilwell 64B Month April Day 26 19 65

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

DEPTH

From	To	Hole Made	Hole Size	Formation
3376	3457	81	7 7/8	

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4 1/2	2652.45	70.35	29.00	743.56	Sub 1.83

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
					DRILLING STRING	DRILL COLLARS
COLLAR	23	6"	2 7/8	713.09		
DATA	1	7 7/16		29.97	96000	52000

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
17	OSC1G	8 30 3/4		11 1/4		45a	121	

Bit Serial No. 50773 Table R.P.M. 80

Jet or Conventional - Conv. Nozzle Size 3 1/16

SURVEYS

Kind at Ft. Deg. off

MUD PUMP RECORD

	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
No. 1		7 3/4	850	14"	58	6"
No. 2				14"		5 1/2

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
100	92	10.6	6.2	10.5	Bel 600#
300	81	10.6	6.2	10.5	
500	80	10.6	6.2	10.5	
700	90	10.6	6.2	10.5	

CORING

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

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
Rig Service	12 00	12 15	1/4
Drilling	12 15	8 00	7 3/4

Driller T. Blair

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

From	To	Hole Made	Hole Size	Formation
3457	3525	68	7 7/8	

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4 1/2	2744.03		32.37	743.56	

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
					DRILLING STRING	DRILL COLLARS
COLLAR	23	6	2 7/8	713.09		
DATA	1	7 3/16		29.97	96 000	52 000

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
17	OSC1G	830	3 15	18 1/4	3525	45	189	

Bit Serial No. 50773 Table R.P.M. 75

Jet or Conventional - Nozzle Size 11/16

Kind Tricone at 3525 Ft. 1/2 0 Deg. off

	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
			850	14	58	6

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
800	100	10.6	6.2	9.5	Bel 4000#
1100	85	10.6	6.2	10.2	Carbonox ✓ 50#
100	95	10.6	6.2	10.2	Caustic 25#

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

	From	To	Hrs.
Dol Serv Rig - Bops	800	830	1/2
Drlg	830	945	1 1/4
Surv	945	315	6 1/2
Hole	315	330	1/4
	330	400	1/2

Driller L. Engelmohler

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

From	To	Hole Made	Hole Size	Formation
3525	3575	50	7 7/8	

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4 1/2		2804.39	26.22	743.56	

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
					DRILLING STRING	DRILL COLLARS
COLLAR	23	6"	2 7/8	713.09		
DATA	1	7 5/16		29.97	98000	52000

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
18	OSC1G	700		5		45	50	

Bit Serial No. 50539 Table R.P.M. 75

Jet or Conventional - Conv. Nozzle Size 3 1/16

Kind at Ft. Deg. off

	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
	5		850	14	58	6"
				14		5 1/2"

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
9 00	78	10.6	4.5	10.7	Gel 1000#
11 00	62	10.5	5.2	10.2	Dumped Shaker Compartment

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

	From	To	Hrs.
Trip for Bit	400	500	1
Rig Ser & Blind Rams	500	515	1/4
Ran in w/ Bit #18	515	645	1 1/2
Break Circ. & Clean to Rim	645	700	1/4
Drlg 7 7/8 Hole	700	1200	5

Driller K. McVey

CLASSES OF TIME BREAKDOWN

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

MNFR. DRILLING LINE IN USE ..... REEL SERIAL No. .....
MNFR. OF KELLY HOSE IN USE ..... HOSE SERIAL No. .....

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

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

Form 34402 (300 bks.-10-64)-P.P.Co. CLARE F-79-67-10-133-00 **IMPERIAL OIL LIMITED** **DAILY DRILLING REPORT No. 16**

TOE LSD..... SEC..... TWN..... RGE..... W..... Contractor PeTer Bawlin Drlg Type Rig Oilwell 64B Month April Day 25 1965

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

DEPTH

From	To	Hole Made	Hole Size	Formation
3215	3278	63	7 7/8	

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4½	246.16	30.78	35.00	743.56	sub 183

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
					DRILLING STRING	DRILL COLLARS
COLLAR	23	6"	2 7/16	713.09		
DATA	1	7 13/16		29.97	96000	52000

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
15	M45	3:30 pm	12:30 am	8¼	3215'	45	60	
16	OSC1J	7:00 am		5			63	

Bit Serial No. "15" 696713 "16" 49434 Table R.P.M. 70

Jet or Conventional - 5 Jet 2x12 1-13 CONV. Nozzle Size 3 1/16

SURVEYS

Kind at Ft. Deg. off

MUD PUMP RECORD

	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
No. 1			850	14"	58	6"
No. 2						

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
3:00	100	10.5	6	10.5	Gel 400#
					CAUSTIC 30#
					PeLTex 100#

CORING

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

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
Rig Service	12:00	12:15	¼
Trip F/ Bits Hole Good	12:15	3:00	2¾
Drilling	3:00	8:00	5

Driller J Blais

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

DEPTH

From	To	Hole Made	Hole Size	Formation
3278	3336	58	7 7/8	

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4½	255.79			713.56	

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
					DRILLING STRING	DRILL COLLARS
COLLAR	23	6	2 7/16	713.09		
DATA	1	7 13/16		29.97	96000	52000

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
16	OSC1G	3 AM	3 PM	11½	3336	45	124	

Bit Serial No. 49434 Table R.P.M. 70

Jet or Conventional - CONV. Nozzle Size 11/16

Kind TOTCO at 3336 Ft. 1¾° Deg. off

MUD PUMP RECORD

	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
			850	14	58	6

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
9:00	115	10.6	7.4	10.5	Gel 600#
11:00	115	10.6	7.4	10.5	
2:00	120	10.6	7.	10.5	

Temp IN 80°F out 60°F

CORING

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

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
Delg	8:00	8:30	½
Serv. Rig - B.O.P.s	8:30	8:45	¼
Delg	8:45	3:00	6¼
Survey	3:00	3:15	¼
4 Hole	3:15	4:00	¾

Driller J Simpkinson

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

DEPTH

From	To	Hole Made	Hole Size	Formation
3336	3376	40	7 7/8	

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4½	255.79	31.19	39.63	743.56	

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
					DRILLING STRING	DRILL COLLARS
COLLAR	23	6"		713.09		
DATA	1	7 13/16		29.97	96000	52000

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
17	OSC1G	8:30 PM		3½		45	40	

Bit Serial No. 50773 Table R.P.M. 85

Jet or Conventional - CONV. Nozzle Size 3-11/16

Kind at Ft. Deg. off

MUD PUMP RECORD

	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
	3½		850	14	58	6"

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
9:00	118	10.8	5.6	10.5	CRAPONITE 50#
					CAUSTIC 25#

CORING

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

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
PULL BIT # 16	4:00	4:45	¾
RIG SER	4:45	5:00	¼
WORK ON DRAWS DRUM.	5:00	7:00	2
RAN IN W/ BIT # 17	7:00	8:30	1½
DRLG 7⅞ HOLE	8:30	12:00	3½

Driller H m Vig

CLASSES OF TIME BREAKDOWN

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

MNFR. DRILLING LINE IN USE ..... REEL SERIAL No. .....
MNFR. OF KELLY HOSE IN USE ..... HOSE SERIAL No. .....

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

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

Form 34402 (300 bks.-10-64)-P.P.Co.

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 2020

LSD..... SEC..... TWN..... RGE..... W..... Contractor PETER BAWDEN DRG Type Rig OILWELL 64 D Month APRIL 24 Day 24 19 65

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

DEPTH

From	To	Hole Made	Hole Size	Formation
3012	3145	133	7 7/8	

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4 1/2	23 75.48			743.56	

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
					DRILLING STRING	DRILL COLLARS
COLLAR	23	6"	2 7/8	713.09		
DATA	1	7 13/16		29.97	95000	62000

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
14	YT3			9 1/2		45 00	170	

Bit Serial No. E15423 Table R.P.M. 70

Jet or Conventional - JET Nozzle Size 2 1/16

SURVEYS

Kind at Ft. Deg. off

MUD PUMP RECORD

	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
No. 1	7 3/4		700	14	58	6"
No. 2				14		5 1/2

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
1:00	122	10.0	6.4	10.5	
3:00	125	10.3	6.4	10.5	
5:00	120	10.3	6.4	10.5	
7:00	130	10.3	5	10.5	

CORING

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

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
RIG SER	12 00	12 15	1/4
DRLG 7 7/8 HOLE.	12 15	8 00	7 3/4

Driller K. McKay

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

DEPTH

From	To	Hole Made	Hole Size	Formation
3145	13	3158	7 7/8	

DRILLING STRING

Size-D.P.	Stands 24	Singles	Kelly 14	Drill. Collar Ft.	Core Bbl. Ft.
4 1/2	2375.48		38.00	743.56	sub 1.83

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
					DRILLING STRING	DRILL COLLARS
COLLAR	23	6"	2 7/8	713.09		
DATA	1	7 13/16		29.97	95000	52000

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
14	YT3	10 15	9 00 am	10 1/4	3155	45	190	
15	M4LJ	3 30 pm		1/2		40	3	

Bit Serial No. "14" E15423 "15" 696713 Table R.P.M. 70

Jet or Conventional - Conv JET 2x13 1x13 Nozzle Size

Kind TOTCO at 3125 Ft. 1 1/4 Deg. off

MUD PUMP RECORD

	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
			1200	14	58	6"

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
8 30	117	10.5	5	10.5	

CORING

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

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
Rig Service Check BOPs	8 00	8 15	1/4
Drilling	8 15	9 00	3/4
Hole Survey	9 00	9 15	1/4
Pull Bit #14 Tight 5 STDs	9 15	10 45	1 1/2
Slip & Cut Ft Drlg line	10 45	1 15	2 1/2
Run in w/ Bit #15	1 15	2 30	1 1/4
Clean Bridge 90' To Bottom	2 30	3 30	1
Drilling	3 30	4 00	1/2

Driller L Blum

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

DEPTH

From	To	Hole Made	Hole Size	Formation
3158	3212	54	7 7/8	

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4 1/2	2036.64		34.84	742.56	

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
					DRILLING STRING	DRILL COLLARS
COLLAR	23					
DATA						

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
15	M4LJ	3 30 pm		8 1/4		45	54	

Bit Serial No. 696713 Table R.P.M.

Jet or Conventional - JET Nozzle Size 2x13 1x13

Kind at Ft. Deg. off

MUD PUMP RECORD

	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
			1200	14		6"
				14		5 1/2

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
5:00	120	10.4	5.2	10.5	Gel 300#
7:00	155	10.6	6.4	10.5	Pelflex 200#
9:00	140	10.4	6.2	10.5	Caustic 40#
11:00	135	10.4	6.0	10.5	

CORING

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

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
RIG SER	4 00	4 15	1/4
DRLG	4 15	12 00	7 3/4

Driller

CLASSES OF TIME BREAKDOWN

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

MNFR. DRILLING LINE IN USE ..... REEL SERIAL No. .....
MNFR. OF KELLY HOSE IN USE ..... HOSE SERIAL No. .....

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

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

Form 34402 (300 bks.-10-64)-P.P.Co.

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 19

LSD. 10 E. Clare F-79 SEC. ..... TWN. ..... RGE. ..... W. ..... Contractor Peter Bawden Drlg Type Rig Oilwell 64B Month April Day 23 19 65

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

DEPTH

From	To	Hole Made	Hole Size	Formation
~~2800~~	2905	105	7 7/8	

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4 1/2	2103.01	30.52	28.08	743.56	

	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
DRILL COLLAR	23	6"	2 7/8	713.59	DRILLING STRING	DRILL COLLARS
DATA	1	7 3/16		29.97	95000	~~62000~~

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
13	YTL	-		12		45	169	

Bit Serial No. F35194 Table R.P.M. 70

Jet or Conventional - JET Nozzle Size 3 4/16

SURVEYS

Kind at Ft. Deg. off

MUD PUMP RECORD

	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
No. 1	7 3/4		650	14	~~58~~ 50	6"
No. 2				14	~~54~~	5 1/2"

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
1:00	105	10.3	6.3	10.5	GEL 800
3:00	125	10.3	6.6	10.5	CELLEX 50
5:00	95	10.3	7	10.5	CAUSTIC 10
7:00	148	10.3	7.2	10.5	PELTEX 25

CORING

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

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
RIG SER	12:00	12:15	1/4
DRLG 7 7/8 HOLE	12:15	8:00	7 3/4

Driller K. McVig

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

DEPTH

From	To	Hole Made	Hole Size	Formation
2905	2965	60	7 7/8	

DRILLING STRING

Size-D.P.	Stands 24	Singles	Kelly 14	Drill. Collar Ft.	Core Bbl. Ft.
4 1/2	2194.70		34.00	743.56	5 & 1.83

	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
DRILL COLLAR	23	6"	2 7/8	713.59	DRILLING STRING	DRILL COLLARS
DATA	1	7 3/16		29.97	95000	62000

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
13	YTL	6:45	2:00	17	2965	45	224	

Bit Serial No. F35194 Table R.P.M. 70

Jet or Conventional - CONV. Nozzle Size 3 4/16

SURVEYS

Kind at Ft. Deg. off

MUD PUMP RECORD

	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
			750	14"	58	6"

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
9:00	200	10.3	6.6	10.5	PELTEX 225#
11:00	150	10.3	6.6	10.5	CAUSTIC 60#
2:00	140	10.3	5.6	10.6	

CORING

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

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
Rig Service Check BOP's	8:00	8:15	1/4
Drilling	8:15	1:15	5
Circ hole To Core	1:15	1:45	1/2
Survey & Blow Kelly	1:45	2:00	1/4
Pull out To Core	2:00	3:15	1 1/4
Pick up Core BBL	3:15	3:30	1/4
Run in w/ Core BBL	3:30	4:00	1/2

Driller J. Blair

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

DEPTH

From	To	Hole Made	Hole Size	Formation
2965	3012	47	7 7/8	

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4 1/2	2154.70	30.47	41.40	743.56	

	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
DRILL COLLAR	23	6"	2 7/8	713.59	DRILLING STRING	DRILL COLLARS
DATA	1	7 13/16		29.97	95000	62000

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
14	XT-3	10:00 PM		1 3/4		45-000	37	

Bit Serial No. F15423 Table R.P.M. 70

Jet or Conventional - CONV. Nozzle Size 4 4/16

SURVEYS

Kind at Ft. Deg. off

MUD PUMP RECORD

	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
			650	14	58	6"

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
6:00	115	10.3	6.2	10.5	
11:00	120	10.3	6.2	10.5	

CORING

From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.
2965	2975	10'	10	14	

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
RIG SER	4:00	4:15	1/4
RUN IN W/ CORE BBL	4:15	4:45	1/2
CIRC CORE BBL	4:45	5:00	1/4
CUT CORE NO 14	5:00	7:45	2 3/4
PULL OUT W/ CORE	7:45	8:45	1
RECOVER CORE 10'	8:45	9:15	1/2
RUN IN W/ BIT # 14	9:15	10:15	1
DRLG 7 7/8 HOLE	10:15	12:00	1 3/4

Driller [illegible]

CLASSES OF TIME BREAKDOWN

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

MNFR. DRILLING LINE IN USE ..... REEL SERIAL No. .....

MNFR. OF KELLY HOSE IN USE ..... HOSE SERIAL No. .....

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

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

Copies - 22 - 1.0E Area

Mud tests of 10 sets

in Dec. last 3 Packet rep.

734-62 Sinclair Bo

714-62 - 24 Dec's

P.F.

Hole 10 FT Deeper



Form 34402 (300 bks.-10-64)-P.P.Co. F-79-6T-10-133.00

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 16

LSD. 1 DE Clare SEC. ..... TWN. ..... RGE. ..... W. ..... Contractor PETE REDNDEN DR16 Type Rig DRAWELL 64B Month April 22 Day 22 19 64

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

DEPTH

From	To	Hole Made	Hole Size	Formation
3644	2670	26	7 7/8	

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4 1/2	18 28.29	6 08.4	35.46	743.56	

	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
						DRILLING STRING	DRILL COLLARS
COLLAR		20	6"	2 7/8	713.59		
DATA		1	7 13/16		29.97	90 000	62 000

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
12	515	6 15		1 3/4		40	26	

Bit Serial No. EHW121 Table R.P.M. 60

Jet or Conventional - JET Nozzle Size 3-12

SURVEYS

Kind at Ft. Deg. off

FLUSH PUMP RECORD

	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
No. 1	2 3/4		1200	14	58	6"
No. 2				14		5 1/2

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS

CORING

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

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
FINISH OUT W/ PACKER	12 00	1 00	1
BREAK & LAY DOWN PACKER	1 00	2 30	1 1/2
RIG SER	2 30	2 45	1/4
WORK ON DRKS.	2 45	3 15	1/2
RUN IN W/ B.T # 12	3 15	4 15	1
REP. LOW CHAIN	4 15	4 45	1/2
FINISH IN	4 45	5 15	1/2
BLOW KELLY CLEAN 25' TO BTM.	5 15	6 15	1
DRLG	6 15	8 00	1 3/4

Driller K. McNeil

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

DEPTH

From	To	Hole Made	Hole Size	Formation
2670	2736	66	7 7/8	

DRILLING STRING

Size-D.P.	Stands 21	Singles 1	Kelly 14	Drill. Collar Ft.	Core Bbl. Ft.
4 1/2	1919.16	30.29	42.10	743.56	Sub 1.83

	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
						DRILLING STRING	DRILL COLLARS
COLLAR		20	6"	2 7/8	713.59		
DATA		1	7 13/16		29.97	90 000	62 000

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
12Y	515	6 15	3 45	9 3/4	2736 2644	42	92	

Bit Serial No. E44181 Table R.P.M. 60

Jet or Conventional - Jet Nozzle Size 3X12

SURVEYS

Kind TOTCO at 2694 Ft. 1 1/2 Deg. off

FLUSH PUMP RECORD

	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
No. 1			1350	14 15	58	6"
No. 2				14"		5 1/2

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
8 30	175	10.2	6.2	10.5	Gel 500#
11 00	210	10.2	6.2	10.5	PolTex 260#
1 00	165	10.3	6.	10.5	Caustic 40#
3 00	165	10.3	6.	10.5	
					Temp 78°F.

CORING

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

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
Rig Service check BOP's Drilling	8 00	8 15	1/4
Circ hole Clean	8 15	3 15	7
Survey & Blow Mud lines	3 15	3 30	1/4
Hoist B.T # 12	3 30	3 45	1/4
	3 45	4 00	1/4

Driller T. Blair

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

DEPTH

From	To	Hole Made	Hole Size	Formation
2736	2800	64	7 7/8	

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4 1/2	20 10.56	3 1.04	13.01	743.56	

	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
						DRILLING STRING	DRILL COLLARS
COLLAR		23	6"	2 7/8	713.59		
DATA		1	7 13/16		29.97	92 000	62 000

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
13	XT-1	6 45 PM		5 1/4		45	64	

Bit Serial No. E35194 Table R.P.M. 65

Jet or Conventional - PUNK Nozzle Size 7 11/16

SURVEYS

Kind at Ft. Deg. off

FLUSH PUMP RECORD

	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
No. 1			600	14	58	6"
No. 2				14		5 1/2

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
2 00	140	10.3	6	10.5	Gel 40C#
9 00	120	10.3	6	10.5	Pol-Tex 50 Caustic 15
11 00	110	10.3	6.2	10.5	

CORING

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

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
Pull out w/ BIT # 12	4 00	5 15	1 1/4
Rig Ser.	5 15	5 30	1/4
Run in w/ B.T # 13	5 30	6 45	1 1/4
Drlg 7 7/8 Hole	6 45	12 00	5 1/4

Driller W. Thomson

CLASSES OF TIME BREAKDOWN

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

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 J. Hansen Approved by G. Tougas

Form 34402 (300 bks.-10-64)-P.P.Co.

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 17

LSD..... SEC..... TWN..... RGE..... W..... Contractor ..... Type Rig Loadmaster Month April A.D. Day 24 1965

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

DEPTH

From	To	Hole Made	Hole Size	Formation
2505	2620	115	7 7/8	

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4½	18 28.29	30.56	24.71	734.62	Sub. 1.83

	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
					DRILLING STRING	DRILL COLLARS
DRILL COLLAR	23	6"	2 7/8	704.65		
DATA	1	7 3/16		29.97	90 000	62 000

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
11	YTIA	5 45 pm		14		45	210	

Bit Serial No. E35413 Table R.P.M. 70

Jet or Conventional - Conv. Nozzle Size 3-11/16

SURVEYS

Kind at Ft. Deg. off

PUMP RECORD

	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
No. 1	7 3/4		600	14	59	6"
No. 2				14		5½

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
1:00	120	10.3	8	10.5	CAUSTIC 25#
3:00	98	10.3	8.4	10.5	GEL 600#
5:00	148	10.3	7.6	11.	
7:00	105	10.1	7.8	10.5	

CORING

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

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
R.G SER	12 00	12 15	¼
DRLG 7⅞ HOLE	12 15	8 00	7 3/4

Driller K. M. Dig

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

From	To	Hole Made	Hole Size	Formation
2620	2644	24	7 7/8	

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4½	18 28.29	60.84	19.1	734.62	Sub 1.83

	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
					DRILLING STRING	DRILL COLLARS
DRILL COLLAR	23	6"	2 7/8	704.65		
DATA	1	7 3/16		29.97	90 000	62 000

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
11	YTIA	5 45 pm	9 45 pm	15¼	2644	45	234	

Bit Serial No. E35413 Table R.P.M. 70

Jet or Conventional - Conv. Nozzle Size 3 11/16

Kind Totco at 2620 Ft. 1¼ Deg. off

HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
		700	14	59	6"

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
9:00	103	10.2	10	10.5	Gel 1000#
1:30	116	10.2	8.6	10.5	CAUSTIC 50#
3:00	160	10.2			Peltex 150# Cellex 50
		S.L.M. 2645.18			
		TALLY 2644.57			

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

	From	To	Hrs.
DRILLING	8 00	8 30	½
RIG SERVICE CHECK BOPS	8 30	9 00	½
DRILLING	9 00	9 45	¾
CIRC SAMPLES & TO TEST SURVEY	9 45	10 45	1
	10 45	11 00	¼
RAIL TSTDS TO TEST	11 00	11 30	½
RUN IN TO BOTTOM HEAD BRIDGES	11 30	1 00	1½
CIRC COND MUD	1 00	3 30	2½
HOIST TO TEST STRAP OUT	3 30	4 00	½

Driller J. Blair

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

From	To	Hole Made	Hole Size	Formation

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

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

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed

Bit Serial No. Table R.P.M.

Jet or Conventional - Nozzle Size

Kind at Ft. Deg. off

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

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS

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

	From	To	Hrs.
RIG SER	4 00	4 15	¼
TRIP OUT F/DST	4 15	5 00	¾
MAKE UP PACKER	5 00	6 45	1 3/4
RUN IN W/ PACKER	6 45	8 15	1½
TESTING	8 15	11 30	3¼
TRIP OUT W/ PACKER	11 30	12 00	½

Driller W. Workman

CLASSES OF TIME BREAKDOWN

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

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 Louis Abel Approved by E. Laverson

Form 3440 2(300 bks-10-66) PLP Co. F.79-67-10-133-00

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 16

LSD..... SEC..... TWN..... RGE..... W..... Contractor PETER BAMDEN DRLG Type Rig OILWELL 64B Month April Day 20 19 65

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

DEPTH

From	To	Hole Made	Hole Size	Formation
2220	2340	120	7 7/8	

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4 1/2	155.66		37.89	734.62	

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
COLLAR	23	6"	2 7/8	704.65	DRILLING STRING	DRILL COLLARS
DATA	1	7 13/16		2997	78 000	62 000

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
10	YTL	12:00		10 1/4		45000	150	

Bit Serial No. 44218 Table R.P.M. 70

Jet or Conventional - J-T Nozzle Size 3-11/16

SURVEYS

Kind at Ft. Deg. off

PUSH PUMP RECORD

	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
No. 1	7 1/2		600	14	58	6"
No. 2				14		5 1/2

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
1:00	92	10.0	9.0	10.5	GEL 500#
3:00	104	10.0	8.2	10.5	
5:00	115	10.0	8.2	10.5	
7:00	120	10.0	8.4	10.5	

CORING

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

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
DRLG 7 7/8 HOLE.	12:00	1:15	1 1/4
RIG SER.	1:15	1:30	1/4
DRLG	1:30	4:15	2 3/4
WORK ON DKWS.	4:15	4:30	1/4
DRLG.	4:30	8:00	3 1/2
T.D. 2340			

Driller K. M. Dyg

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

From	To	Hole Made	Hole Size	Formation
2340	2410	70	7 7/8	

Size-D.P.	Stands 18	Singles	Kelly 14	Drill. Collar Ft.	Core Bbl. Ft.
4 1/2	1647.79		26.00	734.62	543 1.83

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
COLLAR	23	6"	2 7/8	704.65	DRILLING STRING	DRILL COLLARS
DATA	1	7 13/16	[illegible]	29.97	80.000	62.000

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
10	YTL	12:00	2:15 pm	15	2410	45	220	

Bit Serial No. 44218 Table R.P.M. 70

Jet or Conventional - Conv. Nozzle Size 3 11/16

Kind TOTCO at 2390 Ft. Deg. off 1

	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
			700#	14"	59	6"

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
9:00	105	10.1	8.4	10	MCL 800#
12:00	105	10.1	8.4	10	

mud 6H F. pmp

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

	From	To	Hrs.
Rig Service Check BOP's	8:00	8:15	1/4
Drilling	8:15	1:00	4 3/4
Circ Hole Clean	1:00	1:30	1/2
Blow Mud Lines & Survey	1:30	2:15	3/4
Pull Bit # 10	2:15	3:30	1 1/4
Run in w/ Bit # 11	3:30	4:00	1/2

Driller J Blan

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

From	To	Hole Made	Hole Size	Formation
2410	2505	95	7 7/8	

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4 1/2	1237.52		30.97	734.62	543 1.83

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
COLLAR	23	6"	2 7/8	704.65	DRILLING STRING	DRILL COLLARS
DATA	1	7 13/16	2	2997	90.000	62.000

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
11	YTLA	5:45 pm		6 1/4		45	95	

Bit Serial No. E35413. Table R.P.M. 70

Jet or Conventional - Conv. Nozzle Size 3 11/16

Kind at Ft. Deg. off

	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
		7 1/4	600	14	59	6"
				14		5 1/2

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
7:00	110	10.1	7.4	10.5	GEL 1000 #
9:00	130	10.1	7.4	10.0	
11:00	135	10.1	7.4	10.0	

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

	From	To	Hrs.
Rig Ser	4:00	4:15	1/4
Run in w/ Bit # 11	4:15	4:45	1/2
Clean Bridges from 2340-2410	4:45	5:45	1
Drlg 7 7/8 Hole	5:45	12:00	6 1/4

Driller W. Thorkman

CLASSES OF TIME BREAKDOWN

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

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 Louis Mikel Approved by .....

Form 34402 (300 bks.-10-64)-P.P.Co.

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 14

LSD..... SEC..... TWN..... RGE..... W..... Contractor PETER BAWDEN DRLG Type Rig OILWELL 648 Month APRIL Day 19 1965

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

DEPTH

From	To	Hole Made	Hole Size	Formation
2040	2175	135	7 7/8	

DRILLING STRING

Size-D.P.	16 Stands	1 Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4 1/2	146572	3095	25.99	650.31	

	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL DRILLING STRING	DRILL COLLARS
DRILL COLLAR	20	6"	2 7/8	620.34		
DATA	1	7 13/16		29.97	77000	52000

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
9	YIA	12:00		19 1/2		42	350	

Bit Serial No. E35414 Table R.P.M. 70

Jet or Conventional - CONVENTIONAL Nozzle Size 3-11/16

SURVEYS Kind at Ft. Deg. off

MUD PUMP RECORD

	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
No. 1	7 3/4		600	14	60	6"
No. 2				14		5 1/2"

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
1:00	135	9.9		10.5	PELTEX 50#
3:00	165	9.9		10.5	
5:00	125	9.9		10.5	
7:00	123	9.9	6	10.5	

CORING

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

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
RIG SER.	12:00	12:15	1/4
DRLG 7 7/8 HOLE.	12:15	8:00	7 3/4

Driller K M. Vig

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

From	To	Hole Made	Hole Size	Formation
2175	2185	10	7 13/16	

Size-D.P.	Stands 16	Singles 2	Kelly 14	Drill. Collar Ft.	Core Bbl. Ft.
4 1/2	146592	61.36	39.00	556.61	55.61

	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL DRILLING STRING	DRILL COLLARS
DRILL COLLAR	18	6"	2 7/8	556.61		
DATA					75000	36000

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
9	YIA	12:00	9:00A	19 1/2	2175	42000	350	

Bit Serial No. E35414 DEC4502 Table R.P.M. 70

Jet or Conventional - CONV. Nozzle Size 3 13/16

Kind at Ft. Deg. off

HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
		1050	14"	51	6"

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
3:00	125	10	8.8	10.5	

From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.
2175	2185	10		3	D

	From	To	Hrs.
Rig Service Check BOP's	8:00	8:15	1/4
Circ hole To Core	8:15	8:45	1/2
Blow Kelly Drop Survey	8:45	9:00	1/4
Pull out To Core	9:00	10:15	1 1/4
Slip & Cut 41' Line	10:15	11:30	1 1/4
Run in w/ Core Bbl	11:30	1:00	1 1/2
Circ To Core	1:00	1:30	1/2
Cutting Core #3	1:30	4:00	2 1/2

Driller J. Blair

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

From	To	Hole Made	Hole Size	Formation
2175	2220	30	7 7/8	

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4 1/2	146592		8.63	734.62	1.83

	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL DRILLING STRING	DRILL COLLARS
DRILL COLLAR	24	6"	2 7/8	734.62		
DATA					76000	62000

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
2 RR	Diamond		5:00 PM	3 1/2	2190	16	15"	
10	YIA	9:00 PM		2 1/2		40	30	

Bit Serial No. 44218 Table R.P.M.

Jet or Conventional - CONV. Nozzle Size 3 11/32

Kind at Ft. Deg. off

HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
		600	14	60	6"
			14		5 1/2"

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
11:00	95"	10.	9.0	10.5	

From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.
2185	2190	5"	1.5"	3	

	From	To	Hrs.
CUTTING CORE #3	4:00	5:00	1
Rig Ser	5:00	5:15	1/4
Pull out w/ Core Bbl.	5:15	6:30	1 1/4
Recover Core See Bbl.	6:30	7:30	1
Pick up 3 DCs Run in w/ Bit #6	7:30	8:45	1 1/4
Clean Out Bit Hole	8:45	9:15	1/2
Drlg 7 7/8 Hole	9:15	12:00	2 3/4

Driller W. Thackeray

CLASSES OF TIME BREAKDOWN

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

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 K NO.....

Total Contract Time .....hrs. Total Company Time .....hrs. Toolpusher Lorne Mill Approved by J. P. Langerud

Form 34402 (300 bks.-10-64)-P.P.Co. J.O.E. CLARE F-79

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 14

LSD..... SEC..... TWN..... RGE..... W..... Contractor BANDEEN DRLG Type Rig 64-8 OILWELL Month APRIL Day 18 19 65

	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
	1672	1825	153	7 7/8		1825	70	1895	7 7/8		1895	2040	145	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		1130.80	42.06	650.31	5 1/8 1.83	4 1/2	1191.80	31.06	20.00	650.31	5 1/8 1.83	4 1/2	1374.65		13.21	650.31	5 1/8 1.83
	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	20	6"	2 7/8	620.34	DRILLING STRING / DRILL COLLARS	COLLAR	20	6"	2 7/8	620.34	DRILLING STRING / DRILL COLLARS	COLLAR	20	6"	2 7/8	620.34	DRILLING STRING / DRILL COLLARS
	DATA	1			29.97	72 000 / 52 000	DATA	1			29.97	74 000 / 52 000	DATA	1		7 7/8	29.97	74 000 / 52 000
BIT RECORD	No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed	No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
	8	HTIA	12:00	700	14	1825	40	305		9	HTIA	12:00 noon		4		40 000	70	
	Bit Serial No. E15019				Table R.P.M. 70	Bit Serial No. E35414				Table R.P.M. 75	Bit Serial No. E15019				Table R.P.M. 70			
	Jet or Conventional - CONV.				Nozzle Size 3-11/16	Jet or Conventional - CONV.				Nozzle Size 3 11/16	Jet or Conventional - CONV				Nozzle Size 3 11/16			
SURVEYS	Kind	at	Ft.	Deg. off		Kind	at	Ft.	Deg. off		Kind	at	Ft.	Deg. off	
FLUSH PUMP RECORD	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
No. 1	6 3/4		500	14	60	6"			600	14"	60	6"	7 3/4	7 3/4	600	14	60	6"
No. 2		8		14		5 1/2"										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	135	9.8		11.5	PELTEX 100#	1 00	108	9.9	6	11	1" STREAM OF WATER	5 00	115	10.	7.	11	GEL 15-00 LBS
	3 00	175	9.8		11.0		3 00	108	9.9	6	11		7 00	113	10.	7.	11	WATER
	5 00	118	9.8		11.0								9 00	115	10	76	11	
													11 00	117	10.	8.2	11	BLEEDING SHAKER TANK
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		12 00	12 15	1/4		PULL BIT #4		8 00	9 00	1		BIT SER		4 00	4 15	1/4	
	DRLG 7 7/8 HOLE.		12 15	7 00	6 3/4		RIG SERVICE + CHECK BOPS		9 00	9 15	1/4		DRLG 7 7/8 HOLE		4 15	12 00	7 3/4	
	SURVEY		7 00	7 15	1/4		BUCK IN W/ BIT #5		9 15	11 00	1 3/4							
	TRIP FOR BIT		7 15	8 00	3/4		BLOW KELLY C.C. HOLE CLEAN		11 00	12 00	1							
	S.L.M. 1825.72						DRILLING		12 00	4 00	4							
	TALLY 1825.00																	
	DIFF. 72																	
	Driller K. McDiv						Driller L Blair						Driller W. Thomson					

CLASSES OF TIME BREAKDOWN

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

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 Lonnie Mikell Approved by J. Langman

Form 34402 (300 bks.-10-64)-P.P.Co. 10E CLAIRE F-79

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 13

LSD..... SEC..... TWN..... RGE..... W..... Contractor BAWDEN DRLG Type Rig CA-3 OILWELL Month APRIL Day 17 19 65

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

DEPTH

From	To	Hole Made	Hole Size	Formation
	1520			

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4½					

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

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed

Bit Serial No. ..... Table R.P.M. .....

Jet or Conventional - ..... Nozzle Size .....

SURVEYS

Kind ..... at ..... Ft. ..... Deg. off .....

FLUSH PUMP RECORD

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

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS

CORING

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

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
Rig Srv.	12⁰⁰	12¹⁵	¼
Pull out w/ core bbl	12¹⁵	1¹⁵	1
Recover core check bit	1¹⁵	2⁰⁰	¾
Make up Packer	2⁰⁰	4⁰⁰	2
Run in w/ Packer.	4⁰⁰	5⁰⁰	1
Testing	5⁰⁰	8⁰⁰	2¾

Driller D. Thurtman

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

DEPTH

From	To	Hole Made	Hole Size	Formation
1520	1533	13	7⅞	

DRILLING STRING

Size-D.P.	Stands 9	Singles 1	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4½		855.31	26.55	650.31	sub 1.83

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
COLLAR	21	6"	2⅞	650.31	DRILLING STRING	DRILL COLLARS
DATA					70000	52000

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
8	YTIA	300		1		30000	13	

Bit Serial No. E15019 Table R.P.M. 70

Jet or Conventional - CONVENTIONAL Nozzle Size 3-11/16

Kind ..... at ..... Ft. ..... Deg. off .....

FLUSH PUMP RECORD

	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
No. 1			400	16	60	6"
No. 2				16		5½

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS

CORING

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

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
PACKER ON BTM.	8⁰⁰	8⁴⁵	¾
PULL OUT W/ PACKER	8⁴⁵	9⁴⁵	1
BREAK DOWN & LAY DOWN PACKER	9⁴⁵	11⁴⁵	2
PICK UP 5 DRILL COLLARS	11⁴⁵	1¹⁵	1½
RAN IN W/ BIT #4 HOLE GOOD	1¹⁵	2¹⁵	1
BLOW KELLY & ROTATE THROUGH RAT HOLE	2¹⁵	3⁰⁰	¾
DRLG 7⅞ HOLE	3⁰⁰	4⁰⁰	1

Driller K. M. Vig

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

DEPTH

From	To	Hole Made	Hole Size	Formation
1533	1672	139	7⅞	

DRILLING STRING

Size-D.P.	Stands 10	Singles 2	Kelly 1	Drill. Collar Ft.	Core Bbl. Ft.
4½	917.74	60.65	42.10	650.31	sub 1.83

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
COLLAR	20	6"	2⅞	621.03	DRILLING STRING	DRILL COLLARS
DATA	1			29.28	72000	

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
8	YTIA	300 pm		7¼		40	152	

Bit Serial No. E15019 Table R.P.M. 75

Jet or Conventional - Conv. Nozzle Size 3 11/16

Kind ..... at ..... Ft. ..... Deg. off .....

FLUSH PUMP RECORD

	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
No. 1	8		500	14"	60	6"
No. 2						

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
4³⁰	93	9.6	6	11.5	Sch 900#
8⁰⁰	128	9.6	6	11.5	PeLTex 150#
11⁰⁰	135	9.6	6	11.5	CeLLex 50#

CORING

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

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
Rig Service	4⁰⁰	4¹⁵	¼
Drilling	4¹⁵	5⁰⁰	¾
Repair low chain	5⁰⁰	6³⁰	1½
Drilling	6³⁰	12⁰⁰	5½

Driller T. Blair

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 ..... 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 Louis Abel Approved by J. Ferguson

Form 34402 (300 bks.-10-64)-P.P.Co. CLARE F-74

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 13

LSD..... SEC..... TWN..... RGE..... W..... Contractor RAWLAND DRLG Type Rig 64-13 OILWELL Month APRIL Day 16 19 65

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

DEPTH

From	To	Hole Made	Hole Size	Formation
1335	1410	175'	7 7/8	

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4½	826.27	60.27	26.66	494.97	SUB 1.83

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
					DRILLING STRING	DRILL COLLARS
COLLAR	16	6"	2 7/16	465.16		
DATA	1	7 5/8		29.22	58000	42000

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
7	MH3J					35	232	

Bit Serial No. 744735 Table R.P.M. 85

Jet or Conventional - JET 13 65 15° Nozzle Size 2x11

Kind TOTCO at 1270 Ft. ½ Deg. off

SURVEYS

FLUSH PUMP RECORD

	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
No. 1		5 3/4	1200	14	55	6"
No. 2		1½	1100	14	63	5½

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
100	125	9.2	8.0	9.5	Caustic 50#
3.00	130	9.2	8.0	9.5	Peltex 100#
5.00	90	9.3	8.8	9.5	
700	70	9.3	9.2	9.5	

CORING

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

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
Rig Ser	12.00	12.15	¼
Drlg 7⅞ Hole	12.15	1.45	1½
Survey	1.45	2.00	¼
Drlg 7⅞ Hole	2.00	5.15	3¼
Survey	5.15	5.30	¼
Drlg	5.30	8.00	2½

Driller W. Hudson

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

From	To	Hole Made	Hole Size	Formation
1410	1506	96'	7 7/8	

Size-D.P.	10 Stands	2 Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4½		978.39	30.71	494.97	

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
					DRILLING STRING	DRILL COLLARS
COLLAR	16	6"	2 7/16	465.16		
DATA	1	7 5/8		29.62	58000	42000

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
7	MH3	8.00	12.45	14 3/4	1506	35	232	

Bit Serial No. MH4735 Table R.P.M. 80

Jet or Conventional - JET Nozzle Size 3-11

Kind TOTCO at 1 Ft. 1500 1½ Deg. off

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

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
9.00	68	9.4	6.	9.	PELTEX 100#
11.00	80	9.4		9.	CAUSTIC 20#
					MUD TEMP. 88°

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

	From	To	Hrs.
Rig Ser	8.00	8.15	¼
Drlg 7⅞ Hole	8.15	12.45	4½
Circ. Prior to D.S.T. or Core	12.45	1.45	1
Survey	1.45	2.00	¼
Pull to Test or Core	2.00	2.15	¼
Work Tight Hole	2.15	4.00	1¾
Tight from 1300 - 850			
T.D. 1506			

Driller K. M. Dig

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

From	To	Hole Made	Hole Size	Formation
1506	1520	14	7 13/16	

Size-D.P.	Stands 11	Singles 1	Kelly 1N	Drill. Collar Ft.	Core Bbl. Ft.
4½	1009.28	29.00	20.00	401.27	55.67

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
					DRILLING STRING	DRILL COLLARS
COLLAR	13	6"	2 7/16	401.27		
DATA					59000	32000

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
7	MH3	5.15 pm	5.04 pm	14 3/4	1506	35	338	
2B	◇	7.00 pm		3¼				

Bit Serial No. 744735 | EC4502 Table R.P.M. 100

Jet or Conventional - JET Nozzle Size 3 x 11

Kind at Ft. Deg. off

	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
			700	14"	52	6"

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
8.00	68	9.4		9.5	Mel

From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.
1506	1520	14		2	

	From	To	Hrs.
Pull out To Core	4.00	5.00	1
Rig Service Check Rams	5.00	5.15	¼
Pick up Core Bbl. Change Stabilizers	5.15	6.00	¾
Run in w/ Core Bbl	6.00	7.00	1
Circ To Core	7.00	7.30	½
Cutting Core # 2	7.30	10.45	3¼
Circ To Raise U.sc. To Test	10.45	11.45	1
Blow Mud Lines w/Steam	11.45	12.00	¼

Driller J. Blair

CLASSES OF TIME BREAKDOWN

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

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 Louis Abell Approved by .....

Form 34402 (300 bks.-10-64)-P.P.Co. 10E-CLARE F-79

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 11

LSD..... SEC..... TWN..... RGE..... W..... Contractor BARRETT DRLG Type Rig CAR OIL WELL Month APRIL Day 15 19 65

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

DEPTH

From	To	Hole Made	Hole Size	Formation
920	1065	145'	7 7/8	

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4½	5 50.23		12.32	494.97	540 123

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
					DRILLING STRING	DRILL COLLARS
COLLAR	16	6"	2 7/8	494.97		
DATA					52 000	42 000

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
6	M4J3	11 Pm.				20	156	

Bit Serial No. 747341 Table R.P.M. 75

Jet or Conventional - JET Nozzle Size 3 #11

SURVEYS

Kind TOTCO at 966 Ft. 1/4 Deg. off

MUD PUMP RECORD

	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
No. 1				14		5½
No. 2			1050	14	64	5½

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
1 00	53	8.8	8.2	12.5	GEL 500 #
3 00	48	8.8	9.4	12.5	
5 00	48	8.8	9.4	12.00	
7 00	48	8.8	9.2	12.0	

CORING

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

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
Rig Ser	12 00	12 15	¼
Drlg	12 15	2 00	1¾
Survey	2 00	2 15	¼
Drlg	2 15	6 45	4½
Survey Miss Run	6 45	7 00	¼
Drlg	7 00	8 00	1

Driller T. Henderson

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

From	To	Hole Made	Hole Size	Formation
1065	1168	103	7 7/8	

Size-D.P.	Stands 7	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4½	643.17		28.23	494.97	540 143

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
					DRILLING STRING	DRILL COLLARS
COLLAR	16	6"	2 7/8	494.97		
DATA					54 000	42 000

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
6	M4J3	8 00	3 00	14	1168	20/15	259	

Bit Serial No. 747341 Table R.P.M. 75

Jet or Conventional - JET Nozzle Size 3-11

Kind TOTCO at 1065½ Ft. 1160 1½° Deg. off

HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
6¼		900	14	61	5½
			14		5½

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
9.00	44	8.9	5.4	9.5	
11.00	47	8.9	5.9	9.5	
1.00	45	8.9	7.6	9.5	
3.00	43	9.0	7.8	9.5	

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

	From	To	Hrs.
DRLG 7⅞ HOLE.	8 00	8 45	¾
WORK TIGHT HOLE	8 45	9 00	¼
KELLY COCK RIG SERV & BOPS	9 00	9 15	¼
SURVEY	9 15	9 30	¼
DRLG.	9 30	3 00	5½
SURVEY	3 00	3 15	¼
TRIP FOR BIT	3 15	4 00	¾
T.D 1168			

Driller K. M. Dig

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

From	To	Hole Made	Hole Size	Formation
1168	1225	57	7 7/8	

Size-D.P.	Stands 7	Singles 2	Kelly 1M	Drill. Collar Ft.	Core Bbl. Ft.
4½	643.17	61.03	24 00	494.97	540 1.83

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
					DRILLING STRING	DRILL COLLARS
COLLAR	15	6"	2 7/8	465.15		
DATA	1	7 3/8		29.82	56 000	42 000

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
7	M4J3	5 15 Pm				20/35	57	

Bit Serial No. 744735 Table R.P.M. 85

Jet or Conventional - JET Nozzle Size 3X11

Kind at Ft. Deg. off

HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
6½		900	14"	59	5½
1½		1100	14"	63	5½

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
5 30	38	9.0	7.8	9.5	
7 00	38	9.0	7.8	9.5	Bel 2300 #
10 30	100	9.1			

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

	From	To	Hrs.
Rig Service & Checkrams	4 00	4 15	¼
Run in w/ Bit	4 15	5 15	1
Drilling	5 15	7 30	2¼
Work Stuck Pipe	7 30	10 00	2½
Circ hole & Ream 60' To Bottom	10 00	11 15	1¼
Drilling	11 15		

Driller T. Blair

CLASSES OF TIME BREAKDOWN

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

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 Louis Abel Approved by S. Langevin

Form 34402 (300 bks.-10-64)-P.P.Co. CLARE F-79

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 10

LSD..... SEC..... TWN..... RGE..... W..... Contractor BOWDEN DRLG. Type Rig CAT-B OIL WELL Month APRIL Day 14 19 65

DEPTH

1st Tour From: 12:00 Midnight To: 8:00 a.m.				
From	To	Hole Made	Hole Size	Formation
850	851	1	7 7/8	

2nd Tour From: 8:00 a.m. To: 4:00 p.m.				
From	To	Hole Made	Hole Size	Formation
851	893	42	7 7/8	

3rd Tour From: 4:00 p.m. To: 12:00 p.m.				
From	To	Hole Made	Hole Size	Formation
893	920	27	7 7/8	

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4½	274.61	60.92	33.90	434.18	5-6.5-0

Size-D.P.	Stands 4	Singles 1	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4½	427.80		27.17	434.18	

Size-D.P.	Stands 4	Singles 1	Kelly JN	Drill. Collar Ft.	Core ~~Bbl.~~ Ft. Sub
4½	366.65	30.23	27.00	494.97	1.83

	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
					DRILLING STRING	DRILL COLLARS
DRILL COLLAR	14	6"	2 7/8	434.18		
DATA					42 000	40 000

	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
					DRILLING STRING	DRILL COLLARS
DRILL COLLAR	14	6"	2 7/8	434.18		
DATA					48000	40 000

	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
					DRILLING STRING	DRILL COLLARS
DRILL COLLAR						
DATA					50 000	42 000

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
4	YT-3	12 15	3 30	1 3/4	851	4	1	
5	DIAMOND 6 cm 3mm					10		

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
#1	◇	8 00	8 45	2 3/4	871	12 000	20	
4	YT3	11 15		5 1/2		10 000	22	20

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
4	YT3	11 15	6 45	6 1/4	909	10	38	20
5	M4L5	11 00 pm		1		25	11	

Bit Serial No. E15196 EC-6306 Table R.P.M. 80

Jet or Conventional - CONV. DIAMOND. Nozzle Size 3 11

Bit Serial No. #1 EC6306 | F15196 Table R.P.M.

Jet or Conventional - | CONV. Nozzle Size

Bit Serial No. #1 E15196 | #2747341 Table R.P.M. 80

Jet or Conventional - CON | JET 3 X 11 Nozzle Size

SURVEYS

Kind at Ft. Deg. off

Kind at Ft. Deg. off

Kind TOTCO at 909 Ft. 1 1/4 Deg. off

RUSH PUMP RECORD

No.	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
1	2	3 3/4	375	14	60	5½
2				14		5½

No.	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
1		4	375	14	55	5½
2				14		5½

No.	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
1			200	14	55	5½
2			900	14"	61	5½

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
					GEL 1000#
					CAUSTIC 50#
					PELTEX 100#

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
8 00	34	8.5			GEL 4000
100	36	8.5			CAUSTIC 50
3 00	46	8.8			PELTEX 100

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
4 30	38	8.8			CAUSTIC 100#
					PELTEX 300#
					CELLEX 200#

CORING

From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.
851	864	13		1	

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.
RIG SER	12 00	12 15	1/4
DRLG OUT	12 15	2 00	1 3/4
REPLACE CHAIN	2 00	2 30	1/2
CLEAN TANK & DISPLACE HOLE	2 30	3 30	1
PULL OUT	3 30	4 00	1/2
PICK UP CORE BBL.	4 00	4 15	1/4
RUN IN	5 15	5 45	1/2
CIRC	5 45	6 00	1/4
CUT CORE #1	6 00	8 00	2

Driller W. Thatcher

	From	To	Hrs.
CUTTING CORE #1	8 00	8 45	3/4
BREAK OFF CORE & PULL OUT	8 45	9 30	3/4
RECOVER CORE & SERVICE BBL	9 30	10 15	3/4
RIG SERVICE RODS	10 15	10 30	1/4
RAN IN W/ B.T.	10 30	11 15	3/4
REF 5¾ TO 7 7/8	11 15	1 00	1 3/4
DRLG 7 7/8 HOLE	1 00	1 30	1/2
WORK TIGHT HOLE	1 30	2 30	1
DRLG	2 30	4 00	1 1/2

Driller K. M. Vig

	From	To	Hrs.
RIG SERVICE	4 00	4 15	1/4
DRILLING	4 15	5 00	3/4
CIRC COND MUD	5 00	6 30	1 1/2
SURVEY	6 30	6 45	1/4
PULL B.T #1	6 45	7 30	3/4
PICK UP DCS	7 30	8 00	1/2
WORK ON AIR LINES	8 00	10 15	2 1/4
RUN IN B.T #2	10 15	11 00	3/4
DRILLING	11 00	12 00	1

Driller T. Blair

CLASSES OF TIME BREAKDOWN

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

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 Louis Abel Approved by .....

Form 34402 (300 bks.-10-64)-P.P.Co. CLAIRE F-79

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 9

LSD..... SEC..... TWN..... RGE..... W..... Contractor BANDER DRLG. Type Rig CAT-B Diesel Month APRIL 13 Day 13 19 65

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

DEPTH

From	To	Hole Made	Hole Size	Formation
	850			

DRILLING STRING

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

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

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed

Bit Serial No. Table R.P.M.

Jet or Conventional - Nozzle Size

SURVEYS

Kind at Ft. Deg. off

MUD PUMP RECORD

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

No. 1
No. 2

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS

CORING

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

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
HEAD up BOPS	12:00	2:00	8
T.D. 850			

Driller W. Thorhaven

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

DEPTH

From	To	Hole Made	Hole Size	Formation
	850			

DRILLING STRING

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

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

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed

Bit Serial No. Table R.P.M.

Jet or Conventional - Nozzle Size

SURVEYS

Kind at Ft. Deg. off

MUD PUMP RECORD

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

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS

CORING

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

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
W.O.C. DRILL MOUSE HOLE.	8:00	4:00	8
T.D. 850			

Driller K. M. Dig

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

DEPTH

From	To	Hole Made	Hole Size	Formation
850				

DRILLING STRING

Size-D.P.	Stands 3	Singles 2	Kelly 1	Drill. Collar Ft.	~~Core Bbl. Ft.~~
4½	274.61	60.96	29.00	434.18	25 LBS 6.90

	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
					DRILLING STRING	DRILL COLLARS
DRILL COLLAR DATA					35000	35000

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
1	4T3	10:00 PM						

Bit Serial No. E15196 Table R.P.M.

Jet or Conventional - Nozzle Size 3 1/16

SURVEYS

Kind at Ft. Deg. off

MUD PUMP RECORD

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

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
Pressure Tested Blind Rams To 1000 lbs - 4½ Rams at 1000 lbs Hydril & Kill Lines Also 4 Side Valves To 1000 lbs Held OK Checked Kelly Cock Soda Ash 400#					

CORING

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

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
Drill Mouse hole	4:00	9:00	5
Run in w/ 7⅞ Bit	9:00	10:00	1
Test 4½ rams & hydrill	10:00	12:00	2

Driller J. Blair

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 ..... 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 Louis Odek Approved by .....

Form 34402 (300 bks.-10-64)-P.P.Co. Claire F-79

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 8

LSD..... SEC..... TWN..... RGE..... W..... Contractor Bawden Drilling Type Rig 66-B Gardner Month April Day 17 19 65

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

DEPTH

From	To	Hole Made	Hole Size	Formation
	850			

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

DRILLING STRING

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

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed

Bit Serial No. Table R.P.M.

Jet or Conventional - Nozzle Size

SURVEYS

Kind at Ft. Deg. off

MUD PUMP RECORD

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

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS

CORING

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

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
W.O.C.	12:00	8	8
T.D. 850			

Driller W. Thalman

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

DEPTH

From	To	Hole Made	Hole Size	Formation
	850			

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

DRILLING STRING

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

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed

Bit Serial No. Table R.P.M.

Jet or Conventional - Nozzle Size

Kind at Ft. Deg. off

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

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS

CORING

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

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
W.O.C.	8:00	4:00	8
T.D. 850			

Driller K. M. Vig

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

DEPTH

From	To	Hole Made	Hole Size	Formation
	850			

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

DRILLING STRING

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

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed

Bit Serial No. Table R.P.M.

Jet or Conventional - Nozzle Size

Kind at Ft. Deg. off

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

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS

CORING

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

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
W.O.C. Heading up	4:00	12:00	8

Driller T. Blair

CLASSES OF TIME BREAKDOWN

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

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 Louis Abel Approved by .....

Form 34402 (300 bks.-10-64)-P.P.Co. CLARE F-79

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 7

LSD..... SEC..... TWN..... RGE..... W..... Contractor BANDEN DRLG. Type Rig CAM. 13 RIG WELL Month AUGUST Day 11 19 65

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

DEPTH

From	To	Hole Made	Hole Size	Formation
733	817	84	11"	

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4½	274.11	10.96	13.27	434.18	SubS 5.67

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
COLLAR	14	6"	2 13/16	434.18	DRILLING STRING	DRILL COLLARS
DATA					46 000	40 000

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
3A	DTJ		7:00 PM	13½	817	15	214	

Bit Serial No. 29085 Table R.P.M. 100

Jet or Conventional - J.T Nozzle Size OPEN

SURVEYS

Kind TOTCO at 785 Ft. 3/4 Deg. off

MUD PUMP RECORD

	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
No. 1		1½	400	14	61	7¼
No. 2				14		5½

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
100	120	9.5			GELL 1500#
300	135	9.5			CAUSTIC 50#
500	130	9.5			

CORING

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

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
Rig Ser.	12 00	12 15	¼
Drlg	12 15	5 15	5
Survey	5 15	5 30	¼
Drlg	5 30	7 00	1½
Trip	7 00	8 00	1

Driller W. Hankinson

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

DEPTH

From	To	Hole Made	Hole Size	Formation
817	850	33	11"	

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4½	396.48		13.27	434.18	5.67

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
COLLAR	14	6"	2 13/16	434.18	DRILLING STRING	DRILL COLLARS
DATA					46 000	40 000

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
3A	DTJ	9 30		17	850	12	33	

Bit Serial No. 29085 Table R.P.M. 100

Jet or Conventional - JET Nozzle Size OPEN

SURVEYS

Kind TOTCO at 850 Ft. 1° Deg. off

MUD PUMP RECORD

	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
No. 1		4	400	14	58	7¼
No. 2				14		

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
900	100	9.6			CAUSTIC 50#
1100	280	9.7			
100	146	9.6			
300	140	9.6			

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	¼
Ran in Ream 2 Bridges	8 15	9 30	1¼
Drlg 11" Hole	9 30	100	3½
Survey	100	1 15	¼
Dummy Trip	1 15	2 30	1¼
C.2C	2 30	3 00	½
Blow Kelly - Pullout	3 00	4 00	1

Driller H. M. Vig

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

DEPTH

From	To	Hole Made	Hole Size	Formation
@	850			

DRILLING STRING

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

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

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed

Bit Serial No. Table R.P.M.

Jet or Conventional - Nozzle Size

SURVEYS

Kind at Ft. Deg. off

MUD PUMP RECORD

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

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
Ran 28 Jts 8 7/8 new Casing 281 Jts - N80 - R-2 - cemented with 350 sacks 2½% La-Ch plug down at 9 PM Casing landed at 841					

CORING

From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.
841	833-841	8	K/B		

(See memo 24-6-65 to BHQ. Information from Goldsmith)

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
Rig Service	4 00	4 15	¼
Run 8 5/8 Surface Casing	4 15	6 45	2½
Circ & Work Casing	6 45	7 30	¾
Run Cement & Pump Plug	7 30	9 00	1½
W. O. C.	9 00	12 00	3

Driller T. Blevins

CLASSES OF TIME BREAKDOWN

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

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 Louis Abel Approved by .....

Form 34402 (300 bks.-10-64)-P.P.Co. CLARE F-79

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 6

LSD..... SEC..... TWN..... RGE..... W..... Contractor Peter Bawden Drlg Type Rig 64 B Oilwell Month April Day 10 19 65

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

DEPTH

From	To	Hole Made	Hole Size	Formation
511	520	~~9~~	11"	

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4½		60.91	20'	434.18	

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
					DRILLING STRING	DRILL COLLARS
COLLAR	14	6"	2 7/8	434.18		
DATA					44 000	40 000

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
2A	DTJ	12 30 pm		26¼		15	460	

Bit Serial No. 29061 Table R.P.M. 80

Jet or Conventional - JET Nozzle Size OPEN

SURVEYS

Kind at Ft. Deg. off

MUD PUMP RECORD

	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
No. 1	1¼		400	14"	55	7¼
No. 2						

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
7 30	120				

CORING

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

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
Build Bumper Sub	1200	600	6
Pick up Bumper Sub	600	630	½
Jar Pipe Down	630	645	¼
Circ & Work Pipe	645	730	¾
Drilling	730	800	½

Driller L Blum

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

DEPTH

From	To	Hole Made	Hole Size	Formation
520	603	83	11"	

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4½	91.37	60.91	10.87	434.18	

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
					DRILLING STRING	DRILL COLLARS
COLLAR	14	6"	2 7/8	434.18		
DATA					44 000	30 000

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
2A	DTJ		1 45 pm	3½	603	15 M	543	

Bit Serial No. 29061 Table R.P.M. 80

Jet or Conventional - JET Nozzle Size 12-12-12

SURVEYS

Kind TOTCO at 543 Ft. ½ 603 - ½ Deg. off

MUD PUMP RECORD

	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
No. 1		5¼	450	14	61	7 7/8
No. 2				14		5½

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
					Gel 200 #
					Caustic 50 #

CORING

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

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
Rig Ser	800	815	¼
Drlg	815	945	1½
Survey	945	1000	¼
Drlg	1000	245	3¾
Survey	145	200	¼
Trip Tight Hole	200	400	2

Driller W Thorbaxson

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

DEPTH

From	To	Hole Made	Hole Size	Formation
603	733	130	11"	

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	~~Core Bbl. Ft.~~
4½	274.61		18.54	434.18	5.67

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
					DRILLING STRING	DRILL COLLARS
COLLAR	14	6"	2 7/8	434.18		
DATA						

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
3A	11"	430		7		18/10	130	

Bit Serial No. 29085 Table R.P.M. 100

Jet or Conventional - JET Nozzle Size OPEN

SURVEYS

Kind TOTCO at 695 Ft. 1° Deg. off

MUD PUMP RECORD

	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
No. 1		7	700	14	58	7¼
No. 2		7	700	14	55	5½

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
500	128	9.5			
700	130	9.5			
900	124	9.5			
1100	118	9.5			

CORING

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

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
Rig Ser.	400	415	¼
Circ Circ 726 Stm.	415	430	¼
Drlg 11" Hole.	430	830	4
Circ & Survey	830	900	½
Drlg	900	1200	3

Driller

CLASSES OF TIME BREAKDOWN

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

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 Louis Odell Approved by .....

Form 34402 (300 bks.-10-64)-P.P.Co. CLARC F-79

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 5

10E CLARC F TLSD 6-7 SEC 10 TWN 137 RGE 20 W Contractor PETER BAWDEN DRLG Type Rig 64 B OILWELL Month APRIL 8 Day 9 19 65

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

DEPTH

From	To	Hole Made	Hole Size	Formation
425	449	24	11"	

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly 1H	Drill. Collar Ft.	Core Bbl. Ft. SUBS
			38.55	403.67	7.65

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
COLLAR	13	6"	2 7/8	403.67	DRILLING STRING	DRILL COLLARS
DATA						40 000

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
2A	DTJ	12:30 PM	5:30 PM	22	449	15	389	

Bit Serial No. 29061 Table R.P.M. 130

Jet or Conventional - Nozzle Size OPEN

SURVEYS

Kind at Ft. Deg. off

MUD PUMP RECORD

	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
No. 1			600	14"	61	6"
No. 2			600	14"	63	5 1/2

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
100	50	9.5			GEL 500#
500	71	9.5			

CORING

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

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
DRILLING	12:00	12:15	1/4
RIG SERVICE	12:15	12:30	1/4
CIRC WAIT ON ORDERS	12:30	1:15	3/4
TRIP TO COND HOLE TO TEST	1:15	2:30	1 1/4
CIRC TO TEST	2:30	3:00	1/2
TRIP TO COND HOLE	3:00	4:00	1
CIRC TO TEST	4:00	5:00	1
PULL OUT TO TEST	5:00	5:30	1/2
MAKE UP PACKER RUN IN W/ PACKER	5:30 / 7:30	7:30 / 8:00	2 / 1/2

Driller J. Blair

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

DEPTH

From	To	Hole Made	Hole Size	Formation
449	467	18	11"	

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4 1/2			37.16	434.84	

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
COLLAR	14	6"	2 7/8	434.84	DRILLING STRING	DRILL COLLARS
DATA					42 000	32000

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
2A	DTJ	2:45 PM		23 1/4		10	407	

Bit Serial No. 29061 Table R.P.M. 80

Jet or Conventional - JET Nozzle Size OPEN

SURVEYS

Kind at Ft. Deg. off

MUD PUMP RECORD

	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
		1 1/4	150	14	60	6"
				14		5 1/2

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
330	55	9.5			GEL 1600#

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
TESTING	8:15	12:30	4 1/4
PULL OUT W/ PACKER	12:30	1:00	1/2
LAY DOWN PACKER	1:00	2:15	1 1/4
RUN IN W/ BIT	2:15	2:45	1/2
DRLG	2:45	4:00	1 1/4

Driller W. Thackeray

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

DEPTH

From	To	Hole Made	Hole Size	Formation
467	511	44	11"	

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft. SUBS
4 1/2		30.75	40.40	434.18	5.67

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
COLLAR	14	6"	2 7/8	434.18	DRILLING STRING	DRILL COLLARS
DATA SUBS				5.67	43000	

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
2A	DTJ	4:30 PM		25 3/4		10	451	

Bit Serial No. 29061 Table R.P.M. 110

Jet or Conventional - JET Nozzle Size OPEN

SURVEYS

Kind TOTCO at 475 Ft. 10 Deg. off

MUD PUMP RECORD

	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
		2 1/2	150	14	61	6"
				14		5 1/2

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
500	53	9.4			GEL 1400
700	51	9.4			CAUSTIC 50#
900	84	9.4			
1100	148	9.5			

CORING

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

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
DRLG 11" HOLE	4:00	4:30	1/2
WORK TIGHT HOLE	4:30	5:00	1/2
SURVEY	5:00	5:15	1/4
DRLG	5:15	7:15	2
WORK TIGHT HOLE	7:15	7:30	1/4
WORK STUCK PIPE	7:30	12:00	4 1/2
& BUILD SURFACE JAR			

Driller K. M. Vig

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 ..... 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 Louis Abel Approved by .....

Form 34402 (300 bks.-10-64)-P.P.Co. CLARE F-79

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 4

LSD..... SEC..... TWN..... RGE..... W..... Contractor Peter Baudin Drlg Type Rig 64B Oilwell Month April Day 8 19 65

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

DEPTH

From	To	Hole Made	Hole Size	Formation
120	310	190	11"	Surface.

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
			27.00	279.32	2.83

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
COLLAR	9	6"	2 1/8	279.32	DRILLING STRING	DRILL COLLARS
DATA						30,000

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
2A	DTJ	12:30				15	250	

Bit Serial No. 29061 Table R.P.M. 110

Jet or Conventional - Nozzle Size OPEN

SURVEYS

Kind TOTCO at 158 1/2° Ft. 250' Deg. off

MUSH PUMP RECORD

	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
No. 1			400	14"	61	6"
No. 2			400	14"	64	5 1/2

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
1:00	33	8.9			Gel 1000#
7:00	33	8.9			
7:00	32	9.0			

CORING

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

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
Rig Service	12:00	12:15	
Repair valve on Mud Line	12:15	12:30	1/4
Drilling	12:30	2:00	1 1/2
Survey @ 158'	2:00	2:15	1/4
Drilling	2:15	5:45	3 1/2
Survey @ 250'	5:45	6:00	1/4
Drilling	6:00	8:00	2

Driller J Blair

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

DEPTH

From	To	Hole Made	Hole Size	Formation
310	350	40	11"	

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
			32.01	312.99	

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
COLLAR	10	6"	2 3/8	310.16	DRILLING STRING	DRILL COLLARS
DATA						

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
2B	DTJ					15		

Bit Serial No. 29061 Table R.P.M. 110

Jet or Conventional - JET Nozzle Size OPEN

Kind at Ft. Deg. off

MUSH PUMP RECORD

	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
		0 3/4	550	14	61	6"
	2 3/4		550	14	63	5 1/2

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
9.00	35	9.1			Caustic 100#
12.00	58	9.2			Gel 5000#
3.00	58	9.3			

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
Drlg	8:15	9:30	1 1/4
Tight hole circ Con Mud	9:30	4:00	6 1/2

Driller W Thackeray

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

DEPTH

From	To	Hole Made	Hole Size	Formation
350	425	75	11"	

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
			13.68	403.67	

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
COLLAR	12	6	2 7/8	403.67	DRILLING STRING	DRILL COLLARS
DATA						

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
2A	DTJ					15		

Bit Serial No. 29061 Table R.P.M. 110

Jet or Conventional - JET Nozzle Size OPEN

Kind TOTCO at 275 Ft. 10 Deg. off

MUSH PUMP RECORD

	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
	5		550	14	61	6
	5		550	14	63	5 1/2

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
5:00	64	9.3			Caustic 100#
11:00	75	9.3			

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
Rig Ser.	4:00	4:15	1/4
Circ Work Tight Hole	4:15	5:15	1
Drlg 11" Hole	5:15	6:00	3/4
Trip to Clean Hole.	6:00	9:00	3
L/D Drill Collar			
P/U Bit Sub.			
Drlg	9:00	9:15	1/4
Circ & Survey	9:15	9:45	1/2
Drlg	9:45	12:00	2 1/4

Driller K. M. Vig

CLASSES OF TIME BREAKDOWN

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

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 Louis Abel Approved by .....

Form 34402 (300 bks.-10-64)-P.P.Co.

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 3

LSD..... SEC..... TWN..... RGE..... W..... Contractor BAWDEN DRLG LTD Type Rig 64B Oilwell Month April Day 7 1965

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

DEPTH

From	To	Hole Made	Hole Size	Formation
@	60'			

DRILLING STRING

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

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

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed

Bit Serial No. ..... Table R.P.M. .....

Jet or Conventional - ..... Nozzle Size .....

SURVEYS

Kind ..... at ..... Ft. ..... Deg. off .....

MUD PUMP RECORD

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

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS

CORING

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

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
W.O.C.	1200	800	8

Driller T Blair

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

DEPTH

From	To	Hole Made	Hole Size	Formation
60'	0	0	11"	

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
		5 1/2 321	35.21	30.92	

	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL
DRILL COLLAR		6"	2 7/8	30.92	DRILLING STRING / DRILL COLLARS
DATA					15

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
1B	MNJ					25		
2B	DTJ							

Bit Serial No. 745422 Table R.P.M. 75

Jet or Conventional - JET Nozzle Size —

Kind ..... at ..... Ft. ..... Deg. off .....

SURVEYS

MUD PUMP RECORD

	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
No. 1		3 1/2	100	14	61	6"
No. 2				14		5 1/2

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
300	35				Gell 35.00 lbs.
					Caustic 100 lbs.

CORING

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

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
T. & C.	800	1230	4 1/2
DRLG OUT PLUG	1230	400	3 1/2

Driller W Hankinson

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

DEPTH

From	To	Hole Made	Hole Size	Formation
60	120	60	11"	

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
			22.92	93.27	

	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL
DRILL COLLAR	3	6	2 7/8	93.27	DRILLING STRING / DRILL COLLARS
DATA					

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
2B	DTJ			3		6		

Bit Serial No. 23061 Table R.P.M. 75 / 150

Jet or Convantional - JET Nozzle Size OPEN

Kind Tricone at 60' Ft. 3/4° Deg. off

SURVEYS

MUD PUMP RECORD

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

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
500	~~41~~ 34	86			GEL 800#
700	33	87			
900	34	87			

CORING

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

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
R.G SER	400	415	1/4
DRLG OUT PLUG	415	645	1 1/2
~~DRLG 11" HOLE~~	~~645~~	~~730~~	~~1~~
~~CIRC HOLE CLEAN~~	~~6~~	~~730~~	~~1~~
~~SURVEY~~	~~730~~	~~745~~	~~1/4~~
~~DRLG 11~~	~~745~~		
DRLG 11" HOLE	645	745	1
CIRC HOLE CLEAN	745	830	3/4
SURVEY	830	845	1/4
DRLG	845	1200	3 1/4

Driller K. M. Vig

CLASSES OF TIME BREAKDOWN

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

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. X

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

Form 34402 (300 bks.-10-64)-P.P.Co.

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 2

LSD..... SEC..... TWN..... RGE..... W..... Contractor Bawden Drlg. LTD Type Rig 64 B Schramm Month April Day 6 19 65

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

DEPTH

From	To	Hole Made	Hole Size	Formation
20	58	38	17½	Surface

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
			21.00		

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
COLLAR	1	6"	2 7/8	30.98	DRILLING STRING	DRILL COLLARS
DATA					15000	

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
1A	MONS			7 7/4		6-8	58	

Bit Serial No. 745 82 Table R.P.M. 60

Jet or Conventional - Nozzle Size

SURVEYS

Kind at Ft. Deg. off

MUD PUMP RECORD

	HOURS On Line	HOURS Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
No. 1			140 #	14"	50	6½"
No. 2			250 #	14"	60	5½"

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS

CORING

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

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
Rig Service	12 00	12 15	¼
Drilling 11" hole 20'-45'	12 15	2 30	2 ¼
Pick up 17½" Reamer	2 30	3 00	½
Ream From 0-45'	3 00	5 30	2½
Pick up DC 11" Bit & Reamer	5 30	5 45	¼
Drilling 11" Pilot Bit 17½" Ream	5 45	8 00	2 ¼

Driller J. Blair

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

DEPTH

From	To	Hole Made	Hole Size	Formation
58	60	2	12¼	Surface

DRILLING STRING

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
Subs 2 4½			22 74	30.98	Reamer 3 23.

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
COLLAR	1	6"	2¾	30 98	DRILLING STRING	DRILL COLLARS
DATA						

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
1A	MONS			8½	60"	W.L.	2	2

Bit Serial No. 745-82 Table R.P.M. 70

Jet or Conventional - Nozzle Size

SURVEYS

Kind at Ft. Deg. off

MUD PUMP RECORD

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

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS

CORING

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

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
Rig Svc.	8 00	8 15	¼
Drlg 13¾ Hole	8 15	9 00	¾
Rig To & Run DST	9 00	10 30	1½
Rig To & Circ	10 30	11 30	1
Run Cement & Displace Plug	11 30	12 30	1
W O O	12 30	4 00	3½

Driller W. Thackeray

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

DEPTH

From	To	Hole Made	Hole Size	Formation
	60			

DRILLING STRING

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

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

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed

Bit Serial No. Table R.P.M.

Jet or Conventional - Nozzle Size

SURVEYS

Kind at Ft. Deg. off

MUD PUMP RECORD

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

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS

CORING

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

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
W.O.C.	12 00	12 00	24

Driller K. M. Vig

CLASSES OF TIME BREAKDOWN

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

MNFR. DRILLING LINE IN USE ..... REEL SERIAL No. .....

MNFR. OF KELLY HOSE IN USE ..... HOSE SERIAL No. .....

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

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

Form 34402 (300 bks.-10-64)-P.P.Co.

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 1

..... LSD..... SEC..... TWN..... RGE..... W..... Contractor PETER BAWDEN Type Rig 64B OILWELL Month APRIL Day 2 1965

DEPTH

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

From	To	Hole Made	Hole Size	Formation

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

From	To	Hole Made	Hole Size	Formation

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

From	To	Hole Made	Hole Size	Formation

DRILLING STRING

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

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

BIT RECORD

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed

Bit Serial No. Table R.P.M.

Jet or Conventional - Nozzle Size

SURVEYS

Kind at Ft. Deg. off

MUSH PUMP RECORD

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

MUD RECORD

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS

CORING

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

DETAIL OF OPERATIONS AND REMARKS

	From	To	Hrs.
DRLG RAT HOLE	8:00	2:00	6
WORK ON DRWKS + COMP. CLUTCHES	2:00		
+ BUILD UP DRAX B.T		4:00	2

Driller W. Thatcher

	From	To	Hrs.
DRLG MOUSE-HOLE (TO HARD)	4:00	7:00	3
~~PREPARE~~ TO WORK ON PUMP	7:00	8:00	1
PREPARE TO DRLG	8:00	9:00	1
DRLG 11" HOLE.	9:00	12:00	3

Driller K. M. Vig

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 ..... 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 Louis Abel Approved by .....