

I. D. E. SAJJAH RIVER # C-72 LSD SEC. TWN. RGE. W. Contractor PETER BONDEN DRILL Type

1st Tour From: 12:00 Midnight To: 8:00 a.m.											2nd Tour From: 8:00 a.m. To: 4:00 p.m.											
DEPTH	From		To		Hole Made		Hole Size		Formation		From		To		Hole Made		Hole Size		Formation			
	I.D.		2500																			
DRILLING STRING	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.		Core Bbl. Ft.				Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.		Core					
	DRILL	Number	OD	ID	Length		INDICATOR WEIGHT OF TOTAL				DRILL	Number	OD	ID	Length		INDICATOR WEIGHT OF TOTAL					
	COLLAR					DRILLING STRING		DRILL COLLARS				COLLAR					DRILLING STRING		DRILL			
	DATA											DATA										
BIT RECORD	No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE		No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE					
									Drilled Reamed								Drilled					
	Bit Serial No.					Table R.P.M.					Bit Serial No.					Table R.P.M.						
	Jet or Conventional -					Nozzle Size					Jet or Conventional -					Nozzle Size						
SURVEYS	Kind		at		Ft.		Deg. off				Kind		at		Ft.		Deg. off					
	HOURS										HOURS											
	On Line	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	On Line	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	On Line	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	On Line	Circulating		
MUD RECORD	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS					Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS						
												CEMENTED TOP OF CSG WITH 75 SKS CEMENT										
CORING	From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.						From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type					
DETAIL OF OPERATIONS AND REMARKS			From	To	Hrs.								From	To	Hrs.							
	W.O.C To FEEL Plug		2 <sup>00</sup>	2 <sup>00</sup>	2						TEAR OUT B.O.P.'s - OUT		2 <sup>00</sup>	2 <sup>00</sup>	2							
	Lay Down pipe & Break Kelly		2 <sup>00</sup>	4 <sup>30</sup>	2 1/2						CSG WELD ON PLATE											
	Lay Down Kelly & raise hole		4 <sup>30</sup>	8 <sup>00</sup>	3 1/2						WELD WELL SIGN ON TUB WITH FOUR FT RISER											
											Rig released at 2:00 P.M. March 9/67											
Driller: L. P. Hicks											Driller: Clifford Higgins											

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

Total Contract Time .....hrs. Total Company Time .....hrs. Toolpusher Louis

**IMPERIAL OIL LIMITED**

DAILY DRILLING REPORT No. ....

Contractor PETER BOWDEN DRILLING Type Rig Rotary Month March Day 9 1967

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

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

From	To	Hole Made	Hole Size	Formation

From	To	Hole Made	Hole Size	Formation

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

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

L	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL

DRILLING STRING	DRILL COLLARS

COLL	DRILLING STRING	DRILL COLLARS

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

Serial No.	Table R.P.M.

Bit Serial No.	Table R.P.M.

or Conventional -	Nozzle Size

or Conventional -	Nozzle Size

at	Ft.	Deg. off

Kind	at	Ft.	Deg. off

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

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

Visc.	Wt.	WL	pH	ADDITIVES — POUNDS

Time	Visc.	Wt.	WL	pH	ADDITIVES — POUNDS

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

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

From	To	Hrs.

From	To	Hrs.

CEMENTED TOP OF CSG WITH TEN SKS CEMENT

EAR CUT B.O.P.'S - OUT 8:00 2:00

CSG WELD ON PLATE

WELD WELL SIGN ON TOP WITH FOUR FT RISER

Rig released at 2:00 P.M.

March 9/67

Driller: Clifford Kipper

Driller:  

RIG MAINTENANCE: MISCELLANEOUS: CONDITION HOLE: REAMING CLEANING: WORKING PIPE: LOST CIRC.: MNFR. DRILLING LINE IN USE MNFR. OF KELLY HOSE IN USE REEL SERIAL No. HOSE SERIAL No. DID YOU CHECK BLOWOUT PREVENTER EQUIPMENT TODAY YES NO

Time:   hrs. Toolpusher: Louis [Signature] Approved by:

LSD. *10E* SEC. *Retard Pump G-72* TWN. RGE. W.

Contractor *Peter Lawden #15* Type

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

2nd Tour From: **9:00** a.m. To: **4:00** p.m.

DEPTH	1st Tour					2nd Tour				
	From	To	Hole Made	Hole Size	Formation	From	To	Hole Made	Hole Size	Formation
	<i>TD 7500</i>					<i>ROOT ID</i>				

DRILLING STRING	Size-D.P.	Stands	Singles	K-llv	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core	
	<i>4 1/2</i>	<i>82</i>	<i>1</i>	<i>28.00</i>	<i>-</i>								
	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF	
	COLLAR	DRILLING STRING					DRILL COLLARS	COLLAR	DRILLING STRING				
DATA													

BIT RECORD	No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE		No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FO							
								Drilled	Reamed									Drilled						
	Bit Serial No.						Table R.P.M.						Bit Serial No.						Table R.P.M.					
	Jet or Conventional -						Nozzle Size						Jet or Conventional -						Nozzle Size					

SURVEYS	Kind	at	Ft.	Deg. off	Kind	at	Ft.	Deg. off		
	HOURS				HOURS					
	On Line	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	On Line	Circulating	Pump Press	Length of Pump Stroke

MUD RECORD	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

DETAIL OF OPERATIONS AND REMARKS	From	To	Hrs.	From	To	Hrs.	
	<i>Run Velocity Survey</i>	<i>12:00</i>	<i>2:00</i>	<i>2</i>	<i>Plug to and run plug #1</i>	<i>3:00</i>	<i>10:00</i>
	<i>Run in &amp; Lay Down 12 D.C.'s</i>	<i>2:00</i>	<i>3:45</i>	<i>1 3/4</i>	<i>7500 to 7400 60 sec</i>		
	<i>Repair Chain in DWT's</i>	<i>3:45</i>	<i>4:45</i>	<i>1</i>	<i>Revised @ 104 W/L</i>		
	<i>Run in &amp; Pick up 13 Singles</i>	<i>4:45</i>	<i>8:00</i>	<i>3 1/4</i>	<i>Mix &amp; displace plug #1</i>	<i>10:00</i>	<i>10:45</i>
					<i>Pull out of plug #1 - 10 stands</i>	<i>10:45</i>	<i>11:25</i>
				<i>Lay down drill pipe</i>	<i>11:25</i>	<i>3:30</i>	
				<i>Run in 10 stands + 1 single to</i>	<i>3:30</i>	<i>4:00</i>	
				<i>run plug #2</i>			
Driller... <i>A. S. Hedges</i>				Driller... <i>W. Smith</i>			

CLASSES OF TIME BREAKDOWN

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

Total Contract Time .....hrs. Total Company Time .....hrs. Toolpusher *Steve*

**IMPERIAL OIL LIMITED**

**DAILY DRILLING REPORT No. 54**

Contractor Peter Dawson #15 Type Rig Oilwell 64 B Month March Day 9 1967

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

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

From	To	Hole Made	Hole Size	Formation
ROOT D				

From	To	Hole Made	Hole Size	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.

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

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

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

Serial No.	Table R.P.M.

Bit Serial No.	Table R.P.M.

Jet or Conventional	Nozzle Size

Jet or Conventional	Nozzle Size

Kind	at	Ft.	Deg. off	HOURS						
				On Line	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	

Kind	at	Ft.	Deg. off	HOURS						
				On Line	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	

Time	Visc.	Wt.	WL	pH	ADDITIVES — POUNDS

Time	Visc.	Wt.	WL	pH	ADDITIVES — POUNDS

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

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

	From	To	Hrs.
Run to and run plug #1	8:00	10:00	2
7400 to 7400 80 sec			
Single @ 104 Bbls mud			
Run + displace plug #1	10:00	10:45	3/4
Pull out of plug #1 - 10 stands	10:45	11:25	4
Run down drill pipe	11:00	3:30	4 1/2
Run in 10 stands + 1 stand to	3:30	4:00	
run plug #2			

	From	To	Hrs.
RIG UP CENTER	4:00	5:00	1 1/4
MIX 2 SPACES PLUG #2	5:00	5:45	1/2
PULL OUT OF PLUG #2	5:45	6:00	1/4
W.O.C.	6:00	12:00	6
DISK 750 - 250 2% Cat #2			
PLUG #2 INWARDS 45' ON			
3 SPACES PLUG #2 WITH			
11 BBLs WATER			

Driller: W. Limb

Driller: B. Hardie

REEL SERIAL No. \_\_\_\_\_ HOSE SERIAL No. \_\_\_\_\_ MISCELLANEOUS: WORKING PIPE: LOST CIRC.: \_\_\_\_\_ MNFR. DRILLING LINE IN USE \_\_\_\_\_ MNFR. OF KELLY HOSE IN USE \_\_\_\_\_ DID YOU CHECK BLOWOUT PREVENTER EQUIPMENT TODAY? YES NO

Time \_\_\_\_\_ hrs. Toolpusher \_\_\_\_\_ Approved by \_\_\_\_\_

1.0. E SATHA RIVER G-72

IMPERIAL OIL LIMITED

LSD..... SEC..... TWN..... RGE..... W..... Contractor *PETER BARNUM B.S. 16* Type Rig

1st Tour From: 12:00 Midnight To: 8:00 a.m.												2nd Tour From: 8:00 a.m. To: 4:00 p.m.											
DEPTH		From	To	Hole Made	Hole Size	Formation						From	To	Hole Made	Hole Size	Formation							
		7:00	TD									TD	7:00										
DRILLING STRING		Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.			Core Bbl. Ft.			Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.			Core Bbl. Ft.				
		4 1/2	77	1	30.78	447.56			2084.14			4 1/2	77	1	30.78	447.56							
DRILL		Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL						DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL						
COLLAR		15	6 1/8	2 3/16	447.56	DRILLING STRING						DRILL COLLARS	15	6 1/8	2 3/16	447.56	DRILLING STRING						DRILL COLLARS
DATA		152 m						32 m						DATA		152 m						32	
BIT RECORD		No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE			No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE				
									Drilled	Reamed									Drilled	Reamed			
		Bit Serial No.						Table R.P.M.						Bit Serial No.		Table R.P.M.							
		Jet or Conventional -						Nozzle Size						Jet or Conventional -		Nozzle Size							
SURVEYS		Kind	at			Ft.			Deg. off			Kind	at			Ft.			Deg. off				
PUMP RECORD		HOURS				Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURS				Pump Press	Length of Pump Stroke	Strokes Per Min.							
No. 1		On Line	Circulating							On Line							Circulating						
No. 2							14		5 1/2					14									
MUD RECORD		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						
DETAIL OF OPERATIONS AND REMARKS					From	To	Hrs.																
		LOGGING w/ SCHUMBERS IR			12:00	8:00	8	Logging Log Down 500 Rem in 2000 get a Bl... w/ 500															
								From 8:00 To 2:45 2:45 3:15 3:15 4:00															
Driller		B. Hardie										L. [Signature]											

CLASSES OF TIME BREAKDOWN  
 HEADING UP & DRLG. OUT: TOTCO: CONDITIONING MUD: CASING: LOGGING: RIG MAINTENANCE: REAMING CLEANING: MNFR. DRILLING  
 DRILLING: FISHING: TRIPPING: W.O.C. W. O. ORDERS: MISCELLANEOUS: WORKING PIPE: MNFR. OF KELLY  
 REAMING: CIRCULATING: CORING: D.S. TESTING: RIG REPAIRS: CONDITION HOLE: LOST CIRC.:  
 Total Contract Time .....hrs. Total Company Time .....hrs. Toolpusher [Signature]

**IMPERIAL OIL LIMITED**

**DAILY DRILLING REPORT No. 24**

Contractor Peter Dawson B.S. 16 Type Rig 64-B 2nd well Month March Day 7 1967

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

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

From	To	Hole Made	Hole Size	Formation	From	To	Hole Made	Hole Size	Formation		
7500					7500 TD			7 3/4			
Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4 1/2	77	1	30.78	447.56		4 1/2	77	69124A	30.79	447.56	2nd 4.1
DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL
COLLAR	15	6 1/8	2 1/4	447.56		COLLAR	15	6 1/8	2 1/4	447.56	
DATA	152 M. 32 M.				DATA	154 M. 40 M.					

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE	
							Drilled	Reamed
7	M46							

Bit Serial No. <u>RR</u>	Table R.P.M.	Bit Serial No. <u>90724</u>	Table R.P.M.
Jet or Conventional - <u>Conventional</u>	Nozzle Size	Jet or Conventional -	Nozzle Size <u>3 x 1/4</u>
Kind <u>at</u>	Ft.	Deg. off	

HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
On Line	Circulating				
			14		5 1/2
			14		6

Time	Visc.	Wt.	WL	pH	ADDITIVES — POUNDS
8:00	77	9.3	7.0	10	200 1200#

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

	From	To	Hrs.		From	To	Hrs.
Logging	8:00	2:45	6 3/4	Run in to condition hole to log	4:00	6:00	2
Log Down Log	2:45	3:15	1/2	20' W/O on bottom			
Run in could get to Bbl	3:15			Circulate & condition hole	6:00	8:30	2 1/2
w/ Log.	4:00	3/4		Work to log	8:30	11:00	2 1/2
				Fix to log on bottom	11:00	12:00	1

Driller: [Signature] Driller: [Signature]

RIG MAINTENANCE: MISCELLANEOUS: CONDITION HOLES: REAMING CLEANING: WORKING PIPE: LOST CIRC.: MNFR. DRILLING LINE IN USE: MNFR. OF KELLY HOSE IN USE: REEL SERIAL No.: HOSE SERIAL No.: DID YOU CHECK BLOWOUT PREVENTER EQUIPMENT TODAY: YES NO

Time .....hrs. Toolpusher [Signature] Approved by [Signature]

10E SATAH RIVER G-70

IMPERIAL OIL LIMITED

LSD..... SEC..... TWN..... RGE..... W..... Contractor PETER BARBER R.S. #6 Type R

1st Tour From: 12:00 Midnight To: 8:00 a.m.						2nd Tour From: 8:00 a.m. To: 4:00 p.m.																	
DEPTH		From	To	Hole Made	Hole Size	Formation	From		To	Hole Made	Hole Size	Formation											
			7500		7 7/8		7500																
DRILLING STRING	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.											
	4 1/2	74	1	2086	729.19		4 1/2	77	1	30.78	447.56												
	DRILL Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL		DRILL Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL												
COLLAR	24	6 1/8	2 3/16	727.19	DRILLING STRING	DRILL COLLARS	COLLAR	15	6 1/8	2 3/16	447.56	DRILLING STRING	DRILL COLLARS										
DATA	160M					50M	DATA	152M					22										
BIT RECORD	No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE		No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE						
	34	YH	10:30 AM	11:00 AM	22	7500	45	172		27	M4L	8:00 AM	8:30 AM	3									
Bit Serial No. <u>E14173</u>						Table R.P.M.						Bit Serial No. <u>27</u>						Table R.P.M. <u>RR 1900734</u>					
Jet or Conventional -						Nozzle Size <u>3 1/16</u>						Jet or Conventional -						Nozzle Size					
SURVEYS	Kind	To To		at	7500		Ft.	1 1/2		Deg. off	Kind		at		Ft.		Deg. off						
	HOURS		Pump Press		Length of Pump Stroke		Strokes Per Min.		Liner Size		HOURS		Pump Press		Length of Pump Stroke		Strokes Per Min.						
On Line		Circulating						5 1/2		On Line		Circulating		600		14		58					
MUD RECORD	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS						Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS						
	2:30	115	7.4	7.2	10.5	S.L.M. 7499.26						2:00	100	9.4	7.1	10.5	R.F.L. 500						
TALLY 7500.00												3:30						82 7.4 7.6 10.5					
CORING	From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.	From					To	Ft. Cored	Ft. Rec'd.	Core No.	Type							
DETAIL OF OPERATIONS AND REMARKS							From	To	Hrs.							From	To						
	C.A.G. PRIOR TO TAP						12:00	1:00	1	FINISH SHIPPING LINE						8:00	8:30						
	SURVEY						1:00	1:10	1/4	Rig in SHACK BOI'S						8:30	8:45						
	STOP OUT TO LOG						1:10	4:30	3 1/4	RUN IN D.P. & LOG DOWN 9						8:45	10:15						
	LAY DOWN CORE BBL:						4:30	5:30	1	FINISH TAP 24						10:15	12:30						
	P.G. UP LOGGING TOOL						5:30	5:45	1/4	CIRC WORK PIPE (CAND)						12:30							
LOGGING W/ SCHUMBERGER						5:45	7:30	1 3/4	HOLE							4:00							
UNABLE TO GET TO BIT W/ LOG																							
CUT & SLIP DRILL LINE						7:30	8:00	1/2															
Driller: <u>B. Herdie</u>												Driller: <u>J. S. Hicks</u>											

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

Total Contract Time .....hrs. Total Company Time .....hrs. Toolpusher John A. ...

**IMPERIAL OIL LIMITED**

DAILY DRILLING REPORT No. 513

Contractor Peter Dawson R.S. 6 Type Rig 64 S OIL WELL Month MARCH Day 19 1957

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

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

From	To	Hole Made	Hole Size	Formation	
<u>7500</u>					
Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
<u>4 1/2"</u>	<u>77</u>	<u>1</u>	<u>30.73</u>	<u>447.56</u>	
DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL
<u>COLLAR</u>	<u>15</u>	<u>6 1/8"</u>	<u>2 7/8"</u>	<u>447.56</u>	<u>DRILLING STRING</u>
<u>DATA</u>				<u>152 M</u>	<u>22 M</u>

From	To	Hole Made	Hole Size	Formation	
<u>7500TD</u>					
Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
<u>4 1/2"</u>		<u>6317.46</u>	<u>30.73</u>	<u>447.56</u>	<u>22 M</u>
DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL
<u>COLLAR</u>	<u>15</u>	<u>6 1/8"</u>	<u>2 7/8"</u>	<u>447.56</u>	<u>DRILLING STRING</u>
<u>DATA</u>				<u>152 M</u>	<u>40 M</u>

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE	
							Drilled	Reamed
<u>7</u>	<u>MHL</u>	<u>clean</u>	<u>23 PM</u>					
Bit Serial No. <u>27 RR (900734)</u> Table R.P.M.							Nozzle Size	
Kind or Conventional -							Nozzle Size <u>3 x 1/8</u>	
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
<u>27</u>	<u>MHL</u>	<u>clean</u>	<u>cut trip</u>					
Bit Serial No. <u>930724</u> Table R.P.M.							Nozzle Size <u>3 x 1/8</u>	
Kind or Conventional -							Nozzle Size <u>3 x 1/8</u>	
Kind		at		Ft.		Deg. off		

HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
On Line	Circulating				
<u>3 1/2</u>		<u>600</u>	<u>14</u>	<u>58</u>	<u>5 1/2</u>

HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
On Line	Circulating				
<u>1 1/2</u>		<u>625</u>	<u>4</u>	<u>58</u>	<u>5 1/2</u>

Time	Visc.	Wt.	WL	pH	ADDITIVES — POUNDS	
<u>8:00</u>	<u>100</u>	<u>9.4</u>	<u>7.10.5</u>	<u>10.5</u>	<u>6 RL</u>	<u>500#</u>
<u>9:30</u>	<u>82</u>	<u>9.4</u>	<u>7.6</u>	<u>10.5</u>		

Time	Visc.	Wt.	WL	pH	ADDITIVES — POUNDS	
<u>5:00</u>	<u>79</u>	<u>74</u>	<u>7.6</u>	<u>10.5</u>	<u>2 RL</u>	<u>700#</u>

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

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

	From	To	Hrs.
<u>FINISH SHIPPING LINE</u>	<u>8:00</u>	<u>8:30</u>	<u>1/2</u>
<u>Big size check Bbl's</u>	<u>8:30</u>	<u>8:45</u>	<u>1/4</u>
<u>RUN IN D.P.'s LAST DOWN 9</u>	<u>8:45</u>	<u>10:15</u>	<u>1 1/2</u>
<u>FINISH TRIP IN</u>	<u>10:15</u>	<u>12:30</u>	<u>2 1/4</u>
<u>TRIP WORK PIPE CONDUIT</u>	<u>12:35</u>		
<u>HOPE</u>		<u>4:00</u>	<u>3 1/2</u>

	From	To	Hrs.
<u>Circulate + sand bed to log</u>	<u>4:00</u>	<u>5:30</u>	<u>1 1/2</u>
<u>Time to log</u>	<u>5:30</u>	<u>7:30</u>	<u>2</u>
<u>Logging in Lullman</u>	<u>7:30</u>	<u>12:00</u>	<u>4 1/2</u>

Driller: L. J. Hicks

Driller: W. J. [unclear]

RIG MAINTENANCE: REAMING CLEANING: MNFR. DRILLING LINE IN USE REEL SERIAL No. DID YOU CHECK BLOWOUT PREVENTER EQUIPMENT TODAY  
 MISCELLANEOUS: WORKING PIPE: MNFR. OF KELLY HOSE IN USE HOSE SERIAL No. YES NO  
 CONDITION HOLE: LOST CIRC.: NO

Time .....hrs. Toolpusher [Signature] Approved by [Signature]





**IMPERIAL OIL LIMITED**

**DAILY DRILLING REPORT No. 52**

Contractor Peter S. Wynn R.O. #16 Type Rig 64801 Well Month MARCH Day 5 1967

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

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

From	To	Hole Made	Hole Size	Formation	
383	7433	50	7 7/8		
Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4 1/2	74	2	15.86	727.19	
DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL
24	6 1/8	2 3/16	727.19		162
DRILLAR	DATA	DRILLING STRING	DRILL COLLARS		
				162	52 M.

From	To	Hole Made	Hole Size	Formation	
7433	7500TD	67	7 7/8		
Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4 1/2	74	6747.51	20.86	727.19	414
DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL
24	6 1/8	2 3/16	727.19		160 M
DRILLAR	DATA	DRILLING STRING	DRILL COLLARS		
				160 M	52 M

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE	
4	YH			15		45	105	

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE	
34	YH	10:00 PM	11:00 PM	22	7500	45	172	

Bit Serial No. E 14073 Table R.P.M. 72  
 Kind or Conventional - Conventional Nozzle Size 3-1/4  
 Kind at Ft. Deg. off

Bit Serial No. E 14173 Table R.P.M. 70  
 Kind or Conventional - Conventional Nozzle Size 3-1/4  
 Kind at Ft. Deg. off

HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
On Line	Circulating	650	14	58	5 1/2

HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
On Line	Circulating	650	14	58	5 1/2

Time	Visc.	Wt.	WL	pH	ADDITIVES — POUNDS	
8:30	87	9.4	6.8	10.5	Grease	1200#
9:30	75	9.4	7.4	10.5	Caustic	50#
10:30	76	9.4	7.0	11.0	S.H.S.H.	100#
11:30	84	9.3	7.2	11.0		

Time	Visc.	Wt.	WL	pH	ADDITIVES — POUNDS	
5:00	84	9.3	7.6	11.0	3/2	1200#
7:00	84	9.3	7.6	11.0		
9:00	85	9.3	7.6	11.0		
11:00	92	9.3	7.2	11.0		

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

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

	From	To	Hrs.
Drilling 7 7/8" Hole	8:00	8:35	1/2
Replace New Chain on Rotary Drive	8:30	9:30	1
Drilling 7 7/8" Hole	9:30	11:45	2 1/4
Repair Lubricated Pump	11:45	1:15	1/2
Drilling 7 7/8" Hole	1:15	4:00	2 3/4

	From	To	Hrs.
Drill 7 7/8" Hole	4:00	11:00	7:00
Circulate + work hole to log	11:00	12:00	1

Driller: L. S. Hester Driller: Ad. Jim

RIG MAINTENANCE: MISCELLANEOUS: CONDITION HOLE: REAMING CLEANING: WORKING PIPE: LOST CIRC.: MNFR. DRILLING LINE IN USE: MNFR. OF KELLY HOSE IN USE: REEL SERIAL No.: HOSE SERIAL No.: DID YOU CHECK BLOWOUT PREVENTER EQUIPMENT TODAY: YES NO

Time .....hrs. Toolpusher Louis Approved by .....

L.O. E SATAB RIVER G-72

LSD..... SEC..... TWN..... RGE..... W..... Contractor *R.T. SINDERS #16* Type R

1st Tour From: 12:00 Midnight To: 8:00 a.m.										2nd Tour From: 8:00 a.m. To: 4:00 p.m.													
DEPTH		From	To	Hole Made	Hole Size	Formation				From	To	Hole Made	Hole Size	Formation									
		7245	7269	24	7 7/8					7269	7323	54	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.							
		4 1/2	71-0 63022		35.46	727.19		Sub 4.14		4 1/2	72	1	23.09	727.19									
DRILL		Number	OD	ID	Length	INDICATOR		WEIGHT OF TOTAL		DRILL		Number	OD	ID	Length	INDICATOR		WEIGHT OF TOTAL					
COLLAR		24	6 1/8	2 3/16	727.19	DRILLING STRING		DRILL COLLARS		COLLAR		24	6 1/8	2 3/16	727.19	DRILLING STRING		DRILL COLLARS					
DATA						157M		82M		DATA						159		52					
BIT RECORD		No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit Pounds	FOOTAGE		No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE					
		32	YH	4:00 AM	12:00	19 1/2	7246	45	126		33	YH			10		45M	97					
		33	YH	5:00 AM	2:14			45	23														
Bit Serial No. E63062, E7463 Table R.P.M. 65										Bit Serial No. E74613 Table R.P.M.													
Jet or Conventional - CONV.										Jet or Conventional - CONV. Nozzle Size 3 1/16													
SURVEYS		Kind	TOTCO		at	7235	Ft.	1 1/4	Deg. off	Kind	at		Ft.	Deg. off									
PUMP RECORD		HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.											
No. 1		On Line	Circulating					On Line	Circulating														
No. 2		724	2 1/2	620	14	56	5 1/2	7	7 3/4	320	14	40											
MUD RECORD		Time	Visc.	Wt.	WL	pH	ADDITIVES — POUNDS					Time	Visc.	Wt.	WL	pH	ADDITIVES — POUNDS						
		7:30	85	9.4	6.8	10.5						8:30	80	9.4	6.8	10.5	CEL	1800					
												10:30	70	9.4	6.6	10.5	S.H.S.H.	100					
												1:30	85	9.4	6.6	10.5	MUSIC	25					
												5:30	72	9.4		10.5							
CORING		From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type	Bbl.	From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type									
DETAIL OF OPERATIONS AND REMARKS		From						To	Hrs.	From						To							
		SURVAY @ 7235						12:00	12:15	1/4	RIG SER. CHECK BOB'S KELLY						8:00						
		HOIST FOR BIT #32						12:15	3:00	2 3/4	VALUE						8:15						
		RIG SER CHECK BOB'S						3:00	3:30	1/2	DRILLING 7 7/8" HOLE						8:15						
		RAN IN W/B.T #33						3:30	5:30	2							4:00						
		BRIAN CIRC. CLEANS TO BTM						5:30	5:45	1/4													
		DRILL 7 7/8" HOLE						5:45	8:00	2 1/4													
Driller: <i>B. Hardie</i>										Driller: <i>A. S. Hicks</i>													

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

Total Contract Time .....hrs. Total Company Time .....hrs. Toolpusher *Houder*

**IMPERIAL OIL LIMITED**

**DAILY DRILLING REPORT No. 50**

Contractor *R. S. Sandoz & Co #16* Type Rig *Oil 22.26 64-8* Month *March* Day *4* 19*52*

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

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

From	To	Hole Made	Hole Size	Formation
269	7323	54	7 7/8	

From	To	Hole Made	Hole Size	Formation
7323	7336	13	7 3/4	

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4 1/2	72	1	23.09	727.19	

Size-D.P.	Stands	Singles	Kelly m	Drill. Collar Ft.	Core Bbl. Ft.
4 1/2		6567.58	41.64	727.19	2 1/2 4.14

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL
COLLAR	24	6 1/2	2 3/4	727.19	

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL
COLLAR	24	6 1/2	2 3/4	727.19	

DATA	153	52 1/2
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DATA	160 M	60 M
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No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE	
33	YH			10		45M	97	

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE	
33	YH	5:40 AM	4:45 PM	10 3/4	7323	45	92	
34	YH	1:37 PM		1 1/2			8	

Bit Serial No. E74613	Table R.P.M. 65
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Bit Serial No. E74613	Table R.P.M. 70
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Jet or Conventional - <i>Conventional</i>	Nozzle Size 3 - 1/16
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Jet or Conventional -	Nozzle Size 3 x 1/16
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Kind	at	Ft.	Deg. off

Kind	at	Ft.	Deg. off

HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
On Line	Circulating				
		650	24	58	5 1/2
7	7 3/4	300	14	40	6

HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
On Line	Circulating				
2 1/2		700	14	58	5 1/2
		on tank	14	40	6

Time	Visc.	Wt.	WL	pH	ADDITIVES — POUNDS	
8:00	80	9.4	6.8	10.5	GEL	1800 #
9:30	90	9.4	6.6	10.5	S.H.S.H.	100 #
10:30	85	9.4	6.6	10.5	CHUSIC	25 #
11:30	72	9.4		10.5		

Time	Visc.	Wt.	WL	pH	ADDITIVES — POUNDS	
5:00	90	9.4	6.5	10.5	base mud	100 #
					water	25 #
					oil	750 #

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

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

From	To	Hrs.
Rig SER. Check Bob's Kelly	8:00	1/4
VALVE	8:15	
DRILLING 7 7/8" HOPE.	8:15	4:00
	7:54	

From	To	Hrs.
Drill 7 3/4" hole	4:00	4:45
Reamed + circulate 1/2 hr.	4:45	5:15
Don't bit #33	5:15	7:30
Push BOP's + change bit	7:30	8:00
Strip + cut 23 drilling line	8:00	8:30
Run in bit #34	8:30	10:30
Drill 7 3/4" hole	10:30	12:00

Driller: *A. S. Hester*

Driller: *W. Daniel*

RIG MAINTENANCE: MISCELLANEOUS: CONDITION HOLE:	REAMING CLEANING: WORKING PIPE: LOST CIRC.:	MNFR. DRILLING LINE IN USE	MNFR. OF KELLY HOSE IN USE	REEL SERIAL No.	HOSE SERIAL No.	DID YOU CHECK BLOWOUT PREVENTER EQUIPMENT TODAY?
						YES NO

Time ..... hrs. Toolpusher *James* Approved by .....

JOE SATAN RIVER

IMPERIAL OIL LIMITED

LSD. SEC. TWN. RGE. W. Contractor *Peter B. ...* Type Rig

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

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

DEPTH	1st Tour				2nd Tour			
	From	To	Hole Made	Hole Size	From	To	Hole Made	Hole Size
	7120	7140	20	7 7/8	7140	7192	52	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.
		4 1/2	70-5 6381-13		28.54	727.17	508 4.14	4 1/2	71	-	22.75	727.17

BIT RECORD	No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE		No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE	
		32	YH	4:00		4		40	20		32	YH			11 3/4		420	20

Bit Serial No. *E63065* Table R.P.M. *65* Bit Serial No. *E63065* Table R.P.M. *65*

Jet or Conventional - *CONV.* Nozzle Size Jet or Conventional - *CONV.* Nozzle Size

SURVEYS	Kind	at	Ft.	Deg. off	HOURS													
	On Line	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	On Line	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.							
No. 1																		
No. 2																		

MUD RECORD	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS											
	5:00	98	9.4	7.2	10.5												
7:00	87	9.4	6.7	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.

DETAIL OF OPERATIONS AND REMARKS	From	To	Hrs.	From	To	Hrs.
	FINISH TRIP OUT	12:00	1:00	1	DRILLING 7 7/8" HOLES	8:00
R.G. SER. CHECK BOP'S	1:00	1:30	1/2	Rig SER. CHECK BOP'S Kelly	10:00	
SLIP CUT D. LINE	1:30	1:45	1/4			
RAM IN HOLES	1:45	4:00	2 1/4	DRILLING 7 7/8" HOLES	10:15	4:00
DRILL 7 7/8" HOLES	4:00	8:00	4			

Driller: *B. Hardie* Driller: *A. S. ...*

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 L: MNFR. OF KELLY H

Total Contract Time .....hrs. Total Company Time .....hrs. Toolpusher *Louis ...*

**IMPERIAL OIL LIMITED**

DAILY DRILLING REPORT No. 50

Contractor PETER BOWDEN R.C. #16 Type Rig W.B. DUBUECH Month MARCH Day 3 1967

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

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

From	To	Hole Made	Hole Size	Formation
40	7192	52	7 7/8	

From	To	Hole Made	Hole Size	Formation
7192	7245	53	7 7/8	

D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
62	71	-	2275	227.19	

Size-D.P.	Stands	Singles	Kelly	D.ill. Collar Ft.	Core Bbl. Ft.
45	71	6471.61	41.65	727.19	net 4.14

L	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL
LAR	24	6 1/8	2 1/16	727.19	
A					157 M 52.

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL
COLLAR	24	6 1/8	2 1/16	727.19	
DATA					156 M 52 M

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE	
YH				11 3/4	-	45 M	Drilled	Reamed
							22	

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE	
32	YH	4:00 AM		19 1/2		45	Drilled	Reamed
							125	

Serial No. E 63065 Table R.P.M. 72  
 or Conventional - 0000 Nozzle Size 3 1/16

Bit Serial No. E 63065 Table R.P.M. 70  
 or Conventional - 0000 Nozzle Size 3 1/16

HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
On Line	Circulating				
7 3/4		650	14	58	2 1/2

HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
On Line	Circulating				
7 3/4		700	14	58	2 1/2
			14	40	3

Time	Visc.	Wt.	WL	pH	ADDITIVES — POUNDS	
8:30	9.5	9.8	6.5	10.5	CEL	1000 #
9:30	9.3	9.4	6.6	10.5	CAUSTIC	25 #
10:40	9.4	9.4	6.4	10.5	CMC	50 #
11:00	9.2	9.4	6.4	10.5	S. A. G. H.	100 #

Time	Visc.	Wt.	WL	pH	ADDITIVES — POUNDS	
5:00	8.4	9.7	6.2	10.5	iron ash	100 #
7:00	8.2	9.3	6.2	10.5		
9:10	8.0	9.4	6.8	10		
11:00	8.0	9.4	6.8	10		

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

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

From	To	Hrs.	
Drilling 7 7/8" Hole	8:00	10:00	2
7 SEP CHECK BOB & KELLY VALVE	10:00	10:15	1/4
Drilling 7 7/8" Hole	10:15	4:00	3 3/4

From	To	Hrs.	
Rig service	4:00	4:15	1/4
Drill 7 7/8" Hole	4:15	12:00	7 3/4

Driller A. J. Hicks

Driller W. J. Smith

RIG MAINTENANCE: MISCELLANEOUS: CONDITION HOLE: REAMING CLEANING: WORKING PIPE: LOST CIRC.: MNFR. DRILLING LINE IN USE MNFR. OF KELLY HOSE IN USE REEL SERIAL No. HOSE SERIAL No. DID YOU CHECK BLOWOUT PREVENTER EQUIPMENT TODAY YES NO

Time \_\_\_\_\_ hrs. Toolpusher Louis [Signature] Approved by \_\_\_\_\_



**IMPERIAL OIL LIMITED**

**DAILY DRILLING REPORT No. 42**

Contractor Peter S. Brown R.C. #16 Type Rig 6M: B. 8. 1/2 Month MARCH Day 2 1962

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

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

From	To	Hole Made	Hole Size	Formation				
023	7077	54	7 1/2					
Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.			
1/2	69	2	26.46	727.19				
DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL			
COLLAR	24	6 1/8	2 1/4	727.19	DRILLING STRING DRILL COLLARS			
DATA				152 M	52 M			
No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE	
1	YH			12 1/4		4.8 M	89	

From	To	Hole Made	Hole Size	Formation				
7079	7120	41	7 3/8					
Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.			
4 1/2	6352.4		36.26	727.19	sub 4.14			
DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL			
COLLAR	24	6 1/8	2 1/4	727.19	DRILLING STRING DRILL COLLARS			
DATA				155	50 M			
No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE	
31	YH	3:20 AM	10:20 AM	18 1/2	7120	45	130	-

Bit Serial No. E 54 160 Table R.P.M. 72  
 Jet or Conventional - Conventional Nozzle Size 3-11/16

Bit Serial No. E 4150 Table R.P.M. 70  
 Jet or Conventional - Jet Nozzle Size 3x1 1/8

Kind	at	Ft.	Deg. off
HOURS			
On Line	Circulating	Pump Press	Length of Pump Stroke
7 3/4		200	14
	8	200	14
Strokes Per Min.	Liner Size		
58	5 1/2		
40	6		

Kind	at	Ft.	Deg. off
HOURS			
On Line	Circulating	Pump Press	Length of Pump Stroke
6 1/4		750	14
	100	750	14
Strokes Per Min.	Liner Size		
60	5 1/2		
40	6		

Time	Visc.	Wt.	WL	pH	ADDITIVES — POUNDS	
30	90	9.5	6.7	11	CEL	1200 #
30	150	9.5	5.4	10.5	CMC	50 #
30	95	9.5	6.2	10.5	SASH	100 #
30	90	9.5	6.2	10.5	CAUSTIC	25 #

Time	Visc.	Wt.	WL	pH	ADDITIVES — POUNDS	
5:00	88	9.4	6.2	10.5	Caustic	50 #
7:00	95	9.4	6.4	10.5	Large Am	100 #
9:00	122	9.4	6.0	10.5		

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

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

	From	To	Hrs.
Drilling 7 1/2" Hole	8:00	9:15	1 1/4
Set back 800' Kelly Valve	9:15	9:30	1/4
Drilling 7 3/8" Hole	9:30	4:00	6 1/2

	From	To	Hrs.
Rig remain	4:00	4:15	1/4
Drill 7 3/8" hole	4:15	10:30	6 1/4
Surgey + Blow Kelly	10:30	10:45	1/4
Start bit # 31	10:45	12:00	1 1/4

Driller: L. S. White

Driller: H. J. Jones

RIG MAINTENANCE: REAMING CLEANING: MNFR. DRILLING LINE IN USE REEL SERIAL No. DID YOU CHECK BLOWOUT PREVENTER EQUIPMENT TODAY  
 MISCELLANEOUS: WORKING PIPE: MNFR. OF KELLY HOSE IN USE HOSE SERIAL No. YES NO  
 CONDITION HOLE: LOST CIRC.: MNFR. OF KELLY HOSE IN USE

Time \_\_\_\_\_ hrs. Toolpusher Louis White Approved by \_\_\_\_\_



..... LSD..... SEC..... TWN..... RGE..... W..... Contractor Peter S. ... Type R

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

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

DEPTH	1st Tour					2nd Tour				
	From	To	Hole Made	Hole Size	Formation	From	To	Hole Made	Hole Size	Formation
	6864	6888	22	7 7/8		6888	6948	60	7 7/8	

DRILLING STRING	1st Tour						2nd Tour					
	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	67-0		14.16	727.19	308 4.14	4"	68	1	13.67	727.19	

BIT RECORD	1st Tour							2nd Tour										
	No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE		No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE	
	30	YH	3 <sup>00</sup>		4 <sup>14</sup>		40	22		30	YH	3 <sup>42</sup>		12		40	89	

SURVEYS	1st Tour					2nd Tour				
	Kind	at	Ft.	Deg. off		Kind	at	Ft.	Deg. off	

PUMP RECORD	1st Tour					2nd Tour						
	On Line	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	On Line	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
No. 1		4 1/2	750	14	56	5 1/2	7 3/4		250	14	58	
No. 2	7 3/4			14		6			200	14	40	

MUD RECORD	1st Tour						2nd Tour					
	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
	122	9.5	6.6	10.5			8:30	110	9.5	6.6	10.5	Red. 1100 <sup>lb</sup>
	102	9.5	7.0	10.5			10:30	99	9.5	6.6	10.5	CMC. 50 <sup>lb</sup>
							1:30	105	9.5	6.7	10.5	
							3:30	95	9.5	6.7	10.5	

CORING	1st Tour						2nd Tour					
	From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.	From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type

DETAIL OF OPERATIONS AND REMARKS	1st Tour			2nd Tour		
	From	To	Hrs.	From	To	Hrs.
FINISH TRIP-OUT	12 <sup>00</sup>	2 <sup>30</sup>	1/2			
CHECK BOPS	2 <sup>30</sup>	12 <sup>00</sup>	1/4			
R.C. SER	12 <sup>00</sup>	1 <sup>00</sup>	1/4			
CUT & SLP O. LINE	1 <sup>00</sup>	1 <sup>30</sup>	1/2			
Run 2 W/BT #30	1 <sup>30</sup>	3 <sup>30</sup>	2			
CLEAN G' TO BTM	3 <sup>30</sup>	3 <sup>45</sup>	1/4			
DRILL 7 7/8" Hole	3 <sup>45</sup>	8 <sup>00</sup>	4 1/4			

Driller: B. Hardie Driller: L. Hicks

CLASSES OF TIME BREAKDOWN							
HEADING UP & DRLG. OUT:	TOTCO:	CONDITIONING MUD:	CASING:	LOGGING:	RIG MAINTENANCE:	REAMING CLEANING:	MNFR. DRILLING
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

Total Contract Time .....hrs. Total Company Time .....hrs. Toolpusher ...

**IMPERIAL OIL LIMITED**

**DAILY DRILLING REPORT No. 47**

Contractor PETER BROWN RIG #16 Type Rig DAWILL 64-B Month MARCH Day 19 1967

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

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

From	To	Hole Made	Hole Size	Formation
388	6948	60	7 7/8	

From	To	Hole Made	Hole Size	Formation
6948	6990	42	7 7/8	

e-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
1/2	68	1	13 1/2	727.19	

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4 1/2	28	2	271.5	27.02	727.19 sub 414

ILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL
COLLAR	24	6 1/8	2 1/4	727.19	DRILLING STRING

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL
COLLAR	24	6 1/8	2 1/4	727.19	DRILLING STRING

DATA	153 M.	52 M.
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DATA	152 M.	45 M.
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No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE
0	YH	3:45 AM		12		400	89

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE
30	YH	3:45 AM	10:45 AM	18	6990	40	126

Bit Serial No.	E74619	Table R.P.M.	72
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Bit Serial No.	E74619	Table R.P.M.	65
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Jet or Conventional	Conventional	Nozzle Size	3-1/4
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Jet or Conventional	Conventional	Nozzle Size	3-1/4
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Kind	Jet	at	6990	Ft.		Deg. off	
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Kind	Jet	at	6990	Ft.		Deg. off	
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HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
On Line	Circulating				
7 3/4		250	14	58	5 1/2

HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
On Line	Circulating				
6		775	14	60	5 1/2

Time	Visc.	Wt.	WL	pH	ADDITIVES — POUNDS	
30	110	9.5	6.6	10.5	CEL	1100#
30	99	9.5	6.6	10.5	C.M.E.	50#
30	105	9.5	6.7	10.5		
30	95	9.5	6.7	10.5		

Time	Visc.	Wt.	WL	pH	ADDITIVES — POUNDS	
5:00	83	9.5	5.4	10	CEL	1200#
7:00	143	9.5	6.0	10	CEL	100#
9:00	180	9.5	6.0	11		

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

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

From	To	Hrs.	Description
8:00	11:45	3 3/4	Drill into 7 7/8" Hole.
11:45			Rig SEM CHECK BOP's + Kelly Valve.
12:00	4:00	4	DRILL 7 7/8" Hole.

From	To	Hrs.	Description
4:00	4:15	1/4	Rig service
4:15	10:15	6	Drill 7 7/8" hole
10:15	10:30	1/4	Survey
10:30	12:00	1 1/2	Work bit #30

Driller: L. Hicks

Driller: W. Quinn

RIG MAINTENANCE: MISCELLANEOUS: CONDITION HOLE: REAMING CLEANING: WORKING PIPE: LOST CIRC.: MNFR. DRILLING LINE IN USE: MNFR. OF KELLY HOSE IN USE: REEL SERIAL No.: HOSE SERIAL No.: DID YOU CHECK BLOWOUT PREVENTER EQUIPMENT TODAY: YES NO

Time: \_\_\_\_\_ hrs. Toolpusher: Luis Approved by: \_\_\_\_\_

10E Satal River G-72

LSD. SEC. TWN. RGE. W. Contractor *Peter Paulson #16* Type R

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m.

DEPTH	1st Tour				2nd Tour			
	From	To	Hole Made	Hole Size	From	To	Hole Made	Hole Size
	6734	6770	36	7 3/4	6770	6822	52	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.
		4 1/2	66	62236	16.31	727.19	sub 4.14	4 1/2	66-3	6022-25	38.22	727.19

DRILLING STRING	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL
		COLLAR	24	6 1/2	2 3/8	727.19	DRILLING STRING	COLLAR	24	6 1/8	2 3/8	727.19

BIT RECORD	No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE		No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE	
		29	YH	145AM		6		38	36		29	YH	1409m		3 3/4		40	38

SURVEYS	Bit Serial No.	Table R.P.M.	Bit Serial No.	Table R.P.M.
	E 94064	65	E 94064	65

SH PUMP RECORD	HOURS					Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURS					Pump Press	Length of Pump Stroke	Strokes Per Min.
	No. 1	On Line	Circulating									14	58	5 1/2			
No. 2							14		6	7 3/4						14	

MUD RECORD	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS					Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS					
		3:00	178	9.3	5.6	10.5						8:00	108	9.4	6.2	7.5	Caustic	20			
	5:00	145	9.3	5.6	10.5						11:00	120	9.5	6.4	10.5	Gil	200				
	7:00	108	9.4	5.8	10.5						1:00	75	5.8	6.5	cmc	50					

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

DETAIL OF OPERATIONS AND REMARKS	From	To	Hrs.	From	To	Hrs.
	Run in bit #29	12:00	12:45	3/4	Drill 7 7/8" hole	8:00
Blow belly + rig reverse	12:45	1:00	1/4	R.O. S.A. check 300's	11:45	12:00
Clean 15' to bottom	1:00	1:45	3/4	DRLG.	12:00	4:00
Drill 7 3/4" hole	1:45	5:30	3 3/4			
Work on pump - rock under valve	5:30	5:45	1/4			
Drill	5:45	8:00	2 1/4			

Driller: *H. [Signature]* Driller: *S. Harsh*

CLASSES OF TIME BREAKDOWN  
 HEADING UP & DRLG. OUT: TOTCO: CONDITIONING MUD: CASING: LOGGING: RIG MAINTENANCE: REAMING CLEANING: MNFR. DRILLING  
 DRILLING: FISHING: TRIPPING: W.O.C: W. O. ORDERS: MISCELLANEOUS: WORKING PIPE: MNFR. OF KELLY  
 REAMING: CIRCULATING: CORING: D.S. TESTING: RIG REPAIRS: CONDITION HOLE: LOST CIRC.:  
 Total Contract Time .....hrs. Total Company Time .....hrs. Toolpusher *Louis [Signature]*

**IMPERIAL OIL LIMITED**

DAILY DRILLING REPORT No. 45

Contractor Peter Bowden #16 Type Rig Oilwell 64B Month Feb Day 29 1967

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

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

From	To	Hole Made	Hole Size	Formation				
6770	6822	52	7 7/8					
Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.			
4 1/2	60-2		38.22	727.19	5.8 4.14			
RILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL			
COLLAR	24	6 1/8	2 3/16	727.19	DRILLING STRING			
DATA					160 m			
					50 m			
No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE	
29	YH	1:09 a.m.		3 3/4		40	88	

From	To	Hole Made	Hole Size	Formation				
6822	6864	42	7 7/8					
Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.			
4 1/2	67	1	20.24	727.19				
DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL			
COLLAR	24	6 1/8	2 3/16	727.19	DRILLING STRING			
DATA					159 m			
					52			
No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE	
29	YH			19	6864	40 m	130	

Bit Serial No. E94064 Table R.P.M. 65  
 Jet or Conventional - CONV. Nozzle Size 3-1/16

Bit Serial No. E94064 Table R.P.M. 65  
 Jet or Conventional - CONV. Nozzle Size 3-1/16

Kind	at	Ft.	Deg. off		
HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
On Line	Circulating				
	7 3/4	700	14	56	5 1/2
	7 3/4		14		6

Kind	at	Ft.	Deg. off		
HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
On Line	Circulating				
		750	14	58	5 1/2
	8	200	14	50	6

Time	Visc.	Wt.	WL	pH	ADDITIVES — POUNDS
10:00	108	9.4	6.2	7.5	CAUSTIC 20
11:00	120	9.5	6.4	10.5	GEL 2100
	105	7.5	5.8	10.5	cmc 50

Time	Visc.	Wt.	WL	pH	ADDITIVES — POUNDS
4:30	125	9.5	7.3	10.5	
7:30	130	9.5	6.6	10.5	
11:30	110	9.5	5.3	12.5	

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

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

	From	To	Hrs.
Drill 7 7/8" Hole	8:00	11:40	3 3/4
R.O. 3 in. check 300's	11:40	12:00	1/4
DELC.	12:00	4:00	4

	From	To	Hrs.
Rig SER CHECK Kelly Valve	9:00	9:15	1/4
DR. LG 7 7/8" Hole	9:15	9:30	1/4
DROP SURVEY	9:30	9:45	1/4
HOIST BIT #29	9:45	12:00	2 1/4

Driller. S. Hancock

Driller. A. J. H. [Signature]

RIG MAINTENANCE: MISCELLANEOUS CONDITION HOLE: REAMING CLEANING: WORKING PIPE. LOST CIRC.: MNFR. DRILLING LINE IN USE MNFR. OF KELLY HOSE IN USE REEL SERIAL No. HOSE SERIAL No. DID YOU CHECK BLOWOUT PREVENTER EQUIPMENT TODAY YES NO

Time hrs. Toolpusher Louis [Signature] Approved by \_\_\_\_\_

10E Batah River G-72  
 LSD..... SEC..... TWN..... RGE..... W..... Contractor *Peter Bowden #16* Type Rig

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

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

DEPTH	1st Tour					2nd Tour				
	From	To	Hole Made	Hole Size	Formation	From	To	Hole Made	Hole Size	Formation
	6642	6666	24	7 3/8		6666	63	2727	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.	
	4 1/2	590.62		34.05	727.19	sub 4.14	4 1/2	58-2 596.28		36.37	727.19	sub 4.14	
	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
	COLLAR	24	6 1/8	2 3/8	727.19	DRILLING STRING	DRILL COLLARS	24	6 1/8	2 3/8	727.19	DRILLING STRING	DRILL CO
DATA	155M					45M	DATA	159m					20

BIT RECORD	No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE		No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTA							
	28	MHL	4:15 AM		3 1/2	35	24	-			28	MHL	4:30 AM		11 1/4	40	87							
	Bit Serial No. 900702					Table R.P.M. 65					Bit Serial No. 900702					Table R.P.M. 65								
Jet or Conventional -					Nozzle Size 7/8					Jet or Conventional -					CONVENTIONAL					Nozzle Size 3/4				

PUMP RECORD No. 1 No. 2	1st Tour						2nd Tour					
	HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
	On Line	Circulating					On Line	Circulating				
			1050	14	58	6			675	14	56	5
				14	70	6	4:30	3	100	14	58	

MUD RECORD	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS									
	6:00	215	9.5												
	7:00	197	9.5												

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

DETAIL OF OPERATIONS AND REMARKS	From	To	Hrs.	From	To	Hrs.
	Stop + cut 132' drilling line	12:00	1:15	1 1/4	DRILL 7 7/8" HOLE	8:00
Reg service	1:15	1:30	1/4	R.G. SUR CH-CK BOP'S	12:30	12:30
Run in bit # 28	1:30	4:00	2 1/2	DRILL 7 7/8" HOLE	12:30	4:00
Break circulation + clean @ To Stem	4:00	4:15	1/4			
Pull 7 3/8" hole	4:15	7:15	3			
Change gauges	7:15	7:30				
Pull	7:30	8:00	1/2			

Driller... *M. J. [Signature]* Driller... *B. Hardie*

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

Total Contract Time .....hrs. Total Company Time .....hrs. Toolpusher *Louis [Signature]*

**IMPERIAL OIL LIMITED**

**DAILY DRILLING REPORT No. 41**

Contractor Peter Brander #16 Type Rig 2400 Month Feb Day 27 1967

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

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

From	To	Hole Made	Hole Size	Formation	From	To	Hole Made	Hole Size	Formation								
6666	63	6729	7 7/8		6729	6734	5	7 7/8									
Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.						
4 1/2	65-0		36 39	727.19	508 4.14	4 1/2	66	-	11.25	727.19							
RILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL		DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL					
COLLAR	24	6 1/8	2 3/16	727.19	DRILLING STRING	DRILL COLLARS	COLLAR	24	1 1/2	2 3/16	727.19	DRILLING STRING	DRILL COLLARS				
DATA					159 m	50 m	DATA					159	52				
No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE		No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE	
28	MHL	4:20 am		11 1/4		40	87		28	MHL		9:45	11 3/4	6734	40 m	92	

Bit Serial No. <u>900702</u>	Table R.P.M. <u>65</u>	Bit Serial No. <u>900702</u>	Table R.P.M. <u>65</u>														
Jet or Conventional - <u>CONVENTIONAL</u>	Nozzle Size <u>3 1/16</u>	Jet or Conventional - <u>CONV</u>	Nozzle Size <u>3 1/16</u>														
Kind <u>at</u> <u>6729</u> Ft.	Deg. off	Kind <u>10100</u> at <u>6734</u> Ft.	Deg. off <u>1 1/2</u>														
HOURS					Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURS					Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
On Line	Circulating								On Line	Circulating							
	5				670	14	56	5 3/4	3 3/4					700	14	58	5 1/2
4 3/4	3				700	14	58	6		8					14	50	6

Time	Visc.	Wt.	WL	pH	ADDITIVES — POUNDS		Time	Visc.	Wt.	WL	pH	ADDITIVES — POUNDS	
3:40	180	9.6	6.2	9.0	GEL	1800 #	4:30	37	9.5	6.7	10.0	GEL	2400 #
4:00	150	9.6	6.4	9.0	CAUSTIC	50 #	4:30	125	9.5	6.6	10.5	S. ASH	200 #
4:10	90	9.5	6.6	10.5	PELTAX	50 #						C.M.C.	50 #
3:30	97	9.5	6.8	10.5	Lost 60 Bbls over								

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

	From	To	Hrs.		From	To	Hrs.
DRILL 7 7/8" HOLE	8:00	12:30	4 1/4	DRILL 7 7/8" HOLE	4:00	4:30	1/2
R.G SER CHECK BOP'S	12:30	12:30	1/4	R.G SER CHECK M.H.V. VALVE	4:30	4:45	1/4
DRILL 7 7/8" HOLE	12:30	4:00	3 1/2	DRILL: MIXED PHASE	4:45		
				Viscosity	7:40	3	
				Hole Bit # 28	7:40	8:12	2 1/2
				Change size rubber seal's	10:10	10:40	1/2
				Run in size # 27	10:40	11:00	1/4

Driller: B. Hardie Driller: L. S. Hines

RIG MAINTENANCE: MISCELLANEOUS: CONDITION HOLE: REAMING CLEANING: WORKING PIPE: LOST CIRC.: MNFR. DRILLING LINE IN USE MNFR. OF KELLY HOSE IN USE REEL SERIAL No. HOSE SERIAL No. DID YOU CHECK BLOWOUT PREVENTER EQUIPMENT TODAY YES NO

Time hrs. Toolpusher Louis Approved by \_\_\_\_\_



**IMPERIAL OIL LIMITED**

**DAILY DRILLING REPORT No. 45**

Contractor Peter Brunden #16 Type Rig Well 64B Month Feb Day 26 1957

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

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

From	To	Hole Made	Hole Size	Formation			
6642	6642	0	7 7/8				
Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.		
4 1/2	64	2	40.53	727.19			
DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL		
COLLAR	24	6 1/8	2 1/2	727.19			
DATA					153 m 50 m		
No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled Reamed
27	M46						

From	To	Hole Made	Hole Size	Formation			
6642	6642	0	7 7/8				
Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.		
4 1/2	64	2	40.53	727.19			
DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL		
COLLAR	24	6 1/8	2 1/2	727.19			
DATA					153 m 50 m		
No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled Reamed
27	M46						

Bit Serial No. <u>900724</u>	Table R.P.M.				
Jet or Conventional - <u>CONVENTIONAL</u>	Nozzle Size <u>3 1/16</u>				
Kind at Ft.	Deg. off				
HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
On Line	Circulating				
	7 3/4	700	14		6
7 3/4			14		6

Bit Serial No. <u>900724</u>	Table R.P.M.				
Jet or Conventional - <u>CONVENTIONAL</u>	Nozzle Size <u>2-1/16</u>				
Kind at Ft.	Deg. off				
HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
On Line	Circulating				
	4 3/4	600	14	42	6"

Time	Visc.	Wt.	WL	pH	ADDITIVES — POUNDS
0:00	120	9.3	6.4	9.5	372 ON SUBSTIT. 15,000 #
0:05	94	7.3	6.4	9.0	enc 30 #
	81	9.4	6.2	9.0	Gch 600 #
	105	9.4	6.2	9.6	

Time	Visc.	Wt.	WL	pH	ADDITIVES — POUNDS
4:30	135	9.7	6.6	10	GEL 3000 #
6:30	110	9.6	6.7	10	LIQUID 1500 #
8:30	135	9.1	6.8	10	Miscel. 15 lbs
					2. Dues 10 lbs
					CRUSTIC 50 #
					100 #

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

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

	From	To	Hrs.
Ream & clean hole from 974-6070	8:00	9:45	1 3/4
M.B. Set. Chuck Hydr. Lk	9:45	9:00	1/4
Run in 2 B.M. & 2 STANDS etc	10:00	1:30	3 1/2
30 min @ 90' intervals			
Chase 11' to 8 Ton side to convex	1:30	4:00	2 1/2

	From	To	Hrs.
DRILLING UP MUD	4:00	5:30	1 1/2
Lost circ mix lost circ	5:30		
Misc. AMISE VOLUME			
120 BBLs to formation	8:45	11:30	2 3/4
Hourly Bit 27	3:30	12:00	1/2
Rig set. 4500 B.O.'s	11:00	12:00	1/2

Driller: B. Harche

Driller: [Signature]

RIG MAINTENANCE: \_\_\_\_\_ REAMING CLEANING: \_\_\_\_\_ MFR. DRILLING LINE IN USE \_\_\_\_\_ REEL SERIAL No. \_\_\_\_\_ DID YOU CHECK BLOWOUT PREVENTER EQUIPMENT TODAY \_\_\_\_\_  
 MISCELLANEOUS: \_\_\_\_\_ WORKING PIPE: \_\_\_\_\_ MFR. OF KELLY HOSE IN USE \_\_\_\_\_ HOSE SERIAL No. \_\_\_\_\_ YES \_\_\_\_\_ NO \_\_\_\_\_  
 CONDITION HOLE: \_\_\_\_\_ LOST CIRC.: \_\_\_\_\_  
 hrs. Toolpusher Louis [Signature] Approved by \_\_\_\_\_



102 Bataf River G-72  
 LSD..... SEC..... TWN..... RGE..... W..... Contractor *Peter Pender #16* Type

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m.

DEPTH	1st Tour					2nd Tour				
	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
	4 1/2				727.19	4.14	4 1/2	53-5		4 1/2	727.19	

DRILLING STRING	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL		DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
	COLLAR	27	6 1/8	2 1/8	727.19	DRILLING STRING	DRILL COLLARS	COLLAR	24	6 1/8	2 1/8	727.19	DRILLING STRING	DRILL
	DATA					150	45 M	DATA					142 m	50

BIT RECORD	No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE		No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FO
	27	M4L						Drilled	Reamed	27	M4L						

Bit Serial No. 900724 Table R.P.M. 65  
 Jet or Conventional - Nozzle Size 7/16  
 Bit Serial No. 700724 Table R.P.M.  
 Jet or Conventional - Nozzle Size

SURVEYS	Kind	at	Ft.	Deg. off	HOURS					Pump Press	Length of Pump Stroke	Strokes Per Min.
	On Line	Circulating	On Line	Circulating	On Line	Circulating	On Line	Circulating	On Line	Circulating	On Line	Circulating
	8		8		800	14	53	6	8		825	14

MUD RECORD	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS					Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS							
	1:00	64	9.3	7.4	10	Gel	900#					8:30	71	9.3	8.6	10.5	Gel	5400#					
	3:00	77	9.4	7.6	10	Peter	50#					11:30	60	9.3	7.6	10.0	P.L.T.	50					
	5:00	82	9.3	7.8	9							2:00	89	9.3	7.8	10.0	cmc	50					
	7:00	80	9.7	8.0	9												CAUSTIC	50					

CORING	From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.	From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type
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DETAIL OF OPERATIONS AND REMARKS

Beam + clean out ridges 5694 - 5800  
 From 12:00 To 8:00 Hrs. 8:00  
 Run & clean hole from 5769 - 8:00  
 5799, hole sloughing & clog.  
 To clean same  
 Pull 3 stands, side to condition 9:30  
 Mud

Driller... *W. G. Smith* Driller... *B. Hardie*

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

Total Contract Time .....hrs. Total Company Time .....hrs. Toolpusher *W. Smith*

**IMPERIAL OIL LIMITED**

DAILY DRILLING REPORT No. 44

Contractor Peter Fawcett #16 Type Rig 64B Ocellus Month Feb Day 25 1957

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

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

From	To	Hole Made	Hole Size	Formation	From	To	Hole Made	Hole Size	Formation
	6642		7 7/8		6642		7 7/8		

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4 1/2	56	2	41.65	727.19		4 1/2	56	2	41.65	727.19	

Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL
24	6 1/8	2 1/4	227.19	14.2 m	24	6 1/8	2 1/4	227.19	14.2 m

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE	
27	M4L						Drilled	Reamed

Bit Serial No.	Table R.P.M.	Bit Serial No.	Table R.P.M.
900724		900724	

Kind	at	Ft.	Deg. off	Kind	at	Ft.	Deg. off

HOURS						Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
On Line	Circulating								
8	8	825	14	56	6	850	14	56	6"

Time	Visc.	Wt.	WL	pH	ADDITIVES — POUNDS	
8:30	71	9.3	8.6	10.5	Gel	3400 #
9:30	60	9.3	7.6	10.0	P.L.T.	50 "
10:00	89	9.3	7.8	10.0	C.M.C.	50 "
					CAUSTIC	50 "

From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.	From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.
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From	To	Hrs.	From	To	Hrs.
8:00	9:30	1 1/2	4:00	4:15	1/4
Pump Clean Hole From 5769 - 5799, Hole Sloughing Circ. To Clean Same			Rig Set + Hook Bld +		
Pull 3 Stands, Circ to Condition			Cleaning R.L.L. + BRIDGES		
			@ 5605' to 5717'		
			Pipe Hydrofracturing + F.H.		
			Falling in when work on		
			Pipe 12:00 7 3/4		

Driller: B. Hardie Driller: L. Hardie

RIG MAINTENANCE:	REAMING CLEANING:	MNFR. DRILLING LINE IN USE	REEL SERIAL No.	DID YOU CHECK BLOWOUT PREVENTER EQUIPMENT TODAY
MISCELLANEOUS:	WORKING PIPE:	MNFR. OF KELLY HOSE IN USE	HOSE SERIAL No.	

Toolpusher: Louis Hill Approved by: \_\_\_\_\_

10E Batah River G-72  
 LSD..... SEC..... TWN..... RGE..... W..... Contractor Peter Bowden H.15 Type Rig

1st Tour From: 12:00 Midnight To: 8:00 a.m.											2nd Tour From: 8:00 a.m. To: 4:00 p.m.																															
DEPTH	From	To	Hole Made	Hole Size	Formation						From	To	Hole Made	Hole Size	Formation																											
	5535	6565	70	7 7/8							6565	6634	69	7																												
DRILLING STRING	Size-D.P.	Stands	Singles	Kelly in	Drill. Collar Ft.	Core Bbl. Ft.					Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.																										
	4 1/2	64	5810.2	23.46	723.17	sub 4.14					4 1/2	64-3	5870.2	32.53	727.19	3.8																										
	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL					DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL																										
	COLLAR	24	6 1/8	2 1/8	723.17	DRILLING STRING					COLLAR	24	6 1/8	2 1/8	727.19	DRILLING STRING																										
DATA						150 M					DATA						150 M																									
BIT RECORD	No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE			No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE																								
	26	M4N	2:00 AM		3 3/4		35	30				26	M4N	2:00 AM		11 1/2		32-40	79																							
	Bit Serial No. 847995						Table R.P.M. 65						Bit Serial No. 847995						Table R.P.M.																							
	Jet or Conventional -						Nozzle Size						Jet or Conventional -						Nozzle Size																							
SURVEYS	Kind	at			Ft.			Deg. off			Kind	at			Ft.			Deg.																								
	HOURS		Pump Press		Length of Pump Stroke		Strokes Per Min.		Liner Size		HOURS		Pump Press		Length of Pump Stroke		Strokes Per Min.		Liner Size																							
MUD RECORD	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS					Time	Visc.	Wt.	W L	pH	ADDITIVES — POUND																										
	3:00	91	9.3	7.0	10.5						8:00	64	9.3	7.2	10	Gel 1000 #																										
CORING	From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.	From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type																														
DETAIL OF OPERATIONS AND REMARKS	From						To						Hrs.						From						To																	
	Ream + clean 70' to bottom (36' core rat hole)						12:00						2:00						2:00						DRAG 7 7/8" Hole						8:00						10:15					
	Drill 7 7/8" hole						2:00						4:30						2 1/2						R.G. S.A. check Sep.						10:30						10:30					
	Replace pump drive chain in compound						4:30						6:45						2 1/4						DRAG						10:30						4:00					
Drill						6:45						8:00						1 1/4																								
Driller: <u>Al Smith</u>											Driller: <u>B. Hardee</u>																															

CLASSES OF TIME BREAKDOWN

HEADING UP & DRLG. OUT: TOTCO: CONDITIONING MUD: CASING: LOGGING: RIG MAINTENANCE: REAMING CLEANING: MNFR. DRILLING U  
 DRILLING: FISHING: TRIPPING: W.O.C. W. O. ORDERS: MISCELLANEOUS: WORKING PIPE: MNFR. OF KELLY H  
 REAMING: CIRCULATING: CORING: D.S. TESTING: RIG REPAIRS: CONDITION HOLE: LOST CIRC.:  
 Total Contract Time .....hrs. Total Company Time .....hrs. Toolpusher Louis

**IMPERIAL OIL LIMITED**

**DAILY DRILLING REPORT No. 43**

Contractor Peter Bowden H 15 Type Rig 64B Oilwell Month February Day 24 1967

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

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

From	To	Hole Made	Hole Size	Formation
6565	6634	69	7	

From	To	Hole Made	Hole Size	Formation
6634	6642	8	7 7/8	

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4 1/2	5870.10		3255'	727.19	308 4.14

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4 1/2	64	2	40.52	722.19	

RILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL
COLLAR	24	6 1/8	2 3/16	727.19	DRILLING STRING DRILL COLLARS

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL
COLLAR	24	6 1/8	2 3/16	722.19	DRILLING STRING DRILL COLLARS

DATA 150 M

DATA 150 50 M

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled Reamed
26	M44	2:00 Am		11 1/2	32-40	79	

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled Reamed
26	M44			12 1/2	442	22	107
27	M44						

Bit Serial No. 847995 Table R.P.M. 60

Bit Serial No. 900724 Table R.P.M.

Jet or Conventional - CONV. Nozzle Size 3 1/16

Jet or Conventional - CONV. Nozzle Size 3 1/16

Kind at Ft. Deg. off

Kind 6642 at Total Ft. 2° Deg. off

HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
On Line	Circulating				
7 3/4	7 3/4	825	14	57	6

HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
On Line	Circulating				
1	-	820	14	57	6

Time	Visc.	Wt.	WL	pH	ADDITIVES — POUNDS
7:30	64	9.3	7.2	10	Gel 1800 #
11:00	61	9.3	7.4	10	CASTIC 100 "
2:15	29	9.3	7.6	10.2	P.C.T. 200 "
					909 - A 1/2 GIL

Time	Visc.	Wt.	WL	pH	ADDITIVES — POUNDS
4:30	53	9.2	7.8	10	

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

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

	From	To	Hrs.
DRAG 7 7/8" Hole	8:00	10:15	2 1/4
R.G. SEA CHECK Bsp.	10:15	10:20	1/4
DRAG	10:30	11:00	3 1/2

	From	To	Hrs.
DRILL 7 7/8" Hole	4:00	5:00	1
DR - 7:30 To 7:50	7:30	7:50	1/2
DRAG 7 7/8" Hole Down	7:50	8:00	1/4
HOIST BIT # 26	8:00	8:30	3 1/4
R.G. SEA CHECK Bsp.	8:30	8:45	1/2
Run in of bit # 27	8:45	10:45	2 1/4
Block 4000 with 6000	10:45	11:30	3/4
DRAG	11:30	12:00	1/2

Driller: B. Harder

Driller: L. Harder

RIG MAINTENANCE: MISCELLANEOUS: CONDITION HOLE: REAMING CLEANING: WORKING PIPE: LOST CIRC.: MNFR. DRILLING LINE IN USE: MNFR. OF KELLY HOSE IN USE: REEL SERIAL No.: HOSE SERIAL No.: DID YOU CHECK BLOWOUT PREVENTER EQUIPMENT TODAY: YES NO

Time .....hrs. Toolpusher Louis Noel Approved by .....



**IMPERIAL OIL LIMITED**

DAILY DRILLING REPORT No. 412

Contractor Peter Bowden #15 Type Rig 54B Delmas Month Feb Day 23 1962

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

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

From	To	Hole Made	Hole Size	Formation
6500	6535	35	7 1/2	

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4 1/2	5988.07		32.76	447.24	62.44

DRILL Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL
15	6 3/8	2 1/8	447.54	

DRILL Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL
24	6 3/8	2 1/8	223.17	

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	Reamed
1	Boyle	3:00	2:00	5 1/4	6535	17		

Bit Serial No.	Table R.P.M.
29-16	90

Jet or Conventional	Nozzle Size
Jet	200

Kind	at	Ft.	Deg. off

HOURS					
On Line	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
7 3/4	5 3/4	1200	14	44	6

Time	Visc.	Wt.	WL	pH	ADDITIVES — POUNDS
30	90	9.3	6.6	10.	
30	87	9.3	6.6	10.	
30	84	9.3	6.8	10.	

From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.
6500	6535	35	35	1	

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

From	To	Hrs.
8:00	8:30	1/2

CIRK PRIOR TO CORING 8:00 8:30 1/2

CUTTING TOOL #1 8:30 10:30 2

RIG SEA 10:30 10:40 1/2

SEALED 10:40 2:00 3 1/2

BREAK CORING OFF. HOIST SAME 2:00 4:00 2

HOIST SAME #1 4:00 5:10

RESCUE LINE STAND BY 5:10 6:30

BCL

SHUT DOWN 302' DRILL LINE 6:30 8:10

SEA RIG CHECK 8:10 8:45

FROM 8:45 12:00

Driller S. Hardey

Driller L. S. Hill

RIG MAINTENANCE: MISCELLANEOUS: CONDITION HOLE: REAMING CLEANING: WORKING PIPE: LOST CIRC.: MNFR. DRILLING LINE IN USE: MNFR. OF KELLY HOSE IN USE: REEL SERIAL No.: HOSE SERIAL No. DID YOU CHECK BLOWOUT PREVENTER EQUIPMENT TODAY: YES NO

Time ..... hrs. Toolpusher Lucas Abel Approved by .....

10E Santa River G-72

LSD..... SEC..... TWN..... RGE..... W..... Contractor Pat. Borden #16 Type R.....

1st Tour From: 12:00 Midnight To: 8:00 a.m.										2nd Tour From: 8:00 a.m. To: 4:00 p.m.										
DEPTH		From	To	Hole Made	Hole Size	Formation				From	To	Hole Made	Hole Size	Formation						
		6500	-	0							6500	65								
DRILLING STRING		Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.			Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.					
		4 1/2	62	6387.99	2823	779.64	4.14			4 1/2	62	6387.99	2823	779.64						
DRILL		Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL				DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL					
COLLAR		26	6 1/8	2 3/16	779.64	DRILLING STRING		DRILL COLLARS		COLLAR	26	6 1/8	2 3/16	779.64	DRILLING STRING		DRILL COLLARS			
DATA						150 M		60 M		DATA					150 M		60 M			
BIT RECORD		No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE		No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE		
		25	M4N	10:47 AM	2:30 PM	1 1/2	6500	32	1	120	25	M4N			1 1/2			1	120	
Bit Serial No. 902406 Table R.P.M. 65										Bit Serial No. 902406 Table R.P.M. 65										
Jet or Conventional -										Jet or Conventional -										
Nozzle Size 3 1/16										Nozzle Size 3 1/16										
SURVEYS		Kind	at		Ft.		Deg. off				Kind	at		Ft.		Deg. off				
HOURS		On Line		Circulating		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURS		On Line		Circulating		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	
		8				850	14	58	6			8				875	14	57	6	
MUD RECORD		Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS				Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS				
		1:00	118	9.3	7.4	10.5	Gel 800#					136	9.3	7.6	10.5	10.5	Gel 800#			
		3:00	122	9.2	7.8	10.5	Quick Vis 1/2 gal					140	9.3	7.0	10.5	10.5	Quick Vis 200#			
		5:00	128	9.2	7.8	10.5						144	9.3	6.8	9.5	10.5	Quick Vis 400#			
		7:00	139	9.2	8.0	10.5						145	9.3	6.9	9.5	10.5				
CORING		From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.				From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type				
DETAIL OF OPERATIONS AND REMARKS		From		To		Hrs.				From		To		Hrs.						
		12:00		8:00		8		Ream + clean to bottom - level		8:00		3:00		3		Ream & clean hole from 5875 to		3:00		
								slam stands + ream to single										5975. Ream from 2 to 6		
																		STANDS + clean to 90' level		
																		230 mms. clean 23' to 27'		
																		Case to completion 23' to 27'		
Driller... <u>W. Duvall</u>										Driller... <u>S. Hardie</u>										

CLASSES OF TIME BREAKDOWN

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

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

**IMPERIAL OIL LIMITED**

DAILY DRILLING REPORT No. 41

Contractor Peter Bowden #16 Type Rig Delwell 64 B Month Feb Day 22 1967

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

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

From	To	Hole Made	Hole Size	Formation
	6500	65		

From	To	Hole Made	Hole Size	Formation
	6500		7 7/8	

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4 1/2	62-0 5687.99		28-23	779.62	

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4 1/2	62	2	2823	779.64	

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL
COLLAR	26	6 1/8	2 3/16	779.64	DRILLING STRING DRILL COLLARS

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL
COLLAR	26	6 1/8	2 3/16	779.64	DRILLING STRING DRILL COLLARS

ATA	DATA
156	53 m

ATA	DATA
156	53 m

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE	
23	M42			1 1/4			Drilled	Reamed

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE	
23	M42			1 1/4	6500	32 m	11	100

Bit Serial No.	Table R.P.M.
902406	65

Bit Serial No.	Table R.P.M.
902406	65

Jet or Conventional	Nozzle Size
CONVENTIONAL	3 1/16

Jet or Conventional	Nozzle Size
CONVENTIONAL	3 1/16

Kind	at	Ft.	Deg. off

Kind	at	Ft.	Deg. off
TORCO		6500	

HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
On Line	Circulating	875	24	57	6

HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
On Line	Circulating	850	14	57	6"
		300	14	43	6"

Time	Visc.	Wt.	WL	pH	ADDITIVES — POUNDS	
136	7.3	7.6	10.5	9.0	GEL	400 <sup>m</sup>
140	9.3	7.0	10.5	9.0	CAUSTIC	200 <sup>m</sup>
144	9.3	6.8	9.5	9.0	PEATER	400 <sup>m</sup>
145	9.3	6.4	9.5			

Time	Visc.	Wt.	WL	pH	ADDITIVES — POUNDS	
4 <sup>30</sup>	105	9.3	8.3	11.5		
7 <sup>30</sup>	72	9.3	2	11.5		
9 <sup>00</sup>	85	9.3		11		

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

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

From	To	Hrs.
Ream & clean 4 1/2" from 5875 TO 6000	6000	3 1/2
7972. RAN RINGER 200 G		
STANDS & CORE 4 1/2" 7972 TO 8000		
230 man, core 23' to 80m		
Core to conventional 6 1/2"	8000	3 1/4

From	To	Hrs.
CIRC 5000 TO 6000 TO CORE	6000	5 30
MANE 20 STD DUMP TRIP	5 30	7 30
PIPE TO CORE	7 30	7 00
DROP SURVEY	9 00	7 15
HOIST BIT #22	9 15	12 00

Driller: S Hardie

Driller: J. S. Ancho

RIG MAINTENANCE: REAMING CLEANING: MNFR. DRILLING LINE IN USE REEL SERIAL No. DID YOU CHECK BLOWOUT PREVENTER EQUIPMENT TODAY  
 MISCELLANEOUS: WORKING PIPE: MNFR. OF KELLY HOSE IN USE HOSE SERIAL No. YES NO  
 CONDITION HOLE: LOST CIRC.:

Time ..... hrs. Toolpusher Laura Approved by .....



SATAL River LSD. G-72 SEC 67'N TWN 134'W RGE. W Contractor Peter Bawden Drlg Type Rig

1st Tour From: 12:00 Midnight To: 8:00 a.m.										2nd Tour From: 8:00 a.m. To: 4:00 p.m.											
DEPTH		From	To	Hole Made	Hole Size	Formation				DEPTH		From	To	Hole Made	Hole Size	Formation					
DEPTH		6469	6489	20	7 7/8					DEPTH		6489	6500	11	7 7/8						
DRILLING STRING	Size-D.P.	4 1/2	62-0	Singles	Kelly	Drill. Collar Ft.	Core-Bbl. Ft.			Size-D.P.	4 1/2	62	Singles	Kelly	Drill. Collar Ft.	Core-Bbl. Ft.					
	Stands	5687.99			17.23	779.64	54m			4.14	6687.99			23.33	779.64	4.14					
	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL				DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL						
	COLLAR	26	6 1/4	2 1/2	779.64	DRILLING STRING		DRILL COLLARS		COLLAR	26	6 3/8	2 1/2	779.64	DRILLING STRING		DRILL COLLARS				
DATA	1	6 1/4		4.14	157m		54m		DATA					148m		60m					
BIT RECORD	No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE		No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE				
	24	M40	11:00 AM	3:00 AM	14 3/4	6489	54	124		25	M4N	10:45	2:30	1 1/4	6500	32	11				
Bit Serial No. 903156 Table R.P.M. 65										Bit Serial No. 902406 Table R.P.M. 65											
Jet or Conventional - Conv.										Jet or Conventional - Conv.											
Kind TotCo at 6489 Ft. 3 1/16 Deg. off										Kind TotCo at Ft. Deg. off											
PUMP RECORD	HOURS					Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURS					Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size			
	On Line	Circulating								On Line	Circulating										
	No. 1	3				925	14	56	6	No. 2	6 3/4				900	14	58	6			
No. 2	7 3/4					14		6		on tank					14		40				
MUD RECORD	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS					Time	Visc.	Wt.	W L	pH	ADDITIVES — POUND					
	57	9.2	8.2	12		G-1 900 <sup>cc</sup>					9:00	67	9.0	8.4	10.5		Peter 200 <sup>cc</sup>				
											11:00	75	9.2	9.1	10.5		2.2 300 <sup>cc</sup>				
											1:00	61	9.2	9.0	10.5						
											3:00	65	9.2	8.6	10.5						
CORING	From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.				From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type						
DETAIL OF OPERATIONS AND REMARKS			From	To	Hrs.											From	To				
	Drlg 7 7/8		2:00	2:00	2	Repair bridge 8 stands old bottom										9:00	9:00				
	Circ. on to Trip		2:00	2:30	1/2	Repair chain in drawworks										9:00	9:45				
	Survey		2:30	2:45	1/4	Repair bridge										9:45	10:00				
	Hoist J.B.T # 214		2:45	5:30	2 3/4	Run in 7 stands										10:00	10:15				
	Rig Ser. Check 300 <sup>s</sup>		5:30	5:45	1/4	Clean 50' to bottom										10:15	10:45				
	Run in w/ BIT # 25		5:45	7:00	1 1/4	Pull 7 7/8" hole										10:45	12:00				
	H.T Bridge @ 5899.00 Pick					Circulate to case										12:00	2:30				
	up Kelly & Break Circ		7:30	9:00	1 1/2	20 stand drawing logs.										2:30	4:00				
	Driller: L. J. ...										Driller: W. J. ...										

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

Total Contract Time .....hrs. Total Company Time .....hrs. Toolpusher: L. J. ...

**IMPERIAL OIL LIMITED**

DAILY DRILLING REPORT No. 110

Contractor Peter Bawden Drilling Type Rig 648 Oil Well Month Feb Day 21 1967

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

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

From	To	Hole Made	Hole Size	Formation	From	To	Hole Made	Hole Size	Formation
6489	6500	11	7 1/2					7 7/8	

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
1 1/2	62	6687.99	28.33	779.64	4.14	4 1/2	5077.79		28.33	779.64	

RILL Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL
26	6 3/8	2 1/8	779.64		26	6 1/4	2 3/16	779.64	

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE		No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE	
25	M4N	10:45	2:30	1 1/4	6500	32	11	100'	25	M4N	12:45		1 1/4			11	

Bit Serial No. <u>902405</u>	Table R.P.M. <u>64</u>	Bit Serial No. <u>702926</u>	Table R.P.M.
Conventional -	Nozzle Size <u>2 x 1 1/2</u>	Jet or Conventional -	Nozzle Size <u>2 1/2</u>

Kind	at	Ft.	Deg. off	Kind	at	Ft.	Deg. off

HOURS						Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
On Line	Circulating								
6 3/4	on tank		900	14	58	6			

Time	Visc.	Wt.	WL	pH	ADDITIVES — POUNDS	
1:00	67	9.0	8.4	10.5	Petrex	200 <sup>4</sup>
2:00	75	9.2	9.1	10.5	Zel	800 "
3:00	61	9.2	9.0	10.5		
4:00	65	9.2	8.6	10.5		

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

From	To	Hrs.	From	To	Hrs.
Run bridge balance off bottom	8:00	9:00	1	Run in bit bridge 2 5/8" hole 4" 12" 8	
Run clean in drawdown	9:00	9:45	3/4	circulating pipe to condition	
Run bridge	9:45	10:00	1/4	fluid and made. Hoisted to	
Run in 7 stands	10:00	10:15	1/4	50' 89' max mud circulation	
Run 50' to bottom	10:15	10:45	3/4	hole back and all down long 2	
Drill 7 1/2" hole	10:45	12:00	1 1/2	single down clean cut 70'	
circulate to core	12:00	2:30	2 1/2		
stand drawing logs	2:30	4:00	1 1/2	lost 30' of mud	

Driller: M. J. Smith Driller: B. Hardie

RIG MAINTENANCE: MISCELLANEOUS: CONDITION HOLE: REAMING CLEANING: WORKING PIPE: LOST CIRC: MNFR. DRILLING LINE IN USE: MNFR. OF KELLY HOSE IN USE: REEL SERIAL No.: HOSE SERIAL No.: DID YOU CHECK BLOWOUT PREVENTER EQUIPMENT TODAY: YES NO

Time .....hrs. Toolpusher: L. S. Hicks Approved by .....

I.O.F. SATAH RIVER LSD G-72 SEC. 67°N TWN. 134°N RGE. .... W. .... Contractor Peter Baden Drig Type Ri

1st Tour From: 12:00 Midnight To: 8:00 a.m.											2nd Tour From: 8:00 a.m. To: 4:00 p.m.											
DEPTH	From		To		Hole Made	Hole Size		Formation			From		To		Hole Made	Hole Size		Formation				
	6365		6365		0	7 3/4					6365		6405		40	7 3/4						
DRILLING STRING	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.		Core Bbl. Ft.				Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.		Core Bbl. Ft.					
	4 1/2	61		19.30	779.64						4 1/2	61		597.28	23.94		779.64					
	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL						DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL					
COLLAR	26	6 1/4	2 3/8	779.64	DRILLING STRING		DRILL COLLARS				COLLAR	26	6 1/4	2 3/8	779.64	DRILLING STRING		DRILL C				
DATA	1	6 1/4	2 3/8	14.4	1500						DATA				1500							
BIT RECORD	No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE		No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE					
	24	M4N						190		24	M4N	11:20AM		5		32	40					
	Bit Serial No. <u>903165</u>					Table R.P.M.					Bit Serial No. <u>903165</u>					Table R.P.M.						
Jet or Conventional - <u>Conv.</u>					Nozzle Size <u>1/16</u>					Jet or Conventional -					Nozzle Size							
SURVEYS	Kind		at		Ft.		Deg. off				Kind		at		Ft.		Deg.					
	HOURS				Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size		HOURS				Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size					
	On Line	Circulating								On Line	Circulating											
4 1/4				900	14	58	6		5				800	14	58	6						
7 3/4				on Tanks	14	40	6							14	40	6						
MUD RECORD	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS					Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS						
											9:00	78	89.3	7.6	10.5							
											11:00	59	9.3	8.0	10.5							
											1:00	109	9.4	7.4	10.5							
											3:00	98	9.4	7.2	10.5							
CORING	From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.		From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type									
	6365	6365																				
DETAIL OF OPERATIONS AND REMARKS						From	To	Hrs.						From	To	Hrs.						
	Finish Tripout & lay down Sq								Ream + clean 630' to bottom					8:00	11:00							
	Collar					12:00	12:30	1/2	Drill 7 3/4" hole					11:00	4:00							
	Cut & Slip 89' Drig Line					12:30	1:15	3/4														
	Rig Sen Check BOPS					1:15	1:30	1/4														
	Clean SHaker Tank					1:30	1:45	1/4														
Run in w/ BIT # 24					1:45	3:45	2															
Reaming & cleaning to Btm.					3:45	9:00	4 1/4															
Driller: <u>...</u>										Driller: <u>...</u>												

CLASSES OF TIME BREAKDOWN

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

Total Contract Time .....hrs. Total Company Time .....hrs. Toolpusher ...

**IMPERIAL OIL LIMITED**

DAILY DRILLING REPORT No. 39

Contractor Peter Baden Drilling Type Rig 44E Outwell Month Feb Day 26 1967

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

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

From	To	Hole Made	Hole Size	Formation	
6365	6405	40	7 3/8		
Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core-Bbl. Ft.
4 1/2"	61	5897.28	23.94	779.64	41.14
DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL
COLLAR	26	6 3/8	2 3/8	779.64	DRILLING STRING
DATA					150 M

From	To	Hole Made	Hole Size	Formation	
6405	6469	64	7 7/8		
Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4 1/2"	62.5	5658.51	26.71	779.64	
DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL
COLLAR	26	6 1/8	2 3/8	779.64	DRILLING STRING
DATA					151 M

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE	
4	M4H	11:00AM		5		32	40	790'

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE	
24	M4H	11:00AM		2 3/4		32	154	

Bit Serial No. 903155 Table R.P.M. 55

Bit Serial No. 903156 Table R.P.M. 58

Conventional - Nozzle Size

Jet or Conventional - conv. Nozzle Size 3 1/16

Kind	at	Ft.	Deg. off
HOURS			
On Line	Circulating	Pump Press	Length of Pump Stroke
5		850	14
			14

Kind	at	Ft.	Deg. off
HOURS			
On Line	Circulating	Pump Press	Length of Pump Stroke
		825	14
			14

Time	Visc.	Wt.	WL	pH	ADDITIVES — POUNDS
1:00	78	9.3	7.6	10.5	
2:00	59	9.3	8.0	10.5	
3:00	109	9.4	7.4	10.5	
4:00	93	9.4	7.2	10.5	

Time	Visc.	Wt.	WL	pH	ADDITIVES — POUNDS
	70	9.4	7.9	10.	GEN 3,000 #
	86	9.1	8.3	10.	2519-302 1.62L
	91	9.2	9.3	9.5	2519-302 200 #
	66	9.2	9.9	9.5	2519-302 200 #
	67	9.2	9.0	10.5	

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

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

From	To	Hrs.
8:00	11:00	3
11:00	4:00	5

Prep + clean 600' to bottom  
Drill 7 3/8" hole

From	To	Hrs.
4:00	5:45	1 3/4
5:45	6:00	1/4
6:00	12:00	6

DRG 7 7/8" Hole  
R G SFR  
DRG

Driller. [Signature]

Driller. B. Hardie

RIG MAINTENANCE: MISCELLANEOUS: CONDITION HOLE: REAMING CLEANING: WORKING PIPE: LOST CIRC.: MNFR. DRILLING LINE IN USE: MNFR. OF KELLY HOSE IN USE: REEL SERIAL No.: HOSE SERIAL No.: DID YOU CHECK BLOWOUT PREVENTER EQUIPMENT TODAY: YES NO

Time .....hrs. Toolpusher. [Signature] Approved by .....

**IMPERIAL OIL LIMITED**

102. Satah River LSD. G-72. SEC. 67°N. TWN. 34°12. RGE. W. Contractor Peter Bowden Drlg. Type R

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m.

DEPTH	1st Tour				2nd Tour			
	From	To	Hole Made	Hole Size	From	To	Hole Made	Hole Size
	6260	6332	72.	7 7/8	6332	6365	33	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.
		4 1/2	5505.86		16.50	809.64		4 1/2	5532.04		13.30	809.64

DRILLING STRING	DRILL	Number	OD	ID	Length	INDICATOR	WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR	WEIGHT OF TOTAL	
	COLLAR	26	6 1/8	2 1/16	779.64	DRILLING STRING	DRILL COLLARS		26	6 1/8	2 1/16	779.64	DRILLING STRING	DRILL	
	DATA	1	7 1/16		30.00	150m	56m		1	7 1/16		30.00	162m	65	

BIT RECORD	No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE	No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE
		23	YM	3:30 PM		16		45	147	23	YM	3:30 PM	12:45 PM	19 1/2	63/8	45

Bit Serial No. E65061 Table R.P.M. 60 Jet or Conventional - Conv. Nozzle Size 3-1/16

Kind at Ft. Deg. off Kind at Ft. Deg. off

HOURS PUMP RECORD No. 1 No. 2	HOURS						HOURS								
	On Line		Circulating		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	On Line		Circulating		Pump Press	Length of Pump Stroke	Strokes Per Min.
	7 3/4				900	14	68	6	4 1/2				900	14	83

MUD RECORD	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
	1:10	65	9.3	6.7	10.0	Caustic 100 ml	9:00	61	9.4	7.1	10.5	
	3:00	85	9.3	7.0	11.5		11:00	63	9.3			
	5:00	73	9.3	7.0	11.							
	7:00	75	9.4	7.0	11.							

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

DETAIL OF OPERATIONS AND REMARKS	From	To	Hrs.	From	To	Hrs.
	Rig Sev.			12:00	12:05	1/4
	Drlg 7 7/8 Hole			12:15	8:00	7 3/4

Driller: L. Ludviksson Driller: A. J. Gurr

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: MNFR. OF KELLY

Total Contract Time .....hrs. Total Company Time .....hrs. Toolpusher

**IMPERIAL OIL LIMITED**

DAILY DRILLING REPORT No. 38

Contractor Peter Bawden Drilling Type Rig 648 Oilwell Month Feb. Day 19 1967

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

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

From	To	Hole Made	Hole Size	Formation
332	6365	33	7 7/8	

From	To	Hole Made	Hole Size	Formation
	6365		7 7/8	

D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
1 1/2	5537.04		13.30	809.64	

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4 1/2	5537.06		13.30	809.64	

LL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL
LLAR	26	6 1/8	2 1/8	779.64	DRILLING STRING
DATA	1	7 1/8		30.00	150 M

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL
COLLAR	26	6 1/8	2 1/8	779.64	DRILLING STRING
DATA	1	7 1/8		30.00	150 M

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE	
3	YM	3:00 PM	12:00 AM	19 1/4	6365	45	180	50
4	M4N							

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE	
24	M4N							

Bit Serial No. E66061 Table R.P.M. 60

Bit Serial No. 903156 Table R.P.M.

Conventional - Nozzle Size

Jet or Conventional - Conventional Nozzle Size

Kind	at	Ft.	Deg. off

Kind	at	Ft.	Deg. off

HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
On Line	Circulating				
4 1/2	8	900	14	43	6
		1400	14	40	6

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

Time	Visc.	Wt.	WL	pH	ADDITIVES — POUNDS
5:00	61	9.4	71	10.5	
6:00	63	9.3			

Time	Visc.	Wt.	WL	pH	ADDITIVES — POUNDS
	82	9.5	6.9	10	Gel 1800 #
	95	9.4	6.5	10	mic 6.2%

From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.
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From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.
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From	To	Hrs.	
Drill 7 7/8" Kelly	8:00	10:45	2 3/4
Run down from Kelly into mud	10:45	11:00	1/4
Drill	11:00	12:00	1
Circulate to Trip	12:00	12:45	3/4
Work bit # 23	12:45	2:45	2
Check BOP & change bit	2:45	3:00	1/4
Run in	3:00	4:00	1

From	To	Hrs.	
Run down BIT # 24	4:00	5:15	1 1/4
MT Change & check down	5:15	9:00	3 3/4
Check BOP & change bit	9:00	2:00	3

Driller: Neil Smith

Driller: S. H. ...

RIG MAINTENANCE: REAMING CLEANING: MNFR. DRILLING LINE IN USE REEL SERIAL No. DID YOU CHECK BLOWOUT PREVENTER EQUIPMENT TODAY  
 MISCELLANEOUS: WORKING PIPE: MNFR. OF KELLY HOSE IN USE HOSE SERIAL No. YES NO  
 CONDITION HOLE: LOST CIRC.: MNFR. OF KELLY HOSE IN USE

Time ..... hrs. Toolpusher S. H. ... Approved by .....

W.D.E. Satah River SD. 8-72 SEC. 67<sup>th</sup> TWN. 134<sup>th</sup> RGE. W. Contractor Peter Banden Drly Type R

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m.

DEPTH	1st Tour					2nd Tour				
	From	To	Hole Made	Hole Size	Formation	From	To	Hole Made	Hole Size	Formation
	6152	6185	33	7 3/4		6185	6190	5	7 3/4	

DRILLING STRING	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
		4 1/2	89		2177	809.64		4 1/2	59	5344.58	25.78	809.64

DRILLING STRING	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL		DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
	COLLAR	26	6 1/8	2 3/8	779.64	DRILLING STRING	DRILL COLLARS	COLLAR	26	6 1/8	2 3/8	779.64	DRILLING STRING	DRILL COLLARS
	DATA	1	7 1/8		30.00	154M	56M	DATA	1	7 1/8		30.00	140M	65M

BIT RECORD	No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE		No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE		
									Drilled	Reamed									
	22	YMG	9:30 AM	6:00 PM	9 1/2	6185	45	72			23	YM	7:30 PM		5	30	5		

Bit Serial No. E15395 Table R.P.M. 60 Jet or Conventional - Conv. Nozzle Size Open

Bit Serial No. E6051 Table R.P.M. 60 Jet or Conventional - Nozzle Size

SURVEYS Kind at Ft. Deg. off Kind at 6185 Ft. 3 3/4 Deg. off

PUMP RECORD No. 1 No. 2	HOURS						Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURS								
	On Line		Circulating								On Line		Circulating						
	5										875	14	58	6	2				

MUD RECORD	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS						Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS					
	1:00	105	9.2	5.8	9							7:00	52	9.2								
	3:00	75	9.3	7	9																	

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

DETAIL OF OPERATIONS AND REMARKS	From	To	Hrs.	From	To	Hrs.
	Rig 5000	12:00	12:15	1/4		
Drly 774 Hole	12:15	5:15	5			
Con. Prior To Trip	5:15	5:45	1/2			
Survey	5:45	6:00	1/4			
Hoist 73.T # 22	6:00	7:00	2			
Drill bit # 22 - bit plugged				8:00	9:00	
Clean up floor				9:00	10:00	
Check BOP's				10:00	10:30	
Slip + seat 52' drilling line				10:30	11:30	
Run in bit # 23				11:30	2:00	
Ream + clean bit to bottom				2:00	3:30	
Drill 7 3/4" hole				3:30	4:00	

Driller: L. ... Driller: W. ...

CLASSES OF TIME BREAKDOWN: HEADING UP & DRLG. OUT: DRILLING: REAMING: TOCO: 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: MNFR. OF KELLY

Total Contract Time .....hrs. Total Company Time .....hrs. Toolpusher: ...

**IMPERIAL OIL LIMITED**

**DAILY DRILLING REPORT No. 37**

Contractor Peter Banden Drilling Type Rig 6443 Oilwell Month Feb Day 18 191967

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

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

From	To	Hole Made	Hole Size	Formation				
185	6190	5	7 7/8					
Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.			
4 1/2	59	5344	58	25.78	80964			
Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL				
26	6 1/8	2 3/8	779.64	DRILLING STRING	DRILL COLLARS			
TA	1	7 7/8	30.00	150 M	65 M			
No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE	
3	YM	3:30 PM		5		30	5	50

From	To	Hole Made	Hole Size	Formation				
6190	6260	70	7 7/8					
Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.			
4 1/2	59.0		35.42	30964				
Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL				
26	6 1/8	2 3/8	779.64	DRILLING STRING	DRILL COLLARS			
TA	1	7 7/8	30.00	150 M	65 M			
No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE	
23	YM	3:30 PM		8 1/4		45	35	

Bit Serial No. E 68061 Table R.P.M. 60  
 Jet or Conventional - Conventional Nozzle Size 3 x 1/16

Bit Serial No. E 68061 Table R.P.M. 58  
 Jet or Conventional - Conv. Nozzle Size 3 x 1/16

Kind Jet at 6185 Ft. 3 3/4 Deg. off

Kind Jet at 6185 Ft. 3 3/4 Deg. off

HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
On Line	Circulating				
2		800	14	58	6
	8	on cont.	14	40	6

HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
On Line	Circulating				
	7 3/4	875	14	56	6
	7 3/4		14	42	6

Time	Visc.	Wt.	WL	pH	ADDITIVES — POUNDS
8:00	52	9.2			

Time	Visc.	Wt.	WL	pH	ADDITIVES — POUNDS
57	9.4	7.0	8.0		Gel 2, 700 #
72	9.2	7.3	9.0		CHUSTIC 200 "
62	7.4	6.5	9.0		POLYTON 220 "
75	9.6		10.0		

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

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

	From	To	Hrs.
Bit #22 - bit plugged	8:00	9:00	1
clean up flow	9:00	10:00	1
check BOP's	10:00	10:30	1/2
Blip + cut 52' drilling line	10:30	11:30	1
Run in bit #23	11:30	2:00	2 1/2
Blow + clean bit to bottom	2:00	3:30	1 1/2
Drill 7 7/8" hole	3:30	4:00	1/2

	From	To	Hrs.
DRILL 7 7/8" Hole	4:00	6:00	2
R.G. She. check Hywell	6:00	6:15	1/4
DRILL	6:15	7:00	2 3/4

Driller M. Lewis

Driller B. Hurdie

RIG MAINTENANCE: REAMING CLEANING: MNFR. DRILLING LINE IN USE REEL SERIAL No. DID YOU CHECK BLOWOUT PREVENTER EQUIPMENT TODAY  
 MISCELLANEOUS: WORKING PIPE: MNFR. OF KELLY HOSE IN USE HOSE SERIAL No. YES NO  
 CONDITION HOLE: LOST CIRC.

Time ..... hrs Toolpusher [Signature] Approved by [Signature]





**IMPERIAL OIL LIMITED**

DAILY DRILLING REPORT No. 36

Contractor Peter Barden Drilling Type Rig 6413 Dilwell Month Feb 17 Day 17 1962

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

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

From	To	Hole Made	Hole Size	Formation
113	-	0		

From	To	Hole Made	Hole Size	Formation
6113	6152	39	7 7/8	

D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
54	53		41.65	309.67	

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4 1/2	53		18.25	309.67	

L	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL
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DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL
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DRILLING STRING	DRILL COLLARS
26	1

DRILLING STRING	DRILL COLLARS
26	1

DATA	FOOTAGE
1	30.00

DATA	FOOTAGE
1	30.00

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled Reamed
149							

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled Reamed
22	YHG	8:00		3/3		42	3'

Serial No.	Table R.P.M.
K 15375	

Bit Serial No.	Table R.P.M.
2 23 90	27

Jet or Conventional	Nozzle Size
cut out	

Jet or Conventional	Nozzle Size
cut	C.O.

Kind	at	Ft.	Deg. off

Kind	at	Ft.	Deg. off

On Line	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
			14		6

On Line	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
		895	14	56	6

Time	Visc.	Wt.	WL	pH	ADDITIVES — POUNDS
5:00	20	9.2	7.3	8.0	Oil 200 #
8:00	60	1.2	7.4	9.2	CAUSTIC 100
10:00	75	7.2	6.3	9.0	POLYMER 200

Time	Visc.	Wt.	WL	pH	ADDITIVES — POUNDS
5:00	20	9.2	7.3	8.0	Oil 200 #
8:00	60	1.2	7.4	9.2	CAUSTIC 100
10:00	75	7.2	6.3	9.0	POLYMER 200

From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.
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From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.
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From	To	Hrs.
8:00	8:45	3/4
8:45	9:15	1/2
9:00	10:15	1
10:15	12:30	2 1/4
12:30	2:30	2
2:30	2:40	1/10
2:40	3:00	1/15
3:00	3:15	1/4
3:15	4:00	3/4

From	To	Hrs.
8:00	8:15	1/4
8:15	8:30	1/4
8:30	12:00	3 1/2

Driller: M. Luna

Driller: D. Hordie

RIG MAINTENANCE:	REAMING CLEANING:	MNFR. DRILLING LINE IN USE	REEL SERIAL No.	DID YOU CHECK BLOWOUT PREVENTER EQUIPMENT TODAY
MISCELLANEOUS:	WORKING PIPE:	MNFR. OF KELLY HOSE IN USE	HOSE SERIAL No.	
CONDITION HOLE:	LOST CIRC.:			YES NO

Time: \_\_\_\_\_ hrs. Toolpusher: E. Hordie Approved by: \_\_\_\_\_

I.O.P. SATHA RIVER LSD. G-72 SEC. 67°N. TWN. 134°N. RGE. W. Contractor Peter Bawden #16 Type F

1st Tour From: 12:00 Midnight To: 8:00 a.m.										2nd Tour From: 8:00 a.m. To: 4:00 p.m.											
DEPTH		From	To	Hole Made	Hole Size	Formation				From	To	Hole Made	Hole Size	Formation							
DEPTH		5882	5995	113	7 7/8					5995	6053	58	7 3/8								
DRILLING STRING		Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.			Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core						
DRILLING STRING		4 1/2	57		13.28	809.64				4 1/2		5202.54	41.65	809.64							
DRILLING STRING		DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL		DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL							
DRILLING STRING		COLLAR	26	6 1/8	2 3/4	729.64	DRILLING STRING		COLLAR	26	6 1/8	2 3/4	729.64	DRILLING STRING							
DRILLING STRING		DATA	1	7 1/8		30.00	146m		DATA	1	7 1/8		30.00	146m							
BIT RECORD		No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE		No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE			
BIT RECORD		20	M4N	8:45		11		45m	153		20	M4N	8:45 PM	1:10	153	6053	45	211			
BIT RECORD		Bit Serial No. 902419					Table R.P.M. 60					Bit Serial No. 902419					Table R.P.M.				
BIT RECORD		Jet or Conventional - Conv.					Nozzle Size 3-1/16					Jet or Conventional - conventional					Nozzle Size				
SURVEYS		Kind	at			Ft.			De. off			Kind	at			Ft.			De. off		
SURVEYS													6053								
DASH PUMP RECORD		HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size		HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size							
DASH PUMP RECORD		On Line	Circulating						On Line	Circulating											
DASH PUMP RECORD			7:34	175	14	57	6		4 3/4		300	14	57	6							
DASH PUMP RECORD					14	40	6					14	40	6							
MUD RECORD		Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS				Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS					
MUD RECORD		1:00	49	9.2	8.2	8	Gel 3100				9:00	56	9.2	8.3	11	Gel 2000					
MUD RECORD		3:00	65	9.3	8.0	11	Caustic 200				11:00	45	13	7.6	11	Sands 12					
MUD RECORD		5:00	53	9.2	8.4	10.5	Peltex 200									CMC 25					
MUD RECORD		7:00	62	1.2	8.9	11.5	MICATEX 1500														
CORING		From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.				From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type					
CORING																					
DETAIL OF OPERATIONS AND REMARKS					From	To	Hrs.				From	To	Hrs.								
DETAIL OF OPERATIONS AND REMARKS		Rig Serv.			12:00	12:10	1/4	Drill 7 7/8 hole			8:00	10:00		Rig serv, remain running & check							
DETAIL OF OPERATIONS AND REMARKS		Drlg 7 7/8 Hole			12:10	9:00	7 3/4	killed			10:00	10:15									
DETAIL OF OPERATIONS AND REMARKS		Lost 6" of mud						Drill			10:15	10:30		Concrete to top							
DETAIL OF OPERATIONS AND REMARKS		mud loss CIRC MATERIAL						Surveys			10:30	10:45		Cut & slip 300' drlg line							
DETAIL OF OPERATIONS AND REMARKS		white log.						Hose bit # 20			10:45	11:00		Hose bit # 20							
DETAIL OF OPERATIONS AND REMARKS								Driller: [Signature]			11:00	11:15									
DETAIL OF OPERATIONS AND REMARKS								Driller: [Signature]			11:15	11:30									
DETAIL OF OPERATIONS AND REMARKS											11:30	11:45									
DETAIL OF OPERATIONS AND REMARKS											11:45	12:00									
DETAIL OF OPERATIONS AND REMARKS											12:00	12:15									
DETAIL OF OPERATIONS AND REMARKS											12:15	12:30									
DETAIL OF OPERATIONS AND REMARKS											12:30	12:45									
DETAIL OF OPERATIONS AND REMARKS											12:45	1:00									
DETAIL OF OPERATIONS AND REMARKS											1:00	1:15									
DETAIL OF OPERATIONS AND REMARKS											1:15	1:30									
DETAIL OF OPERATIONS AND REMARKS											1:30	1:45									
DETAIL OF OPERATIONS AND REMARKS											1:45	2:00									
DETAIL OF OPERATIONS AND REMARKS											2:00	2:15									
DETAIL OF OPERATIONS AND REMARKS											2:15	2:30									
DETAIL OF OPERATIONS AND REMARKS											2:30	2:45									
DETAIL OF OPERATIONS AND REMARKS											2:45	3:00									
DETAIL OF OPERATIONS AND REMARKS											3:00	3:15									
DETAIL OF OPERATIONS AND REMARKS											3:15	3:30									
DETAIL OF OPERATIONS AND REMARKS											3:30	3:45									
DETAIL OF OPERATIONS AND REMARKS											3:45	4:00									

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

Total Contract Time \_\_\_\_\_ hrs. Total Company Time \_\_\_\_\_ hrs. Toolpusher [Signature]

**IMPERIAL OIL LIMITED**

**DAILY DRILLING REPORT No. 35**

Contractor Peter Bowden #16 Type Rig 64B Dilwell Month Feb Day 16 1967

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

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

From	To	Hole Made	Hole Size	Formation			
995	6053	58	7 3/8				
D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.		
2		520.54	41.65	809.64			
L	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL		
DRILLING STRING	26	6 1/2	2 1/2	779.64	DRILLING STRING		
DRILL COLLARS	1	7 3/8		70.70	65M		
No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled Reamed
1	M:4M	8:45 PM	1:10	15 3/4	6053	45	211

From	To	Hole Made	Hole Size	Formation			
6053	6060	7	7 7/8				
Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.		
4 1/2	57.5	6232.09	13.27	809.64			
DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL		
DRILLING STRING	26	6 1/2	2 1/2	779.64	DRILLING STRING		
DRILL COLLARS	1	7 3/8		70.70	56M		
No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled Reamed
21	21M	11:20M		2 1/4		25	7

Serial No. 902419 Table R.P.M. 65  
 or Conventional - conventional Nozzle Size 3 1/2  
2 1/2 at 6053 Ft. 1 Deg. off

HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
On Line	Circulating				
1 1/2		300	14	57	6
	<u>on tank</u>		14	40	6

Time	Visc.	Wt.	WL	pH	ADDITIVES — POUNDS	
8:56		92	8.8	11	<u>2</u>	<u>2000 #</u>
9:45		13	9.6	11	<u>Sawdust</u>	<u>12 max</u>
					<u>CMC</u>	<u>25 #</u>

Bit Serial No. 703730 Table R.P.M. 25  
 Jet or Conventional - conventional Nozzle Size 3 1/2  
 Kind 2 1/2 at 6053 Ft. 1 Deg. off

HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
On Line	Circulating				
		850	14	57	6
	<u>2 1/2</u>		14		6

Time	Visc.	Wt.	WL	pH	ADDITIVES — POUNDS	
6:2		7.2	6.7	10.0	<u>2000</u>	<u>2000</u>
					<u>2000 ST</u>	<u>1 SK</u>
					<u>2000</u>	<u>100 #</u>

From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.
From	To	Hrs.			
will 7 3/8 hole	8:00	10:00	2		
of service, remove record & check	10:00	10:15	1/4		
hilly road					
will	10:15	11:00	2 3/4		
partate to trap	11:00	11:15	1/4		
summary	11:15	11:30	1/4		
to & slip 300' drag line	11:30	2:30	1		
lost bit # 20	2:30	4:00	1 1/2		

Driller: Col. Jones

From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.
From	To	Hrs.			
line with trap out	4:00	5:30	1 1/2		
R.E. 200	5:30	5:45	1/4		
other 200's	5:45	6:15	1/4		
R.W. 200/ST #21	6:15	8:00	2 1/4		
300m 20' to ST #	8:00	11:00	3		
D.C. 2 1/8" H.C.	11:00	12:00	1 1/4		

Driller: B. Hardie

RIG MAINTENANCE: \_\_\_\_\_ REAMING CLEANING: \_\_\_\_\_ MNFR. DRILLING LINE IN USE \_\_\_\_\_ REEL SERIAL No. \_\_\_\_\_ DID YOU CHECK BLOWOUT PREVENTER EQUIPMENT TODAY \_\_\_\_\_  
 MISCELLANEOUS: \_\_\_\_\_ WORKING PIPE: \_\_\_\_\_ MNFR. OF KELLY HOSE IN USE \_\_\_\_\_ HOSE SERIAL No. \_\_\_\_\_ YES \_\_\_\_\_ NO \_\_\_\_\_  
 CONDITION HOLE: \_\_\_\_\_ LOST CIRC.: \_\_\_\_\_  
 hrs. \_\_\_\_\_ Toolpusher: J. S. Hicks Approved by: \_\_\_\_\_

IOE. SATEL RIVER LSD. 72 SEC. 67.0N TWN 134.0W RGE. W Contractor Peter Rowden #16 Type F

1st Tour From: 12:00 Midnight To: 8:00 a.m.										2nd Tour From: 8:00 a.m. To: 4:00 p.m.											
<b>DEPTH</b>		From	To	Hole Made	Hole Size	Formation				From	To	Hole Made	Hole Size	Formation							
		5720	5795	75	7 7/8					5795	5842	47	7 7/8								
<b>DRILLING STRING</b>		Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.		Core Bbl. Ft.		Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.		Core Bbl. Ft.					
		4 1/2	54-5 4930.71		17 7/8	809.64				4 1/2	4991.2		41.5	809.54							
<b>DRILLING STRING</b>		DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL			DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL						
		COLLAR	26	6 1/2	2 3/8	779.64	DRILLING STRING		DRILL COLLARS	COLLAR	26	6 1/2	2 3/8	779.64	DRILLING STRING		DRILL				
		DATA	1	7 7/8		30.00	142m		56m	DATA	1	7 7/8		30.0	146.11		65				
<b>BIT RECORD</b>		No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE		No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE			
		19	M4N	2:30				2.5m			19	M4N	3:00 PM	1:00	2:34	584	35	272			
		Bit Serial No. 900286								Table R.P.M. 65		Bit Serial No. 900286								Table R.P.M.	
		Jet or Conventional - CONN								Nozzle Size 3/16		Conventional -								Nozzle Size	
<b>SURVEYS</b>		Kind		at		Ft.		Deg. off		Kind		at		Ft.		Deg. off					
										Water		at 5842		Ft.				41.0 D			
<b>PUSH PUMP RECORD</b>		HOURS		Pump Press		Length of Pump Stroke		Strokes Per Min.		Liner Size		HOURS		Pump Press		Length of Pump Stroke		Strokes Per Min.			
		On Line		Circulating								On Line		Circulating							
		7:34				900		14		58		6		4 3/4		85		14			
		5						14		40		10									
<b>MUD RECORD</b>		Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS				Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS					
		1	58	9.1	7.6	7	Gel 1000#				9:00	49	9.3	8.6	10						
		2	60	9.2	7.6	10	Constia 100#				11:00	52	9.3		9.5						
		5	55	9.2	7.9	10					1:00										
		7	52	9.2	7.6	10					3:00										
<b>CORING</b>		From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.			From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.						
<b>DETAIL OF OPERATIONS AND REMARKS</b>		From		To		Hrs.				From		To		Hrs.							
		Rig Ser.		12:00		12:15		1/2		Drill 7 7/8 hole		9:00		9:15		1/2					
		D.19		12:15		12:00		7 3/4		Run riser		9:15		10:00		1/2					
										Drill		10:00		1:00		1/2					
										Runny & blow holes		1:00		1:15		1/2					
										Hose		1:15		3:30		1/2					
										Check B.P.		3:30		4:00		1/2					
		Driller: <i>[Signature]</i>								Driller: <i>[Signature]</i>											

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

Total Contract Time \_\_\_\_\_ hrs. Total Company Time \_\_\_\_\_ hrs. Toolpusher *[Signature]*

IOE SATEL RIVER LSD. 72 SEC. 67.0N TWN 134.0W RGE. W Contractor Peter Rowden #16 Type F

1st Tour From: 12:00 Midnight To: 8:00 a.m.										2nd Tour From: 8:00 a.m. To: 4:00 p.m.										
DEPTH	From	To	Hole Made	Hole Size	Formation					From	To	Hole Made	Hole Size	Formation						
	5720	5795	75	7 7/8						5795	5842	47	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.					
	4 1/2	54-5 4930.71		17 7/8	809.64					4 1/2	4991.2		41.5	809.54						
	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL					DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL				
COLLAR	26	6 1/2	2 3/8	779.64	DRILLING STRING					COLLAR	26	6 1/2	2 3/8	779.64	DRILLING STRING					
DATA	1	7 7/8		30.00	142.00	5.00				DATA	1	7 7/8		30.00	146.11	6.5				
BIT RECORD	No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE		No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE			
	19	M4N	2:30				2.5	Drilled	Reamed	19	M4N	3:00 PM	1:00	2:34	584	35	292	Drilled	Reamed	
	Bit Serial No. 900286 Table R.P.M. 65										Bit Serial No. 900286 Table R.P.M. 65									
Jet or Conventional - CONN										Nozzle Size 3/16										
SURVEYS	Kind	at				Ft.	Deg. off				Kind	at				Ft.	Deg. off			
	HOURS										HOURS									
	On Line	Circulating		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	On Line	Circulating		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size						
7 3/4			900	14	58	6	4 3/4			85	14	58	6							
MUD RECORD	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS				Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS					
	1	58	9.1	7.6	10	2.0	1000					9:00	49	9.3	8.6	10				
	2	60	9.2	7.6	10	Constic	100					11:00	52	9.3		9.5				
	5	55	9.2	7.9	10					1:00										
	7	52	9.2	7.6	10					3:00										
CORING	From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.				From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.					
DETAIL OF OPERATIONS AND REMARKS																				
Driller: <i>[Signature]</i>										Driller: <i>[Signature]</i>										

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

Total Contract Time \_\_\_\_\_ hrs. Total Company Time \_\_\_\_\_ hrs. Toolpusher *[Signature]*

105 SATAH RIVER G 72

LSD. SEC. TWN. RGE. W. Contractor *Peter Brown R.C. #6* Type R

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

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

DEPTH	1st Tour					2nd Tour				
	From	To	Hole Made	Hole Size	Formation	From	To	Hole Made	Hole Size	Formation
	5600	5610	42'	7 7/8"		5610	5625	15'	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.
	4 1/2"	52.0	4772	2	21.24	808.64	4 1/2"	52.0	4772	2	36.24	809.64
	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL
	COLLAR	36	6 3/8"	5 1/2"	277.64	DRILLING STRING	DRILL COLLARS	26	6 3/8"	5 1/2"	779.6	DRILLING STRING

BIT RECORD	No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE		No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE	
		18		1:09.0	5:30	26	2610	42	Drilled	Reamed	19		2:30.0		1 1/2		35	Drilled

Bit Serial No. *901558* Table R.P.M. *60* Jet or Conventional - *Conventional* Nozzle Size *3/8"*

SURVEYS	Kind	at	Ft.	Deg. off	HOURS					Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size				
	Kind	TOTCO	at	5600	Ft.	On Line	Circulating										

MUD RECORD	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS			
	1:00	49	9.7	7.4	10.5	<i>1000 2500 #</i>			
	4:00	51	9.7	7.6	10.				

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

DETAIL OF OPERATIONS AND REMARKS	From	To	Hrs.	From	To	Hrs.
	<i>R.G. SER</i>	12:00	12:00	0	8:00	9:45
<i>DRLE 7 7/8" N.L.</i>	12:00	1:00	1 3/4	9:45	9:15	0 30
<i>SURVEY 2 2600</i>	1:00	1:00	0	9:15	11:00	1 45
<i>HOST FOR N/L</i>	1:00	8:00	2 3/4	11:00	1:00	0
				1:00	2:00	1 00
				2:00	2:30	0 30
				2:30	7:00	4 30

Driller: *B. H. Hurd*

Driller: *Hudvickson*

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

Total Contract Time ..... hrs. Total Company Time ..... hrs. Toolpusher: *L. H. Hurd*





1.06 SATAN RIVER 3-12

IMPERIAL OIL LIMITED

LSD..... SEC..... TWN..... RGE..... W..... Contractor *Imperial Oil Limited* Type Rig

1st Tour From: 12:00 Midnight To: 8:00 a.m.										2nd Tour From: 8:00 a.m. To: 4:00 p.m.											
<b>DEPTH</b>		From	To	Hole Made	Hole Size	Formation				From	To	Hole Made	Hole Size	Formation							
		5312	5402	90	7 7/8					5402	5479	77	7 7/8								
<b>DRILLING STRING</b>		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	5-5		23.50	307.64					4 1/2	5-5		41.65	319.64						
<b>DRILL</b>		Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL				Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL							
<b>COLLAR</b>		26	6 1/8	2 1/2	119.67	DRILLING STRING		DRILL COLLARS			26	6 1/8	2 1/2	119.67	DRILLING STRING		DRILL COLLARS				
<b>DATA</b>		1	7 1/2		3000	138.01		56.07			1	7 1/2		3000	140.00		56.00				
<b>BIT RECORD</b>		No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE		No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE			
		18	1 1/2	1:20		6.14		1000	7.0		18	1 1/2	12:00 AM		1.20		45	11.7			
Bit Serial No. <i>701358</i> Table R.P.M. <i>60</i>										Bit Serial No. <i>701358</i> Table R.P.M. <i>60</i>											
Jet or Conventional - <i>Conventional</i> Nozzle Size <i>2 1/2</i>										Jet or Conventional - <i>Conventional</i> Nozzle Size <i>2 1/2</i>											
<b>SURVEYS</b>		Kind	at			Ft.		Deg. off			Kind	at			Ft.		Deg. off				
<b>CASH PUMP RECORD</b>		HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size		HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size							
		On Line	Circulating																		
							6.24 6.2 6							7.44 9.00 14 62 6							
<b>MUD RECORD</b>		Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS				Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS					
		1:00	73	7.0	7.5	7.0	2.1 2000 4				9:00	62	9.0	7.0	8	6.51	7.0				
		6:00	61	6.3	7.4	8.0					11:00	61	7.4	7.4	8	Patex 150					
											11:00	90	4.4	7.0	10.5	Constit					
											3:00	80	9.5	6.8	10.5						
<b>CORING</b>		From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.				From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.					
<b>DETAIL OF OPERATIONS AND REMARKS</b>						From	To	Hrs.						From	To	Hrs.					
						12:00	12:00	0		Rig Set				12:00	12:00	0		Rig Set			
						12:00	12:00	0		Long 7 7/8 Hole				12:00	12:00	0		Long 7 7/8 Hole			
						12:00	12:00	0		W.C.O. Stand Pipe				12:00	12:00	0		W.C.O. Stand Pipe			
						1:00	2:00	1 1/2		Long 7 7/8 Hole				1:00	2:00	1 1/2		Long 7 7/8 Hole			
						2:00	2:00	0						2:00	2:00	0					
						3:00	3:00	0						3:00	3:00	0					
Driller: <i>L. H. ...</i>										Driller: <i>L. H. ...</i>											

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

Total Contract Time .....hrs. Total Company Time .....hrs. Toolpusher: *L. H. ...*

**IMPERIAL OIL LIMITED**

**DAILY DRILLING REPORT No. 32**

Contractor Imperial Oil Ltd. Type Rig 2 1/2" x 1 1/2" A.C. Month Feb 62 Day 13 1962

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

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

From	To	Hole Made	Hole Size	Formation
5402	5479	77	7 7/8	

From	To	Hole Made	Hole Size	Formation
5479	5565	86	7 7/8	

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4 1/2"	5		4 1/2"	909.64	

Size-D.P.	Stands	Singles	Kelly m	Drill. Collar Ft.	Core Bbl. Ft.
4 1/2"	5		74.35	809.64	

DRILL Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL
26	6 1/2"	2 7/8"	77.64	

DRILL Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL
26	6 1/2"	2 7/8"	77.64	

COLLAR	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL
ATA	1	7 7/8"		300	140M

COLLAR	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL
DATA	1	7 7/8"		300	142M

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled Reamed
4	CPN	1:30 AM		1:42		45	167

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled Reamed
18	M4N	1:30 AM		2:14		45	253

Bit Serial No. 901358	Table R.P.M. 55
Jet or Conventional - Con v	Nozzle Size 10EN

Bit Serial No. 901358	Table R.P.M. 55
Jet or Conventional - cut out	Nozzle Size

Kind at Ft.	Deg. off
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Kind at Ft.	Deg. off
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HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
On Line	Circulating				
7 1/4		900	14	62	4

HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
On Line	Circulating				
7 3/4		900	14	62	5

Time	Visc.	Wt.	WL	pH	ADDITIVES — POUNDS
1:00	62	9.4	7.0	8	651 700
1:00	61	9.4	7.4	8	Paltex 150
1:00	90	9.4	7.0	10.5	Constic 250
1:00	80	9.5	6.8	10.5	

Time	Visc.	Wt.	WL	pH	ADDITIVES — POUNDS
5:00	81	9.4	6.8	10.5	300
7:00	45	9.4	7.5	10.5	
9:20	45	9.3			
11:00	48	9.3	7.8	10	

From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.
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From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.
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Rig Ser.	From	To	Hrs.
Drill 7 7/8 Hole	1:15	1:45	5 1/2
Make Stand Pipe	1:45	2:15	3
Drill 7 7/8 Hole	2:15	4:00	1 3/4

Rig Ser.	From	To	Hrs.
Drill 7 7/8 Hole	4:00	4:15	1/4
Drill 7 7/8 Hole	4:15	12:00	7 3/4

Driller: L. [Signature]

Driller: M.L. [Signature]

RIG MAINTENANCE: MISCELLANEOUS: CONDITION HOLE: REAMING CLEANING: WORKING PIPE: LOST CIRC.: MNFR. DRILLING LINE IN USE: MNFR. OF KELLY HOSE IN USE: REEL SERIAL No.: HOSE SERIAL No.: DID YOU CHECK BLOWOUT PREVENTER EQUIPMENT TODAY: YES NO

Time \_\_\_\_\_ hrs. Toolpusher: [Signature] Approved by: \_\_\_\_\_

10.E SATHA RIVER G-72

LSD..... SEC..... TWN..... RGE..... W..... Contractor *Patel Shree R #16* Type R

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

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

DEPTH	From		To		Hole Made	Hole Size	Formation	
		5102	5190	88	7 1/8			

DRILLING STRING	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
	4 1/2	48	48	22	89	809.64

DRILLING STRING	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
	COLLAR	26	6 1/8	2 3/16	177.64	DRILLING STRING	DRILL COLLARS
	DATA	1	6 3/16		38.03	142.7	26.0

BIT RECORD	No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE	
	17	761		5:00 PM		14.8	40.7	190	

Bit Serial No.	701361	Table R.P.M.	60
Jet or Conventional	Conventional	Nozzle Size	3/8"

Kind	at	Ft.	Deg. off
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PUMP RECORD	HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
	On Line	Circulating				
	7:14		875	14	60	6

MUD RECORD	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
	8:30	9.3	6.8	10.5		GEL 5600 #
8:2	9.2	6.4	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	12:00
DRIG 7 1/8" Hole	12:00	8:00	7 3/4

Driller *B. Handai*

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

Total Contract Time .....hrs. Total Company Time .....hrs. Toolpusher *C. S. Patel*

**IMPERIAL OIL LIMITED**

DAILY DRILLING REPORT No. 31

Contractor Peter James P.C. #16 Type Rig Oilwell Land Month FEB Day 12 19 67

2nd Tour From: 8:00 a.m. To: 4:00 p.m.								
From	To	Hole Made	Hole Size	Formation				
190	5295	95	7 7/8					
D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.			
49	49	26	29	809	64			
LL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL			
LLAR	26	4 1/4	2 1/8	779	64			
A	1	6 3/8		30.00	142 M 56 M			
No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE	
7	M4N	5:00 PM		22 1/2	45m	223	Drilled	Reamed

3rd Tour From: 4:00 p.m. To: 12:00 p.m.								
From	To	Hole Made	Hole Size	Formation				
5285	5312	27	7 7/8					
Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.			
42	49	44	23	809	64			
DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL			
COLLAR	26	5 1/2	2 1/8	779	64			
DATA	1	7 1/2		30.00	142 M 65 M			
No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE	
17	M4N	5:00 PM	6:30	25	5312	45	Drilled	Reamed
18	M4N							

Serial No. <u>901361</u>	Table R.P.M. <u>65</u>				
or Conventional - <u>Conventional</u>	Nozzle Size <u>open</u>				
at <u></u> Ft.	Dag off				
HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
On Line	Circulating				
7 3/4		175	14	62	6

Bit Serial No. <u>901353 - 901353</u>	Table R.P.M. <u>65</u>				
Jet or Conventional - <u>cut cut</u>	Nozzle Size				
Kind <u>Water</u> at <u>5312</u> Ft.	<u>3 3/4</u> Deg. off				
HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
On Line	Circulating				
down		875	14	62	6

Time	Visc.	Wt.	WL	pH	ADDITIVES — POUNDS
00	70	9.1	6.7	10.5	
00	72	9.2	6.7	10.0	
00	65	9.3	6.8	10.0	
00	95	9.3		9.5	

Time	Visc.	Wt.	WL	pH	ADDITIVES — POUNDS
6:00	70	9.4	7.0	9.5	

From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.
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From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.
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From	To	Hrs.	
RIG SER	9:00	9:15	1
DRIG 7 7/8 Hole	9:54	10:00	7 3/4

From	To	Hrs.	
Drill 7 7/8 hole	4:00	6:30	2 1/2
Swam	6:30	6:45	1/4
Went bit # 17	6:45	3:45	2
Check BOP's	8:45	9:15	1/2
Stop + start 44 drilling line	9:15	10:15	1
Run in bit # 18	10:15	12:00	1 3/4

Driller: [Signature]

Driller: [Signature]

RIG MAINTENANCE: MISCELLANEOUS: CONDITION HOLE: REAMING CLEANING: WORKING PIPE: LOST CIRC: MNFR. DRILLING LINE IN USE: MNFR. OF KELLY HOSE IN USE: REEL SERIAL No.: HOSE SERIAL No.: DID YOU CHECK BLOWOUT PREVENTER EQUIPMENT TODAY: YES NO

Time: \_\_\_\_\_ hrs. Toolpusher: [Signature] Approved by: \_\_\_\_\_

102 SAT. 1 R. V. 6 72

LSD. SEC. TWN. RGE. W. Contractor *Peter Hansen B.C. #16* Type Rig

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

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

DEPTH	1st Tour					2nd Tour				
	From	To	Hole Made	Hole Size	Formation	From	To	Hole Made	Hole Size	Formation
	4907	4994	67	7 1/8		4974	5002	28	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.
	4 1/2	4.47	28		168	807.64	4 1/2	4.6	1175.16	1721	909.64	
	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL
	COLLAR	26	6 1/8	2 1/2	779	DRILLING STRING	DRILL COLLARS	26	6 1/8	2 1/2	772.64	DRILLING STRING

BIT RECORD	No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE	
	16	rand	3:00 PM		3:12		40	173	Drilled

Bit Serial No. *237602* Table R.P.M. *52* Bit Serial No. *237602* Table R.P.M. *52*  
 Jet or Conventional - *Conv.* Nozzle Size *2 1/2* Jet or Conventional - *Conv.* Nozzle Size *2 1/2*

SURVEYS Kind *Toto* at *5002* Ft. *40* Deg. off

PUMP RECORD	HOURS				Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
	On Line	Circulating						
	No. 1							
No. 2	<i>7 1/2</i>				14	<i>62</i>	6	

MUD RECORD	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	
	12:00	90	9.6	2.1	9.0	5.2	3600
	3:00	90	9.9	6.3	8	5.2	100

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

DETAIL OF OPERATIONS AND REMARKS	From	To	Hrs.	
	<i>DRIG 7 1/8 Hole</i>	12:00	3:15	3 1/4
	<i>DRIG</i>	3:15	3:50	3/4
	<i>DRIG</i>	3:50	4:20	30

Driller *B. H. Hinkle* Driller *Hayden*

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

Total Contract Time .....hrs. Total Company Time .....hrs. Toolpusher *A. J. Hinkle*

**IMPERIAL OIL LIMITED**

DAILY DRILLING REPORT No. 30

Contractor Peter Larson Rig #16 Type Rig Oil Well Month Feb Day 11 19 67

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

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

From	To	Hole Made	Hole Size	Formation				
1974	5002	28	7 3/4					
Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.			
4 1/2	1175.16		1721	909.64				
Drill	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL			
DRILLAR	26	6 1/8	2 1/2	779.64	DRILLING STRING			
DATA	1	7 1/2		50.00	DRILL COLLARS			
No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	Reamed
6	744A	3:00 PM	10:30 AM	17	5002	45 M	201	

From	To	Hole Made	Hole Size	Formation				
5002	5102	100	7 3/4					
Size-D.P.	Stands	Singles	Kelly in	Drill. Collar Ft.	Core Bbl. Ft.			
4 1/2	4268.75		26.01	909.64				
Drill	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL			
COLLAR	26	6 1/8	2 1/2	779.64	DRILLING STRING			
DATA	1	7 1/2		30.16	DRILL COLLARS			
No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	Reamed
17	744A	5:00 PM		7		45	100	

Bit Serial No. 337632 Table R.P.M. 62  
 Jet or Conventional - Open Nozzle Size OPEN

Bit Serial No. 71261 Table R.P.M. 65  
 Jet or Conventional - cut out Nozzle Size cut out

Kind Tetes at 5002 Ft. 40 Deg. off

On Line	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
		800	14	62	6

Kind down at  Ft.  Deg. off

On Line	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
		450	14	62	6

Time	Visc.	Wt.	WL	pH	ADDITIVES — POUNDS
1:00	125	9.2	6.4	9.0	Caustic 100#
1:00	85	9.3	6.4	9.0	

Time	Visc.	Wt.	WL	pH	ADDITIVES — POUNDS
5:00	115	9.1	6.6	10	Caustic 200#
7:00	63	9.1	6.8	8	P. Iron 400#
9:00	72	9.2	6.6	7	Soda Ash 100#
11:00	70	9.2	6.8	10	CMC 50#

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

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

Rig Ser.	From	To	Hrs.
Wdg	7:15	10:15	2 1/2
Circ. Prior To Trip	10:45	11:10	1/2
Survey	11:30	11:30	1/4
Hoist Bit # 16	11:30	2:00	2 1/2
Change Bit & Check BOPs	2:00	2:30	1/2
Run in w/ bit # 17	2:30	4:00	1 1/2

From	To	Hrs.	
Run in bit # 17	4:00	4:45	3/4
Prep service	4:45	5:10	1/4
Send 7 3/4 hole	5:10	12:00	7

Driller Hand Anderson

Driller Art Smith

RIG MAINTENANCE: MISCELLANEOUS: CONDITION HOLE: REAMING CLEANING: WORKING PIPE: LOST CIRC.: MFR. DRILLING LINE IN USE: MFR. OF KELLY HOSE IN USE: REEL SERIAL No.: HOSE SERIAL No.: DID YOU CHECK BLOWOUT PREVENTER EQUIPMENT TODAY: YES NO

Time            hrs. Toolpusher L. J. Bucke Approved by

LSD..... SEC..... TWN..... RGE..... W..... Contractor *PETERSON DRILLING* Type R

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m.

DEPTH	1st Tour					2nd Tour				
	From	To	Hole Made	Hole Size	Formation	From	To	Hole Made	Hole Size	Formation
	4750	4801	51	7 7/8		4801	4810	9	7 7/8	

DRILLING STRING	1st Tour						2nd Tour					
	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
	4 1/2	43-5 3964.15		27.17	809.54		4 1/2	43-0 3964.15		36.07	909.64	

DRILLING STRING	INDICATOR WEIGHT OF TOTAL													
	DRILL	Number	OD	ID	Length	INDICATOR		WEIGHT OF TOTAL				DRILL COLLARS		
	COLLAR	DATA												
	26	1	6 1/8	2 3/16	779.64									
			7 1/8		30.00	130.00				56.00				

BIT RECORD	FOOTAGE																
	No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE		No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE
	15	M.A.N.	12:30	7:30	22:14	780	20.00	328		16	M.A.N.	3:00	3:00	1	20.00	9	

Bit Serial No. 902022 Table R.P.M. 62  
 Jet or Conventional - *cut out* Nozzle Size *1 1/2*

Kind *Trace* at 4801 Ft. Deg. off 4 1/4

HOURS	1st Tour					2nd Tour					
	On Line	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	On Line	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.
No. 1				14		6					
No. 2	7		800	14	62	6	1		400	14	62

MUD RECORD	1st Tour						2nd Tour					
	Time	Visc.	Wt.	W L	pH	ADDITIVES - POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES - POUNDS
	72	9.2	7.8	7.5		F.S. 100 6.50						
	68	9.2	7.9	9.0		2.00 4.50						
	112	9.2		7.0		6.2 3200						

CORING	1st Tour						2nd Tour					
	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	1st Tour			2nd Tour		
	From	To	Hrs.	From	To	Hrs.
	9:00	12:00	3	8:00	9:30	1.5
	10:00	11:00	1	9:30	10:15	0.45
	11:00	12:00	1	10:15	11:30	1.15
	12:00	1:00	1	11:30	1:00	0.30
	1:00	2:00	1	1:00	2:00	1
	2:00	3:00	1	2:00	3:00	1
	3:00	4:00	1	3:00	4:00	1

Driller: *B. Hurd* Driller: *L. Anderson*

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

Total Contract Time ..... hrs. Total Company Time ..... hrs. Toolpusher: *J. H.*

**IMPERIAL OIL LIMITED**

DAILY DRILLING REPORT No. 27

Contractor Imperial Oil Limited Type Rig 2 1/2" NEAT 4.5 Month F.S. Day 0 1967

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

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

From	To	Hole Made	Hole Size	Formation			
4810	4810	9	7 7/8				
D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.		
43-0							
3964.19			36.07	909.64			
L	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL		
LAR	26	6 1/8	2 3/16	779.64	DRILLING STRING		
A	1	7 13/16		30.00	133M 56M		
o.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE
	M4M	3:00 PM		1	20M	9	

From	To	Hole Made	Hole Size	Formation			
4810	4907	97	7 7/8				
Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.		
4 1/2	44 3/4	4056.06	41.65	809.64			
DRILL	Number	CD	ID	Length	INDICATOR WEIGHT OF TOTAL		
COLLAR	26	6 1/8	2 3/16	779.64	DRILLING STRING		
DATA	1	7 13/16		30.00	140M 65M		
No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE
15	M4M	3:00 PM		7 3/4	35-40	105	

Serial No. 937602 Table R.P.M. 60  
 or Conventional - cut out Nozzle Size OPEN

Bit Serial No. 837602 Table R.P.M. 60-80  
 Jet or Conventional - cut out Nozzle Size

Total at 4801 Ft. 4 1/4 Deg. off

On Line	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
1		400	14	62	6

Kind at Ft. Deg. off

On Line	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
6 3/4		400	14	62	6

Time	Visc.	Wt.	WL	pH	ADDITIVES — POUNDS
5:00	80	9.2	7.6	8	Polter 700#
7:00	80	9.2	7.6	8.5	Caustic 100#
9:00	75	9.2	8.2	7	Sawdust 25 lbs
11:00	65	9.2	8.2	7	Sul 1800#

Time	Visc.	Wt.	WL	pH	ADDITIVES — POUNDS
5:00	80	9.2	7.6	8	Polter 700#
7:00	80	9.2	7.6	8.5	Caustic 100#
9:00	75	9.2	8.2	7	Sawdust 25 lbs
11:00	65	9.2	8.2	7	Sul 1800#

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

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

	From	To	Hrs.
Wish Hoisting w/IT 5 5	8:00	9:30	1 1/2
Check BOPS.	9:30	10:15	3/4
Run in BIT # 16	10:15	11:30	1 1/4
Low WATER Lines Installed	11:30	1:00	1 1/2
new Circ. Pump.			
Wish in w/ BIT 16	1:00	2:00	1
Break Circ. Clean Fill.	2:00	3:00	1
Run 7 7/8 Hole.	3:00	4:00	1

	From	To	Hrs.
Rig service	4:00	4:15	1/4
Work on pump	4:15	5:15	1
Drill 7 7/8 Hole	5:15	12:00	6 3/4

Driller L. England

Driller L. England

RIG MAINTENANCE: REAMING CLEANING: MNFR. DRILLING LINE IN USE REEL SERIAL No.  
 MISCELLANEOUS: WORKING PIPE: MNFR. OF KELLY HOSE IN USE HOSE SERIAL No.  
 CONDITION HOLE: LOST CIRC. DID YOU CHECK BLOWOUT PREVENTER EQUIPMENT TODAY  
 YES NO

Time ..... hrs. Toolpusher L. J. Hicks Approved by .....





**IMPERIAL OIL LIMITED**

DAILY DRILLING REPORT No. 82

Contractor Peter S. ... Type Rig 2 1/2" x 6 1/2" R. Month Feb Day 7 19 57

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

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

From	To	Hole Made	Hole Size	Formation		
4693	4740	115	7 7/8			
Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.		
4 1/2			809.64			
Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL		
26	6 1/2	2 1/2	779.64			
17	7 1/2		32.00	12.5 M 24.5 M		
Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled Reamed
M4W	12:45 am		14 3/4	35	215	

From	To	Hole Made	Hole Size	Formation			
4693	4740	57	7 7/8				
Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.			
4 1/2			809.64				
Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL			
26	6 1/2	2 1/2	779.64				
17	7 1/2		32.00	12.5 M 65 M			
No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled Reamed
15	M4W 12 1/2 AM			19 1/2	3.5	272	

Serial No. 902425 Table R.P.M. 60  
 Jet or Conventional - cut-cut Nozzle Size 2 1/2"

Bit Serial No. 70335 Table R.P.M. 65  
 Jet or Conventional - cut-cut Nozzle Size 2 1/2"

Line	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
4 1/2	7 3/4	700	14	62	6

Line	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
4 1/2	down	700	14	62	6

Time	Visc.	Wt.	WL	pH	ADDITIVES - POUNDS
0:55	9.1	8.4	9.5		
1:55	9.1	8.2	9.5		
2:48	9.2	8	8.5		
3:46	9.2	8	8.0		

Time	Visc.	Wt.	WL	pH	ADDITIVES - POUNDS
5:00	8.0	9.1	7.8	8	2 1/2" 4600+
7:00	8.5	9.2	8.5	9	2 1/2" 2000+
9:00	7.5	9.2	9	9	2 1/2" 4000+
11:00	8.2	9.2	7.2	10	3 1/2" 2000+ Remnant 15000

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

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

From	To	Hrs.
8:20	8:55	1/4
8:55	4:00	7 3/4

Rig down  
 Change cover and on pulley  
 drill 7 1/2 hole  
 Run mud to be in connection  
 drill  
 Lost 1 1/2 mud to formation  
 mud + L.C.M.  
 drill

Driller Alfred ...

Driller Alfred ...

RIG MAINTENANCE: MISCELLANEOUS: CONDITION HOLE: REAMING CLEANING: WORKING PIPE: LOST CIRC: MNFR. DRILLING LINE IN USE: MNFR. OF KELLY HOSE IN USE: REEL SERIAL No.: HOSE SERIAL No.: DID YOU CHECK BLOWOUT PREVENTER EQUIPMENT TODAY: YES NO

hrs Toolpusher ... Answer by ...

LSD..... SEC..... TWN..... RGE..... W..... Contractor..... Type.....

	1st Tour From: 12:00 Midnight To: 8:00 a.m.						2nd Tour From: 8:00 a.m. To: 4:00 p.m.						
<b>DEPTH</b>	From	To	Hole Made	Hole Size	Formation		From	To	Hole Made	Hole Size	Formation		
	4260	4362	105	7 1/8			4365	4479	113	7 7/8			
<b>DRILLING STRING</b>	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	
	4 1/2	3		18 20	809.64		4 1/2	40		40.70	809.64		
	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
	COLLAR	26	6 1/8	2 3/4	779.24	DRILLING STRING	DRILL COLLARS	COLLAR	26	6 1/8	2 3/4	779.24	DRILLING STRING
DATA	1	7 7/8	2 3/4	30.00	125 m	5	DATA	1	7 7/8	2 3/4	30.00	125 m	5
<b>BIT RECORD</b>	No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE					
	13	3 1/2" ID	2:00 PM		12 3/4	12	170	Drilled	Reamed				
	Bit Serial No. 347769		Table R.P.M. 60		Jet or Conventional -		Nozzle Size 3 1/16						
<b>SURVEYS</b>	Kind	at		Ft.		Deg. off							
	HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size							
	On Line	Circulating	700	14	42	6							
<b>MUD RECORD</b>	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS							
	1:00	72	9.0	6.4	11.0	Gel 1200							
	4:00	78	9.0	6.2	11.0	Caustic 100							
<b>CORING</b>	From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.							
<b>DETAIL OF OPERATIONS AND REMARKS</b>	From	To	Hrs.										
	2 to SEA surface	12:00	2:00	14									
	DRILL 7 7/8 Hole	12:00	0	124									
Driller: <i>B. H. ...</i>						Driller: <i>W. ...</i>							

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

Total Contract Time ..... hrs. Total Company Time ..... hrs. Toolpusher: *L. S. ...*

**IMPERIAL OIL LIMITED**

**DAILY DRILLING REPORT** No. 21

Contractor Imperial Oil Ltd Type Rig 6.1.5 Month 10 Day 19 1951

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

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

From	To	Hole Made	Hole Size	Formation
11365	4479	113	7 7/8	

From	To	Hole Made	Hole Size	Formation
4470	-	0		

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4 1/2	40			40.70	909.64

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4 1/2	40			40.70	909.64

DRILL Number	OD	ID	Length	INDICATOR	WEIGHT OF TOTAL
26	6 1/4	2 3/8	779.64	DRILLING STRING	DRILL COLLARS

DRILL Number	OD	ID	Length	INDICATOR	WEIGHT OF TOTAL
26	6 1/4	2 3/8	779.64	DRILLING STRING	DRILL COLLARS

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled Reamed
14	M4N	2:00 PM	2:12	2:00	35	289	

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled Reamed
15	M4N						

Bit Serial No.	Table R.P.M.
847969	64

Bit Serial No.	Table R.P.M.
902725	

Kind	at	Ft.	Deg. off

Kind	at	Ft.	Deg. off

HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min	Liner Size
On Line	Circulating	700	14		6

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

Time	Visc.	Wt.	W/L	pH	ADDITIVES — POUNDS
9:00	135	9.1	6.2	9.0	Gel 1200
11:00	125	9.1	6.2	11.0	Caustic 100
1:00	95	9.1	7.4	11.0	FiberTex 2 st
3:00	80	9.7	7.4	11.0	

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

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

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

From	To	Hrs.	
Rig Service	8:00	8:15	1/4
Drly 7 7/8 Hole	8:15	8:40	

From	To	Hrs.	
Remove rig down after Kelly	4:00	4:15	1/4
Start bit # 14	4:15	6:30	2 1/4
Check BOP's	6:30	6:45	1/4
Cut + slip 88 drilling line	6:45	7:45	1
Run in bit # 15	7:45	9:30	1 3/4
Bit plugged - hold hole	9:30	11:30	2
Clean 30' to bottom	11:30	12:00	1/2

Driller [Signature]

Driller [Signature]

RIG MAINTENANCE: MISCELLANEOUS: CONDITION HOLE	REAMING CLEANING: WORKING PIPE: LOST CIRC.	MNFR. DRILLING LINE IN USE	MNFR. OF KELLY HOSE IN USE	REEL SERIAL No.	HOSE SERIAL No.	DID YOU CHECK BLOWOUT PREVENTER EQUIPMENT TODAY
						YES NO

Time      hrs. Toolpusher [Signature] Approved by

10E Latah Basin G-72 67°N 134°W

LSD. SEC. TWN. RGE. W.

Contractor Peter Bowden #16 Type RI

1st Tour From: 12:00 Midnight To: 8:00 a.m.										2nd Tour From: 8:00 a.m. To: 4:00 p.m.									
<b>DEPTH</b>		From	To	Hole Made	Hole Size	Formation				From	To	Hole Made	Hole Size	Formation					
		4180	4190	10	7 3/4					4190	4215	25	7 3/4						
<b>DRILLING STRING</b>		Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.		Core Bbl. Ft.		Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.		Core Bbl. Ft.			
		4 1/2	37-37	476		809.64				4 1/2	37	37	474	19.42		809.64			
<b>DRILL</b>		Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL				Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL					
<b>COLLAR</b>		26	6 1/8	2 1/8	779.64	DRILLING STRING		DRILL COLLARS		26	6 1/8	2 1/8	771.64	DRILLING STRING		DRILL COLLARS			
<b>DATA</b>		1	7 3/8		30.00					1	7 3/8		30.00	12.5		65			
<b>BIT RECORD</b>		No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled		
		13	SS	10 AM	8 AM	12 1/4	4190	40	190	14	M4N	2 PM		2		35	25		
Bit Serial No. 901170 Table R.P.M. 62										Bit Serial No. 847969 Table R.P.M.									
No. or Conventional - Nozzle Size										No. or Conventional - Nozzle Size									
<b>SURVEYS</b>		Kind	at		Ft.		Deg. off			Kind	at		Ft.		Deg. off				
										Notes	at 4190		Ft		4 1/2				
<b>PUSH PUMP RECORD</b>		HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size				HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size			
		On Line	Circulating								On Line	Circulating							
No. 1						14	6				2			16	45				
No. 2						14	6							16	20				
<b>MUD RECORD</b>		Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS				Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS			
		1:20	47	9.1	7.8	11	Gel 7600#				7:00	125	9.0		10	Mucater 100# CMC 50# Potter 250# Counter 100#			
<b>CORING</b>		From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.			From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.				
<b>DETAIL OF OPERATIONS AND REMARKS</b>						From	To	Hrs.						From	To	Hrs.			
		Rig service				12:00	12:15	1/2		Rig in + circulate rig service				8:00	8:30	30			
		Drill 7 3/4 hole				12:15	12:45	30		Surveys + flow hole				8:30	9:00	30			
		Start circulation - more mud				12:45	9:00	7 1/4		Mont bit #14				9:00	10:30	1:30			
										Check BOP's + change bits				10:30	11:00	30			
										Straps attached in BOP's				11:00	12:00	1:00			
										Run in and set 9:15				12:00	1:00	1:00			
										Down hole + start circulation				1:00	2:00	1:00			
										Drill 7 3/4 hole				2:00	4:00	2:00			
		Driller: <i>W. J. Smith</i>								Driller: <i>W. J. Smith</i>									

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

Total Contract Time \_\_\_\_\_ hrs. Total Company Time \_\_\_\_\_ hrs. Toolpusher *Louis*

**IMPERIAL OIL LIMITED**

**DAILY DRILLING REPORT No. 26**

Contractor Peter Davidson #16 Type Rig 64B Chidwell Month Feb Day 7 1967

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

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

From	To	Hole Made	Hole Size	Formation
4190	4215	25'	7 7/8"	

From	To	Hole Made	Hole Size	Formation
4215	4260	45'	7 7/8"	

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4 1/2"	71	335474	19.42	809.64	

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4 1/2"	37 D	3414.92	35.44	809.64	

DRILL	Number	OD	ID	Length	INDICATOR	WEIGHT OF TOTAL
COLLAR	26	6 1/8"	2 1/2"	772.64	DRILLING STRING	DRILL COLLARS
DATA	1	7 7/8"		30.00	125	65

DRILL	Number	OD	ID	Length	INDICATOR	WEIGHT OF TOTAL
COLLAR	26	6 1/8"	2 1/2"	772.64	DRILLING STRING	DRILL COLLARS
DATA	1	7 7/8"		30.00	125	65

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled Reamed
14	M4N	2:00 PM	-	2		35	25

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled Reamed
14	M4N	2:00 PM	-	5		25	70

Bit Serial No. 847969 Table R.P.M. 40  
 or Conventional - Nozzle Size

Bit Serial No. 877967 Table R.P.M. 64  
 or Conventional - Nozzle Size 3 1/2"

Kind Water at 4190 Ft 4 1/2 Deg. off

Kind at Ft Ft Deg. off

HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
On Line	Circulating				
2		500	16	45	6

HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
On Line	Circulating				
2	2 Tanks	500	16	40	6

Time	Visc.	Wt	WL	pH	ADDITIVES - POUNDS
8:00	100	9.0	7.0	10.0	200 Gel 1500# C17C 150#

Time	Visc.	Wt	WL	pH	ADDITIVES - POUNDS
5:00	130	9.1	7.6	8.0	200 Gel 3500#
9:00	125	9.1	6.2	11.0	Mix Tex 500#
11:00	120	8.9	6.6	11.0	Conastic 200# FiberTex 12 sks.

From	To	Ft. Core'd	Ft. Rec'd.	Core No.	Type Bbl
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From	To	Ft. Core'd	Ft. Rec'd.	Core No.	Type Bbl
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From	To	Hrs.
8:00	8:30	1/2
8:30	9:00	1/2
9:00	10:30	1 1/2
10:30	11:00	1/2
11:00	12:00	1
12:00	1:00	1 1/2
1:00	2:00	1
2:00	4:00	2

Run in + circulate - mix  
 Surveys + blow Kelly  
 Work bit #14  
 Check BOP's + change bits  
 Struggles stuck in BOP's  
 Run in for bit #14  
 Blow Kelly + lost circulation  
 Pull 7 7/8 hole

From	To	Hrs.
4:00	4:15	1/4
4:15	4:30	1/4
4:30	5:00	1/2
5:00	8:45	3 3/4
8:45	9:15	1/2

Rig Service  
 Drily 7 7/8 Hole  
 Blow Kelly lost 75# off bit  
 Lost Circulation - Mix Mud  
 Run in + break circulation  
 Drily 7 7/8 Hole

Driller: [Signature]

Driller: [Signature]

RIG MAINTENANCE: MISCELLANEOUS: CONDITION HOLE REAMING CLEANING: WORKING PIPE: LOST CIRC. MNFR. DRILLING LINE IN USE NUMBER OF KELLY HOPE IN USE REEL SERIAL No. HOSE SERIAL No. DID YOU CHECK BLOWOUT PREVENTER EQUIPMENT TODAY YES NO

Time hrs. Toolpusher [Signature] Approved by [Signature]

10E *Satal River* LSD. SEC. TWN. RGE. W. E-72-67°N 134°W

Contractor *Peter Bowden #15* Type

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

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

DEPTH	1st Tour					2nd Tour																	
	From	To	Hole Made	Hole Size	Formation	From	To	Hole Made	Hole Size	Formation													
	3947	4000	53	7 7/8		4000	4090	90	7 7/8														
DRILLING STRING	Size-D.P.	Stands	Singles	Kelly m	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core											
	4 1/2	3 <sup>5</sup>	3170.31	20.05	809.64		4 1/2	3 <sup>6</sup>	3260	12.26	809.64												
	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL											
COLLAR	26	6 3/8	2 1/2	779.64	DRILLING STRING	DRILL COLLARS	26	6 3/8	2 1/2	779.64	DRILLING STRING	DRILL											
DATA	1	7 1/2		30.00	125 M	65 M	DATA	1	7 3/8		30.00	121 M	65 M										
BIT RECORD	No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE		No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FO						
	12	M4N	1:AM	4 <sup>45</sup>	14 3/4	4000	35	250	-	13	26	10:AM		6	40 M	90							
Bit Serial No. 901928						Table R.P.M. 75						Bit Serial No. 701170						Table R.P.M.					
Jet or Conventional -						Nozzle Size						Jet or Conventional -						Nozzle Size					
SURVEYS	Kind <i>Water</i> at <i>4000</i> Ft. <i>4 1/4</i> Deg. off																						
	HOURS																						
PUMP RECORD	On Line		Circulating		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	On Line				Circulating		Pump Press	Length of Pump Stroke	Strokes Per Min.						
									7 3/4				6 3/2		700	14	26						
MUD RECORD	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS						Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS						
	2:00	70	9.1	7.6	9	<i>Gel 1300*</i>						12:00	80	9.0	7.8	8.0	<i>Gel 4000</i>						
	3:00	68	9.2	7.6	8	<i>P. Hus 100*</i>						2:00	64	9.1	8.9	8.0	<i>CASTIC 20</i>						
												3:00	70	9.1	8.6	7.5	<i>P. Hus 40</i>						
CORING	From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.	From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.											
DETAIL OF OPERATIONS AND REMARKS							From	To	Hrs.														
	<i>Rig running</i>						12:00	12:15	1/4	<i>R &amp; S</i>													
<i>Drill 7 7/8 hole</i>						12:15	4:45	4 1/2	<i>FWH REP</i>														
<i>Run in flow Kelly</i>						4:45	5:00	1/4	<i>30-1A C&amp;C</i>														
<i>Thrust bit # 12</i>						5:00	7:00	2	<i>DRG 7 7/8 hole</i>														
<i>Check BOP's + change bit</i>						7:00	7:10	1/10															
<i>Run in bit # 13</i>						7:10	8:20	1 1/2															
Driller <i>M. Jones</i>						Driller <i>S. Hardie</i>																	

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

Total Contract Time \_\_\_\_\_ hrs. Total Company Time \_\_\_\_\_ hrs. Toolpusher \_\_\_\_\_

**IMPERIAL OIL LIMITED**

DAILY DRILLING REPORT No. 25

Contractor Peter Bowden #15 Type Rig 64B Oilwell Month Feb Day 6 1967

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

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

From	To	Hole Made	Hole Size	Formation
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From	To	Hole Made	Hole Size	Formation
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Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
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Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
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Number	OD	ID	Length	INDICATOR	WEIGHT OF TOTAL
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Number	OD	ID	Length	INDICATOR	WEIGHT OF TOTAL
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No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE	
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No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE	
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13	56	10" 4m		6		40M	90	
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13	56	10" 4m		6		40M	180	
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Serial No.	701170	Table R.P.M.	70
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Bit Serial No.	901170	Table R.P.M.	62
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Jet or Conventional	Conventional	Nozzle Size	3" 1/4
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Jet or Conventional	Conventional	Nozzle Size	3" 1/4
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Kind	at	Ft.	Deg. off
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Kind	at	Ft.	Deg. off
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HOURS					
On Line	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size

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

Time	Visc.	Wt.	WL	pH	ADDITIVES	POUNDS
8:00	80	9.0	7.8	8.0	GEL	40000
9:00	64	9.1	8.9	8.0	CAUSTIC	200
10:30	70	9.1	8.6	7.5	PATIX	400

Time	Visc.	Wt.	WL	pH	ADDITIVES	POUNDS
4:30	60	9.2	7.5	10.0	GEL	2600 #
7:30	50	9.2	7.2	10.5	C.M.C.	1050 #
9:30	52	9.2	7.5	10.5		
11:30	40	9.1	7.8	10.5		

From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.
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From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.
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	From	To	Hrs.
R.G. SER	8:00	8:30	1/4
REPAIR WORK	8:30	9:30	1 1/4
REPAIR CORE CHANGING BIT	9:30	10:00	1/2
DRILLING 7 7/8" HOLE	10:00	12:00	0

	From	To	Hrs.
Rig up, make B.S. Kelly	8:00	8:30	1/4
Drilling 2" hole	8:30	9:00	1 1/2
Repair core changing bit	9:30	10:00	1 1/2
Drilling 7 7/8" hole	10:00	12:00	4 3/4

Driller B. Harkis

Driller B. Harkis

RIG MAINTENANCE: MISCELLANEOUS: CONDITION HOLES	REAMING CLEANING: WORKING PIPE: LOST IRC.	MNFR. DRILLING LINE IN USE	MNFR. OF KELLY HOPE IN USE	REEL SERIAL No.	HOSE SERIAL No.	DID YOU CHECK BLOWOUT PREVENTER EQUIPMENT TODAY	
						YES	NO

Time ..... hrs Toolpusher: ..... Approved by: .....



IOE SATAH RIVER  
G-72 67° 00' N 134° 00' W

IMPERIAL OIL LIMITED

LSD. SEC. TWN. RGE. W.

Contractor Peter Bowden #16 Type Rig 6

1st Tour From: 12:00 Midnight To: 8:00 a.m.										2nd Tour From: 8:00 a.m. To: 4:00 p.m.										
DEPTH		From	To	Hole Made	Hole Size	Formation				From	To	Hole Made	Hole Size	Formation						
		3685	3750	65	7 7/8					3750	3825	75	7 1/8							
DRILLING STRING		Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.		Core Bbl. Ft.		Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.		Core				
		4 1/2	2897.92		40.70	809.64				4 1/2	3019.82		46.50	809.64						
DRILL		Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL				DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL					
COLLAR		26	6 1/2	2 1/8	779.64	DRILLING STRING		DRILL COLLARS		COLLAR	26	6 1/2	2 1/8	779.64	DRILLING STRING		DRILL COLLARS			
DATA		1	7 1/8		10.00	112		65		DATA	1	7 1/8		10.00	112		65			
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	
		11	M4N	1:00 AM	6 AM	2 1/4	3750	40	389		11	M4N	1:00 AM	6:30 AM	2 1/4	3750	40	389		
		Bit Serial No. 403158		Table R.P.M. 55								Bit Serial No. 403158		Table R.P.M. 55						
		Jet or Conventional -		Nozzle Size								Jet or Conventional -		Nozzle Size						
SURVEYS		Kind	Totco 3750		Ft.		Deg. off				Kind	Totco at 3750		Ft.		40				
PUSH PUMP RECORD		HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size				HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.					
No. 1		5 3/4		600	14	56	6				No. 2		8		700	14	6			
MUD RECORD		Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS				Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS				
		1:00	60	9.1	7.6	9	Gel 4200+				3:00	52	7.1	8.2	7.8					
		3:00	63	9.1		9	Paltex 100+													
		5:00	65	9.2	8.2	8	Fibrotex 10 mc													
CORING		From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.				From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type				
DETAIL OF OPERATIONS AND REMARKS				From	To	Hrs.							From	To	Hrs.					
		Reg service		12:00	12:15	1/4					Run in hole		8:00	8:15	1/4					
		Drill 7 7/8" hole		12:15	1:30	1 1/4					Circulate		8:15	8:30	1/4					
		First mud into formation - max mud		1:30	3:30	2					Stop cuttings		8:30	8:45	1/4					
		Drill		3:30	6:00	2 1/2					Rig set		1:00	1:15	1/4					
		Surveys + blow drilled		6:00	6:15	1/4					Remove mud		1:15	1:30	1/4					
		Nest bit # 11		6:15	8:00	1 3/4					Set up survey		1:30	1:45	1/4					
											Drill 7 1/8" hole		1:45	2:00	1/4					
		Driller		<u>W. G. Smith</u>								Driller		<u>B. Hurd</u>						

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

Total Contract Time \_\_\_\_\_ hrs. Total Company Time \_\_\_\_\_ hrs. Toolpusher James Miller

**IMPERIAL OIL LIMITED**

DAILY DRILLING REPORT No. 24

Contractor Peter Bowden #16 Type Rig 64B Oilwell Month Feb Day 5 1967

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

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

From	To	Hole Made	Hole Size	Formation	From	To	Hole Made	Hole Size	Formation
3750	3845	95'	7 1/8"		3645	3947	102'	7 1/2"	

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	3018		16.5	809.64		4 1/2	37	1	27.99	809.64	

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL
COLLAR	26	6 1/2"	2 3/16"	27.64	DRILLING STRING	COLLAR	27	6 1/2"	2 3/16"	27.64	DRILLING STRING

DATA	No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	Reamed
DATA	1	7 3/16			35.00	112 M	56 M		

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	Reamed
11	M40	1:00 AM	6:30 AM	5:30	3750	40	327	
12	M40	11:00 AM				32	12	

Bit Serial No.	Table R.P.M.	Bit Serial No.	Table R.P.M.
30303	90	901928	70

Jet or Conventional	Nozzle Size	Jet or Conventional	Nozzle Size
Conventional	3 1/16"	Conventional	3 1/16"

Kind	at	Ft.	Deg. off	Kind	at	Ft.	Deg. off
T.T.C.	3750	4'					

HOURS		Pump Press.	Length of Pump Stroke	Strokes Per Min	Liner Size	HOURS		Pump Press.	Length of Pump Stroke	Strokes Per Min	Liner Size
On Line	Circulating					On Line	Circulating				
	5	700	14	26	6"	6	1	800	14	56	6"
	7 3/8				6"		8		14	40	6"

Time	Visc.	Wt.	WL	pH	ADDITIVES — POUNDS	Time	Visc.	Wt.	WL	pH	ADDITIVES — POUNDS
3:00	3.2	7.1	8.2	7.0		7:30	48	8.7	7.4	8	CEL 4.200 #
						8:00	50	8.9	6.8	8	Caustic 100 #
						9:30	40	7	7.6	8	POLYMER 50 #
						11:00	95	7.1	7.2	8	MICROEX 2 sacks FIBREX 4 "

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

	From	To	Hrs.		From	To	Hrs.
First tap out w/ST	8:00	8:30	1/2	Rig set, check BOP's, Kelly, cod.	4:00	4:15	1/4
check BOP's	8:30	8:45	1/4	DB drilling	4:15	6:00	1 3/4
shut cut w/ST	8:45	9:00	1/4	Res. wire made	6:00	7:00	1
P.C. Sec.	9:00	9:15	1/4	DRILLING 7 1/8" Hole	7:00	9:15	2 1/4
Resume w/ST	9:15	10:00	3/4	Res. wire pump	9:15	10:00	3/4
Shut cut w/ST	10:00	10:15	1/4	DRILLING	10:00	12:00	2
DRILL 7 1/8" Hole	10:15	11:00	45				

Driller: B. Throck Driller: S. Hicks

RIG MAINTENANCE: REAMING CLEANING: MNFR. DRILLING LINE IN USE REEL SERIAL No. YES NO CHECK BLOWOUT PREVENTER EQUIPMENT TODAY  
 MISCELLANEOUS: WORKING PIPE: MNFR. OF KELLY HOSE IN USE INSTR. SERIAL No. YES NO

Time ..... hrs. Toolpusher Louis Miller Approved by \_\_\_\_\_

LSD. SEC. TWN. RGE. W. Contractor Peter Bowden #16 Type Rig 6

1st Tour From: 12:00 Midnight To: 8:00 a.m.										2nd Tour From: 8:00 a.m. To: 4:00 p.m.											
<b>DEPTH</b>		From	To	Hole Made	Hole Size	Formation				From	To	Hole Made	Hole Size	Formation							
		3361	3430	69	7 3/4					3430	3505	121	7 7/8								
<b>DRILLING STRING</b>		Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.			Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core						
		4 1/2		2575.93	23.43	809.64				4 1/2	2716.41		24.92	809.64							
<b>DRILLING STRING</b>		DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL			DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL						
		COLLAR	26	6 1/8	2 1/8	779.64	DRILLING STRING			COLLAR	26	6 1/8	2 1/8	779.64	DRILLING STRING						
		DATA	1	7 1/2	30.00	11	60 M			DATA	1	7 1/2	30.00	11	60 M						
<b>BIT RECORD</b>		No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE		No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE			
		11	M4N	1 AM		2 3/4		50	69		11	M4N	1:19 AM		10 1/2		40.20	79.9			
		Bit Serial No. 903158					Table R.P.M. 55					Bit Serial No. 903158					Table R.P.M.				
		Nozzle Size					Nozzle Size					Nozzle Size					Nozzle Size				
<b>SURVEYS</b>		Kind	at		Ft.		Deg. off			Kind	at		Ft.		Deg. off						
<b>PUSH PUMP RECORD</b>		HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size		HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size							
		On Line	Circulating						On Line	Circulating											
No. 1		8		700	14	56	6				700	14	26	6							
No. 2		8		700	14	40	6		1 1/4		700	14		6							
<b>MUD RECORD</b>		Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS			Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS						
		1:00	75	9.2	6.5	8	Gel 4200#				88	9.2	6.2	11.0	Gel 4200#						
		3:00	74	9.2			Carbide 300#				73	9.2	6.4	11.0	Carbide 300#						
		5:00	80	9.1			CMC 100# Polter 100#				77	9.1	6.4	10.0	CMC 100# Polter 100#						
		7:00	78	9.0	7.2	10	Minerals 20oz per barrel 10oz Fib 10oz								Minerals 20oz per barrel 10oz Fib 10oz						
<b>CORING</b>		From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.			From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type						
<b>DETAIL OF OPERATIONS AND REMARKS</b>		From		To	Hrs.										From		To	Hrs.			
		12:00		12:45	3/4		Run in bit #11								12:00		1:00	1/2			
		12:45		1:00	1/4		Blue Kelly to break circulation								1:00		1:30	3/4			
		1:00		1:45	3/4		Drill 7 3/4" hole								1:30		2:00	3/4			
		1:45		5:45	4		Misc mud - lost into formation								2:00		4:00	2			
		5:45		7:00	1 1/4		Drill								4:00		4:30	3/4			
		7:00		7:15	1/4		Work on pump + repair valve								4:30		4:45	1/4			
		7:15		8:00	3/4		Drill								4:45		5:00	1/4			
		Driller <u>W. G. ...</u>					Driller <u>B. ...</u>														

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

Total Contract Time .....hrs. Total Company Time .....hrs. Toolpusher ...

**IMPERIAL OIL LIMITED**

DAILY DRILLING REPORT No. **23**

Contractor **Peter Bourden #16** Type Rig **64B Oilwell** Month **Feb** Day **4** 19**67**

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

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

From	To	Hole Made	Hole Size	Formation
3450	3551	121	7 7/8	

From	To	Hole Made	Hole Size	Formation
3551	3686	134	7 7/8	

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4 1/2	30		24.92	809.64	

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4 1/2	31	1	34.92	809.64	

RILL Number OD ID Length INDICATOR WEIGHT OF TOTAL

RILL Number OD ID Length INDICATOR WEIGHT OF TOTAL

COLLAR 27 6 7/8 2 1/16 809.64 DRILLING STRING DRILL COLLARS

COLLAR 27 6 7/8 2 1/16 809.64 DRILLING STRING DRILL COLLARS

ATA 1 7 1/16 30.00 111 M 23 M

ATA 1 7 1/16 30.00 110 M 56 M

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled Reamed
11	M44	6:22 AM		10 1/2		40.20 M	193

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled Reamed
11	M44			17 1/2		40 M	327

Bit Serial No. **703158** Table R.P.M. **26**

Bit Serial No. **703158** Table R.P.M. **56**

Jet or Conventional - **CONV** Nozzle Size **3 1/8**

Jet or Conventional - **CONV.** Nozzle Size **3 1/16**

Kind at Ft. Deg off

Kind at Ft. Deg off

HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
On Line	Circulating				
	7 1/4	700	14	26	6
1 1/4			14		6

HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
On Line	Circulating				
7	3 1/4	700	14	56	6
	8	ON-TANK	14	40	6

Time	Visc.	Wt.	WL	pH	ADDITIVES — POUNDS	
	88	9.2	6.2	11.0	GEL	80,000 #
	73	9.2	6.4	11.0	MICROFIL	200 #
	77	9.1	6.4	10.0	DISPERSE	2 #
					SANDS	20 #

Time	Visc.	Wt.	WL	pH	ADDITIVES — POUNDS	
4:30	83	8.7	6.8	10.5	GEL	1600 #
7:30	70	9.	7.4	10.5		
10:00	50	8.9	7.4	10.5		
11:30	55	8.9	7.4	10.5		

From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.
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From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.
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	From	To	Hrs.
DRAG 1 1/8 Hole	3:00	7:00	1
R.G. SICK CH. OR SOPS	7:00	7:30	1/2
DRAG	7:30	4:00	3 1/2

	From	To	Hrs.
Rig Set, Check BOP's & H. J. Cook	4:00	4:15	1/4
Drilling 7 7/8 Hole	4:15	7:30	3 1/4
Core Sample by Bourden (L.F.D.)	7:30	8:15	3/4
Drilling 7 7/8 Hole	8:15	12:00	3 3/4

Driller **B. Bourden**

Driller **L. H. Hester**

RIG MAINTENANCE: MISCELLANEOUS: CONDITION HOLES: PEAKING CLEANING: WORKING PIPE: LOST CIRC.: MNFR. DRILLING LINE IN USE: MNFR. OF KELLY MOSE IN USE: SEE SERIAL NO.: SEE SERIAL NO.: YES NO

Time \_\_\_\_\_ hrs Toolpusher **House** Approved by \_\_\_\_\_

IMPERIAL OIL LIMITED

LSD..... SEC..... TWN..... RGE..... W..... Contractor *Peter Bowden #16* Type Rig *6*

1st Tour From: **12:00** Midnight To: **8:00** a.m. 2nd Tour From: **8:00** a.m. To: **4:00** p.m.

DEPTH	1st Tour					2nd Tour				
	From	To	Hole Made	Hole Size	Formation	From	To	Hole Made	Hole Size	Formation
	3177	3215	3x	7 7/8		3210	3314	79	7 7/8	

DRILLING STRING	1st Tour						2nd Tour					
	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	26	2385.71	19.65	809.64		4 1/2	3	4212	3144	809.64	
	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL
	COLLAR	27	6 1/4	2 1/4	809.64	DRILLING STRING	COLLAR	27	6 1/4	2 1/4	809.64	DRILLING STRING
	DATA					106	DATA					55

BIT RECORD	1st Tour							2nd Tour								
	No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE	No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE
	10	M4L	12:15		2 1/4		50	38 4	10	M4L	8:00		2 1/2		55	189
	Bit Serial No. <i>900706</i>							Table R.P.M. <i>55</i>								
	<del>Jet</del> Conventional -							Nozzle Size								
	Jet or Conventional -							Nozzle Size								

SURVEYS	1st Tour					2nd Tour				
	Kind	at	Ft	Deg. off		Kind	at	Ft	Deg. off	

MUSH PUMP RECORD	1st Tour						2nd Tour					
	On Line	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	On Line	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
No. 1	7 1/4		600	14	56	6						
No. 2		8		14	40	6	7 1/4		622	14	56	

MUD RECORD	1st Tour						2nd Tour					
	Time	Visc.	Wt.	W L	pH	ADDITIVES - POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES - POUNDS
	1:00	45	9.3	6.8	10	<i>2el 7100 #</i>		48	7.2	7.0	10	<i>2el 2000</i>
	3:00	63	9.2		10	<i>Pelton 400 #</i>		24	1.2	7.2	7.2	<i>m cat 2 220</i>
	5:00	82	9.2	7.1	10	<i>Counter 200 #</i>		63	7.3	7.2	9.2	<i>m cat 2 684</i>
	7:00	45	9.2	6.0	10	<i>Mistox 900 #</i>						
						<i>benzoin 10 case</i>						

CORING	1st Tour					2nd Tour						
	From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.	From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type

DETAIL OF OPERATIONS AND REMARKS	1st Tour			2nd Tour			
	From	To	Hrs.	From	To	Hrs.	
<i>Rig service</i>	12:00	12:15	1/4	<i>Drop 7 7/8" Hole</i>	8:00	8:10	1/4
<i>Drill 7 7/8" hole</i>	12:15	12:30	1/4	<i>R.G. 2el</i>	8:10	8:30	1/4
<i>Lost mud into formation -</i>	12:30			<i>2el</i>	8:30	11:00	2 1/2
<i>more mud to work on water</i>		6:00	5 1/2	<i>lost on hole in 2el with 2el mud</i>	11:00	11:30	1/4
<i>Drill</i>	6:00	8:00	2	<i>2el</i>	11:30	12:00	1/4

Driller *W. Jim* Driller *B. Hurdle*

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

Total Contract Time .....hrs Total Company Time .....hrs Toolpusher *Tom*

**IMPERIAL OIL LIMITED**

DAILY DRILLING REPORT No. 22

Contractor Peter Bowden #16 Type Rig 64B Oilwell Month Feb Day 3 1967

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

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

From	To	Hole Made	Hole Size	Formation	From	To	Hole Made	Hole Size	Formation
3210	3314	99	7 7/8		3314	3361	47%	7 7/8	

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4 1/2	-7	4 2 12	5 4 4	109.64		4 1/2	28	-	17.66	809.64	

RILL Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL
OLLAR 27	6 1/2	2 3/8	809.64		OLLAR 27	6 1/2	2 3/8	809.64	

ATA	DATA
106 M 52 M	103 M 56 M

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled Reamed	No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled Reamed
10	M42	2	7 1/2		55	189		10	M42			8.33	3361	50	134

Bit Serial No 900706 Table R.P.M. 56

Jet or Conventional - out Nozzle Size 3 1/4

Kind Toico at 3361 Ft 30 Deg. off

HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
On Line	Circulating					On Line	Circulating				
	73 1/4	625	14	56	6	3 1/2	-	650	14	56	6"

Time	Visc.	Wt.	WL	pH	ADDITIVES — POUNDS	Time	Visc.	Wt.	WL	pH	ADDITIVES — POUNDS
148	7.2	7.0	10	9.2	2000	4 <sup>30</sup>	55	7.2	7.6	9	2000
24	7.2	7.2	7.5	9.2	200	7 <sup>00</sup>	55	9.3	7	9	2000
23	9.3	2.2	9.2	9.2	825						

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

	From	To	Hrs.		From	To	Hrs.
DRILL 7 7/8" Hole	8 <sup>00</sup>	7 <sup>30</sup>	1 1/2	Rig 2000	4 <sup>00</sup>	4 <sup>30</sup>	1/2
R.G. 314	7 <sup>30</sup>	7 <sup>30</sup>	0	Kelly 800	7 <sup>30</sup>	7 <sup>30</sup>	0
DRILL	9 <sup>30</sup>	11 <sup>00</sup>	1 1/2	Drilling 7" Hole	4 <sup>15</sup>	7 <sup>45</sup>	3 1/2
DRILL	10 <sup>00</sup>	2 <sup>30</sup>	1 1/2	DRILL TO TRIP	7 <sup>45</sup>	8 <sup>15</sup>	1
DRILL	10 <sup>20</sup>	4 <sup>00</sup>	3 1/2	DRILL SWAY	8 <sup>30</sup>	8 <sup>30</sup>	0
				DRILL BIT	8 <sup>30</sup>	10 <sup>00</sup>	1 1/2
				DRILL BIT	10 <sup>00</sup>	12 <sup>00</sup>	2

Driller B. Hurdle Driller L. L. Hurdle

RIG MAINTENANCE: \_\_\_\_\_ REAMING CLEANING: \_\_\_\_\_ MINER. DRILLING LINE IN USE \_\_\_\_\_ REEL SERIAL NO. \_\_\_\_\_ CHECK BLOWOUT PREVENTER EQUIPMENT TODAY \_\_\_\_\_  
 MISCELLANEOUS: \_\_\_\_\_ WORKING PIPE: \_\_\_\_\_ MINER. OF KELLY HOSE IN USE \_\_\_\_\_ HOSE SERIAL NO. \_\_\_\_\_ YES \_\_\_\_\_ NO \_\_\_\_\_  
 CONDITION HOLE: \_\_\_\_\_ LOST CIRC.: \_\_\_\_\_

Time \_\_\_\_\_ hrs. Toolpusher Louis Adell Approved by \_\_\_\_\_

**IMPERIAL OIL LIMITED**

DAILY DRILLING REPORT No. 21

Contractor Peter Brander #16 Type Rig 54B Oilwell Month July Day 2 1967

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

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

From	To	Hole Made	Hole Size	Formation	From	To	Hole Made	Hole Size	Formation								
3150	3177	27	7 7/8		3177												
Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.						
1/2	27-2		17.95	654.21		4 1/2	26	-	15.39	809.64							
DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL						
COLLAR	21	6 1/4	2 3/16	24.21	DRILLING STRING	COLLAR	27	6 1/8	2 7/16	809.64	DRILLING STRING						
DATA	1	7 3/16	2 3/16	30.2	91 M	DATA					103 M						
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
9	YT. A	10:00 PM	12:15	10 1/2	3177	35 M	129		10	M46	-	-	*				40'

Bit Serial No. 576667 Table R.P.M. 56 Bit Serial No. 500206 Table R.P.M. 27

Jet or Conventional - Conv. Nozzle Size 3 1/16 Jet or Conventional - Nozzle Size 3 1/16

Kind	at	Ft	Deg. off	Kind	at	Ft	Deg. off
TO TOP		3120	3°				

  

HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
On Line	Circulating				
	3 1/2	600	14	26	6
			14		6

Time	Visc.	Wt.	WL	pH	ADDITIVES — POUNDS	Time	Visc.	Wt.	WL	pH	ADDITIVES — POUNDS
11:00	44	7.4	6.6	9.0	POLY 200 GEL 200	11:30	44	9.3	7.4	8	

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

	From	To	Hrs.		From	To	Hrs.
DRILL 7 7/8" Hole	3:00	10:00	2	REPAIR VALVE ON BIT	4:00		
R. & S. E.	6:00	10:30	1/2	MANIFOLD	7:30		3 1/2
DRILL	10:00	11:30	1	RUN IN DRILL COLLARS PICK	7:30		
SEE PLAN TO TOP	11:30	2:00	1/2	UP 5' MORE.	8:30		1
S. & S. S. S.	2:00	2:00	1/4	RUN IN W/ BIT #10	8:30	10:00	
H. T. S. B. T. #9	12:00	2:00	1 3/4	REAM & CLEAN 4" FILT. #10	10:00		
4" S. S. 4" S. S. 4" S. S.	2:00	2:00	1/4	D. S. Hole	12:00		
DRILL W/ 2" MANIFOLD	2:00	4:00	1 1/2				

Driller S. Hurdie Driller S. Hurdie

RIG MAINTENANCE: REAMING CLEANING: MNFR. DRILLING LINE IN USE REEL SERIAL No. DID YOU CHECK BLOWOUT PREVENTER EQUIPMENT TODAY  
 MISCELLANEOUS: WORKING PIPE: MNFR. OF KELLY HOSE IN USE HOSE SERIAL No. YES NO  
 CONDITION HOLE: LOST CIRC.:

Time .....hrs. Toolpusher Louis O'Neil Approved by .....

IOE SATAH RIVER  
G-72 67° 00' N. RGE. 00' W. W.

IMPERIAL OIL LIMITED

LSD..... SEC..... TWN..... Contractor Peter Bowden #16 Type Rig 64

1st Tour From: **12:00** Midnight To: **8:00** a.m. 2nd Tour From: **8:00** a.m. To: **4:00** p.m.

DEPTH	1st Tour					2nd Tour				
	From	To	Hole Made	Hole Size	Formation	From	To	Hole Made	Hole Size	Formation
	2838	2952	86	7 3/8		2922	3048	76	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
		4 1/2	26	266328	33.32	654.51	sub 1.09	4 1/2	26	266328	33.32	654.51

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL		DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
					DRILLING STRING	DRILL COLLARS						DRILLING STRING	DRILL COLLARS
COLLAR	21	6 1/4	2 3/8	624.51			21	6 1/8	2 3/8	624.51			
DATA	1	7 1/2	2 3/8	30.20	94 M	45 M	1	7 3/4	2 3/8	30.20	94 M	45 M	

BIT RECORD	No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE		No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE
								Drilled	Reamed								
	8	OSC 16	8:30 AM		10 1/4		35 M	166		8	OSC 16	8:30 AM		10 1/4		35 M	166

Bit Serial No. 73413 Table R.P.M. 55 Bit Serial No. 73413 Table R.P.M. 55  
 Jet or Conventional - Conventional Nozzle Size Conventional

PUSH PUMP RECORD	Kind	at	Ft.	Deg. off	HOURS					Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
					On Line	Circulating							
No. 1					7 1/4					600	14	55	6
No. 2										600	14	55	6

MUD RECORD	Time	Visc.	Wt.	W L	pH	ADDITIVES - POUNDS					
	1:20	43	7.5	7.0	10	2.22	1900				
	3:00	44	7.5	6.8	10						
	5:00	44	9.4	7.0	10						
	7:00	45	9.4	6.4	9						

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

DETAIL OF OPERATIONS AND REMARKS	From	To	Hrs.	From	To	Hrs.
Drill 7 3/8" hole	12 <sup>15</sup>	5 <sup>30</sup>	5 1/4	8 <sup>30</sup>	3 <sup>30</sup>	30
Work on pump	5 <sup>30</sup>	6 <sup>00</sup>	1/2	3 <sup>30</sup>	4 <sup>00</sup>	30
Drill	6 <sup>00</sup>	8 <sup>00</sup>	2			

Driller: Art Jones Driller: B. Gardner

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

Total Contract Time .....hrs. Total Company Time .....hrs. Toolpusher Louis



**IMPERIAL OIL LIMITED**

DAILY DRILLING REPORT No. 20

Contractor Peter Bowden #16 Type Rig 64 B Oilwell Month Jan Feb Day 1 1967

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

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

From	To	Hole Made	Hole Size	Formation	From	To	Hole Made	Hole Size	Formation						
2922	3048	96	7 7/8		2048	3065	17	2 1/2	SAND & SHALE						
Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.				
4 1/2	26			65 1/2	51	4 1/2	26	1	28 23	65 1/2					
DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL				
COLLAR	21	6 1/8	2 3/4	124 1/2	DRILLING STRING	DRILL COLLARS	22	6 1/2	2 1/2	65 1/2	DRILLING STRING	DRILL COLLARS			
DATA	1	7 3/4	2 3/4	3 1/2	29 M	42 M	DATA				91 M	45 M			
No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled Reamed	No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled Reamed
8	SEC	3:30 PM	4:00 PM	17 1/4	30 1/2	262		7	YIP	10:00 PM		2	30 M	17	

Bit Serial No. 73418 Table R.P.M. 60 Jet or Conventional - Conventional Nozzle Size 3 1/4

Bit Serial No. E76069 Table R.P.M. 55 Jet or Conventional - Conventional Nozzle Size 3 1/4

Kind at Ft. Deg. off

HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
On Line	Circulating				
	7 1/2	600	14	56	6
7 3/4			14		6

Kind at Ft. Deg. off

HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
On Line	Circulating				
		600	14	55	6"
		650	14	60	6"

Time	Visc.	Wt.	WL	pH	ADDITIVES — POUNDS
9:00	45	9.5	6.2	9.0	Gil 200
1:00	52	7.5	6.8	9.0	CAUSTIC 100 FULTON 200

Time	Visc.	Wt.	WL	pH	ADDITIVES — POUNDS
11:00	51	9.4	6.7	9	

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

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

	From	To	Hrs.
RE SERIALIZED	8:00	8:30	1/2
DRILL 2 1/2" Hole	8:30	3:30	7
CHEMICAL TO TOP	3:30	4:00	1/2

	From	To	Hrs.
HEIST, LAY DOWN 4 SINGLES	4:00		
Hole Tag H.		6:45	2 3/4
Rig SER, HOLE BIT'S REPAIR			
gland packing	6:45	7:40	1
Run in w/ Bit	7:45	9:30	1 3/4
BACKLINE CLEAN 2" Fil	9:30	10:00	1/2
Drilling 2 1/2" Hole	10:00	12:00	2

Driller B. Starnes

Driller E. J. Hicks

RIG MAINTENANCE: REAMING CLEANING: MNFR. DRILLING LINE IN USE REEL SERIAL No. DID YOU CHECK BLOWOUT PREVENTER EQUIPMENT TODAY  
 MISCELLANEOUS: WORKING PIPE: MNFR. OF KELLY HOSE IN USE HOSE SERIAL No. YES NO  
 CONDITION HOLE: LOST CIRC.:

Time ..... hrs. Toolpusher Louis Abel Approved by .....

IOE SATAH RIVER  
G-72 67° 00' N 134° 00' W

IMPERIAL OIL LIMITED

..... LSD..... SEC..... TWN..... RGE..... W..... Contractor *Peter Boardman Drilling Co. Ltd* Type Rig *11*

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

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

DEPTH	1st Tour					2nd Tour				
	From	To	Hole Made	Hole Size	Formation	From	To	Hole Made	Hole Size	Formation
	2554	2706	152	7 7/8	SAND & SHALE	2706	2786	80	7 7/8	

DRILLING STRING	1st Tour					2nd Tour					
	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.
	4 1/2	22	1	27.63	654.51			2112.75	17.45	654.51	1.09

DRILLING STRING	1st Tour					2nd Tour						
	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL
		22	6 1/2	2 3/8	654.51			21	6 1/2	2 3/8	654.51	

BIT RECORD	1st Tour					2nd Tour										
	No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE	No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE
	7	YT1A			11	35M	221		7	YT1A	8:45 pm	12:30	155	2786	35	301

BIT RECORD	1st Tour					2nd Tour				
	Bit Serial No.	Table R.P.M.	Jet or Conventional	Nozzle Size		Bit Serial No.	Table R.P.M.	Jet or Conventional	Nozzle Size	
	E 76979	56	CONV.	3 1/4		E 76979				

SURVEYS	1st Tour					2nd Tour				
	Kind	at	Ft.	Deg. off		Kind	at	Ft.	Deg. off	
						Inter	2786		236°	

MUD RECORD	1st Tour					2nd Tour						
	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
	1:00	27	9.5	6.6	10.5	CEL 1500 #	9:00	43	9.5	6.6	10	CEL 1500 #
	2:00	53	9.4	6.6	11	CRUSTIC 100 #	11:00	45	9.4	6.2	10	
	5:00	49	9.4	6.6	11	RELIN, 100 #	1:00	44	9.3	6.0	10	
	8:00	44	7.5	7.	11							

CORING	1st Tour					2nd Tour						
	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	1st Tour			2nd Tour			
	From	To	Hrs.	From	To	Hrs.	
	Rig Services check BOP's	12:00	12:15	1/4	Drill 7 7/8" hole	8:00	8:45
	Dr. h. h. ing 7 7/8" hole.	12:15	8:00	7 3/4	Rig services, check Hydraulics, setting billy cock & run out	8:45	9:00
					Roll	9:00	12:45
					Run in + blow-billy	12:45	1:00
					Work tight hole - very down string	1:00	3:00
					Went bit # 7	3:00	4:00

Driller: *L. E. Hicks* Driller: *Col. Smith*

CLASSES OF TIME BREAKDOWN

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

Total Contract Time .....hrs. Total Company Time .....hrs. Toolpusher: *Paul Smith*

**IMPERIAL OIL LIMITED**

DAILY DRILLING REPORT No. 20

Contractor Patric Bourdon Drilling Co. Ltd. Type Rig Rotary Month Jan Day 31 1967

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

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

From	To	Hole Made	Hole Size	Formation	From	To	Hole Made	Hole Size	Formation
706	2786	80	7 3/8		2786	2838	52	7 1/8	

D.P.	Stands	Singles	Kelly in	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
1/2			2112.75	17.45	654.51	1.09	42	2142.11	40.27	654.51	

LL	Number	OD	ID	Length	INDICATOR	WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR	WEIGHT OF TOTAL
COLLAR	21	6 1/2	2 1/2	24.51	DRILLING STRING	DRILL COLLARS	COLLAR	21	6 1/2	2 1/2	24.51	DRILLING STRING	DRILL COLLARS

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE	No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE
1				30.00	92 M	45 M		1				30.00	92 M	45 M	

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE	No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE
8	isc 3	3:20		3 1/2	30 M	2		8	isc 3	3:20		3 1/2	30 M	2	

Serial No. E70079 Table R.P.M. 56 Bit Serial No. 23413 Table R.P.M. 56

Jet or Conventional - Conventional Nozzle Size 3/16 Jet or Conventional - Conventional Nozzle Size 3/16

Kind	at	Ft.	Deg. off	Kind	at	Ft.	Deg. off

HOURS					Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURS					Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
On Line	Circulating								On Line	Circulating							
6 1/2				6:50	14	55	6		7:54	4			6:50	14	56	6	

Time	Visc.	Wt.	WL	pH	ADDITIVES — POUNDS	Time	Visc.	Wt.	WL	pH	ADDITIVES — POUNDS
00	43	9.5	6.6	10	gel 1500 #	1:50	44	9.5	5.7	10	gel 1500 #

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

From	To	Hrs.	From	To	Hrs.

7 3/8" hole  
 by service, check hydraulic  
 pump, kelly cock & turned  
 back  
 running & blow kelly  
 look tight hole - lay down string  
 kelly bit # 7

First trip out w/B.T. #7  
 check logs o.k.  
 R.G. SER.  
 cut & slip 44' of line  
 Run in w/B.T. #8  
 Pick up 4 joints v. pipe  
 Dr. is in...  
 Done 278" H.T.

Driller: Col Smith Driller: B. H. ...

RIG MAINTENANCE: REAMING CLEANING: MNFR. DRILLING LINE IN USE REEL SERIAL No. DID YOU CHECK BLOWOUT PREVENTER EQUIPMENT TODAY  
 MISCELLANEOUS: WORKING PIPE: MNFR. OF KELLY HOSE IN USE HOSE SERIAL No. YES NO  
 CONDITION HOLE: LOST CIRC.:

Time \_\_\_\_\_ hrs. Toolpusher: ... Approved by: \_\_\_\_\_

IOE SATH RIVER

IMPERIAL OIL LIMITED

LSD..... SEC..... TWN..... RGE. *G-72 67° 00' N 134° W*

Contractor *Peter Brandon #16* Type Rig *6*

1st Tour From: **12:00** Midnight To: **8:00** a.m.      2nd Tour From: **8:00** a.m. To: **4:00** p.m.

DEPTH	1st Tour					2nd Tour				
	From	To	Hole Made	Hole Size	Formation	From	To	Hole Made	Hole Size	Formation
	2150	2330	180	7 1/8	SAND & SHALE	2330	2485	155	7 3/8	

DRILLING STRING	1st Tour					2nd Tour				
	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.
	4 1/2	18	1	14.61	654.51	4 1/2	18	1	18.10	654.51

DRILLING STRING	1st Tour					2nd Tour				
	DRILL	Number	OD	ID	Length	DRILL	Number	OD	ID	Length
	COLLAR	22	6 1/8	2 3/8	654.51	DRILLING STRING	21	6 1/8	2 3/8	624.51

BIT RECORD	1st Tour					2nd Tour				
	No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run
	6	JSC-112			12	6	JSC19	7:45 PM	3:00	18 1/2

BIT RECORD	1st Tour					2nd Tour				
	Bit Serial No.	Table R.P.M.	Jet or Conventional	Nozzle Size		Bit Serial No.	Table R.P.M.	Jet or Conventional	Nozzle Size	
	65808	70	Conventional	3-1/16		65808		Conventional		

SURVEYS	1st Tour					2nd Tour				
	Kind	at	Ft.	Deg. off		Kind	at	Ft.	Deg. off	
							Intec	2485		3°

MUD RECORD	1st Tour					2nd Tour				
	On Line	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	On Line	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.
	No. 1	3		500	14	50	6		600	14

MUD RECORD	1st Tour					2nd Tour				
	Time	Visc.	Wt.	W L	pH	Time	Visc.	Wt.	W L	pH
	1:00	62	9.2	6.6	10.2	CEH 200#	9:00	55	9.3	7.0

CORING	1st Tour					2nd Tour				
	From	To	Ft. Cored	Ft. Rec'd.	Core No.	From	To	Ft. Cored	Ft. Rec'd.	Core No.

DETAIL OF OPERATIONS AND REMARKS	1st Tour					2nd Tour				
	From	To	Hrs.			From	To	Hrs.		
		12:00	12:15	1/4	Reg Service effect BOP's		8:00	9:00	1	Drill 7 3/8" hole

Driller: *A. J. Decker*      Driller: *M. J. Davis*

HEADING UP & DRG. OUT:      CLASSES OF TIME BREAKDOWN:      CASING:      LOGGING:      RIG MAINTENANCE:      REAMING CLEANING:      MNFR. DRILLING

Total Contract Time ..... hrs.      Total Company Time ..... hrs.      Toolpusher *Louis*

# IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 18

Contractor Peter Brandon #16 Type Rig 64B Olinell Month January Day 30 1962

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

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

From	To	Hole Made	Hole Size	Formation	From	To	Hole Made	Hole Size	Formation
2330	2485	155	7 3/8		2435	2554	69	7 7/8	

Size-D.P.	Stands	Singles	Kelly in	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	
4 1/2	18	1130	-	18.10	654.51	1.09	4 1/2	20-2	1872	14	26.26	654.51

DRILL	Number	OD	ID	Length	INDICATOR	WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR	WEIGHT OF TOTAL
COLLAR	21	6 1/8	2 1/16	624.51	DRILLING STRING	DRILL COLLARS	COLLAR	21	6 1/8	2 1/16	624.51	DRILLING STRING	DRILL COLLARS

DATA	1	7 1/2 <th>2 1/16 <th>30.00 <th>98 M <th>45 M <th>DATA</th> <th>1</th> <th>7 1/2 <th>2 1/16 <th>30.00 <th>91 M <th>45 M</th> </th></th></th></th></th></th></th></th>	2 1/16 <th>30.00 <th>98 M <th>45 M <th>DATA</th> <th>1</th> <th>7 1/2 <th>2 1/16 <th>30.00 <th>91 M <th>45 M</th> </th></th></th></th></th></th></th>	30.00 <th>98 M <th>45 M <th>DATA</th> <th>1</th> <th>7 1/2 <th>2 1/16 <th>30.00 <th>91 M <th>45 M</th> </th></th></th></th></th></th>	98 M <th>45 M <th>DATA</th> <th>1</th> <th>7 1/2 <th>2 1/16 <th>30.00 <th>91 M <th>45 M</th> </th></th></th></th></th>	45 M <th>DATA</th> <th>1</th> <th>7 1/2 <th>2 1/16 <th>30.00 <th>91 M <th>45 M</th> </th></th></th></th>	DATA	1	7 1/2 <th>2 1/16 <th>30.00 <th>91 M <th>45 M</th> </th></th></th>	2 1/16 <th>30.00 <th>91 M <th>45 M</th> </th></th>	30.00 <th>91 M <th>45 M</th> </th>	91 M <th>45 M</th>	45 M
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No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE	No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE
6	05C1G	7:45 PM	3:30 PM	18 3/4	2485	35 M	431 -	7	YTLA	2:45 PM	3:14	3 1/4	25	69	

Bit Serial No. 65809 Table R.P.M. 70 Bit Serial No. E 76079 Table R.P.M. 55-6

Jet or Conventional - Conventional Nozzle Size 3 1/16

Kind Toto at 2485 Ft. 3 Deg. off  Kind  at  Ft.  Deg. off

HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
On Line	Circulating	600	14	55	6
5 3/4		650	14	60	6

HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
On Line	Circulating				
7 3/4		520	14	56	6

Time	Visc.	Wt.	WL	pH	ADDITIVES - POUNDS
8:00	55	9.3	7.0	10	
9:00	53	9.3		10	
10:00	50	9.3	7.2	10	
11:00	48	9.4		9.5	

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

From	To	Hrs.	From	To	Hrs.
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Drill 7 3/8" hole From 8:00 To 9:00 Hrs. 1  
Log service, check hydroil, service From 9:00 To 9:15 Hrs. 1/4  
belly work + removed  
Drill From 9:15 To 3:00 Hrs. 5 3/4  
Runway + flow belly From 3:00 To 3:15 Hrs. 1/4  
Joint bit # 6 From 3:15 To 4:00 Hrs. 3/4

Driller: M. Davis Driller: B. Harris

RIG MAINTENANCE: MISCELLANEOUS: CONDITION HOLE: REAMING CLEANING: WORKING PIPE: LOST CIRC.: MNFR. DRILLING LINE IN USE: MNFR. OF KELLY HOSE IN USE: REEL SERIAL No.: HOSE SERIAL No.: DID YOU CHECK BLOWOUT PREVENTER EQUIPMENT TODAY: YES NO

Time ..... hrs. Toolpusher Louis Mel Approved by .....

IOE SATAH RIVER  
G-72 67° 00' N 134° 00' W

IMPERIAL OIL LIMITED

LSD..... SEC..... TWN..... RGE..... W..... Contractor *Richard Bowden Dr. Log. 1510* Type Rig *1510*

1st Tour From: 12:00 Midnight To: 8:00 a.m.											2nd Tour From: 8:00 a.m. To: 4:00 p.m.												
DEPTH		From	To	Hole Made	Hole Size	Formation					From	To	Hole Made	Hole Size	Formation								
DEPTH		1805	1968		7 7/8	Sand & Ash					1968	2054	36	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.							
DRILLING STRING		4 1/2	14	1	13.20	654.51					4 1/2	1357.51		40.70	654.51	nat 1							
DRILLING STRING		DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL				DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL							
DRILLING STRING		COLLAR	22	6 1/2	2 3/4	654.51	DRILLING STRING				COLLAR	21	6 1/2	2 1/2	654.51	DRILLING STRING							
DRILLING STRING		DATA	80M				45M				DATA	1	7 1/2	2 1/2	30.00	80M 45							
BIT RECORD		No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE		No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE					
BIT RECORD		5	56	1.30		6 1/2		40M	Drilled	Reamed	6	56	1:30AM	2:00M	12 1/4	2054	30	249	Drilled	Reamed			
BIT RECORD		Bit Serial No. 900951					Table R.P.M. 60					Bit Serial No. 900951					Table R.P.M.						
BIT RECORD		Jet or Conventional - CONV.					Nozzle Size 3-1/4					Jet or Conventional -					Nozzle Size						
SURVEYS		Kind	at			Ft.	Deg. off				Kind	at			Ft.	Deg. off							
SURVEYS																							
PUSH PUMP RECORD		HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size		HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size									
PUSH PUMP RECORD		On Line	Circulating						On Line	Circulating													
PUSH PUMP RECORD		6 1/2	-	550	14	55	6"		5 3/4	8	550	14	55	6"									
PUSH PUMP RECORD		No. 1	8	on tanks	14	40	6"		on tanks			14											
MUD RECORD		Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS				Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS							
MUD RECORD		2:00	68	9	6.8	10.5	CEL 1400 #				9:00	75	9.3	6.0	9	Peltex 100 #							
MUD RECORD		5:00	62	9.1	6.3	10.5	CEL 50 #				11:00	64	9.3	6.0	10								
MUD RECORD		7:00	53	9.2	7.4	10.5					1:00	63	9.3	6.0	10								
CORING		From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.				From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type							
CORING																							
DETAIL OF OPERATIONS AND REMARKS		From	To	Hrs.												From	To						
DETAIL OF OPERATIONS AND REMARKS		12:00	12:15	1/4	Rig service check BOP's											8:00	9:30						
DETAIL OF OPERATIONS AND REMARKS		12:15	1:15	1	Run in of Bit #5											9:30	10:00						
DETAIL OF OPERATIONS AND REMARKS		1:15	1:30	1/4	Breakline clean in to BOP											10:00	10:15						
DETAIL OF OPERATIONS AND REMARKS		1:30	8:00	6 1/2	Drilling 7 7/8" Hole.											10:15	2:15						
DETAIL OF OPERATIONS AND REMARKS					Drill											2:15	2:30						
DETAIL OF OPERATIONS AND REMARKS					Run way + blow filter											2:30	3:45						
DETAIL OF OPERATIONS AND REMARKS					Mount bit #5											3:45	4:00						
DETAIL OF OPERATIONS AND REMARKS					Check BOP's + change bit.											4:00							
DETAIL OF OPERATIONS AND REMARKS		Driller <i>L S Hicks</i>											Driller <i>M Quinn</i>										

CLASSES OF TIME BREAKDOWN

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

Total Contract Time .....hrs. Total Company Time .....hrs. Toolpusher *Louis*

**IMPERIAL OIL LIMITED**

**DAILY DRILLING REPORT No.**

Contractor *P.O. ... Dr. ...* Type Rig *R.O. ...* Month *J.A.S.* Day *29* 1967

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

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

From	To	Hole Made	Hole Size	Formation
968	2054	86	7 7/8"	

From	To	Hole Made	Hole Size	Formation
2054	2120	76	7 7/8"	

D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
2	1357.51		40.90	654.51	net 1.09

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4 1/2	79.21		2.71	654.51	

L	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL
DRILLING STRING	21	6 1/8"	2 1/2"	624.51	

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL
DRILLING STRING	21	6 1/8"	2 1/2"	624.51	

A	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL
DRILL COLLARS	1	7 1/8"	2 1/4"	30.00	80 M 45

DATA	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL
DRILL COLLARS	1	7 1/8"	2 1/4"	30.00	80 M 45 M

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled Reamed
56		1:30 AM	2:10 AM	12 1/4	2054	30	249

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled Reamed
6		7:00 AM			2114	30	76

Serial No. *900951* Table R.P.M. *60*

Bit Serial No. *65808* Table R.P.M. *70*

Conventional - Nozzle Size

Jet or Conventional - *CONVENTIONAL* Nozzle Size

Kind	at	Ft.	Deg. off
HOURS			
On Line	Circulating	Pump Press	Length of Pump Stroke
3 1/4	8	550	14
	<i>on tank</i>		14

Kind	at	Ft.	Deg. off
HOURS			
On Line	Circulating	Pump Press	Length of Pump Stroke
7 1/4	5	520	14
			14

Time	Visc.	Wt.	WL	pH	ADDITIVES — POUNDS
00	75	9.3	6.0	9	<i>Pullex 100 #</i>
00	64	9.3	6.0	10	
00	63	9.3	6.0	10	

Time	Visc.	Wt.	WL	pH	ADDITIVES — POUNDS
33	7.5	6.2	10	8.4	100
70	9.4	6.1	10	8.5	100
					80
					<i>Pullex 200</i>

From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.
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From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.
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From	To	Hrs.
8:00	9:30	1 1/2
9:30	10:00	1/2
10:00	10:15	1/4
10:15	2:15	4 1/4
2:15	2:30	1/4
2:30	3:45	1 1/4
3:45	4:00	1/4

From	To	Hrs.
4:00	4:15	1/4
4:15	4:30	1/4
4:30	5:45	1 1/4
5:45	6:30	3/4
6:30	7:00	1/2
7:00	7:20	1/4

Driller *M. Zindl*

Driller *E. ...*

RIG MAINTENANCE: REAMING CLEANING: MNFR. DRILLING LINE IN USE REEL SERIAL No. DID YOU CHECK BLOWOUT PREVENTER EQUIPMENT TODAY  
 MISCELLANEOUS: WORKING PIPE: MNFR. OF KELLY HOSE IN USE HOSE SERIAL No. YES NO  
 CONDITION HOLE: LOST CIRC.:

Time \_\_\_\_\_ hrs. Toolpusher *Louis ...* Approved by \_\_\_\_\_

IOE SATHI RIVER  
G-72 67° 00' N 134° 00' W

IMPERIAL OIL LIMITED

LSD..... SEC..... TWN..... RGE..... W..... Contractor *Philip Bowden Drilling* Type Rig

1st Tour From: 12:00 Midnight To: 8:00 a.m.												2nd Tour From: 8:00 a.m. To: 4:00 p.m.													
DEPTH		From	To	Hole Made	Hole Size	Formation						From	To	Hole Made	Hole Size	Formation									
		1805	1968		7 7/8	Sand + Gravel						1968	2054	86	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.								
		4 1/2	14	1	13.70	654.51						4 1/2	1357.51		40.90	654.51	net								
DRILL		Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL						DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL								
COLLAR		22	6 1/8	2 3/4	654.51	DRILLING STRING						COLLAR	21	6 1/8	2 3/4	654.51	DRILLING STRING								
DATA		80 M						45 M						DATA	1	7 1/8	2 1/2	30.00	80 M						
BIT RECORD		No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE			No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE						
		5	56	1:30		6 1/2		40 M				6	56	1:30 AM	2:00 PM	12 1/4	2054	30	249						
		Bit Serial No. 900951						Table R.P.M. 60						Bit Serial No. 900951						Table R.P.M.					
		Jet or Conventional - <i>con v.</i>						Nozzle Size 3-1/16						Jet or Conventional -						Nozzle Size					
SURVEYS		Kind	at			Ft.			Deg. off			Kind	at			Ft.			Deg. off						
FLUSH PUMP RECORD		HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size												
No. 1		On Line	Circulating					On Line	Circulating																
No. 2		6 1/2	-	550	14	55	6"	5 3/4	8	550	14	55	6"												
		8		on tanks		14	40	on tanks		14		40													
MUD RECORD		Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS					Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS								
		2:00	68	7	6.8	10.5	PEL 1400 #					9:00	75	7.3	6.0	9	Peltex 100 #								
		5:00	62	9.1	6.3	10.5	WELL EX 50 #					11:00	54	9.3	6.0	10									
		7:00	53	9.2	7.4	10.5						1:00	63	9.3	6.0	10									
CORING		From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.					From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.								
DETAIL OF OPERATIONS AND REMARKS		From	To	Hrs.								From	To	Hrs.											
		12:00	12:15	1/4	Rig service check BOP's							8:00	9:20	1 1/4	Drill 7 7/8" hole										
		12:15	1:15	1	Run in w/ Bit #5							9:30	10:00	30	Rig open, check BOP's, Kelly										
		1:15	1:30	1/4	Breakline clean in to Bit							10:00	10:30	30	sock + service manual										
		1:30	8:00	6 1/2	Drilling 7 7/8" hole.							10:00	2:00	2	Drill										
												2:00	2:30	30	Run way + blow Kelly										
												2:30	3:45	1 1/2	Jobbit bit #5										
												3:45	4:00	15	Check BOP's + change bit.										
Driller		<i>L S Hicks</i>										Driller <i>Al Quinn</i>													

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: MNFR. OF KELL

Total Contract Time .....hrs. Total Company Time .....hrs. Toolpusher *Locia*



**IMPERIAL OIL LIMITED**

**DAILY DRILLING REPORT No. ....**

Contractor P. J. ... Type Rig Rotary Month JAN Day 29 1962

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

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

From	To	Hole Made	Hole Size	Formation
1968	2054	86	7 3/8	

From	To	Hole Made	Hole Size	Formation
2054	2120	76	7 7/8	

Size-D.P.	Stands	Singles	Kelly in	Drill. Collar Ft.	Core Bbl. Ft.
4 1/2	1357.51		40.90	654.51	net 1.09

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4 1/2	1357.51		40.90	654.51	

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL
DRILLING STRING	21	6 1/4	2 1/2	624.51	

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL
DRILLING STRING	21	6 1/4	2 1/2	624.51	

DATA	1	7 1/8 <th>2 1/2 <th>30.00</th> <th>80 M</th> <th>45</th> </th>	2 1/2 <th>30.00</th> <th>80 M</th> <th>45</th>	30.00	80 M	45
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DATA	1	7 1/8 <th>2 1/2 <th>30.00</th> <th>80 M</th> <th>45</th> </th>	2 1/2 <th>30.00</th> <th>80 M</th> <th>45</th>	30.00	80 M	45
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No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled Reamed
56		1:30 AM	2:00 AM	12.4	2054	30	249

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled Reamed
6		7:00 AM	1:14	32	76		

Bit Serial No. 900951 Table R.P.M. 60

Bit Serial No. 65808 Table R.P.M. 70

Kind Conventional - Nozzle Size

Kind Conventional - Nozzle Size

HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
On Line	Circulating				
5 3/4	8	550	14	55	6

HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
On Line	Circulating				
7 3/4	5	550	14	57	6

Time	Visc.	Wt.	WL	pH	ADDITIVES — POUNDS
9:00	75	9.3	6.0	9	Petrox 100 #
10:00	54	9.3	6.0	10	
11:00	63	9.3	6.0	10	

Time	Visc.	Wt.	WL	pH	ADDITIVES — POUNDS
11:00	75	6.2	10	8.2	1200
12:00	9.4	6.1	10	8.2	100
					200

From	To	Ft. Cored	Ft. Rec'd	Core No.	Type Bbl.
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From	To	Ft. Cored	Ft. Rec'd	Core No.	Type Bbl.
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From	To	Hrs.
8:00	9:00	1 1/2
9:30	10:00	3/4
10:00	2:15	4 1/4
2:15	2:30	1/4
2:30	3:45	1 1/4
3:45	4:00	1/4

Drill 7 3/8" hole  
Rig gear, check BOP's, belly  
cock + service manual  
Drill  
Run way + blow belly  
Mount bit #5  
Check BOP's + change bit.

From	To	Hrs.
4:00	4:15	1/4
4:15	4:30	1/4
4:30	5:45	1 1/4
5:45	6:30	3/4
6:30	7:45	1 1/4
7:45	12:00	4 1/4

2.5 sec  
check BOP's O.K.  
Run in B.T.#6  
Blow Kelly casing sensor  
Run in casing sensor  
Done 7 7/8" hole

Driller: M. J. ...

Driller: L. ...

RIG MAINTENANCE: REAMING CLEANING: MNFR. DRILLING LINE IN USE REEL SERIAL No. DID YOU CHECK BLOWOUT PREVENTER EQUIPMENT TODAY  
MISCELLANEOUS: WORKING PIPE: HOSE SERIAL No. YES NO  
CONDITION HOLE: LOST CIRC.: MNFR. OF KELLY HOSE IN USE

Time ..... hrs. Toolpusher Louis ... Approved by .....

IOE SATAH RIVER  
 G-72 67° 00' N 134° 00' W  
 TWN. RGE. W.

IMPERIAL OIL LIMITED

LSD. SEC.

Contractor Pete Bearden #16 Type Rig 64

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m.

DEPTH	1st Tour					2nd Tour				
	From	To	Hole Made	Hole Size	Formation	From	To	Hole Made	Hole Size	Formation
	1545	1712	167	7 7/8	SAND & SHALE	1712	1722	10	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.
		4 1/2"	11	1	29.93	654.51		4 1/2"		1026.47	40.90	654.51

DRILLING STRING	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL
			22	6 3/8	2 3/16	624.51			21	6 3/8	2 3/16	624.51

BIT RECORD	No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE	No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE
		4	DT2G			8 1/2		40M	207	4	DT2G	9 1/2 AM		9 1/4		34M

BIT SERIAL NO.		TABLE R.P.M.		JET OR CONVENTIONAL		NOZZLE SIZE	
57087		60		conventional		3 1/4"	

PUSH PUMP RECORD	HOURS						Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
	On Line	Circulating								
No. 1	6 1/4	-				550	14	52	6"	
No. 2										

MUD RECORD	Time	Visc.	Wt.	WL	pH	ADDITIVES - POUNDS	
	1:00	52	9.	7.	11	GEL	2100#
3:00	44	8.9	7	11	CAUSTIC	50#	
5:00	43	9.1	7.2	11	CELLEX	50#	
					MICELLE	10 BAGS.	

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

DETAIL OF OPERATIONS AND REMARKS	From	To	Hrs.	Remarks	From	To	Hrs.	Remarks
		12:00	12:15	1/4	Don't need into formation, rise	8:00		
	12:15	6:30	6 1/4	run + work on water		2:45		
	6:30	7:00	1/2	run in	2:45	3:15		
	7:00	8:00	1	Drill & circulate slowly	3:15	4:00		

Driller: J. H. Hick

Driller: A. J. [Signature]

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

Total Contract Time .....hrs. Total Company Time .....hrs. Toolpusher Stavis

**IMPERIAL OIL LIMITED**

DAILY DRILLING REPORT No. 16

Contractor Peter Boardman #16 Type Rig 64B. O'Brien Month Jan Day 28 1967

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

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

From	To	Hole Made	Hole Size	Formation			
1712	1722	10	7 3/4				
Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core-Bbl. Ft.		
4 1/2	11	1026.47	40.90	654.51	1.09		
DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL		
COLLAR	21	6 3/8	2 1/8	624.51	DRILLING STRING DRILL COLLARS		
DATA	1	7 1/8	2 3/8	30.00	80 M 60 M		
No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled Reamed
4	DT2G	9 45 PM	-	9 1/4	-	34 M	217 -

From	To	Hole Made	Hole Size	Formation			
1722	1805	83	7 1/8				
Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.		
4 1/2	1117.30		3200	654.51			
DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL		
COLLAR	21	6 3/8	2 1/8	229.21	DRILLING STRING DRILL COLLARS		
DATA	1	7 3/8	2 3/8	30.00	78 M 45 M		
No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled Reamed
4	DT2G	9 45 PM	10 25 PM	12	1800	40 M	300

Bit Serial No. 57087 Table R.P.M. 70  
 Jet or Conventional -                      Nozzle Size                     

Bit Serial No. 57087 Table R.P.M. 60  
 Jet or Conventional - CONV. Nozzle Size 3 1/16

Kind	at	Ft.	Deg. off

Kind	at	Ft.	Deg. off
To T Co		1790	2°

HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
On Line	Circulating				
3 1/4	6 3/4	500	14	64	6
	8	on tank	14	40	6

HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
On Line	Circulating				
7 3/4	5 3/4	200	14	56	6

Time	Visc.	Wt.	WL	pH	ADDITIVES — POUNDS
					gel 3600 # Mixer 15 sac Bawdick 15 sac

Time	Visc.	Wt.	WL	pH	ADDITIVES — POUNDS
5:00	70	7.1	8.0	10.0	GEL 1200
7:30	60	9.1	6.2	10.0	CAUSTIC 100
9:00	70	7.1	5.8	0.0	CAUSTIC CAUSTIC PATER PATER

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

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

Driller A. J. [Signature]

Driller B. Hardie

RIG MAINTENANCE: REAMING CLEANING: MNFR. DRILLING LINE IN USE REEL SERIAL No. DID YOU CHECK BLOWOUT PREVENTER EQUIPMENT TODAY  
 MISCELLANEOUS: WORKING PIPE: MNFR. OF KELLY HOSE/IN USE HOSE SERIAL No. YES NO  
 CONDITION HOLE: LOST CIRC.:  
 YES NO

Toolpusher Louis [Signature] Approved by                     

Time                      hrs.

G-72 67° 00' N 134° 00' W  
TWN RGE W.

Contractor Peter Bowden #16 Type Rig 64

LSD SEC

1st Tour From: 12:00 Midnight To: 8:00 a.m.										2nd Tour From: 8:00 a.m. To: 4:00 p.m.											
DEPTH		From	To	Hole Made	Hole Size	Formation				From	To	Hole Made	Hole Size	Formation							
DEPTH		1068	1335	267	7 7/8	SAND SHALE				1335	1493	158	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.						
DRILLING STRING		4 1/2	7	1	13.92	654.51				4 1/2	8 1/2	-	19.00	654.51	1.0						
DRILLING STRING		DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL			DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL						
DRILLING STRING		COLLAR	22	6 1/8	2 1/8	624.51	DRILLING STRING			COLLAR	21	6 3/8	2 1/8	624.51	DRILLING STRING						
DRILLING STRING		DATA				70.00	45.00			DATA	1	7 1/8	2 1/8	70.00	72 60						
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				
BIT RECORD		3	DT26	1:15		6 3/4		40.00	267	3	DT26	1:15 AM		11 1/2		35	325				
BIT RECORD		Bit Serial No. 57083					Table R.P.M. 60					Bit Serial No. 57083					Table R.P.M.				
BIT RECORD		Jet or Conventional - <u>COND</u>					Nozzle Size <u>2-1/16</u>					Jet or Conventional -					Nozzle Size				
SURVEYS		Kind	at			Ft.	Deg. off			Kind	at			Ft.	Deg. off						
PUSH PUMP RECORD		HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size		HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size							
PUSH PUMP RECORD		On Line	Circulating						On Line	Circulating											
PUSH PUMP RECORD		No. 1	1-6 3/4	-	495	14	58 6"		No. 2					500 14 60							
MUD RECORD		Time	Visc.	Wt.	W L	pH	ADDITIVES - POUNDS			Time	Visc.	Wt.	W L	pH	ADDITIVES - POUNDS						
MUD RECORD		1:30	46	2.6	7.4	11	PILTEX 100#			9:00	43	8.9	7.0	8	Gel 3100						
MUD RECORD		3:30	47	2.7	6.8	10.5				11:00	44	9.0			Mistose 500						
MUD RECORD		7:30	43	8.9	7.2	10.5				1:00	40	9.0	7.6	10	Pulston 100						
MUD RECORD										3:00	42	7.0		7.5	Comter 60						
CORING		From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.			From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type						
CORING																					
DETAIL OF OPERATIONS AND REMARKS					From	To	Hrs.							From	To						
DETAIL OF OPERATIONS AND REMARKS					P.O. Ser. Check BOP's	12:00	12:15	1/4			Rig gear, check BOP's, Kelly			8:00	8:15						
DETAIL OF OPERATIONS AND REMARKS					Run in Bit #3	12:15	1:00	3/4			wash & grease carnival										
DETAIL OF OPERATIONS AND REMARKS					BRECK CIRC CLEAN 5' TO BIT	1:00	1:15	1/4			Drill 7 7/8" hole			8:15	10:15						
DETAIL OF OPERATIONS AND REMARKS					Drilling	1:15	8:00	6 3/4			Change pumps			10:15	10:45						
DETAIL OF OPERATIONS AND REMARKS											Kill			10:45	1:30						
DETAIL OF OPERATIONS AND REMARKS											Lost mud into formation - max mud			1:30	4:00						

Driller: L. S. Hicks

Driller: Al Junt

CLASSES OF TIME BREAKDOWN

HEADING UP & DRLG. OUT: TOTCO: CONDITIONING MUD: CASING: LOGGING: RIG MAINTENANCE: REAMING CLEANING: MNFR. DRILLING  
 DRILLING: FISHING: TRIPPING: W.D.C.: W. O. ORDERS: MISCELLANEOUS: WORKING PIPE: MNFR. OF KELLY  
 REAMING: CIRCULATING: CORING: D.S. TESTING: RIG REPAIRS: CONDITION HOLE: LOST CIRC.:  
 Total Contract Time .....hrs. Total Company Time .....hrs. Toolpusher Louis A. He



IOE SATAH RIVER  
G-72 67° 00' N 134° 00' W

IMPERIAL OIL LIMITED

LSD..... SEC..... TWN..... RGE..... W..... Contractor *P.R. Bowden Drilling Service Ltd* Type Rig *A*

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m.

DEPTH	1st Tour					2nd Tour				
	From	To	Hole Made	Hole Size	Formation	From	To	Hole Made	Hole Size	Formation
	900	907	7	7 3/8	SAND & SHALE	907	937	30	7 3/8	

DRILLING STRING	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
		4 1/2	4	2	40.00	438.21		4 1/2	26999		12.00	54.51

DRILLING STRING	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL
		COLLAR	15	6 1/2	2 1/8	418.21	DRILLING STRING	COLLAR	1	7 1/8	2 1/8	30.00

BIT RECORD	No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE	No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE
		1	DT2G	2 45		1/4	10M	7		1	DT2G	7 45	10 45	2 1/4	937	20

SURVEYS	Kind	at	Ft.	Deg. off	Kind	at	Ft.	Deg. off
						Joker	937	

MUSH PUMP RECORD	On Line	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	On Line	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
	No. 1	3	5	200	14	58	6"			200	14	60
No. 2		8		14	40	6 1/2"				14	50	

MUD RECORD	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.

DETAIL OF OPERATIONS AND REMARKS	From	To	Hrs.	From	To	Hrs.
	W.O.C.	12:00	3:00	3	Reg service	8:00
Run in to Press Test.	3:00	4:00	1	Pressure test formation to 500 PSI (OIT)	8:15	8:30
Press Test Pipe Run in to 1000 PSI.	4:00	4:30	1/2	Run 7 3/8" hole	8:30	10:30
Press Test Hydr. to 1000 PSI.	4:30	5:00	1/2	Running	10:30	10:45
Drilling out	5:00	7:45	2 3/4	Went bit #1	10:45	11:15
Drilling 7 3/8" Hole	7:45	8:00	1/4	Pick up 7 DC's + run in	11:15	2:00
				Mix mud.	2:00	4:00

Driller: *J. J. Hicks* Driller: *Art [Signature]*

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

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

**IMPERIAL OIL LIMITED**

**DAILY DRILLING REPORT No. ....**

Contractor Richard Bowden Drilling Services Ltd. Type Rig Rotary Month Jan Day 26 1967

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

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

From	To	Hole Made	Hole Size	Formation
907	937	30	7 3/8	

From	To	Hole Made	Hole Size	Formation
937	1068	131	7 7/8	

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4 1/2	26999		12.00	54.51	1.09

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4 1/2	4-5	372.03	20.17	54.51	

RILL Number	OD	ID	Length	INDICATOR	WEIGHT OF TOTAL
COLLAR 1 □	7 1/8	2 1/8	30.00	DRILLING STRING	DRILL COLLARS
ATA 21	6 1/4	2 1/8	224.51	65 M	65 M

DRILL Number	OD	ID	Length	INDICATOR	WEIGHT OF TOTAL
COLLAR 1 □	7 1/8	2 1/8	30.00	DRILLING STRING	DRILL COLLARS
DATA 21	6 1/4	2 1/8	224.51	65 M	65 M

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	Reamed
1	DTAG	7:44 AM	10:14 AM	2 1/4	937	20	37	-
2	DTAG							

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	Reamed
2	DTAG	2:30	10:14 PM	7 3/4	1068	40	131	

Bit Serial No. 57085 57084 Table R.P.M. 60

Bit Serial No. 57084 Table R.P.M. 60

Conventional - Nozzle Size

Jet or Conventional - Conventional Nozzle Size 3 1/16

Kind	at	Ft.	Deg. off
<u>Totex</u>	<u>937</u>	<u>1 3/4</u>	<u>0</u>

Kind	at	Ft.	Deg. off
<u>Totex</u>	<u>1050</u>	<u>1 1/2</u>	<u>0</u>

HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
On Line	Circulating				
		<u>200</u>	<u>14</u>	<u>60</u>	<u>6</u>
			<u>14</u>	<u>50</u>	<u>6 1/2</u>

HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
On Line	Circulating				
		<u>6</u>	<u>14</u>	<u>56</u>	<u>6</u>
			<u>14</u>	<u>56</u>	<u>6</u>

Time	Visc.	Wt.	WL	pH	ADDITIVES — POUNDS
					<u>Gel 2000<sup>+</sup></u>
					<u>Caustic 100<sup>+</sup></u>
					<u>Gellor 100<sup>+</sup></u>

Time	Visc.	Wt.	WL	pH	ADDITIVES — POUNDS
<u>50</u>	<u>8.4</u>	<u>7.0</u>	<u>10.0</u>		<u>Beck 2000</u>
<u>47</u>	<u>8.4</u>	<u>9.0</u>	<u>12.0</u>		<u>Caustic 100</u>
					<u>P.T. 200</u>

From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.
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From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.
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	From	To	Hrs.
<u>Big service</u>	<u>8:00</u>	<u>8:15</u>	<u>1/4</u>
<u>Pressure test formation to 500 PSI (OK)</u>	<u>8:15</u>	<u>8:30</u>	<u>1/4</u>
<u>Drill 7 3/8" hole</u>	<u>8:30</u>	<u>10:30</u>	<u>2</u>
<u>Run</u>	<u>10:30</u>	<u>10:45</u>	<u>1/4</u>
<u>Weight bit #1</u>	<u>10:45</u>	<u>11:15</u>	<u>1/2</u>
<u>Pick up 7 D.C's + run in</u>	<u>11:15</u>	<u>2:00</u>	<u>2 1/4</u>
<u>Mix mud</u>	<u>2:00</u>	<u>4:00</u>	<u>2</u>

	From	To	Hrs.
<u>P.C. 300</u>	<u>4:00</u>	<u>4:12</u>	<u>1/4</u>
<u>Conventional mud</u>	<u>4:12</u>	<u>5:30</u>	<u>1 1/4</u>
<u>Drill 7 7/8" hole</u>	<u>5:30</u>	<u>6:00</u>	<u>1/2</u>
<u>Run</u>	<u>6:00</u>	<u>6:30</u>	<u>1/2</u>
<u>40 ST 100 1/2</u>	<u>6:36</u>	<u>12:00</u>	<u>1 1/2</u>

Driller: W. Jones

Driller: B. Hardie

RIG MAINTENANCE: REAMING CLEANING: MNFR. DRILLING LINE IN USE REEL SERIAL No. DID YOU CHECK BLOWOUT PREVENTER EQUIPMENT TODAY  
 MISCELLANEOUS: WORKING PIPE: MNFR. OF KELLY HOSE IN USE HOSE SERIAL No. YES NO  
 CONDITION HOLE: LOST CIRC:

Time hrs. Toolpusher James Bell Approved by \_\_\_\_\_

IOE SATAH RIVER

IMPERIAL OIL LIMITED

G-72 57° 00' N 134° 00' W

Contractor *Prick Bowen Daly* Type Rig *SEM LTD*

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

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

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

DEPTH	1st Tour					2nd Tour				
	From	To	Hole Made	Hole Size	Formation	From	To	Hole Made	Hole Size	Formation

*900*

*900*

DRILLING STRING	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core
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DRILLING STRING	DRILL	Number	OD	ID	Length	INDICATOR	WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR	WEIGHT OF TOTAL
	COLLAR							COLLAR						
	DATA							DATA						

BIT RECORD	No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE		No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FO	
								Drilled		Reamed								
	Bit Serial No.							Table R.P.M.		Bit Serial No.							Table R.P.M.	
	Jet or Conventional -							Nozzle Size		Jet or Conventional -							Nozzle Size	

SURVEYS	Kind	at	Ft	Deg. off	Kind	at	Ft	Deg. off			
	HOURS				HOURS						
	On Line	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	On Line	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.

MUD RECORD	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
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DETAIL OF OPERATIONS AND REMARKS	From	To	Hrs.	From	To	Hrs.
	<i>W. O. C.</i>			<i>W. O. C.</i>		
	<i>12<sup>00</sup> 8<sup>00</sup> 8</i>			<i>8<sup>00</sup> 4<sup>00</sup></i>		

Driller *C. S. Hicks*

Driller *W. J. J. J.*

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

Total Contract Time ..... hrs. Total Company Time ..... hrs. Toolpusher *Louis*



IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 13

Contractor Peter Bauden Drilling Services Ltd Type Rig Rotary Month JAN Day 25 1967

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

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

From	To	Hole Made	Hole Size	Formation	From	To	Hole Made	Hole Size	Formation		
00					700						
D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.

LL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL						
LLAR	DRILLING STRING					DRILL COLLARS	COLLAR	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		No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE	
							Drilled	Reamed								Drilled	Reamed

Serial No.	Table R.P.M.	Bit Serial No.	Table R.P.M.		
Jet or Conventional -	Nozzle Size	Jet or Conventional -	Nozzle Size		
Kind	at	Ft.	Deg. off		
HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
On Line	Circulating				

Time	Visc.	Wt.	WL	pH	ADDITIVES — POUNDS	Time	Visc.	Wt.	WL	pH	ADDITIVES — POUNDS

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

	From	To	Hrs.		From	To	Hrs.
W.O.C	8:00	4:00	8:00		4:00	12:00	8

Driller W. J. J. J. Driller S. J. J. J.

RIG MAINTENANCE: REAMING CLEANING: MNFR. DRILLING LINE IN USE REEL SERIAL No. DID YOU CHECK BLOWOUT PREVENTER EQUIPMENT TODAY  
 MISCELLANEOUS: WORKING PIPE: MNFR. OF KELLY HOSE IN USE HOSE SERIAL No. YES NO  
 CONDITION HOLE: LOST CIRC.:

Time ..... hrs. Toolpusher Louis Abel Approved by .....

IOE SATH RIVER  
G-72 67° 00' N 134° 00' W

IMPERIAL OIL LIMITED

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

Contractor PETER SANDER RIG #16 Type Rig Oil

1st Tour From: <b>12:00</b> Midnight To: <b>8:00</b> a.m.												2nd Tour From: <b>8:00</b> a.m. To: <b>4:00</b> p.m.														
DEPTH		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.									
DRILLING STRING		DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL					DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL									
DRILLING STRING		COLLAR					DRILLING STRING					DRILLING STRING					DRILLING STRING									
DRILLING STRING		DATA												DATA												
BIT RECORD		No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE			No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE							
BIT RECORD		Bit Serial No.										Table R.P.M.														
BIT RECORD		Jet or Conventional -										Nozzle Size														
SURVEYS		Kind	at			Ft.			Deg. off			Kind	at			Ft.			Deg. off							
PUSH PUMP RECORD		HOURS					Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURS					Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size							
PUSH PUMP RECORD		On Line	Circulating								On Line	Circulating														
MUD RECORD		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									
DETAIL OF OPERATIONS AND REMARKS		From										To	Hrs.	From										To		
DETAIL OF OPERATIONS AND REMARKS		Finish Trip out to Run CSC										12 <sup>00</sup>	12 <sup>30</sup>	1/2	Circ CSC Rig up cementing										8 <sup>00</sup>	9 <sup>30</sup>
DETAIL OF OPERATIONS AND REMARKS		RIG SER										12 <sup>30</sup>	12 <sup>45</sup>	1/4	un i.											
DETAIL OF OPERATIONS AND REMARKS		RIG To Run casing, Run CSC										12 <sup>45</sup>	6 <sup>00</sup>	5 1/2	Cement & Displace plug @										9 <sup>30</sup>	
DETAIL OF OPERATIONS AND REMARKS		CIRC CASING										6 <sup>00</sup>	8 <sup>00</sup>	2	11 AM											
DETAIL OF OPERATIONS AND REMARKS		RAN 28 JNTS 9 7/8" N80-40" CSC.										TOTAL OF			902.01 FOOT COLLAR - 1.63											
DETAIL OF OPERATIONS AND REMARKS		SHOE 1.22 LANDED AT 900' K.B.										CEMENTED WITH			275 SKS CEMENT											
DETAIL OF OPERATIONS AND REMARKS		PLUS 3.5% CaCl <sub>2</sub> . BUMP PLUG WITH 1200" P.S.I.										PLUG DOWN AT														
DETAIL OF OPERATIONS AND REMARKS		11:00 A.M. JAN 24/67 SAURRY WT. 15.										-15.4														
DETAIL OF OPERATIONS AND REMARKS		Driller <u>B. Hurdie</u>										Driller <u>L. J. Hicks</u>														

HEADING UP & DRG. OUT: TOTCO: FISHING: REAMING: CLASSES OF TIME BREAKDOWN: 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: MNFR. OF KELLY

Total Contract Time .....hrs. Total Company Time .....hrs. Toolpusher Luis Alb

**IMPERIAL OIL LIMITED**

DAILY DRILLING REPORT No. 12

Contractor PETER SANDER RIG #16 Type Rig oil well 64B Month Jan Day 17 1967

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

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

From	To	Hole Made	Hole Size	Formation

From	To	Hole Made	Hole Size	Formation

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

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

DRILL Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL

DRILL Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL

COLLAR	DRILLING STRING	DRILL COLLARS

COLLAR	DRILLING STRING	DRILL COLLARS

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

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

Bit Serial No.	Table R.P.M.

Bit Serial No.	Table R.P.M.

Jet or Conventional -	Nozzle Size

Jet or Conventional -	Nozzle Size

Kind	at	Ft.	Deg. off	HOURS					
				On Line	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size

Kind	at	Ft.	Deg. off	HOURS					
				On Line	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size

Time	Visc.	Wt.	WL	pH	ADDITIVES — POUNDS

Time	Visc.	Wt.	WL	pH	ADDITIVES — POUNDS

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

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

From	To	Hrs.
------	----	------

From	To	Hrs.
------	----	------

*Circ. ess. Rig up cementing 8:00 9:30*  
*11 AM*  
*CEMENT & Displace plug @ 9:30*  
*11:00*  
*LEAK OUT BOP'S & SET SHIPS 11:00 4:00*  
*902.01 FOOT COLLAR - 1.63*  
*D WITH 275 SKS CEMENT*  
*2" P.S.I. PLUG DOWN AT*  
*- 15.4*

*WOC + Read up BOP's 4:00 12:00 8*

Driller *L. J. Hicks*

Driller *W. J. [Signature]*

RIG MAINTENANCE: \_\_\_\_\_ REAMING CLEANING: \_\_\_\_\_ MFR. DRILLING LINE IN USE \_\_\_\_\_ REEL SERIAL No. \_\_\_\_\_ DID YOU CHECK BLOWOUT PREVENTER EQUIPMENT TODAY \_\_\_\_\_  
 MISCELLANEOUS: \_\_\_\_\_ WORKING PIPE: \_\_\_\_\_ MFR. OF KELLY HOSE IN USE \_\_\_\_\_ HOSE SERIAL No. \_\_\_\_\_ YES \_\_\_\_\_ NO \_\_\_\_\_  
 CONDITION HOLE: \_\_\_\_\_ LOST CIRC.: \_\_\_\_\_

ny Time \_\_\_\_\_ hrs. Toolpusher *Louis [Signature]* Approved by \_\_\_\_\_

LSD. SEC. G-72 67° 00' N 134° 00' W TWN. RGE. W. Contractor Peter Sauer R.G. #16 Type Rig 216

1st Tour From: 12:00 Midnight To: 8:00 a.m.						2nd Tour From: 8:00 a.m. To: 4:00 p.m.																		
DEPTH	From	To	Hole Made	Hole Size	Formation	From	To	Hole Made	Hole Size	Formation														
	792	833	41	12 1/4		833	879	46	2 3/4 SAND STMA															
DRILLING STRING	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.												
	4 1/2	361.70		24.83	438.21		4 1/2	4	1	40.37	438.21													
	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL												
	COLLAR	15	6 1/8	2 3/16	438.21	DRILLING STRING	DRILL COLLARS	COLLAR	15	6 1/8	2 3/16	438.21	DRILLING STRING	DRILL COLLARS										
DATA						56 M	DATA																	
BIT RECORD	No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE		No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE							
	7A	YS1R	2:15 AM		53 1/4		20	41		7A	YS1			11 1/2	879	120	27							
	Bit Serial No.						Table R.P.M. 60						Bit Serial No.						Table R.P.M.					
	Jet or Conventional - CONV.						Nozzle Size						Jet or Conventional - CONV.						Nozzle Size					
SURVEYS	Kind at Ft. Deg. off					Kind at 879 Ft. 13° Deg																		
	HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size												
	On Line	Circulating					On Line	Circulating																
No. 1		6	20	14	27	7 1/4	3/4	-	250	14	57													
No. 2	7 3/4			14		6 1/2	5	-	250	101	28													
MUD RECORD	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS						Time	Visc.	Wt.	W L	pH	ADDITIVES — POUND							
	12:00	44	9.6	15.0	10.	Gel	1.000							9:00	45	9.6	8	9.5						
	4:00	43	9.6		10.	POLYMER	100							1:00	43	9.6	8	9.5						
	6:00	42	9.7	9.6	10.	CAUSTIC	50																	
						CELLULOSE	50																	
CORING	From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.	From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type												
DETAIL OF OPERATIONS AND REMARKS				From	To	Hrs.				From	To	Hrs.												
	FINISH TAP OUT W/B.T # 6			12:00	12:15	1/4	RIG SERVICE & CHECK BOB'S			8:00	8:30													
	R.G. SER CHECK BOB'S			12:15	12:40	1/2	DRILLING 12 1/4" HOLE			8:30	9:15													
	RAN IN W/B.T # 7			12:40	2:00	1 1/4	CHANGE PUMPS			9:15	9:30													
	BLOW KELLY BREAK COR.			2:00	2:15	1/4	DRILLING 12 1/4" HOLE			9:30	10:30													
	DRILL 12 1/4" HOLE			2:15	8:00	5 3/4	GREASE SWIVEL & CHECK KELLY CATCH			10:30	10:45													
							DRILLING 12 1/4" HOLE			10:45	2:42													
							TAKE SURVEY			2:45	3:00													
							DUMMY TAP MEASUREMENT			3:00	4:00													
	Driller: <u>B. Hardie</u>						Driller: <u>[Signature]</u>																	

CLASSES OF TIME BREAKDOWN

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

Total Contract Time .....hrs. Total Company Time .....hrs. Toolpusher: [Signature]

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 11

Contractor *Peter Bauer R.G. #16* Type Rig *Oil Well 64:8* Month *Jan* Day *23* 19*67*

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

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

From	To	Hole Made	Hole Size	Formation	From	To	Hole Made	Hole Size	Formation
8:33	8:79	46	2 3/4	SAND 95' HOLE	8:79	9:00	21	12 1/4	

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
1 1/2	4	1	40.37	438.21		4 1/2	4	2	422.79	30.00	438.21

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL
COLLAR	15	6 1/4	2 3/16	438.21		COLLAR	15	6 1/4	2 3/16	438.21	

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	FOOTAGE Reamed
7A	YSI	11 1/2	8:79	12M	87			

Bit Serial No.	Table R.P.M.	Bit Serial No.	Table R.P.M.
	106		

Kind	at	Ft.	Kind	at	Ft.
Jet	8:79	12	Jet	9:00	

Time	Visc.	Wt.	WL	pH	ADDITIVES — POUNDS
8:00	45	9.6	8	9.5	
8:30	43	9.6	8	9.5	

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

From	To	Hrs.	From	To	Hrs.		
Rig service check BOP's	8:00	8:30	1/2	Rig service check BOP's	4:00	4:15	1/4
Drilling 12 1/4" Hole	8:30	9:15	3/4	M repair in hole	4:15	5:00	3/4
Change Pumps	9:15	9:30	1/4	Break circulation	5:00	5:15	1/4
Drilling 12 1/4" Hole	9:30	10:30	1	Drill 12 1/4" hole	5:05	10:00	4 3/4
GREASE SWIVEL CHECK	10:30	10:45	1/4	Circulate & cord hole for casing	10:00	11:30	1 1/2
Kelly coat	10:45	11:00	1/4	Survey	11:30	11:45	1/4
Drilling 12 1/4" Hole	10:45	2:42	4	Drill bit #72 for surface casing	11:45	12:00	1/4
TRIP SURVEY	2:45	3:00	1/4				
Runny trip measuring out	3:00	4:00	1				

Driller: *W. J. J. J.*

RIG MAINTENANCE: MISCELLANEOUS: CONDITION HOLE: REAMING CLEANING: WORKING PIPE: LOST CIRC.: MNFR. DRILLING LINE IN USE: MNFR. OF KELLY HOSE IN USE: REEL SERIAL No.: HOSE SERIAL No.: DID YOU CHECK BLOWOUT PREVENTER EQUIPMENT TODAY: YES NO

Time: \_\_\_\_\_ hrs. Toolpusher: *Louis Allet* Approved by: \_\_\_\_\_

IOE SATAH RIVER

IMPERIAL OIL LIMITED

G-72 67° 00' N 134° 00' W

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

Contractor P. T. A. SANDERSON R.G. #16 Type Rig 2

1st Tour From: **12:00** Midnight To: **8:00** a.m. 2nd Tour From: **8:00** a.m. To: **4:00** p.m.

DEPTH	1st Tour					2nd Tour				
	From	To	Hole Made	Hole Size	Formation	From	To	Hole Made	Hole Size	Formation
	752	768	16	12 1/4"		768			12 1/4"	

DRILLING STRING	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
	4 1/2	269.99	31.00	2489	433.93		4 1/2	3	1	20.61	433.21	
	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL
	COLLAR	15	6 1/8	2 3/16	433.93	DRILLING STRING	COLLAR	15	6 1/8	2 3/16	433.21	DRILLING STRING

BIT RECORD	No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE		No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE		
	5A	M4N	8:53 PM		8 1/4	15	42		Drilled	Reamed	2A	M4N			8 4/26			Drilled	Reamed
	Bit Serial No. <u>820263</u> Table R.P.M. <u>150</u>										Bit Serial No. <u>820263</u> # <u>6</u> <u>36067</u> Table R.P.M.								

PUSH PUMP RECORD	Kind	at	Ft.	Deg. off	Kind	at	Ft.	Deg. off		
	<u>TOTCO</u>	<u>750</u>	<u>1 1/2</u>							
	HOURS				HOURS					
On Line	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	On Line	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.
	<u>4 1/2</u>	<u>425</u>	<u>14</u>		<u>7 1/4</u>					
No. 1										
No. 2	<u>7 3/4</u>		<u>14</u>		<u>6 1/2</u>					

MUD RECORD	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
	<u>12:30</u>	<u>46</u>	<u>9.7</u>	<u>7.8</u>	<u>11.0</u>							
	<u>4:00</u>	<u>52</u>	<u>9.7</u>	<u>7.6</u>	<u>11.0</u>							

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

DETAIL OF OPERATIONS AND REMARKS	From	To	Hrs.	From	To	Hrs.
	<u>Survey @ 750'</u>	<u>12:00</u>	<u>12:05</u>	<u>1/4</u>	<u>Rig up &amp; Run in over shot</u>	<u>9:30</u>
<u>R.G. Sit</u>	<u>12:05</u>	<u>12:00</u>	<u>1/4</u>	<u>Blow Kelly work over Fish</u>	<u>9:30</u>	<u>11:30</u>
<u>DRAG 12 1/4" Hole</u>	<u>12:00</u>	<u>5:00</u>	<u>4 1/2</u>	<u>HOIST FISH &amp; BREAK DOWN OVERSHOT</u>	<u>1:30</u>	<u>1:30</u>
<u>Blow Kelly, Pull out</u>	<u>5:00</u>	<u>6:00</u>	<u>1</u>	<u>Check BOP &amp; Run in 4 Bit #6</u>	<u>1:30</u>	<u>3:30</u>
<u>Pick up over shot</u>	<u>6:00</u>	<u>8:00</u>	<u>2</u>	<u>Blow Kelly &amp; clean 12' to 2 1/2"</u>	<u>3:30</u>	<u>4:30</u>
<u>Twisted off last B.D.C.</u>						
<u>Twisted off 5' up from pin on 9th collar</u>						

Driller James Hurdie Driller L. S. Hieba

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

Total Contract Time .....hrs. Total Company Time .....hrs. Toolpusher Jim

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 10

Contractor P.T.A. SANDER R.G. #16 Type Rig Shwin 648 Month Jan Day 22 1967

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

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

2nd Tour						3rd Tour																	
From	To	Hole Made	Hole Size	Formation		From	To	Hole Made	Hole Size	Formation													
062			12 1/4			768	792	24	12 1/4														
Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.												
4 1/2	3	1	20.61	438.21		4 1/2	3	2	14.33	438.21	8.19												
DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL		DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL											
COLLAR	15	6 1/8	2 3/8	438.21	DRILLING STRING DRILL COLLARS		COLLAR	15	6 1/8	2 3/8	438.21	DRILLING STRING DRILL COLLARS											
DATA						DATA																	
2 in 30 m.						58 45																	
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						
5A	M4N	-	-	8 1/4	768		42		6A	M4N	4 PM	11 PM	6 1/4	792	15-18	24							
Bit Serial No. #2820283 #436067						Table R.P.M.						Bit Serial No. 836067						Table R.P.M. 60					
Jet or Conventional -						Nozzle Size						Jet or Conventional -						Nozzle Size					
Kind at Ft.						Deg off						Kind at Ft.						Deg off					
HOURS						HOURS						HOURS						HOURS					
On Line	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	On Line	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	On Line	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size						
						7 1/4		350	74	58	7 1/4			8	14	70	6 1/4						
Time Visc. Wt. WL pH ADDITIVES — POUNDS						Time Visc. Wt. WL pH ADDITIVES — POUNDS						Time Visc. Wt. WL pH ADDITIVES — POUNDS						Time Visc. Wt. WL pH ADDITIVES — POUNDS					
5:00 46 9.7 11						Brent 850*						7:00 39 9.6 11											
9:00 35 9.5 11												11:00 38 9.5 11											
From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.	From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.	From	To	Hrs.	From	To	Hrs.						
Rig up & Run in Over Shot 8:00 9:30 1 1/2						Rig service						4:00 4:15 1/4											
Blow Kelly work over Fish 9:30 11:30 2						Drill 12 1/4 hole						4:15 9:15 5											
Hoist Fish & Break Down Over Shot 11:30 1:30 2						Survey						9:15 9:45 1/2											
Check BOP & Run in 4 Bit #6 1:30 3:30 2						Drill						9:45 11:00 1 1/4											
Blow Kelly & Check in 20 Bit 3:30 4:30 1/2						Host bit # 6A + Blow Kelly						11:00 12:00 1											

Driller: L. S. Hieba

Driller: M. J. Smith

RIG MAINTENANCE: REAMING CLEANING: MNFR. DRILLING LINE IN USE REEL SERIAL No. DID YOU CHECK BLOWOUT PREVENTER EQUIPMENT TODAY  
 MISCELLANEOUS: WORKING PIPE: MNFR. OF KELLY HOSE IN USE HOSE SERIAL No. YES NO  
 CONDITION HOLE: LOST CIRC.:  
 YES NO

Time \_\_\_\_\_ hrs. Toolpusher: [Signature] Approved by \_\_\_\_\_

Form 3440 IOE SATH RIVER  
 G-72 67° 00' N 134° 00' W  
 LSD. SEC. TWN. RGE. W.

IOE SATH RIVER

IMPERIAL OIL LIMITED

Contractor *Peter Sawyer Rig #6* Type Rig *6*

1st Tour From: 12:00 Midnight To: 8:00 a.m.											2nd Tour From: 8:00 a.m. To: 4:00 p.m.												
DEPTH		From	To	Hole Made	Hole Size	Formation					From	To	Hole Made	Hole Size	Formation								
		597	647	50	12 1/4						647	715	68	12 1/4	Sand & Shale								
DRILLING STRING		Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.				Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.							
		4 1/2	2		24.31	433.93					4 1/2	2	2	33.02	433.93								
DRILL		Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL					DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL							
COLLAR		15	6 1/8	2 3/16	433.73	DRILLING STRING					COLLAR	15	6 1/8	2 3/16	433.73	DRILLING STRING							
DATA		53 M										DATA	53 M					95					
BIT RECORD		No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE		No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE					
		3A	YSI		2:30	15 1/4	607	20 M	192		4A	K2P	3:30	9:2	20 M	102							
		Bit Serial No. 9943 67 3385					Table R.P.M. 106					Bit Serial No. 3385 1					Table R.P.M.						
		Jet or Conventional - Conv.					Nozzle Size 3 1/16					Jet or Conventional - Conv.					Nozzle Size						
SURVEYS		Kind at Ft.				Deg. off							Kind at Ft.				Deg. off						
PUSH PUMP RECORD		HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size				HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size							
		On Line	Circulating	375	14	52	7 1/4				On Line	Circulating	375	14	52	6 1/2							
				8		CIRCULANK		14															
MUD RECORD		Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS				Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS							
		12:30	46	9.2	7.0	10.					9:00	57	7.4	6.6	10	Gel - 500							
		7:00	54	9.3	6.9	10.					11:00	47	7.3	7.	10	Pol-Tex - 100							
											1:00	40	7.3	7.2	7.5	Caustic 50							
											5:00	43	9.1	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							
DETAIL OF OPERATIONS AND REMARKS				From	To	Hrs.							From	To									
		R.C. SEA		12:00	12:30	1/2					Drilling 12 1/4 Hole		8:00	9:30									
		DRUG 12 1/4 Hole		12:30	2:00	1 1/2					Rig SERVICE CHECK BOP'S		9:30	10:00									
		THAW OUT A.K SYSTEM		2:00	3:00	1					Take SURVEY @ 663'		10:00	10:30									
		TRIP FOR W/B		3:00	3:30	2 1/2					Drilling 12 1/4 Hole		10:30	4:00									
		DRUG		5:30	8:00	2 1/2																	
		Driller <i>D. Hardie</i>										Driller <i>E. J. Hester</i>											

CLASSES OF TIME BREAKDOWN  
 HEADING UP & DRLG. OUT: TOTCO: CONDITIONING MUD: CASING: LOGGING: RIG MAINTENANCE: REAMING CLEANING: MNFR. DRILLING  
 DRILLING: FISHING: TRIPPING: W.O.C. W. O. ORDERS: MISCELLANEOUS: WORKING PIPE: MNFR. OF KELLY  
 REAMING: CIRCULATING: CORING: D.S. TESTING: RIG REPAIRS: CONDITION HOLE: LOST CIRC.:  
 Total Contract Time .....hrs. Total Company Time .....hrs. Toolpusher *Louis M...*



**IMPERIAL OIL LIMITED**

**DAILY DRILLING REPORT No. 7**

Contractor PETER SAWYER RIG #6 Type Rig Oil Well 648 Month JAN. Day 21 1967

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

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

From	To	Hole Made	Hole Size	Formation	From	To	Hole Made	Hole Size	Formation
647	715	68	12 1/4	SAND SHALE	715	752	37	12 1/4	

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4 1/2	2	2	33.02	433.93		4 1/2	269.79		40.70	433.93	8.19

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL
COLLAR	15	6 1/8	2 1/2	433.93		COLLAR	15	6 1/8	2 1/2	433.93	

DATA	DATA
SUBS 8.19	53 M 9.5 M
	55 M 45 M

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	Reamed	No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	Reamed
4A	K2P	3 AM	9 1/2		30 M	100			4A	K2P	3 AM	5:45 PM	11	726	20	117	-
									5A	M4N	8:10 AM	3 1/4			10-15	26	

Bit Serial No.	Table R.P.M.	Bit Serial No.	Table R.P.M.
33851	104 60	820263	150

Jet or Conventional	Nozzle Size	Jet or Conventional	Nozzle Size
Conventional		Conventional	

Kind	Feet	Deg. off	Kind	Feet	Deg. off
Totals	663	0°	Totals	726	1 1/2°

HOURS						Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
On Line	Circulating								
7		375	14	52	7 1/4				
	8	circ tank	14						

Time	Visc.	Wt.	WL	pH	ADDITIVES — POUNDS	Time	Visc.	Wt.	WL	pH	ADDITIVES — POUNDS
5:00	57	7.4	6.6	10	GEL - 500#	5:00	40	9.3	7.2	10	Barack 100#
5:30	42	9.3	7.	10	PELLET - 100#	9:00	99	4.5	11		
6:00	40	7.3	7.2	9.5	CAUSTIC 50#	11:00	42	7.3	10		
6:30	43	9.1	7.	10.5							

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

From	To	Hrs.	From	To	Hrs.		
Drilling 12 1/4 Hole	8:00	9:30	1 1/2	Drill 12 1/4 Hole	4:00	4:45	3/4
Rig SERVICE CHECK BOP'S	9:30	10:00	1/2	Rig service	4:45	5:00	1/4
TAKE SURVEY @ 663'	10:00	10:30	1/2	Drill	5:00	5:45	3/4
Drilling 12 1/4 Hole	10:30	4:00	5 1/2	Runway + flow Kelly	5:45	6:00	1/4
				Trip for new bit	6:00	8:00	2
				Ream + clean 40' to bottom	8:00	8:15	1/4
				Drill	8:15	12:00	3 3/4

Driller E. J. Hicks Driller W. Smith

RIG MAINTENANCE: REAMING CLEANING: MNFR. DRILLING LINE IN USE REEL SERIAL No. DID YOU CHECK BLOWOUT PREVENTER EQUIPMENT TODAY  
 MISCELLANEOUS: WORKING PIPE: MNFR. OF KELLY HOSE IN USE HOSE SERIAL No. YES NO  
 CONDITION HOLE: LOST CIRC.: YES NO

Time \_\_\_\_\_ hrs. Toolpusher Louis Abel Approved by \_\_\_\_\_

IOE SATAH RIVER  
G-72 67° 00' N 134° 00' W

IMPERIAL OIL LIMITED

LSD. SEC. TWN. RGE. W. Contractor *Peter ...* Type Rig *...*

1st Tour From: 12:00 Midnight To: 8:00 a.m.											2nd Tour From: 8:00 a.m. To: 4:00 p.m.												
DEPTH		From	To	Hole Made	Hole Size	Formation					From	To	Hole Made	Hole Size	Formation								
											420	529	109	12 1/4	<i>...</i>								
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.							
											5 1/2	1	-	26.64	43293								
DRILL		Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL					DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL							
COLLAR		DRILLING STRING					DRILL COLLARS					COLLAR	15	6 1/2	2 3/4	43293	DRILLING STRING DRILL C						
DATA												DATA	<i>...</i>										
BIT RECORD		No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE		No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOO					
		3A	YS1						Drilled	Reamed	3A	YS1	YAP	6 1/2	20.9	10.9		Drilled					
Bit Serial No.		994637					Table R.P.M.					Bit Serial No.		994867					Table R.P.M.				
Jet or Conventional		Conv.					Nozzle Size 0 1/2"					Jet or Conventional		Pump					Nozzle Size				
SURVEYS		Kind	at			Ft.		Deg. off				Kind	at			Ft.		Deg. off					
												1000	852			Ft.		Ys°					
PUSH PUMP RECORD		HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size				HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size							
No. 1		On Line	Circulating								No. 2		On Line	Circulating									
			4		14		7 1/4						6 1/2		275	14	5.8						
		6 1/2			14		6 1/2						8	0.150	14	6.2							
MUD RECORD		Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS				Time	Visc.	Wt.	W L	pH	ADDITIVES — POUN							
							Gel 3000				7:00	42	8.6	8.5	11	GEL 500							
							CAUSTIC 100				11:00	42	8.5	8.5	11								
							P.L.T. 200				1:00	28	8.8	8.6	10								
							GEL 150				3:00	40	8.7	8.4	11								
CORING		From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type Bbl.				From	To	Ft. Cored	Ft. Rec'd.	Core No.	Type							
DETAIL OF OPERATIONS AND REMARKS		From		To	Hrs.						From		To	Hrs.									
		CHANGED Kelly cock, installed		12	2:30	2 1/2					Rig 3rd Press Test Kelly Cock		8:00	8:30									
		GASKET on Core Valve		2:30	4:00	1 1/2					Pick up 20' 4-Hole valves in pump		5:30	7:00									
		Pressure formation to 200 psi OK									DRILL 12 1/4" Hole		9:00	1:00									
		Clean suction & SHAKER TANK									Take Survey @ 452		1:00	1:30									
		Displace Hole to water									DRILL 12 1/4" Hole		1:30	4:00									
		Sectioning mud		4:00	8:00	4																	
Driller		<i>...</i>					Driller					<i>...</i>											

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

Total Contract Time ..... hrs. Total Company Time ..... hrs. Toolpusher *...*

**IMPERIAL OIL LIMITED**

**DAILY DRILLING REPORT No. 8**

Contractor PETERSON SERVICE RIG #16 Type Rig 2A-250-64-B Month Jan Day 20 1957

2nd Tour From: **8:00 a.m.** To: **4:00 p.m.** 3rd Tour From: **4:00 p.m.** To: **12:00 p.m.**

From	To	Hole Made	Hole Size	Formation
420	529	109	12 1/4	Shale
529	597	68	12 1/4	Shale

Size-D.P.	Stands	Singles	Kelly in	Drill. Collar Ft.	Core Bbl. Ft.
5 1/2	1	-	26.64	433.93	
4 1/2			119.37	36.51	433.93

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL
DRILLING STRING	15	6 1/2	2 3/4	433.93	
DRILL COLLARS					

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE Drilled	Reamed
2A	YSI	9 AM		6 1/2	20 M	109		
3A	YSI	9 AM		13 1/4	20	182		

Bit Serial No. 894867 Table R.P.M. 75 Bit Serial No. 794367 Table R.P.M. 75

Kind Toteco at 452 Ft. 150 Deg. off 45 Kind Toteco at 560 Ft. 45 Deg. off 45

HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
On Line	Circulating				
6 1/2		275	14	58	7 1/4
8	on tank	14	62	6 1/2	
7 1/4		300	14	58	7 1/4
	on tank	14	62	6 1/2	

Time	Visc.	Wt.	WL	pH	ADDITIVES — POUNDS
8:00	42	8.6	8.8	11	GEL 500#
8:00	42	8.5	8.8	11	
8:00	42	8.8	8.6	10	
8:00	40	8.7	8.4	11	
8:00	38	8.7	7.0	9	GEL 700#
7:00	36	9.0	7.2	9	
9:00	42	9.0	7.2	9	
11:00	42	9.0	7.2	9	

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

From	To	Hrs.	Description	From	To	Hrs.	Description
Rig 3000 Press Test Kelly Cack	8:00	8:30	1/2	Rig service to check motor	4:00	4:15	1/4
Pick up 20' & correct valves in pump	8:30	9:00	1/2	about 450			
DRILL 12 1/4" Hole	9:00	1:00	4	Drill 12 1/4" hole	4:15	8:15	4
TAKE SURVEY @ 452	1:00	1:50	1/2	Running & service annular	8:15	8:45	1/2
DRILL 12 1/4" Hole	1:30	4:00	2 1/2	Drill	8:45	12:00	3 1/4

Driller A. S. Beck Driller A. J. Gavel

RIG MAINTENANCE: MISCELLANEOUS: CONDITION HOLE: REAMING CLEANING: WORKING PIPE: LOST CIRC.: MNFR. DRILLING LINE IN USE MNFR. OF KELLY HOSE IN USE REEL SERIAL No. HOSE SERIAL No. DID YOU CHECK BLOWOUT PREVENTER EQUIPMENT TODAY YES NO

Time \_\_\_\_\_ hrs. Toolpusher Louis Albi Approved by \_\_\_\_\_

Form 34402 (300 lbs.) (Rev. 1-64) **IOE SATAH RIVER**

**IOE SATAH RIVER**

**IMPERIAL OIL LIMITED**

G-72 67° 00' N 134° 00' W G-72 67° 00' N 134° 00' W

Contractor **PETER BAWDEN #16** Type Rig **D.H.**

LSD. SEC. TWN. RGE. W.

1st Tour From: <b>12:00</b> Midnight To: <b>8:00</b> a.m.						2nd Tour From: <b>8:00</b> a.m. To: <b>4:00</b> p.m.							
DEPTH		From	To	Hole Made	Hole Size	Formation	DEPTH		From	To	Hole Made	Hole Size	Formation

DRILLING STRING						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.
									37.00	340.01	
DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL
COLLAR					DRILLING STRING	COLLAR	12	6 1/2	2 7/8	340.01	DRILLING STRING
DATA					DRILL COLLARS	DATA					38 000

BIT RECORD										BIT RECORD									
No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE			No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE		
							Drilled	Reamed									Drilled	Reamed	
Bit Serial No.										Bit Serial No. <b>394637</b>									
Jet or Conventional -										Jet or Conventional -									

SURVEYS							SURVEYS						
Kind	at		Ft.		Deg. off		Kind	at		Ft.		Deg. off	
HOURS							HOURS						
On Line	Circulating		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	On Line	Circulating		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
						7 1/4							6 1/2

MUD RECORD							MUD RECORD						
Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS		Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	

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

DETAIL OF OPERATIONS AND REMARKS						DETAIL OF OPERATIONS AND REMARKS					
			From	To	Hrs.				From	To	Hrs.
Pressure blow same to 1000			12:00	12:15	1/4	Line wire			8:00	8:15	1/4
PSI For 15 min Hold OK						Line wire			8:15	10:30	2:15
D.C. Mouse Hbl			12:00	8:00	7:31/4	Pump 4" stroke			10:30	12:00	1:30
						Work on collar			12:00	2:00	2:00
						Run on all pipe @ 3:00			2:00	4:00	2:00

Driller **George H. ...** Driller **L. S. ...**

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

Total Contract Time ..... hrs. Total Company Time ..... hrs. Toolpusher **Louis ...**

**IMPERIAL OIL LIMITED**

DAILY DRILLING REPORT No. 7

Contractor PETER BAWDEN #16 Type Rig Oilwell 64B Month JAN Day 19 1967

2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

From	To	Hole Made	Hole Size	Formation	From	To	Hole Made	Hole Size	Formation
	<u>414</u>				<u>414</u>	<u>420</u>	<u>6</u>	<u>12 1/2</u>	

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
			<u>37.00</u>	<u>340.01</u>		<u>4 1/2</u>	<u>310</u>		<u>40.70</u>	<u>340.01</u>	<u>7.02</u>

DRILL Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL
<u>12</u>	<u>6 1/2</u>	<u>2 3/8</u>	<u>340.01</u>		<u>12</u>	<u>6 1/2</u>	<u>2 3/8</u>	<u>340.01</u>	

COLLAR	DRILLING STRING	DRILL COLLARS	COLLAR	DRILLING STRING	DRILL COLLARS
<u>12</u>			<u>12</u>	<u>42 M</u>	<u>42 M</u>

DATA						DATA					
	<u>32 000</u>	<u>24 000</u>									

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
<u>1</u>	<u>YSI</u>								<u>3A</u>	<u>YSI</u>	<u>7:00 PM</u>		<u>4 1/2</u>	<u>6.8</u>		<u>6</u>	

Bit Serial No.	Table R.P.M.	Bit Serial No.	Table R.P.M.
<u>904637</u>		<u>994637</u>	<u>60</u>

Jet or Conventional	Nozzle Size	Jet or Conventional	Nozzle Size
<u>Jet</u>		<u>Jet</u>	

Kind	at	Ft.	Deg. off	Kind	at	Ft.	Deg. off

HOURS						Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
On Line	Circulating		Pump Press	Length of Pump Stroke	Strokes Per Min.				
				<u>200</u>	<u>14</u>	<u>75</u>	<u>7 1/4</u>		
				<u>8</u>	<u>14</u>		<u>6 1/2</u>		

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
					<u>Pump test Hybrid 1000 psi OK</u>						
					<u>4 1/2 Ram " YSI</u>						
					<u>for 10 min OK</u>						

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

	From	To	Hrs.		From	To	Hrs.
<u>his service</u>	<u>8:00</u>	<u>8:15</u>	<u>1/4</u>	<u>Head up BOP's + pressure test</u>	<u>4:00</u>	<u>7:30</u>	<u>3 1/2</u>
<u>found more hole</u>	<u>8:15</u>	<u>10:30</u>	<u>2 1/2</u>	<u>Washover + 4 1/2 pipe run to</u>			
<u>Repair 4" down valve</u>	<u>10:30</u>	<u>12:00</u>	<u>1 1/2</u>	<u>1000 PSI for 10 min (OK)</u>			
<u>Work on collar</u>	<u>12:00</u>	<u>2:00</u>	<u>2</u>	<u>Drill out plug</u>	<u>7:30</u>	<u>11:30</u>	<u>4</u>
<u>Run in all plus @ 3:00</u>	<u>2:00</u>	<u>4:00</u>	<u>2</u>	<u>Washover + pull up rock</u>	<u>11:30</u>	<u>12:00</u>	<u>1/2</u>

Driller A. S. [Signature] Driller [Signature]

ORDERS: RIG MAINTENANCE: REAMING CLEANING: MNFR. DRILLING LINE IN USE REEL SERIAL No. DID YOU CHECK BLOWOUT PREVENTER EQUIPMENT TODAY  
 MISCELLANEOUS: WORKING PIPE: MNFR. OF KELLY HOSE IN USE HOSE SERIAL No. YES NO  
 CONDITION HOLE: LOST CIRC.:

Time .....hrs. Toolpusher [Signature] Approved by .....



**IMPERIAL OIL LIMITED**

DAILY DRILLING REPORT No. 6

Contractor PETER BAURENT 16 Type Rig DH WELL 648 Month JAN 19 Day 17 1967

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

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

From	To	Hole Made	Hole Size	Formation
<u>915</u>				

From	To	Hole Made	Hole Size	Formation
<u>415</u>				

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

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

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

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

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. \_\_\_\_\_

Jet or Conventional - \_\_\_\_\_ Nozzle Size \_\_\_\_\_

Jet or Conventional - \_\_\_\_\_ Nozzle Size \_\_\_\_\_

Kind	at	Ft.	Deg. off

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

Kind	at	Ft.	Deg. off

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

Time	Visc.	Wt.	WL	pH	ADDITIVES — POUNDS

Time	Visc.	Wt.	WL	pH	ADDITIVES — POUNDS

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

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

	From	To	Hrs.
<u>HEAD up BOP's</u>	<u>8:00</u>	<u>4:00</u>	<u>8</u>

	From	To	Hrs.
<u>Head up BOP's</u>	<u>4:00</u>	<u>12:00</u>	<u>8:00</u>

Driller: B. J. Harts

Driller: W. J. Smith

RIG MAINTENANCE: \_\_\_\_\_ REAMING CLEANING: \_\_\_\_\_ MNFR. DRILLING LINE IN USE \_\_\_\_\_ REEL SERIAL No. \_\_\_\_\_ DID YOU CHECK BLOWOUT PREVENTER EQUIPMENT TODAY \_\_\_\_\_  
 MISCELLANEOUS: \_\_\_\_\_ WORKING PIPE: \_\_\_\_\_ HOSE SERIAL No. \_\_\_\_\_ YES \_\_\_\_\_ NO \_\_\_\_\_  
 CONDITION HOLE: \_\_\_\_\_ LOST CIRC.: \_\_\_\_\_ MNFR. OF KELLY HOSE IN USE \_\_\_\_\_

Day Time \_\_\_\_\_ hrs. Toolpusher Louis Phil Approved by \_\_\_\_\_





**IMPERIAL OIL LIMITED**

DAILY DRILLING REPORT No. 5

Contractor Peter Bowden #15 Type Rig 64 B Oilwell Month Jan Day 17 1967

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

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

From	To	Hole Made	Hole Size	Formation

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

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL

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.

Kind	at	Ft.	Deg. off

Time	Visc.	Wt.	WL	pH	ADDITIVES — POUNDS

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

From	To	Hrs.
<u>W. O. C.</u>	<u>8<sup>00</sup></u>	<u>4<sup>00</sup></u>

Driller Bruce Hardie

RIG MAINTENANCE: REAMING CLEANING: MNR. DRILLING LINE IN USE REEL SERIAL No. DID YOU CHECK BLOWOUT PREVENTER EQUIPMENT TODAY

Time \_\_\_\_\_ hrs. Toolpusher Louis Wood Approved by \_\_\_\_\_

IOE SATAH RIVER

G-72 67° 00' N 100°

IMPERIAL OIL LIMITED

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

Contractor Peter Boush #11 Type Rig 64

1st Tour From: 12:00 Midnight To: 8:00 a.m.						2nd Tour From: 8:00 a.m. To: 4:00 p.m.					
DEPTH	From	To	Hole Made	Hole Size	Formation	From	To	Hole Made	Hole Size	Formation	
	375	415		17 1/2							

DRILLING STRING	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core-Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core-Bbl. Ft.
	4 1/2		-	35.00	371.31	7.04						
	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL
COLLAR	13	6 1/4	2 1/8	371.31	DRILLING STRING	DRILL COLLARS						
DATA					44 M	44 M						

BIT RECORD	No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE		No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE		
	2A	Reamer			21 3/4	415	20		Drilled	Reamed								Drilled	Reamed
Bit Serial No. ?										Table R.P.M. 160									
Jet or Conventional - <u>Con</u>										Nozzle Size -									

PUSH PUMP RECORD	Kind	at	Ft.	Deg. off	Kind	at	Ft.	Deg. off				
	HOURS				HOURS							
	On Line	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	On Line	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
No. 1	8		400	14	50	7 1/4						
No. 2		8	200	14	50	6 1/2						

MUD RECORD	Time	Visc.	Wt.	W L	pH	ADDITIVES - POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES - POUNDS
	1:00	64										
	3:00	76										
	6:00	70										

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

DETAIL OF OPERATIONS AND REMARKS	From	To	Hrs.	From	To	Hrs.
	12:00	1:30	1 1/2	12:00	1:30	1 1/2
Ream 12 1/4 To 17 1/2" hole						
Tool gelled in liner (Thaw out)	1:30	2:00	1/2			
Ream	2:00	4:00	2			
Circulate & wash hole	4:00	4:30	1/2			
Remove Trip	4:30	5:45	1 1/4			
Circulate & wash hole for casing	5:45	7:00	1 1/4			
Wait for casing	7:00	7:45	3/4			
Prep to run casing	7:45	8:00	1/4			

Driller: At [Signature] Driller: Lowes [Signature]

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

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

**IMPERIAL OIL LIMITED**

**DAILY DRILLING REPORT No. 7**

Contractor Peter Brandon #15 Type Rig 64B Oilwell Month Jan Day 16 1957

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

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

From	To	Hole Made	Hole Size	Formation	From	To	Hole Made	Hole Size	Formation

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

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL

COLLAR	DRILLING STRING	DRILL COLLARS	COLLAR	DRILLING STRING	DRILL COLLARS

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.

Jet or Conventional -	Nozzle Size	Jet or Conventional -	Nozzle Size

Kind	at	Ft.	Deg. off	Kind	at	Ft.	Deg. off

HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
On Line	Circulating				
	14		14		7 1/4
8			14		6 1/2

Time Visc. Wt. WL pH ADDITIVES — POUNDS

Time Visc. Wt. WL pH ADDITIVES — POUNDS

*Ran 10 hrs 10 3/4 545 585 etc. Rec 2 6 1/2 S*  
*Stuck at 11:45 hrs. Rec 1 1/2 S*  
*Completed with 3 25 lbs. green T 3 5/8 OAC 2*  
*Pull down @ 9:30 PM Jan 16/57*

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

From	To	Hrs.	From	To	Hrs.
Rig To Run	4:00 AM	6:00	Core run up to cement	4:00	6:00
RAW CASING	7:30	3 1/2	Run Pipe	6:00	9:00
INSTALLED CIRC. HEAD, Blow Hole	3:00	3 1/2	Run cementing unit down	9:30	
CIRC CASING	3:00	4:00	up rig	12:00	2 1/2

Driller Louis Furdie Driller Louis Furdie

RIG MAINTENANCE:  REAMING CLEANING:  MNR. DRILLING LINE IN USE  REEL SERIAL No.  DID YOU CHECK BLOWOUT PREVENTER EQUIPMENT TODAY  
 ORDERS: MISCELLANEOUS:  WORKING PIPE:  HOSE SERIAL No.  YES  NO  
 IRS: CONDITION HOLE:  LOST CIRC.:  MNR. OF KELLY HOSE IN USE

Time .....hrs. Toolpusher Louis Furdie Approved by .....

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

Contractor Peter Bowden #16 Type Rig Oil

1st Tour From: **12:00** Midnight To: **8:00** a.m.      2nd Tour From: **8:00** a.m. To: **4:00** p.m.

DEPTH	1st Tour					2nd Tour				
	From	To	Hole Made	Hole Size	Formation	From	To	Hole Made	Hole Size	Formation
	419	191	160'	17 1/2"	sand + shale	191	333	17 1/2"	14 1/2"	

DRILLING STRING	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
	4 1/2"			40.70	141.20		4 1/2"			12.25	310.61	
	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL
	COLLAR	5	6 1/4"	2 1/8"	141.20	DRILLING STRING	COLLAR	11	6 1/8"	2 1/8"	310.61	DRILLING STRING
DATA				25	25	DATA				39 M	35	

BIT RECORD	No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE		No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE		
	2A	Reamer	9 15 PM		6 3/4		10		191		2A	SEC	9 15 PM		14 1/2		30		
	Bit Serial No. ?					Table R.P.M. 160					Bit Serial No. RR					Table R.P.M.			
Jet or Conventional -					Nozzle Size					Jet or Conventional - CONV					Nozzle Size				

SURVEYS	Kind	at	Ft.	Deg. off	Kind	at	Ft.	Deg. off

PUSH PUMP RECORD	HOURS					Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURS							
	On Line		Circulating							On Line		Circulating					
	No. 1	8								400	14	60	7 1/4"	7 3/4			
No. 2		8			500	14	50	6	7 3/4					500	14	55	

MUD RECORD	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS					Time	Visc.	Wt.	W L	pH	ADDITIVES — POUND					
	1:00	70										8:15	78								
	2:00	74										11:00	83								
	3:00	74										1:15	96								
	7:00	78										3:00	105								

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

DETAIL OF OPERATIONS AND REMARKS	From	To	Hrs.	From	To	
	Repair swivel	12:00	2:30	2 1/2	R & S EA	
	Blow Kelly + run in hole	2:30	3:00	1/2	Reamer 12 1/4" To 17 1/2" hole	8:00
	Ream 12 1/4 To 17 1/2 hole	3:00	4:00	1		8:15
	Check valves in #2 pump	4:00	4:30	1/2		4:00
Ream	4:30	8:00	3 1/2			

Driller M. Smith

Driller B. Hardie

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

Total Contract Time .....hrs.      Total Company Time .....hrs.      Toolpusher James White

**IMPERIAL OIL LIMITED**

**DAILY DRILLING REPORT No. 3**

Contractor Peter Bowden #16 Type Rig Oilwell 64 B Month Jan Day 15 1967

2nd Tour From: **8:00 a.m.** To: **4:00 p.m.** 3rd Tour From: **4:00 p.m.** To: **12:00 p.m.**

From	To	Hole Made	Hole Size	Formation	From	To	Hole Made	Hole Size	Formation
191	333	17 1/2	14 1/2		419	375	4 1/2	12 1/2	201 F.A.C.

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			12.25	310.61					24.25	240.01	

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL
COLLAR	11	6 1/8	2 3/16	310.61	DRILLING STRING	COLLAR	12	6 1/8	2 3/16	340.01	DRILLING STRING
DATA					39 M	DATA					44 M

No.	Type	Time On Bottom At	Time Pulled At	Total Hours Run	Depth Pulled	Weight On Bit M Pounds	FOOTAGE	
							Drilled	Reamed
2A	SEC	9:15 AM		14 1/2		30		333
2A								30 M

Bit Serial No. RR Table R.P.M. 190 Jet or Conventional - CONV Nozzle Size open

HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
On Line	Circulating				
7 3/4		750	14	57	7 1/4
		500	14	55	6 1/2

Time	Visc.	Wt.	WL	pH	ADDITIVES — POUNDS
15	78				
100	83				
15	96				
3:00	105				

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

From	To	Hrs.	From	To	Hrs.
8:00	8:15	1/4	8:00	9:15	1 1/4
8:15	4:00	7 3/4	4:15	6:45	2 1/2
			6:45	7:45	1
			7:45	8:45	1
			8:45	9:45	1
			9:45	11:45	2
			11:45	12:00	1/4

Driller: B. Hardie Driller: C. S. Hicks

RIG MAINTENANCE: MISCELLANEOUS: CONDITION HOLE: REAMING CLEANING: WORKING PIPE: LOST CIRC.: MNR. DRILLING LINE IN USE MNR. OF KELLY HOSE IN USE REEL SERIAL No. HOSE SERIAL No. DID YOU CHECK BLOWOUT PREVENTER EQUIPMENT TODAY YES NO

Time \_\_\_\_\_ hrs. Toolpusher \_\_\_\_\_ Approved by \_\_\_\_\_



DRILLING CONTRACTOR'S DAILY REPORT

WELL NO. 101 LEASE 101 DATE 4-22-73  
 SEC. 10 T. 10 R. 10 PROVINCE 10 CONTRACTOR 10

TIME BY DRILLERS		SHOW COMPLETE CASING, CORING AND SLOPE TEST RECORDS AND ALL DELAYS OR LOST TIME WITH REASONS. DRILLERS ACCOUNT FOR FULL 24 HOURS ON THE LEFT INDICATING CLEARLY EACH CHANGE IN DRILLING OPERATIONS. TOOL PUSHER OR OTHER REPRESENTATIVE OF CONTRACTOR. SHOW ON THE RIGHT ALL TIME CHARGEABLE TO THE COMPANY ON A DAY WORK BASIS. INVOICE MUST CHECK WITH TIME SHOWN ON THE RIGHT.	TIME CHARGEABLE TO THE COMPANY						
FROM	TO		WITH DRILL PIPE		WITHOUT DRILL PIPE		OTHER		
			HRS.	MIN.	HRS.	MIN.	HRS.	MIN.	
1700	1800	Run 50' - 2 1/2" pipe							
1800	300	Run 100' - 2 1/2" pipe							
300	415	TAKE OUT 7 1/2" - 1 1/2" pipe							
415	440	Run 100' - 2 1/2" pipe							
440	630	Run 100' - 2 1/2" pipe							
630	730	Run 100' - 2 1/2" pipe							
730	800	Drill 100' to 1470' depth							
800	945	Lost time drilling							
945	900	50' log & bits							
900	215	Drilling							
215	245	WORK TIGHT HOLE							
245	400	DRILLING							
400	415	SERVICE RIG							
415	430	DRILLING							
430	1200	STUCK AT 1470 WORK STOP							

DEVIATION RECORD	DEPTH	SURVEY	DEPTH	SURVEY	HRS.	MIN.	HRS.	MIN.	HRS.	MIN.
					TOTAL TIME CHARGEABLE TO THE COMPANY					
					DAY WORK PER 24 HOUR DAY					

BIT RECORD	BIT NUMBER	SIZE	TYPE	SERIAL NUMBER	DEPTH IN	DEPTH OUT	STAGE	HRS RUN	R.P.M.	BIT WEIGHT	PUMP PRESSURE	PUMP NO.	S.P.M.	LINER SIZE	NUMBER AND SIZE DRILL COLLARS
		5	6 1/2	SSS	8W455	110	110	60	74	45	20				

MUD RECORD:								MUD ADDITIVES:			SWAB CUPS:			OIL SAVER RUBBERS:		
TIME	WEIGHT	VISCOSITY	WATER LOSS	FILTER CAKE	PH	SAND CONTENT		AMOUNT	TYPE	TIME	NUMBER	SIZE	TYPE	NUMBER	SIZE	TYPE
2 1/2	42							4	SSS							
								14	SSS							

DEPTH END FIRST TOUR 1412      DEPTH END SECOND TOUR 1470      DEPTH END THIRD TOUR 1470  
 CONTRACT DRILLER OR WATCHMAN \_\_\_\_\_      CONTRACT DRILLER OR WATCHMAN \_\_\_\_\_      CONTRACT DRILLER OR WATCHMAN \_\_\_\_\_

TIME CHARGEABLE TO THE COMPANY IS APPROVED \_\_\_\_\_  
 CONTRACTOR'S REPRESENTATIVE \_\_\_\_\_      COMPANY'S REPRESENTATIVE \_\_\_\_\_      COMPANY FOREMAN OR SUPERINTENDENT R. E. Jones



DRILLING CONTRACTOR'S DAILY REPORT

WELL NO. 516 LEASE Gulf Field DATE 7-6-73 19 73  
 SEC. 100 T. 712 R. 14 PROVINCE Arkansas CONTRACTOR ...

TIME BY DRILLERS		SHOW COMPLETE CASING, CORING AND SLOPE TEST RECORDS AND ALL DELAYS OR LOST TIME, WITH REASONS. DRILLERS ACCOUNT FOR FULL 24 HOURS ON THE LEFT INDICATING CLEARLY EACH CHANGE IN DRILLING OPERATIONS. TOOL PUSHER OR OTHER REPRESENTATIVE OF CONTRACTOR, SHOW ON THE RIGHT ALL TIME CHARGEABLE TO THE COMPANY ON A DAY WORK BASIS. INVOICE MUST CHECK WITH TIME SHOWN ON THE RIGHT.	TIME CHARGEABLE TO THE COMPANY							
FROM	TO		WITH DRILL PIPE		WITHOUT DRILL PIPE		OTHER			
			HRS.	MIN.	HRS.	MIN.	HRS.	MIN.		
12:00	1:15	Run Service + 2.00								
12:15	1:15	Wait on water								
1:15	4:45	Drilling blind								
4:45	6:30	Wait on water								
6:30	8:30	Drilling blind								
8:30	8:45	Set rig + 5.00								
8:45	9:00	Survey								
9:00	6:45	Drilling blind								
6:45	7:00	Service rig								
7:00	11:15	Drilling								
11:15	12	mix GCL								

*Use 30% amount in next 24 hr.*

DEVIATION RECORD	DEPTH	SURVEY	DEPTH	SURVEY	TOTAL TIME CHARGEABLE TO THE COMPANY		HRS.	MIN.	HRS.	MIN.	HRS.	MIN.
	1300	11/20					24	00				
					DAY WORK PER 24 HOUR DAY		24	00				

BIT NUMBER	SIZE	TYPE	SERIAL NUMBER	DEPTH IN	DEPTH OUT	FOOTAGE DRILLED	HRS RUN	R.P.M.	BIT WEIGHT	PUMP PRESSURE	PUMP NO.	S.P.M.	LINER SIZE	NUMBER AND SIZE DRILL COLLARS	
														NUMBER	SIZE
1	6 1/2	SSS	1158	1158											

MUD RECORD:							MUD ADDITIVES			SWAB CUPS			OIL SAVER RUBBERS:		
TIME	WEIGHT	VISCOSITY	WATER LOSS	FILTER CAKE	PH	SAND CONTENT	AMOUNT	TYPE	TIME	NUMBER	SIZE	TYPE	NUMBER	SIZE	TYPE
							GCL								

DEPTH END FIRST TOUR	12:45	DEPTH END SECOND TOUR	1:60	DEPTH END THIRD TOUR	1:10
CONTRACT DRILLER OR WATCHMAN		CONTRACT DRILLER OR WATCHMAN		CONTRACT DRILLER OR WATCHMAN	

TIME CHARGEABLE TO THE COMPANY IS APPROVED \_\_\_\_\_  
 CONTRACTOR'S REPRESENTATIVE \_\_\_\_\_ COMPANY'S REPRESENTATIVE \_\_\_\_\_  
 \_\_\_\_\_ COMPANY FOREMAN OR SUPERINTENDENT



**DRILLING CONTRACTOR'S DAILY REPORT**

WELL NO. C16 LEASE WEST BLAVER CROW DATE FEB 21 19 70  
 SEC. \_\_\_\_\_ T. \_\_\_\_\_ R. \_\_\_\_\_ PROVINCE YUKON TERR CONTRACTOR CONTRACTOR # 342

TIME BY DRILLERS		SHOW COMPLETE CASING, CORING AND SLOPE TEST RECORDS AND ALL DELAYS OR LOST TIME WITH REASONS. DRILLERS ACCOUNT FOR FULL 24 HOURS ON THE LEFT INDICATING CLEARLY EACH CHANGE IN DRILLING OPERATIONS. TOOL PUSHER, OR OTHER REPRESENTATIVE OF CONTRACTOR, SHOW ON THE RIGHT ALL TIME CHARGEABLE TO THE COMPANY ON A DAY WORK BASIS. INVOICE MUST CHECK WITH TIME SHOWN ON THE RIGHT.	TIME CHARGEABLE TO THE COMPANY								
FROM	TO		WITH DRILL PIPE		WITHOUT DRILL PIPE		OTHER				
			HRS.	MIN.	HRS.	MIN.	HRS.	MIN.			
12 <sup>00</sup>	12 <sup>15</sup>	SECURE RIG & COILS									
12 <sup>15</sup>	2 <sup>00</sup>	BIT PLUGGED TRIP OUT									
2 <sup>00</sup>	2 <sup>30</sup>	UNPLUG BIT MAKE UP MAG. BIT									
2 <sup>30</sup>	2 <sup>45</sup>	CHECK BLIND RAMS									
2 <sup>45</sup>	3 <sup>30</sup>	PUMP 40 BRLS LOSS MAT VISIT PAPER LOST CTR									
3 <sup>30</sup>	5 <sup>00</sup>	TRIP IN WITH BIT									
5 <sup>00</sup>	5 <sup>30</sup>	CLEAN 1019 TO BOTTOM (LOST MAG SLIP PIE IN HOLE)									
5 <sup>30</sup>	7 <sup>00</sup>	TRIP OUT									
7 <sup>00</sup>	6 <sup>30</sup>	MAKE UP MAG NET SLIP IN HOLE									
<del>8<sup>00</sup></del>	<del>8<sup>30</sup></del>	<del>START TRIP</del>									
8 <sup>30</sup>	9 <sup>00</sup>	SECURE RIG									
9 <sup>00</sup>	9 <sup>00</sup>	FIXING IN SHOE									
9 <sup>00</sup>	7 <sup>30</sup>	FIXING									
9 <sup>30</sup>	11 <sup>00</sup>	TRIP IN WITH MAG.									
11 <sup>00</sup>	12 <sup>00</sup>	RUN IN WITH BIT									
12 <sup>00</sup>	12 <sup>30</sup>	DRESS CIRC. REWORKS									
12 <sup>30</sup>	5 <sup>00</sup>	DRILLING									
5 <sup>00</sup>	5 <sup>15</sup>	SECURE RIG & COILS									
5 <sup>15</sup>	11 <sup>45</sup>	DRILLING									
11 <sup>45</sup>	12 <sup>00</sup>	STOP WORK. WATER 3000 - RIG.									

DEVIATION RECORD	DEPTH	SURVEY	DEPTH	SURVEY	HRS.	MIN.	HRS.	MIN.	HRS.	MIN.
					TOTAL TIME CHARGEABLE TO THE COMPANY					
						DAY WORK PER 24 HOUR DAY <u>2400</u>				

BIT RECORD	BIT NUMBER	SIZE	TYPE	SERIAL NUMBER	DEPTH IN	DEPTH OUT	STAKE UNLAD	HRS. RUN	R.P.M.	BIT WEIGHT	PUMP PRESSURE	PUMP NO.	S.P.M.	LINER SIZE	NUMBER AND SIZE DRILL COLLARS

MUD RECORD:							MUD ADDITIVES:			SWAB CUPS:			OIL SAVER RUBBERS:		
TIME	WEIGHT	VISCOSITY	WATER LOSS	FILTER CAKE	PH	SAND CONTENT	AMOUNT	TYPE	TIME	NUMBER	SIZE	TYPE	NUMBER	SIZE	TYPE
							1050LBS		12.00						

DEPTH END FIRST TOUR \_\_\_\_\_ DEPTH END SECOND TOUR 1176 DEPTH END THIRD TOUR \_\_\_\_\_  
 CONTRACT DRILLER OR WATCHMAN \_\_\_\_\_ CONTRACT DRILLER OR WATCHMAN \_\_\_\_\_ CONTRACT DRILLER OR WATCHMAN \_\_\_\_\_

TIME CHARGEABLE TO THE COMPANY IS APPROVED \_\_\_\_\_  
 CONTRACTOR'S REPRESENTATIVE \_\_\_\_\_ COMPANY'S REPRESENTATIVE \_\_\_\_\_ COMPANY FOREMAN OR SUPERINTENDENT R E Ullrich





DRILLING CONTRACTOR'S DAILY REPORT

WELL NO. 116 LEASE WLF of the West Bend DATE Feb 20 19 40  
 SEC. 700 T. 210 R. \_\_\_\_\_ PROVINCE Yokoh CONTRACTOR ...

TIME BY DRILLERS		SHOW COMPLETE CASING, CORING AND SLOPE TEST RECORDS AND ALL DELAYS OR LOST TIME. WITH REASONS. DRILLERS ACCOUNT FOR FULL 24 HOURS ON THE LEFT INDICATING CLEARLY EACH CHANGE IN DRILLING OPERATIONS. TOOL PUSHER OR OTHER REPRESENTATIVE OF CONTRACTOR. SHOW ON THE RIGHT ALL TIME CHARGEABLE TO THE COMPANY ON A DAY WORK BASIS. INVOICE MUST CHECK WITH TIME SHOWN ON THE RIGHT.	TIME CHARGEABLE TO THE COMPANY						
FROM	TO		WITH DRILL PIPE		WITHOUT DRILL PIPE		OTHER		
			HRS.	MIN.	HRS.	MIN.	HRS.	MIN.	
12:00	12:30	Finish in 2nd Bit - 2							
12:30	12:45	Rig Set							
12:45	1:45	Mix mud with 1st batch mud							
1:45	8:15	Drilling							
8:15	8:30	Last bit mix 2nd batch mud							
8:30	9:30	Rig set 4 bits							
9:30	10:00	Mix 2nd batch mud							
10:00	12:00	2 Pump Down 1st 1st Returns							
12:00	12:00	Mix 2nd							
12:00	1:00	DRILLING							
1:00	2:00	WAIT ON WATER							
2:00	3:00	DRILLING							
3:00	3:30	WAIT ON WATER							
3:30	4:00	DRILLING							
4:00	5:00	NO WATER SERVICE RIG 1/2 hr							
5:00	6:30	DRILLING							
6:30	8:00	WAIT ON WATER							
8:00	8:45	DRILLING							
8:45	9:15	WAIT ON WATER							
9:15	11:45	MIX BATCH MUD							
11:45	12:00	PUMP BATCH MUD IN WELL							

1 TRUCK TRAILING  
 (2 BAYS)  
 TRIP (22 MIN)

DEVIATION RECORD	DEPTH	SURVEY	DEPTH	SURVEY	HRS.	MIN.	HRS.	MIN.	HRS.	MIN.
					TOTAL TIME CHARGEABLE TO THE COMPANY					
					DAY WORK PER 24 HOUR DAY					
					2400					

BIT NUMBER	SIZE	TYPE	SERIAL NUMBER	DEPTH IN	DEPTH OUT	FOOTAGE UNITED	HRS. RUN	R. P. M.	BIT WEIGHT	PUMP PRESSURE	PUMP NO.	S. P. M.	LINER SIZE	NUMBER AND SIZE DRILL COLLARS
3	6 1/4	11/38	236541081											

MUD RECORD:						MUD ADDITIVES:			SWAB CUPS:			OIL SAVER RUBBERS:			
TIME	WEIGHT	VISCOSITY	WATER LOSS	FILTER CAKE	PH	SAND CONTENT	AMOUNT	TYPE	TIME	NUMBER	SIZE	TYPE	NUMBER	SIZE	TYPE
	2.1						22	Super							
	2.1						15	GEL	10						

DEPTH END FIRST TOUR: 11 26 CONTRACT DRILLER OR WATCHMAN: [Signature]  
 DEPTH END SECOND TOUR: 11 26 CONTRACT DRILLER OR WATCHMAN: [Signature]  
 DEPTH END THIRD TOUR: \_\_\_\_\_ CONTRACT DRILLER OR WATCHMAN: \_\_\_\_\_  
 TIME CHARGEABLE TO THE COMPANY IS APPROVED: \_\_\_\_\_ CONTRACTOR'S REPRESENTATIVE: \_\_\_\_\_  
 COMPANY'S REPRESENTATIVE: \_\_\_\_\_ COMPANY FOREMAN OR SUPERINTENDENT: R. E. White



### DRILLING CONTRACTOR'S DAILY REPORT

WELL NO. BIC LEASE ... DATE ... 19...  
 SEQ. 200 T. 710 R. ... PROVINCE ... CONTRACTOR ...

TIME BY DRILLERS		SHOW COMPLETE CASING, CORING AND SLOPE TEST RECORDS AND ALL DELAYS OR LOST TIME, WITH REASONS. DRILLERS ACCOUNT FOR FULL 24 HOURS ON THE LEFT INDICATING CLEARLY EACH CHANGE IN DRILLING OPERATIONS. TOOL PUSHER, OR OTHER REPRESENTATIVE OF CONTRACTOR, SHOW ON THE RIGHT ALL TIME CHARGEABLE TO THE COMPANY ON A DAY WORK BASIS. INVOICE MUST CHECK WITH TIME SHOWN ON THE RIGHT.	TIME CHARGEABLE TO THE COMPANY					
			WITH DRILL PIPE		WITHOUT DRILL PIPE		OTHER	
FROM	TO		HRS.	MIN.	HRS.	MIN.	HRS.	MIN.
12:00	12:15	Drilling						
12:15	12:30	Run Sand						
12:30	1:00	Drilling						
1:00	2:00	Run Sand						
2:00	4:00	Drilling						
4:00	4:30	Survey						
4:30	9:00	Drilling						
9:00	9:15	Run Sand + Tools						
9:15	11:00	Drilling						
11:00	12:00	MIX SAND						
12:00	12:30	PUMP DOWN TOOLS						
12:30	1:05	TRIP						
1:45	4:00	UNPLUGGING COLLARS ULTIMATE DC						
4:00	10:00	UNPLUGGING COLLARS ULTIMATE DC						
10:00	10:30	LOT DOWN TO DC 1 D.P						
10:30	11:00	PEK 20 4 D.P						
11:00	12:00	RUN IN WITH BIT # 3						

DEVIATION RECORD	DEPTH	SURVEY	DEPTH	SURVEY	HRS.	MIN.	HRS.	MIN.	HRS.	MIN.

TOTAL TIME CHARGEABLE TO THE COMPANY  
 DAY WORK PER 24 HOUR DAY 24 00

BIT NUMBER	SIZE	TYPE	SERIAL NUMBER	DEPTH IN	DEPTH OUT	GAGE (IN)	HRS. RUN	R.P.M.	BIT WEIGHT	PUMP PRESSURE	PUMP NO.	S.P.M.	LINER SIZE	NUMBER AND SIZE DRILL COLLARS	
														NUMBER	SIZE
2	1 1/2	...	...	700											

MUD RECORD:					MUD ADDITIVES:			SWAB CUPS:			OIL SAVER RUBBERS:				
TIME	WEIGHT	VISCOSITY	WATER LOSS	FILTER CAKE	PH	SAND CONTENT	AMOUNT	TYPE	TIME	NUMBER	SIZE	TYPE	NUMBER	SIZE	TYPE

DEPTH END FIRST TOUR 1254      DEPTH END SECOND TOUR 1257      DEPTH END THIRD TOUR 1030  
 CONTRACT DRILLER OR WATCHMAN ...      CONTRACT DRILLER OR WATCHMAN ...      CONTRACT DRILLER OR WATCHMAN ...

TIME CHARGEABLE TO THE COMPANY IS APPROVED  
 CONTRACTOR'S REPRESENTATIVE ...      COMPANY'S REPRESENTATIVE ...      COMPANY FOREMAN OR SUPERINTENDENT ...



### DRILLING CONTRACTOR'S DAILY REPORT

WELL NO. 416 LEASE GULF STAR WEST BENCH TRACT DATE 11/13/57 1957  
 SEC. 1 T. 1 R. 1 PROVINCE TEXAS CONTRACTOR 3110

TIME BY DRILLERS		SHOW COMPLETE CASING, CORING AND SLOPE TEST RECORDS AND ALL DELAYS OR LOSS TIME WITH REASONS. DRILLERS ACCOUNT FOR FULL 24 HOURS ON THE LEFT INDICATING CLEARLY EACH CHANGE IN DRILLING OPERATIONS. TOOL PUSHER OR OTHER REPRESENTATIVE OF CONTRACTOR, SHOW ON THE RIGHT ALL TIME CHARGEABLE TO THE COMPANY ON A DAY WORK BASIS. INVOICE MUST CHECK WITH TIME SHOWN ON THE RIGHT.	TIME CHARGEABLE TO THE COMPANY					
FROM	TO		WITH DRILL PIPE		WITHOUT DRILL PIPE		OTHER	
			HRS.	MIN.	HRS.	MIN.	HRS.	MIN.
11:00	11:15	RG SERVICE						
11:15	6:30	DRILLING						
6:30	6:45	SURVEY						
6:45	7:00	REPAIRS TO TOOL JOINT						
	7:15	TOUR						15
7:00	7:45	BLIND OUT						
7:45	8:30	TRIP TO DEPT						15
8:30	9:00	RG SERVICE + close Blind Pumps						
9:00	10:45	Run in pipe bit + pick up 2 1/2 hrs. 2 1/2 hrs						
10:45	11:00	Close 10' to Bottom						
11:00	3:15	DRILLING						
3:15	4:00	Lost Cid						
4:00	4:15	RG SERVICE						
4:15	12:00	DRILLING						

DEVIATION RECORD	DEPTH	SURVEY	DEPTH	SURVEY	HRS	MIN	HRS	MIN	HRS	MIN
	835	1/2							1	30
TOTAL TIME CHARGEABLE TO THE COMPANY									1 30	
DAY WORK PER 24 HOUR DAY									12 30	

BIT RECORD	BIT NUMBER	SIZE	TYPE	SERIAL NUMBER	DEPTH IN	DEPTH OUT	START TIME	HRS RUN	R.P.M.	BIT WEIGHT	PUMP PRESSURE	PUMP NO.	S.P.M.	LINER SIZE	NUMBER AND SIZE DRILL COLLARS
		2	6 1/2	SS	2011777			2:14	4	50	20	250	102	550	2 1/2

MUD RECORD:						MUD ADDITIVES:			SWAB CUPS:			OIL SAVER RUBBERS:			
TIME	WEIGHT	VISCOSITY	WATER LOSS	FILTER CAKE	PH	SAND CONTENT	AMOUNT	TYPE	TIME	NUMBER	SIZE	TYPE	NUMBER	SIZE	TYPE
2:00	8 1/2						2551	Sand	4:14						

DEPTH END FIRST TOUR 570 DEPTH END SECOND TOUR 812 DEPTH END THIRD TOUR 1069  
 CONTRACT DRILLER OR WATCHMAN [Signature] CONTRACT DRILLER OR WATCHMAN [Signature] CONTRACT DRILLER OR WATCHMAN [Signature]

TIME CHARGEABLE TO THE COMPANY IS APPROVED  
 CONTRACTOR'S REPRESENTATIVE [Signature] COMPANY'S REPRESENTATIVE [Signature] COMPANY FOREMAN OR SUPERINTENDENT [Signature]





# DRILLING CONTRACTOR'S DAILY REPORT

WELL NO. C16 LEASE GULF DATE 11/11/68 1968

SEC. 1 T. 1 R. 1 PROVINCE YUKON CONTRACTOR ...

TIME BY DRILLERS		SHOW COMPLETE CASING, CORING AND SLOPE TEST RECORDS AND ALL DELAYS OR LOST TIME, WITH REASONS. DRILLERS ACCOUNT FOR FULL 24 HOURS ON THE LEFT INDICATING CLEARLY EACH CHANGE IN DRILLING OPERATIONS, TOOL PUSHER OR OTHER REPRESENTATIVE OF CONTRACTOR. SHOW ON THE RIGHT ALL TIME CHARGEABLE TO THE COMPANY ON A DAY WORK BASIS. INVOICE MUST CHECK WITH TIME SHOWN ON THE RIGHT.	TIME CHARGEABLE TO THE COMPANY					
FROM	TO		WITH DRILL PIPE		WITHOUT DRILL PIPE		OTHER	
			HRS.	MIN.	HRS.	MIN.	HRS.	MIN.
12 <sup>00</sup>	4 <sup>00</sup>	NIPPLE J. BOP, Standard Band Lm RINGS						
4 <sup>00</sup>	5 <sup>00</sup>	REPAIR 3" STANDARD END 200 IFC						1 -
5 <sup>00</sup>	8 <sup>00</sup>	TRIP OUT TEST ON BLIND RATIO						
8 <sup>00</sup>	1 <sup>00</sup>	REPAIRING BIT LINE						
11 <sup>00</sup>	12 <sup>00</sup>	READS TEST BLIND RATIO MANIFOLD						
12 <sup>00</sup>	1 <sup>00</sup>	TRIP OUT BLIND RATIO MANIFOLD/FUCK						
<del>1<sup>00</sup></del>	<del>8<sup>00</sup></del>	<del>TRIP OUT BLIND RATIO</del>						
1 <sup>30</sup>	8 <sup>00</sup>	RIG TO 5" DRILL PLUGGING HOLE.						
8 <sup>00</sup>	8 <sup>30</sup>	TRIP OUT BLIND RATIO MANIFOLD/FUCK						
8 <sup>30</sup>	10 <sup>30</sup>	TRIP OUT BLIND RATIO MANIFOLD/FUCK						
10 <sup>30</sup>	12 <sup>00</sup>	TRIP OUT BLIND RATIO MANIFOLD/FUCK						1 30
		Pressure tested blind ratio + 300' manifold to 1500 PSI. FOR 15 MINS. HEAD OK.						
		Driller + Toga 24 hrs.						

DEVIATION RECORD	DEPTH	SURVEY	DEPTH	SURVEY	HRS.	MIN.	HRS.	MIN.	HRS.	MIN.
					TOTAL TIME CHARGEABLE TO THE COMPANY 21 30		2 30			
					DAY WORK PER 24 HOUR DAY					

BIT RECORD	BIT NUMBER	SIZE	TYPE	SERIAL NUMBER	DEPTH IN	DEPTH OUT	START TIME	END TIME	R.P.M.	BIT WEIGHT	PUMP PRESSURE	PUMP NO.	S.P.M.	LINER SIZE	NUMBER AND SIZE DRILL COLLARS

MUD RECORD:							MUD ADDITIVES			SWAB CUPS			OIL SAVER RUBBERS		
TIME	WEIGHT	VISCOSITY	WATER LOSS	FILTER CAKE	PH	SAND CONTENT	AMOUNT	TYPE	TIME	NUMBER	SIZE	TYPE	NUMBER	SIZE	TYPE

DEPTH END FIRST TOUR \_\_\_\_\_ DEPTH END SECOND TOUR \_\_\_\_\_ DEPTH END THIRD TOUR 658

CONTRACT DRILLER OR WATCHMAN \_\_\_\_\_ CONTRACT DRILLER OR WATCHMAN \_\_\_\_\_ CONTRACT DRILLER OR WATCHMAN \_\_\_\_\_

TIME CHARGEABLE TO THE COMPANY IS APPROVED \_\_\_\_\_

CONTRACTOR'S REPRESENTATIVE \_\_\_\_\_ COMPANY'S REPRESENTATIVE \_\_\_\_\_ COMPANY FOREMAN OR SUPERINTENDENT \_\_\_\_\_



**DRILLING CONTRACTOR'S DAILY REPORT**

WELL NO. 216 LEASE Gulf Field West Bank 216 DATE 1-20-70 1970  
 SEC. 216 T. \_\_\_\_\_ R. \_\_\_\_\_ PROVINCE Yamalo-Tenetskiy CONTRACTOR Conoil Inc.

TIME BY DRILLERS		SHOW COMPLETE CASING, CORING AND SLOPE TEST RECORDS AND ALL DELAYS OR LOST TIME WITH REASONS. DRILLERS ACCOUNT FOR FULL 24 HOURS ON THE LEFT INDICATING CLEARLY EACH CHANGE IN DRILLING OPERATIONS. TOOL PUSHER OR OTHER REPRESENTATIVE OF CONTRACTOR, SHOW ON THE RIGHT ALL TIME CHARGEABLE TO THE COMPANY ON A DAY WORK BASIS. INVOICE MUST CHECK WITH TIME SHOWN ON THE RIGHT.	TIME CHARGEABLE TO THE COMPANY						
FROM	TO		WITH DRILL PIPE		WITHOUT DRILL PIPE		OTHER		
			HRS.	MIN.	HRS.	MIN.	HRS.	MIN.	
1200	215	REPAIR HOOK						2	15
215	800	Start up the pump stands							
800	1200	run up 50' stick by hand to 1200							
1200		for system to 1200							
(Short 3 men sick)									
(Boiler + toga heater running)									

DEVIATION RECORD	DEPTH	SURVEY	DEPTH	SURVEY	TOTAL TIME CHARGEABLE TO THE COMPANY		DAY WORK PER 24 HOUR DAY	
					HRS.	MIN.	HRS.	MIN.

BIT RECORD	BIT NUMBER	SIZE	TYPE	SERIAL NUMBER	DEPTH IN	DEPTH OUT	HOURLY RATE	HRS. RUN	R.P.M.	BIT WEIGHT	PUMP PRESSURE	PUMP NO.	S.P.M.	LINER SIZE	NUMBER AND SIZE DRILL COLLARS

MUD RECORD:						MUD ADDITIVES			SWAB CUPS			OIL SAVER RUBBERS			
TIME	WEIGHT	VISCOSITY	WATER LOSS	FILTER CAKE	PH	SAND CONTENT	AMOUNT	TYPE	TIME	NUMBER	SIZE	TYPE	NUMBER	SIZE	TYPE

DEPTH END FIRST TOUR \_\_\_\_\_ DEPTH END SECOND TOUR \_\_\_\_\_ DEPTH END THIRD TOUR \_\_\_\_\_  
 CONTRACT DRILLER OR WATCHMAN \_\_\_\_\_ CONTRACT DRILLER OR WATCHMAN \_\_\_\_\_ CONTRACT DRILLER OR WATCHMAN \_\_\_\_\_

TIME CHARGEABLE TO THE COMPANY IS APPROVED  
 \_\_\_\_\_ CONTRACTOR'S REPRESENTATIVE  
 \_\_\_\_\_ COMPANY'S REPRESENTATIVE  
 \_\_\_\_\_ COMPANY FOREMAN OR SUPERINTENDENT



# DRILLING CONTRACTOR'S DAILY REPORT

WELL NO. B-6 LEASE ... DATE 1/11/10

SEC. ... T. ... R. ... PROVINCE ... CONTRACTOR ...

TIME BY DRILLERS		SHOW COMPLETE LOGGING, CORING AND SLOPE TEST RECORDS AND ALL DELAYS OR LOST TIME WITH REASONS. DRILLERS ACCOUNT FOR FULL 24 HOURS ON THE LEFT INDICATING CLEARLY EACH CHANGE IN DRILLING OPERATIONS. TOOL PUSHER OR OTHER REPRESENTATIVE OF CONTRACTOR. SHOW ON THE RIGHT ALL TIME CHARGEABLE TO THE COMPANY ON A DAY WORK BASIS. INVOICE MUST CHECK WITH TIME SHOWN ON THE RIGHT.	TIME CHARGEABLE TO THE COMPANY							
FROM	TO		WITH DRILL PIPE		WITHOUT DRILL PIPE		OTHER			
			HRS.	MIN.	HRS.	MIN.	HRS.	MIN.		
12 <sup>00</sup>	12 <sup>30</sup>	...								
12 <sup>30</sup>	1 <sup>00</sup>	...								
1 <sup>00</sup>	1 <sup>30</sup>	...								
1 <sup>30</sup>	2 <sup>00</sup>	...								
2 <sup>00</sup>	2 <sup>30</sup>	...								
2 <sup>30</sup>	3 <sup>00</sup>	...								
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11 <sup>30</sup>	12 <sup>00</sup>	...								
12 <sup>00</sup>	12 <sup>30</sup>	...								
12 <sup>30</sup>	1 <sup>00</sup>	...								
1 <sup>00</sup>	1 <sup>30</sup>	...								
1 <sup>30</sup>	2 <sup>00</sup>	...								
2 <sup>00</sup>	2 <sup>30</sup>	...								
2 <sup>30</sup>	3 <sup>00</sup>	...								
3 <sup>00</sup>	3 <sup>30</sup>	...								
3 <sup>30</sup>	4 <sup>00</sup>	...								
4 <sup>00</sup>	4 <sup>30</sup>	...								
4 <sup>30</sup>	5 <sup>00</sup>	...								
5 <sup>00</sup>	5 <sup>30</sup>	...								
5 <sup>30</sup>	6 <sup>00</sup>	...								
6 <sup>00</sup>	6 <sup>30</sup>	...								
6 <sup>30</sup>	7 <sup>00</sup>	...								
7 <sup>00</sup>	7 <sup>30</sup>	...								







# DRILLING CONTRACTOR'S DAILY REPORT

WELL NO. B-16 LEASE GULF AT FT. WEST KENNEDY DATE FEB 13 1967

SEC. 5 T. 10 R. 10 PROVINCE MISSISSIPPI CONTRACTOR W. J. P. BOLLER

TIME BY DRILLERS		SHOW COMPLETE CASING, CORING AND SLOG TEST RECORDS AND ALL DELAYS OR LOST TIME WITH REASONS. DRILLERS ACCOUNT FOR FULL 24 HOURS ON THE LEFT INDICATING CLEARLY EACH CHANGE IN DRILLING OPERATIONS. TOOL PUSHER OR OTHER REPRESENTATIVE OF CONTRACTOR. SHOW ON THE RIGHT ALL TIME CHARGEABLE TO THE COMPANY ON A DAY WORK BASIS. INVOICE MUST CHECK WITH TIME SHOWN ON THE RIGHT.	TIME CHARGEABLE TO THE COMPANY					
FROM	TO		WITH DRILL PIPE		WITHOUT DRILL PIPE		OTHER	
			HRS	MIN	HRS	MIN	HRS	MIN
11:00	11:15	DRILLING						
11:15	11:30	DRILLING						
11:30	11:45	DRILLING						
11:45	12:00	WORK PUSHER						
12:00	12:15	DRILLING						
12:15	12:30	DRILLING						
12:30	12:45	DRILLING						
12:45	1:00	DRILLING						
1:00	1:15	DRILLING						
1:15	1:30	DRILLING						
1:30	1:45	DRILLING						
1:45	2:00	DRILLING						
2:00	2:15	DRILLING						
2:15	2:30	DRILLING						
2:30	2:45	DRILLING						
2:45	3:00	DRILLING						
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3:15	3:30	DRILLING						
3:30	3:45	DRILLING						
3:45	4:00	DRILLING						
4:00	4:15	DRILLING						
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4:45	5:00	DRILLING						
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6:45	7:00	DRILLING						
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12:30	12:45	DRILLING						
12:45	1:00	DRILLING						
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6:30	6:45	DRILLING						
6:45	7:00	DRILLING						
7:00	7:15	DRILLING						
7:								



DRILLING CONTRACTOR'S DAILY REPORT

WELL NO. 016 LEASE GULF PTM WEST HAVEN DATE Feb 11 1971  
 SEC.        T.        R.        PROVINCE Yukon CONTRACTOR Compton Drilling Co.

TIME BY DRILLERS		SHOW COMPLETE CASING, CORING AND SLOPE TEST RECORDS AND ALL DELAYS OR LOST TIME WITH REASONS. DRILLERS ACCOUNT FOR FULL 24 HOURS ON THE LEFT INDICATING CLEARLY EACH CHANGE IN DRILLING OPERATIONS. TOOL PUSHER OR OTHER REPRESENTATIVE OF CONTRACTOR, SHOW ON THE RIGHT ALL TIME CHARGEABLE TO THE COMPANY ON A DAY WORK BASIS. INVOICE MUST CHECK WITH TIME SHOWN ON THE RIGHT.	TIME CHARGEABLE TO THE COMPANY					
FROM	TO		WITH DRILL PIPE		WITHOUT DRILL PIPE		OTHER	
			HRS	MIN	HRS	MIN	HRS	MIN
11:00	11:45	RIG SERVICE						
11:45	12:25	SURVEY						
12:30	2:00	DRILLING 3/4 SURFACE HOLE						
2:00	7:10	TRIP OUT						
2:45	3:25	RUN IN WITH BIT						
3:25	4:45	WORK ON MOUNT TO POWER PUMP						
4:45	8:20	DRILLING						
8:25	8:45	RIG SERVICE						
8:45	11:15	DRILLING						
11:15	1:00	WORK ON CLEANER pump POWER TOOL						1 -
1:00	4:00	DRILLING						
4:00	4:15	R & SER						
4:15	8:45	DRILLING						
8:45	9:15	SURVEY						
9:15	12:00	DRILLING						

(Tiroja + baler both in use.)

DEVIATION RECORD	DEPTH	SURVEY	DEPTH	SURVEY	TOTAL TIME CHARGEABLE TO THE COMPANY	HRS	MIN	HRS	MIN	HRS	MIN
	598	1			23 -			1 -			

BIT RECORD	BIT NUMBER	SIZE	TYPE	SERIAL NUMBER	DEPTH IN	DEPTH OUT	START TIME	HRS RUN	Q.P.	BIT WEIGHT	PUMP PRESSURE	PUMP NO.	S.P.M.	LINER SIZE	NUMBER AND SIZE DRILL COLLARS
		70	7 1/2	J	501	344	1111	11:15	10 1/2	1	10	100	1	7	
	148	8 1/2	J	501	111	1111	12:30	11 1/2	1	10	100	1	7		

MUD RECORD:						MUD ADDITIVES			SWAB CUPS			OIL SAVER RUBBERS:			
TIME	WEIGHT	VISCOSITY	WATER LOSS	FILTER CAKE	PH	SAND CONTENT	AMOUNT	TYPE	TIME	NUMBER	SIZE	TYPE	NUMBER	SIZE	TYPE

DEPTH END FIRST TOUR 1      DEPTH END SECOND TOUR 567      DEPTH END THIRD TOUR 633  
 CONTRACT DRILLER OR WATCHMAN [Signature]      CONTRACT DRILLER OR WATCHMAN [Signature]      CONTRACT DRILLER OR WATCHMAN [Signature]  
 TIME CHARGEABLE TO THE COMPANY IS APPROVED [Signature]  
 CONTRACTOR'S REPRESENTATIVE      COMPANY'S REPRESENTATIVE      COMPANY FORMER OR SUPERINTENDENT



DRILLING CONTRACTOR'S DAILY REPORT

WELL NO. C16 LEASE ETHEL WEST BEAVER CROW DATE 10/20 1976  
 SEC. T R. R PROVINCE YUKON TERR. CONTRACTOR Samson

TIME BY DRILLERS		SHOW COMPLETE CASING, CORING AND SLOPE TEST RECORDS AND ALL DELAYS OR LOST TIME WITH REASONS. DRILLERS ACCOUNT FOR FULL 24 HOURS ON THE LEFT INDICATING CLEARLY EACH CHANGE IN DRILLING OPERATIONS. TOOL PUSHER OR OTHER REPRESENTATIVE OF CONTRACTOR, SHOW ON THE RIGHT ALL TIME CHARGEABLE TO THE COMPANY ON A DAY WORK BASIS. INVOICE MUST CHECK WITH TIME SHOWN ON THE RIGHT.	TIME CHARGEABLE TO THE COMPANY						
FROM	TO		WITH DRILL PIPE		WITHOUT DRILL PIPE		OTHER		
			HRS	MIN	HRS	MIN	HRS	MIN	
12:00	12:15	SERVICE RIG							
12:15	6:00	DRILLING							
6:00	8:00	WELL LOSS CIRC (WELL LOSS) ALL NIGHT THEN 140 FT 2 1/2" (CONDUCTOR PIPE)							
8:00	8:15	RIG SERVICE							
8:15		HOOK UP 11" DIAMETER PUMP TO TANK							
		LOST CIRC 400 FT OF PUMP							
		TOMMORROW TANK, CLEAN TANK							
	11:00	WASHED							
11:00	11:00	REWORK 5:00							1 -
11:00	4:00	UNHOOKING							
4:00	4:15	RIG SET							- 45'
4:15	5:00	WORK ON SWIVEL							
5:00	8:00	DRILLING							
8:00	9:30	WORK ON PUMPS							1 30
9:30	12:00	DRAINING & BOILER +							

(Blew power end off #1 pump due to valve washing & droppin thru seat in pump causing runner to drive valve against legs & blowing mud end apart from power end of pump)

DEVIATION RECORD	DEPTH	SURVEY	DEPTH	SURVEY	TOTAL TIME CHARGEABLE TO THE COMPANY	21	30	3	30
	481	1 1/4			DAY WORK PER 24 HOUR DAY				

BIT RECORD	BIT NUMBER	SIZE	TYPE	SERIAL NUMBER	DEPTH IN	DEPTH OUT	CONTRACTOR'S HRS RUN	R.P.M.	BIT WEIGHT	PUMP PRESSURE	PUMP NO.	S.P.M.	TINER SIZE	NUMBER AND SIZE DRILL COLLARS
		12	4 1/2	1 1/2	57926	244		110	14	90	1000	1	500	5 1/2

MUD RECORD:						MUD ADDITIVES			SWAB CUPS		OIL SAVER RUBBERS				
TIME	WEIGHT	VISCOSITY	WATER LOSS	FILTER CAKE	PH	SAND CONTENT	AMOUNT	TYPE	TIME	NUMBER	SIZE	TYPE	NUMBER	SIZE	TYPE
12	92	59					50								

DEPTH END FIRST TOUR: 244 DEPTH END SECOND TOUR: 244 DEPTH END THIRD TOUR: 244  
 CONTRACT DRILLER OR WATCHMAN: [Signature] CONTRACT DRILLER OR WATCHMAN: [Signature] CONTRACT DRILLER OR WATCHMAN: [Signature]  
 TIME CHARGEABLE TO THE COMPANY IS APPROVED: [Signature]  
 CONTRACTOR'S REPRESENTATIVE: [Signature] COMPANY'S REPRESENTATIVE: [Signature] COMPANY FOREMAN OR SUPERINTENDENT: [Signature]



DRILLING CONTRACTOR'S DAILY REPORT

WELL NO. 96 LEASE STATE OF NEARBY CROW DATE 9-1-70 19 70  
 SEC. \_\_\_\_\_ T. \_\_\_\_\_ R. \_\_\_\_\_ PROVINCE YUKON TER. CONTRACTOR COMPANY NAME # 34C

TIME BY DRILLERS		SHOW COMPLETE CASING, CORING AND LOGS TEST RECORDS AND ALL DELAYS OR LOST TIME WITH REASONS. DRILLERS ACCOUNT FOR FULL 24 HOURS ON THE LEFT INDICATING CLEARLY EACH CHANGE IN DRILLING OPERATIONS. TOOL PUSHER OR OTHER REPRESENTATIVE FOR CONTRACTOR. SHOW ON THE RIGHT ALL TIME CHARGEABLE TO THE COMPANY ON A DAY WORK BASIS. INVOICE MUST CHECK WITH TIME SHOWN ON THE RIGHT	TIME CHARGEABLE TO THE COMPANY						
FROM	TO		WITH DRILL PTR		WITHOUT DRILL PTR		OTHER		
			HRS	MIN	HRS	MIN	HRS	MIN	
12 <sup>00</sup>	12 <sup>15</sup>	SERVICE RIG							
1 <sup>00</sup>	1 <sup>15</sup>	RUN IN WITH BIT #1							
1 <sup>00</sup>	3 <sup>00</sup>	DRILLING							
3 <sup>30</sup>	6 <sup>30</sup>	REPLACE BELLY HOSE WORK ON BLOCKS						3	30
6 <sup>30</sup>	8 <sup>00</sup>	DRILLING							
8 <sup>00</sup>	9 <sup>15</sup>	SERVICE RIG							
8 <sup>15</sup>	9 <sup>15</sup>	DRILLING							15
9 <sup>15</sup>	9 <sup>30</sup>	WORK ON WALK MILL							
9 <sup>30</sup>	11 <sup>00</sup>	DRILLING							
11 <sup>00</sup>	11 <sup>00</sup>	RIG SERVICE							
11 <sup>15</sup>	6 <sup>00</sup>	DRILL							
6 <sup>00</sup>	6 <sup>30</sup>	TRIP OUT							
6 <sup>30</sup>	7 <sup>20</sup>	LAY DOWN CURT HBI							
7 <sup>20</sup>	8 <sup>00</sup>	DRILLING							30
8 <sup>00</sup>	8 <sup>30</sup>	RUN IN WITH BIT #1							
8 <sup>30</sup>	9 <sup>00</sup>	DRILL							
9 <sup>00</sup>	9 <sup>15</sup>	REPAIR							15
9 <sup>15</sup>	11 <sup>00</sup>	DRILLING							
		POWER +							

DEVIATION RECORD	DEPTH	SURVEY	DEPTH	SURVEY	TOTAL TIME CHARGEABLE TO THE COMPANY	HRS	MIN	HRS	MIN	DAY WORK PER 24 HOUR DAY
	344	3/4				19	30	4	30	

BIT RECORD	BIT NUMBER	SIZE	TYPE	SERIAL NUMBER	DEPTH IN	DEPTH OUT	TIME ON	WAS RUN	R.P.M.	BIT WEIGHT	PUMP PRESSURE	PUMP NO.	S.P.M.	LINER SIZE	NUMBER AND SIZE DRILL COLLARS
		9A	8 1/4	HWG	15557	305	344	10:00	10:00	70	10	200	142-500	24	10
	9A	8 1/4	HW	8114	344				1	15					

MUD RECORD:						MUD ADDITIVES			SWAB CUPS			OIL SAVER RUBBERS			
TIME	WEIGHT	VISCOSITY	WATER LOSS	FILTER CAKE	PH	SAND CONTENT	AMOUNT	TYPE	TIME	NUMBER	S.ZE	TYPE	NUMBER	SIZE	TYPE
9 <sup>00</sup>	14	32													
11 <sup>00</sup>	16	34													
11 <sup>15</sup>	12	45													
10 <sup>15</sup>	11	60													

DEPTH END FIRST TOUR \_\_\_\_\_ DEPTH END SECOND TOUR 344 DEPTH END THIRD TOUR \_\_\_\_\_  
 CONTRACT DRILLER OR WATCHMAN \_\_\_\_\_ CONTRACT DRILLER OR WATCHMAN \_\_\_\_\_ CONTRACT DRILLER OR WATCHMAN \_\_\_\_\_  
 TIME CHARGEABLE TO THE COMPANY IS APPROVED \_\_\_\_\_  
 CONTRACTOR'S REPRESENTATIVE \_\_\_\_\_ COMPANY'S REPRESENTATIVE \_\_\_\_\_ COMPANY FOREMAN OR SUPERINTENDENT \_\_\_\_\_



DRILLING CONTRACTOR'S DAILY REPORT

WELL NO. C16 LEASE ETEL WEST BEAR CROW DATE FEB 8 19 70  
 SEC. \_\_\_\_\_ T. \_\_\_\_\_ R. \_\_\_\_\_ PROVINCE YELLOW ST. CONTRACTOR COMMONWEALTH 390

TIME BY DRILLERS		SHOW COMPLETE LOGGING, CORING AND LOGS TEST RECORDS AND ALL DELAYS OR LOST TIME WITH REASONS. DRILLERS ACCOUNT FOR FULL 24 HOURS ON THE LEFT INDICATING CLEARLY EACH CHANGE IN DRILLING OPERATIONS. TOOL PUSHER OR OTHER REPRESENTATIVE OF CONTRACTOR SHOW ON THE RIGHT ALL TIME CHARGEABLE TO THE COMPANY ON A DAY WORK BASIS. INVOICE MUST CHECK WITH TIME SHOWN ON THE RIGHT.	TIME CHARGEABLE TO THE COMPANY					
FROM	TO		WITH DRILL PIPE		WITHOUT DRILL PIPE		OTHER	
			HRS.	MIN.	HRS.	MIN.	HRS.	MIN.
12:00	12:15	SERVICE RIG						
12:15	8:00	DRILLING						
8:00	8:05	SERVICE RIG						
8:05	10:30	DRILLING						
10:30	10:45	SURVEY						
10:45	11:55	DRILLING						
11:55	4:00	RIL						
4:00	8:15	DRILLING						
8:15	7:00	SURVEY						
7:00	7:15	TRIP OUT						
7:15		PICK UP CASE WITH 4 INCH						
	11:00	SAME						
11:00		FULL CASE & DISCARD BIT						
		WONT R. 804 - 11:15						
	12:00	START CASE 1.00 IN DEPTH						

DEVIATION RECORD	DEPTH	SURVEY	DEPTH	SURVEY	TOTAL TIME CHARGEABLE TO THE COMPANY	HRS.	MIN.	HRS.	MIN.	HRS.	MIN.
	270	1/8									
	305	1/2			DAY WORK PER 24 HOUR DAY						

BIT RECORD	BIT NUMBER	SIZE	TYPE	SERIAL NUMBER	DEPTH IN	DEPTH OUT	TOTAL INCHES	HRS. RUN	R.P.M.	BIT WEIGHT	PUMP PRESSURE	PUMP NO.	S.P.M.	LINER SIZE	NUMBER AND SIZE DRILL COLLARS
		7	8 1/4	WST	90683	223	305	72	MA	70	10	125			8

MUD RECORD:							MUD ADDITIVES:			SWAB CUTS:			OIL SAVER RUBBERS:		
TIME	WEIGHT	VISCOSITY	WATER LOSS	FILTER CAKE	pH	SAND CONTENT	AMOUNT	TYPE	TIME	NUMBER	SIZE	TYPE	NUMBER	SIZE	TYPE
2:00	9.1	43					CLL								
7:00	9.0	38					SA								
4:00	7.0	35					LI								
8:00	7.0	34													

DEPTH NO. FIRST TOUR 252 DEPTH END SECOND TOUR 171 DEPTH END THIRD TOUR \_\_\_\_\_  
 CONTRACT DRILLER OR WATCHMAN Katman CONTRACT DRILLER OR WATCHMAN \_\_\_\_\_ CONTRACT DRILLER OR WATCHMAN \_\_\_\_\_

TIME CHARGEABLE TO THE COMPANY IS APPROVED \_\_\_\_\_  
 CONTRACTOR'S REPRESENTATIVE \_\_\_\_\_ COMPANY'S REPRESENTATIVE \_\_\_\_\_ COMPANY FOREMAN OR SUPERINTENDENT \_\_\_\_\_



DRILLING CONTRACTOR'S DAILY REPORT

WELL NO. B16 LEASE ETEL WEST PEAYER CROW DATE 12/11/51 1951  
 SEC. 1 T. 1 R. 1 PROVINCE YUKON CONTRACTOR Commonwealth 34c

TIME BY DRILLERS		SHOW COMPLETE CASING, CORING AND SLOPE TEST RECORDS AND ALL DELAYS OR LOST TIME, WITH REASONS. DRILLERS ACCOUNT FOR FULL 24 HOURS ON THE LEFT INDICATING CLEARLY EACH CHANGE IN DRILLING OPERATIONS. TOOL PUSHER OR OTHER REPRESENTATIVE OF CONTRACTOR, SHOW ON THE RIGHT ALL TIME CHARGEABLE TO THE COMPANY ON A DAY WORK BASIS. INVOICE MUST CHECK WITH TIME SHOWN ON THE RIGHT.	TIME CHARGEABLE TO THE COMPANY								
FROM	TO		WITH DRILL PIPE		WITHOUT DRILL PIPE		OTHER				
			HRS.	MIN.	HRS.	MIN.	HRS.	MIN.			
12 <sup>00</sup>	12 <sup>15</sup>	SERVICE R.O.									
12 <sup>15</sup>	9 <sup>00</sup>	DRILLING									
8 <sup>00</sup>	8 <sup>15</sup>	RIG SERVICE									
8 <sup>15</sup>	1 <sup>45</sup>	DRILLING									
9 <sup>45</sup>	10 <sup>00</sup>	HUNT FOR BIT # 5									
10 <sup>00</sup>	10 <sup>15</sup>	SLIP 20' LINE									
10 <sup>15</sup>	10 <sup>30</sup>	RUN IN									
10 <sup>30</sup>	11 <sup>00</sup>	DRILLING									
11 <sup>00</sup>	11 <sup>15</sup>	RIG SERVICE									
11 <sup>15</sup>	5 <sup>00</sup>	R. HALL G. HALL									45
5 <sup>00</sup>	7 <sup>00</sup>	DRILLING									
7 <sup>00</sup>	8 <sup>00</sup>	WIP LOSS CIRC. M.A. # 14									
8 <sup>00</sup>	10 <sup>00</sup>	DRILLING									
10 <sup>00</sup>	11 <sup>00</sup>	THIRD RUN IN WITH BIT # 7									
11 <sup>00</sup>	12 <sup>00</sup>	DRILLING									

DEVIATION RECORD	DEPTH	SURVEY	DEPTH	SURVEY	HRS.	MIN.	HRS.	MIN.	HRS.	MIN.
	100	3/4			23	15			45	
					TOTAL TIME CHARGEABLE TO THE COMPANY					
					DAY WORK PER 24 HOUR DAY					

BIT RECORD	BIT NUMBER	SIZE	TYPE	SERIAL NUMBER	DEPTH IN	DEPTH OUT	TIME ON	HRS.	MIN.	WGT.	PUMP PRESSURE	PUMP NO.	S.P.M.	LINER SIZE	NUMBER AND SIZE DRILL COLLARS
	5	8 3/4	W44MS		26923	140	150	4	16	2	6	125	1-25		2 1/2
6	8 3/4	W44MS		26923	150	223	1	10	20	7	125	1-25		2 1/2	7 - 4 1/4
7	8 3/4	H 755		7-19-223			1	14	00	7	125	1-25		2 1/2	7 - 4 1/4

MUD RECORD:						MUD ADDITIVES			SWAB CUPS			OIL SAVER RUBBERS			
TIME	WEIGHT	VISCOSITY	WATER LOSS	FILTER CAKE	PH	SAND CONTENT	AMOUNT	TYPE	TIME	NUMBER	SIZE	TYPE	NUMBER	SIZE	TYPE
2am	91	44													
7am	94	44													
11am	111	55													
5pm	111	56				S&D									

DEPTH END FIRST TOUR: 177 DEPTH END SECOND TOUR: 223 DEPTH END THIRD TOUR: 223  
 CONTRACT DRILLER OR WATCHMAN: Paul Brown CONTRACT DRILLER OR WATCHMAN: Paul Brown CONTRACT DRILLER OR WATCHMAN: Paul Brown  
 TIME CHARGEABLE TO THE COMPANY IS APPROVED: Paul Brown  
 CONTRACTOR'S REPRESENTATIVE: \_\_\_\_\_ COMPANY'S REPRESENTATIVE: \_\_\_\_\_ COMPANY FOREMAN OR SUPERINTENDENT: Comedy





# DRILLING CONTRACTOR'S DAILY REPORT

WELL NO. C16 LEASE GULF GULF WEST BEAVER CREEK DATE 1 1969  
 SEC. 1 T. 1 R. 1 PROVINCE OK CONTRACTOR 1

TIME BY DRILLERS		SHOW COMPLETE CASING CORING AND SLOPE TEST RECORDS AND ALL DELAYS OR LOST TIME WITH REASONS. DRILLERS ACCOUNT FOR FULL 24 HOURS ON THE LEFT INDICATING CLEARLY EACH CHANGE IN DRILLING OPERATIONS. TOOL PUSHER OR OTHER REPRESENTATIVE OF CONTRACTOR, SHOW ON THE RIGHT ALL TIME CHARGEABLE TO THE COMPANY ON A DAY WORK BASIS. INVOICE MUST CHECK WITH TIME SHOWN ON THE RIGHT.	TIME CHARGEABLE TO THE COMPANY						
FROM	TO		WITH DRILL PIPE		WITHOUT DRILL PIPE		OTHER		
			HRS	MIN	HRS	MIN	HRS	MIN	
12:00	12:00	SERVICE RIG & SURVEY # 2 R			5				
12:15	1:00	DRILL 8 3/4" HOLE							
1:00	2:00	MIX LOSS CIRC MATERIAL (Loss @ 56')							
2:00	4:45	DRILLING CIRC HOLDING							
4:45	6:00	MIX BATCH MUD							
6:00	7:00	DRILLING							
7:00	7:30	MIX BATCH MUD							
7:30	8:00	DRILLING							
8:00	11:42	DRILLING							
11:42	12:00	TRIP MUD							
12:00	1:00	RIG DOWN							
1:00	4:00	RIG UP							
4:00	12:00	DRILLING							

DEVIATION RECORD	DEPTH	SURVEY	DEPTH	SURVEY
		5.49	74	

TOTAL TIME CHARGEABLE TO THE COMPANY	HRS	MIN	HRS	MIN	HRS	MIN
DAY WORK PER 24 HOUR DAY						

BIT RECORD	BIT NUMBER	SIZE	TYPE	SERIAL NUMBER	DEPTH IN	DEPTH OUT	TIME	HRS RUN	R.P.M.	BIT WEIGHT	PUMP PRESSURE	PUMP NO.	S.P.M.	LINE SIZE	NUMBER AND SIZE DRILL COLLARS
		2	8 3/4	REG	914570	48	49	1:00	10	12	671	1	1	1	
	3	8 3/4	REG	914571	60	61	1:00	10	12	671	1	1	1		

MUD RECORD							MUD ADDITIVES			SWAB CUPS			OIL SAVER RUBBERS		
TIME	WEIGHT	VISCOSITY	WATER LOSS	FILTER CAKE	PH	SAND CONTENT	AMOUNT	TYPE	TIME	NUMBER	SIZE	TYPE	NUMBER	SIZE	TYPE
2:00	83	3					60	60							
							60	60							

DEPTH END FIRST TOUR \_\_\_\_\_ DEPTH END SECOND TOUR \_\_\_\_\_ DEPTH END THIRD TOUR \_\_\_\_\_  
 CONTRACT DRILLER OR WATCHMAN \_\_\_\_\_ CONTRACT DRILLER OR WATCHMAN \_\_\_\_\_ CONTRACT DRILLER OR WATCHMAN \_\_\_\_\_  
 TIME CHARGEABLE TO THE COMPANY IS APPROVED \_\_\_\_\_  
 CONTRACTOR'S REPRESENTATIVE \_\_\_\_\_ COMPANY'S REPRESENTATIVE \_\_\_\_\_ COMPANY'S FOREMAN OR SUPERINTENDENT \_\_\_\_\_





### DRILLING CONTRACTOR'S DAILY REPORT

WELL NO. C16 LEASE GULF 6141 WEST RENOVA GRW DATE FEB 4 19 7  
 SEC. \_\_\_\_\_ T. \_\_\_\_\_ R. \_\_\_\_\_ PROVINCE YUKON TERR CONTRACTOR CONTRACTOR

TIME BY DRILLERS		SHOW COMPLETE CASING CORING AND SLOPE TEST RECORDS AND ALL DELAYS OR LOST TIME WITH REASONS. DRILLERS ACCOUNT FOR FULL 24 HOURS ON THE LEFT INDICATING CLEARLY EACH CHANGE IN DRILLING OPERATIONS. TOP'L PUSHER OR OTHER REPRESENTATIVE OF CONTRACTOR SHOW ON THE RIGHT ALL TIME CHARGEABLE TO THE COMPANY ON A DAY WORK BASIS. INVOICE MUST CHECK WITH TIME SHOWN ON THE RIGHT	TIME CHARGEABLE TO THE COMPANY					
FROM	TO		WITH DRILL PIPE		WITHOUT DRILL PIPE		OTHER	
			HRS	MIN	HRS	MIN	HRS	MIN
12 <sup>00</sup>	12 <sup>15</sup>	SERVICE RIG						
12 <sup>15</sup>	8 <sup>00</sup>	DRILLING 2 3/4 SURFACE HOLE						
8 <sup>00</sup>	8 <sup>15</sup>	SERVICE RIG						
8 <sup>15</sup>	10 <sup>00</sup>	DRILLING 2 3/4 SURFACE HOLE						
2 <sup>00</sup>	2 <sup>15</sup>	TRIP UP & SET LOG						
1 <sup>00</sup>	4 <sup>00</sup>	DRILL						
4 <sup>00</sup>	4 <sup>15</sup>	TRIP UP & SET LOG						
4 <sup>15</sup>	10 <sup>00</sup>	DRILL						
10 <sup>00</sup>	11 <sup>00</sup>	RE WORK 1 1/2" SURFACE HOLE						1 -
11 <sup>00</sup>	11 <sup>15</sup>	DRILL						

DEVIATION RECORD	DEPTH	SURVEY	DEPTH	SURVEY	TOTAL TIME CHARGEABLE TO THE COMPANY		HRS	MIN	HRS	MIN	HRS	MIN
					23	-			1	-		

BIT RECORD	BIT NUMBER	SIZE	TYPE	SERIAL NUMBER	DEPTH IN	DEPTH OUT	DISTANCE (FEET) RUN	R.P.M.	BIT WEIGHT	PUMP PRESSURE	PUMP NO.	G.P.M.	INNER SIZE	NUMBER AND SIZE DRILL COLLARS
	1	2 3/4	REG	7107941	11	11	11	45	417	100	1	1	1	
2	2 3/4	REG	7107941	11	11	11	45	417	100	1	1	1		

MUD RECORD								MUD ADDITIVES			SWAB CUPS			OIL SAVER RUBBERS		
TIME	WEIGHT	VISCOSITY	WATER LOSS	FILT.	CLAY	PH	SAND CONTENT	AMOUNT	TYPE	TIME	NUMBER	SIZE	TYPE	NUMBER	SIZE	TYPE
								175	GULF T-5							
									LINE							

DEPTH END FIRST TOUR 11 20 DEPTH END SECOND TOUR 11 15 DEPTH END THIRD TOUR \_\_\_\_\_  
 CONTRACT DRILLER OR WATCHMAN Paul Smith CONTRACT DRILLER OR WATCHMAN \_\_\_\_\_ CONTRACT DRILLER OR WATCHMAN \_\_\_\_\_  
 TIME CHARGEABLE TO THE COMPANY IS APPROVED \_\_\_\_\_  
 CONTRACTOR'S REPRESENTATIVE \_\_\_\_\_ COMPANY'S REPRESENTATIVE \_\_\_\_\_ COMPANY'S FOREMAN OR SUPERINTENDENT \_\_\_\_\_



### DRILLING CONTRACTOR'S DAILY REPORT

WELL NO. \_\_\_\_\_ LEASE Edmonton to above location DATE Oct 3 19 70  
 SEC. \_\_\_\_\_ T. \_\_\_\_\_ R. \_\_\_\_\_ PROVINCE Alberta CONTRACTOR James D. King 34

TIME BY DRILLERS		SHOW COMPLETE CASING, CORING AND SLOPE TEST RECORDS AND ALL DELAYS OR LOST TIME WITH REASONS. DRILLERS ACCOUNT FOR FULL 24 HOURS ON THE LEFT INDICATING CLEARLY EACH CHANGE IN DRILLING OPERATIONS. TOOL PUSHER OR OTHER REPRESENTATIVE OF CONTRACTOR. SHOW ON THE RIGHT ALL TIME CHARGEABLE TO THE COMPANY ON A DAY WORK BASIS. INVOICE MUST CHECK WITH TIME SHOWN ON THE RIGHT.	TIME CHARGEABLE TO THE COMPANY						
FROM	TO		WITH DRILL PIPE		WITHOUT DRILL PIPE		OTHER		
			HRS	MIN	HRS	MIN	HRS	MIN	
12 <sup>00</sup>	8 <sup>00</sup>	Drilling out hole with 1" diameter bit (7 ft)							
8 <sup>00</sup>	4 <sup>00</sup>	Drilling out hole (concrete)							
4 <sup>00</sup>	7 <sup>00</sup>	Drilling out hole (concrete)							
7 <sup>00</sup>	12 <sup>00</sup>	2 by 1/2" hole							
		Light unit removed							
		has @ 200 ft hole							
		Spud @ 10 ft hole							
		conduct pipe @ 28 ft							
		A.B. to ground							
		Air transportation from Edmonton to above location							
		2 men in + 4 men out (cost included)							

DEVIATION RECORD	DEPTH	SURVEY	DEPTH	SURVEY	TOTAL TIME CHARGEABLE TO COMPANY	HRS	MIN	HRS	MIN	HRS	MIN
					DAY WORK PER 24 HOUR DAY						

BIT RECORD	BIT NUMBER	SIZE	TYPE	SERIAL NUMBER	DEPTH IN	DEPTH OUT	TIME	HRS	MIN	R.P.M.	BIT WEIGHT	PUMP PRESSURE	PUMP NO.	R.P.M.	LINER SIZE	NUMBER AND SIZE DRILL COLLARS
		1	1 1/2" dia													

MUD RECORD:						MUD ADDITIVES			SWAB CUPS			OIL SAVER RUBBERS				
TIME	WEIGHT	VISCOSITY	WATER LOSS	FILTER CAKE	PH	SAND CONTENT	AMOUNT	TYPE	TIME	NUMBER	SIZE	TYPE	NUMBER	SIZE	TYPE	

DEPT. END FIRST TOUR \_\_\_\_\_ DEPTH END SECOND TOUR \_\_\_\_\_ DEPTH END THIRD TOUR \_\_\_\_\_  
 CONTRACT DRILLER OR WATCHMAN \_\_\_\_\_ CONTRACT DRILLER OR WATCHMAN \_\_\_\_\_ CONTRACT DRILLER OR WATCHMAN \_\_\_\_\_

TIME CHARGEABLE TO THE COMPANY IS APPROVED \_\_\_\_\_  
 CONTRACTOR'S REPRESENTATIVE \_\_\_\_\_ COMPANY'S REPRESENTATIVE \_\_\_\_\_ COMPANY FOREMAN OR SUPERINTENDENT \_\_\_\_\_