

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 192

DE. BLOW RIVER E47 Lsd. Sec. Twn. Rge. W. Contractor IDE RIG 5 Month NOV Day 15

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

Table with columns: To, Hole Made, Bit Size, Formation, From, To, Hole Made, Bit Size, Formation, From, To, Hole Made, Bit Size, Formation

Table with columns: Stands, Singles, Kelly, Drill. Collar Ft., Core Bbl. Ft., Size-D.P., Stands, Singles, Kelly, Drill. Collar Ft., Core Bbl. Ft., Size-D.P., Stands, Singles, Kelly, Drill. Collar Ft., Core

Table with columns: Number, OD, ID, Length, INDICATOR WEIGHT OF TOTAL DRILLING STRING, DRILL COLLARS, 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

Table with columns: Type, Time On Bit, Footage, WOB, RPM, Depth Pulled, Total Footage Drilled, Reamed, No., Type, Time On Bit, Footage, WOB, RPM, Depth Pulled, Total Footage Drilled, Reamed, No., Type, Time On Bit, Footage, WOB, RPM, Depth Pulled, Total Footage Drilled, Reamed

Table with columns: Jet, Conventional, Bit Serial No., Jet, Conventional, Bit Serial No., Jet, Conventional, Bit Serial No.

Table with columns: Size, Bit Wear: T, B, G, Nuzzle Size, Bit Wear: T, B, G, Nozzle Size, Bit Wear: T, B

Table with columns: Deviation, HOURS, Pump Press, Length of Pump Stroke, Strokes Per Min., Liner Size, On Line, Circulating, Deviation, HOURS, Pump Press, Length of Pump Stroke, Strokes Per Min., Liner Size, On Line, Circulating, Deviation, HOURS, Pump Press, Length of Pump Stroke, Strokes Per Min., Liner Size, On Line, Circulating

Table with columns: Visc., Wt., W L, pH, ADDITIVES — POUNDS, Time, Visc., Wt., W L, pH, ADDITIVES — POUNDS, Time, Visc., Wt., W L, pH, ADDITIVES — POUNDS

PLUG # 3 30 S&S CEMENT AND WELDED PLATE 3' BELOW SURFACE

Table with columns: No., Depth In, Footage, Hours Run, Depth Out, Recovery, Core No., Depth In, Footage, Hours Run, Depth Out, Recovery, Core No., Depth In, Footage, Hours Run, Depth Out, Recovery

RIG RELEASED @ 2 PM NOV 15 1970

Table with columns: From, To, Hrs., From, To, Hrs., From, To, Hrs.

R OUT RIG 12:00 EARNING CELLAR 3-5 RAN THERMISTOR 8- CABLE 12-4 TEAR OUT RIG 12:00

WELD PLATE 12-2-2

TEAR OUT 2 4-2

Driller: Phil Rouse Driller: J. J. ... Driller: J. J. ...

Table with columns: CLASSES OF TIME BREAKDOWN, TOTCO, FISHING, CIRCULATING, CONDITIONING MUD, TRIPPING, CORING, CASING, W.O.C, D.S. TESTING, LOGGING, W.O. ORDERS, RIG REPAIRS, RIG MAINTENANCE, MISCELLANEOUS, CONDITION HOLE, REAMING CLEANING, WORKING PIPE, LOST CIRC., DID YOU CHECK BLENDER EQUIPMENT, YES, NO

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

(200 bks. 5-68)

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 191

IDE. BLOW RIVER E47 Lsd. Sec. Tw. Rge. W. Contractor IDE. RIG 3 Month NOV Day 14

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation
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P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
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Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL
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Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed	No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed	No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed
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Serial No.	Jet	Conventional	Bit Serial No.	Jet	Conventional	Bit Serial No.	Jet	Conventional
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Nozzle Size	Bit Wear: T B G	Nozzle Size	Bit Wear: T B G	Nozzle Size	Bit Wear: T B G
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Deviation	Deviation	Deviation
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HOURS	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURS	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURS	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
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Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
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Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery
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From	To	Hrs.	From	To	Hrs.	From	To	Hrs.
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DOWN PIPE 12:00 12:30 1/2
 TALK KELLY; THAW RAT HOLE 12:30
 DOWN KELLY + PULL MOUSE
 E + CLEAR FLOOR 6:15 5:30
 WORK ON BARS. 6:5 8:00 1 3/4

DRILLER: Paul Raus
 DRILLER: [Signature]
 DRILLER: [Signature]

CLASSES OF TIME BREAKDOWN
 TOTCO: CONDITIONING MUD: CASING: LOGGING: RIG MAINTENANCE: REAMING CLEANING:
 FISHING: TRIPPING: W.O.C: W. O. ORDERS: MISCELLANEOUS: WORKING PIPE:
 CIRCULATING: CORING: D.S. TESTING: RIG REPAIRS: CONDITION HOLE: LOST CIRC.:
 DID YOU CHECK PREVENTER EQUIPMENT? YES NO

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

IMPERIAL OIL LIMITED

BLOW RIVER E47 Lsd. Sec. Twn. Rge. W. Contractor IOE RIG 3 Month NOV Day 13

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

Table with columns for From, To, Hole Made, Bit Size, Formation, Size-D.P., Stands, Singles, Kelly, Drill. Collar Ft., Core Bbl. Ft. for three tours.

Table with columns for Serial No., Jet, Conventional, Nozzle Size, Bit Wear, T, B, G, Depth, Deviation.

Table with columns for HOURS, Pump Press, Length of Pump Stroke, Strokes Per Min., Liner Size, On Line, Circulating.

Table with columns for Time, Visc., Wt., W L, pH, ADDITIVES - POUNDS, and handwritten notes like 'TOP OF PLUG #1 @ 4903'.

Table with columns for Core No., Depth In, Footage, Hours Run, Depth Out, Recovery.

Table with columns for From, To, Hrs. and handwritten log entries such as 'Lay down 2 1/2', 'Run in 12 stands', 'Casing 200 rods'.

Driller: Phil Rouse

Table with columns for DRG. OUT, CLASSES OF TIME BREAKDOWN, LOGGING, RIG MAINTENANCE, REAMING CLEANING, and DID YOU CHECK PREVENTER EQUIPMENT.

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

(200 bks.-5-68)

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 189

O.E. BLDW RIVER E47 Lsd. Sec. Twn. Rge. W. Contractor DE RIG 3 Month 401 Day 12

1st Tour From: **12:00** Midnight To: **8:00** a.m. 2nd Tour From: **3:00** a.m. To: **4:00** p.m. 3rd Tour From: **4:00** p.m. To: **12:00** p.m.

1st Tour						2nd Tour						3rd Tour													
From	To	Hole Made	Bit Size	Formation		From	To	Hole Made	Bit Size	Formation		From	To	Hole Made	Bit Size	Formation									
00			9 1/2			14000																			
Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.		Size-D.P.	S ds	Singles	Kel v	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.								
107	2																								
INDICATOR WEIGHT OF TOTAL						INDICATOR WEIGHT OF TOTAL						INDICATOR WEIGHT OF TOTAL													
130						DATA						DATA													
Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed	No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed	No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed

Serial No.	Jet <input type="checkbox"/> Conventional <input type="checkbox"/>	Bit Serial No.	Jet <input type="checkbox"/> Conventional <input type="checkbox"/>	Bit Serial No.	Jet <input type="checkbox"/> Conventional <input type="checkbox"/>
Bit Size	Bit Wear: T..... B..... G.....	Nozzle Size	Bit Wear: T..... B..... G.....	Nozzle Size	Bit Wear: T..... B..... G.....

HOURS					HOURS					HOURS						
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.
		850	8 1/2	125	6 1/4											

Visc.	Wt.	W L	pH	ADDITIVES — POUNDS		Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS		Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	
											PLUG #1 9950-10050 100 SKS PLUS 270 HR12 PLUG DOWN @ 9:30 AM 86466 PIONOX								

No.	Depth In	Footage	Hours Run	Depth Out	Recovery	No.	Depth In	Footage	Hours Run	Depth Out	Recovery	No.	Depth In	Footage	Hours Run	Depth Out	Recovery
DGE	TEMP	8°															

	From	To	Hrs.		From	To	Hrs.		From	To	Hrs.
LOCALITY SURVEY	12:00	1:00	1	G.I.C.	8:00	9:00	1	Run COLLARS	4:00	5:00	1
DOWN LOGGING TOOLS	1:00	1:15	1/4	Line SCHEDULED	9:00	9:15	1/4	Line SCHEDULED	5:00	5:15	1/4
AP IN MEASURE + SPRAY PIPE	1:15	6:00	4 3/4	TRIP OUT	9:15	11:30	2 1/2	Line SCHEDULED	5:15	5:30	1/4
COLLATE	6:00	8:00	2	TRIP OUT - 73 - 4000	11:30	12:00	3/4	Line SCHEDULED	5:30	5:45	1/4
				TRIP OUT - 73 - 4000	12:30	12:30	0	Line SCHEDULED	5:45	6:00	1/4
				TRIP OUT - 73 - 4000	12:30	12:30	0	Line SCHEDULED	6:00	6:15	1/4
				TRIP OUT - 73 - 4000	12:30	12:30	0	Line SCHEDULED	6:15	6:30	1/4
				TRIP OUT - 73 - 4000	12:30	12:30	0	Line SCHEDULED	6:30	6:45	1/4
				TRIP OUT - 73 - 4000	12:30	12:30	0	Line SCHEDULED	6:45	7:00	1/4
				TRIP OUT - 73 - 4000	12:30	12:30	0	Line SCHEDULED	7:00	7:15	1/4
				TRIP OUT - 73 - 4000	12:30	12:30	0	Line SCHEDULED	7:15	7:30	1/4
				TRIP OUT - 73 - 4000	12:30	12:30	0	Line SCHEDULED	7:30	7:45	1/4
				TRIP OUT - 73 - 4000	12:30	12:30	0	Line SCHEDULED	7:45	8:00	1/4
				TRIP OUT - 73 - 4000	12:30	12:30	0	Line SCHEDULED	8:00	8:15	1/4
				TRIP OUT - 73 - 4000	12:30	12:30	0	Line SCHEDULED	8:15	8:30	1/4
				TRIP OUT - 73 - 4000	12:30	12:30	0	Line SCHEDULED	8:30	8:45	1/4
				TRIP OUT - 73 - 4000	12:30	12:30	0	Line SCHEDULED	8:45	9:00	1/4
				TRIP OUT - 73 - 4000	12:30	12:30	0	Line SCHEDULED	9:00	9:15	1/4
				TRIP OUT - 73 - 4000	12:30	12:30	0	Line SCHEDULED	9:15	9:30	1/4
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				TRIP OUT - 73 - 4000	12:30	12:30	0	Line SCHEDULED	10:30	10:45	1/4
				TRIP OUT - 73 - 4000	12:30	12:30	0	Line SCHEDULED	10:45	11:00	1/4
				TRIP OUT - 73 - 4000	12:30	12:30	0	Line SCHEDULED	11:00	11:15	1/4
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				TRIP OUT - 73 - 4000	12:30	12:30	0	Line SCHEDULED	11:45	12:00	1/4
				TRIP OUT - 73 - 4000	12:30	12:30	0	Line SCHEDULED	12:00	12:15	1/4
				TRIP OUT - 73 - 4000	12:30	12:30	0	Line SCHEDULED	12:15	12:30	1/4
				TRIP OUT - 73 - 4000	12:30	12:30	0	Line SCHEDULED	12:30	12:45	1/4
				TRIP OUT - 73 - 4000	12:30	12:30	0	Line SCHEDULED	12:45	1:00	1/4
				TRIP OUT - 73 - 4000	12:30	12:30	0	Line SCHEDULED	1:00	1:15	1/4
				TRIP OUT - 73 - 4000	12:30	12:30	0	Line SCHEDULED	1:15	1:30	1/4
				TRIP OUT - 73 - 4000	12:30	12:30	0	Line SCHEDULED	1:30	1:45	1/4
				TRIP OUT - 73 - 4000	12:30	12:30	0	Line SCHEDULED	1:45	2:00	1/4
				TRIP OUT - 73 - 4000	12:30	12:30	0	Line SCHEDULED	2:00	2:15	1/4
				TRIP OUT - 73 - 4000	12:30	12:30	0	Line SCHEDULED	2:15	2:30	1/4
				TRIP OUT - 73 - 4000	12:30	12:30	0	Line SCHEDULED	2:30	2:45	1/4
				TRIP OUT - 73 - 4000	12:30	12:30	0	Line SCHEDULED	2:45	3:00	1/4
				TRIP OUT - 73 - 4000	12:30	12:30	0	Line SCHEDULED	3:00	3:15	1/4
				TRIP OUT - 73 - 4000	12:30	12:30	0	Line SCHEDULED	3:15	3:30	1/4
				TRIP OUT - 73 - 4000	12:30	12:30	0	Line SCHEDULED	3:30	3:45	1/4
				TRIP OUT - 73 - 4000	12:30	12:30	0	Line SCHEDULED	3:45	4:00	1/4
				TRIP OUT - 73 - 4000	12:30	12:30	0	Line SCHEDULED	4:00	4:15	1/4
				TRIP OUT - 73 - 4000	12:30	12:30	0	Line SCHEDULED	4:15	4:30	1/4
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				TRIP OUT - 73 - 4000	12:30	12:30	0	Line SCHEDULED	4:45	5:00	1/4
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				TRIP OUT - 73 - 4000	12:30	12:30	0	Line SCHEDULED	5:15	5:30	1/4
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				TRIP OUT - 73 - 4000	12:30	12:30	0	Line SCHEDULED	5:45	6:00	1/4
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				TRIP OUT - 73 - 4000	12:30	12:30	0	Line SCHEDULED	6:45	7:00	1/4
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				TRIP OUT - 73 - 4000	12:30	12:30	0	Line SCHEDULED	8:30	8:45	1/4
				TRIP OUT - 73 - 4000	12:30	12:30	0	Line SCHEDULED	8:45	9:00	1/4
				TRIP OUT - 73 - 4000	12:30	12:30	0	Line SCHEDULED	9:00	9:15	1/4
				TRIP OUT - 73 - 4000	12:30	12:30	0	Line SCHEDULED	9:15	9:30	1/4
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				TRIP OUT - 73 - 4000	12:30	12:30	0	Line SCHEDULED	9:45	10:00	1/4
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				TRIP OUT - 73 - 4000	12:30	12:30	0	Line SCHEDULED	10:45	11:00	1/4
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				TRIP OUT - 73 - 4000	12:30	12:30	0	Line SCHEDULED	11:45	12:00	1/4
				TRIP OUT - 73 - 4000	12:30	12:30	0	Line SCHEDULED	12:00	12:15	1/4
				TRIP OUT - 73 - 4000	12:30	12:30	0	Line SCHEDULED	12:15	12:30	1/4
				TRIP OUT - 73 - 4000	12:30	12:30	0	Line SCHEDULED	12:30	12:45	1/4
				TRIP OUT - 73 - 4000	12:30	12:30	0	Line SCHEDULED	12:45	1:00	1/4
				TRIP OUT - 73 - 4000	12:30	12:30	0	Line SCHEDULED	1:00	1:15	1/4
				TRIP OUT - 73 - 4000	12:30	12:30	0	Line SCHEDULED	1:15	1:30	1/4
				TRIP OUT - 73 - 4000	12:30	12:30	0	Line SCHEDULED	1:30	1:45	1/4
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				TRIP OUT - 73 - 4000	12:30	12:30	0	Line SCHEDULED	2:45	3:00	1/4
				TRIP OUT - 73 - 4000	12:30	12:30	0	Line SCHEDULED	3:00	3:15	1/4
				TRIP OUT - 73 - 4000	12:30	12:30	0	Line SCHEDULED	3:15	3:30	1/4
				TRIP OUT - 73 - 4000	12:30	12:30	0	Line SCHEDULED	3:30	3:45	1/4
				TRIP OUT - 73 - 4000	12:30	12:30	0	Line SCHEDULED	3:45	4:00	1/4
				TRIP OUT - 73 - 4000	12:30	12:30	0	Line SCHEDULED	4:00	4:15	1/4
				TRIP OUT - 73 - 4000	12:30	12:30	0	Line SCHEDULED	4:15	4:30	1/4
				TRIP OUT - 73 - 4000	12						

IMPERIAL OIL LIMITED

10E BLOW RIVER E47 Lsd. Sec. Twn. Rge. W. Contractor IDE-2123 Month NOV Day 11

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

Table with columns for From, To, Hole Made, Bit Size, Formation, and various drilling parameters like Stands, Singles, Kelly, Drill, Collar Ft., Core Bbl. Ft.

Table with columns for Serial No., Jet, Conventional, Nozzle Size, Bit Wear, and Deviation.

Table with columns for HOURS, Pump Press, Length of Pump Stroke, Strokes Per Min., and Liner Size.

Table with columns for Time, Visc., Wt., W L, pH, and ADDITIVES - POUNDS.

Table with columns for Core No., Depth In, Footage, Hours Run, Depth Out, and Recovery.

Table with columns for From, To, Hrs. and handwritten entries like 'DOWN REAMERS + 8 1/2 DC', 'DOWN CORE BARREL', 'MOVE BOT. KELLY COCK', 'UP TO LOG', 'LOGGING'.

Driller: Phil Rowe Driller: Driller:

Table with columns for DRUG. OUT, CLASSES OF TIME BREAKDOWN, LOGGING, RIG MAINTENANCE, REAMING CLEANING, and DID YOU CHECK PREVENTER EQUIPMENT.

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

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 181

IOF Blow River

Lsd. Sec. Twn. Rge. W.

Contractor IOF P.G. 3 Month Nov Day 10

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

Table with columns for From, To, Hole Made, Bit Size, Formation, Stands, Singles, Kelly, Drill. Collar Ft., Core Bbl. Ft., DRILL Number, OD, ID, Length, INDICATOR WEIGHT OF TOTAL, DRILLING STRING, DRILL COLLARS, DATA, No., Type, Time On Bit, Footage, WOB, RPM, Depth Pulled, Total Footage Drilled, Reamed.

Serial No. EJ757 Jet [] Conventional [] Bit Serial No. EJ757 Jet [] Conventional [] Nozzle Size 3-20 Bit Wear: T B G

Table with columns for HOURS, Pump Press, Length of Pump Stroke, Strokes Per Min., Liner Size, Deviation, On Line, Circulating, Pump Press, Length of Pump Stroke, Strokes Per Min., Liner Size.

Table with columns for Visc., Wt., W L, pH, ADDITIVES - POUNDS, CALLARS IN DERRICK 356.68

Table with columns for Core No., Depth In, Footage, Hours Run, Depth Out, Recovery, FRIDGE TEMP 80

Table with columns for From, To, Hrs., LOGGING, TRIP IN LAY DOWN SHOCK, SUB SPRAY PIPE, BLOW KELLY + BREAK CIRCULATION, SERVICE RIG, TRIP IN, CIRCULATE, JARS 201 hoo.

Driller: A. Clemente Driller: Phil Rowe Driller: [Signature]

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

Total Contract Time Total Company Time Toolpusher Approved by

200 bks-5-68)

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 186

IOE Bldg R. v. c. 547 Lsd. Sec. Twn. Rge. W. Contractor IOE RIG 3 Month NOV Day 9

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

1st Tour						2nd Tour						3rd Tour													
From	To	Hole Made	Bit Size	Formation	Size-D.P.	From	To	Hole Made	Bit Size	Formation	Size-D.P.	From	To	Hole Made	Bit Size	Formation	Size-D.P.								
14000			9 1/2	3 STABS 11.78 SH SUB 246	14000			9 1/2	3 STABS 11.78 SH SUB 246	14000															
Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.						
14	1	9	732.55	JARS 7.01 SH SUB 246	14	1	9	732.55	JARS 7.01 SH SUB 246	14	1	9	732.55	JARS 7.01 SH SUB 246											
Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL			
24	6 3/4	2 3/8	77.61	DRILLING STRING	DRILL COLLARS	24	6 3/4	2 3/8	77.61	DRILLING STRING	DRILL COLLARS	24	6 3/4	2 3/8	77.61	DRILLING STRING	DRILL COLLARS	24	6 3/4	2 3/8	77.61	DRILLING STRING	DRILL COLLARS		
1	8 3/8	2 3/8	14.94	240	64	1	8 3/8	2 3/8	14.94	240	64	1	8 3/8	2 3/8	14.94	240	64	1	8 3/8	2 3/8	14.94	240	64		
Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed	No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed	No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed
555																									

Jet Conventional
 Bit Wear: TBI B5 G.1
 Bit Serial No. Nozzle Size Bit Wear: T B G
 Deviation

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

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

No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery								
46	Stands Alum pipe					FRIDGE TEMP 10°																			
	h sub 246 hts					46 STDS ALUM. PIPE.																			

From	To	Hrs.	From	To	Hrs.	From	To	Hrs.
12	4:45	4 3/4	8:00	4:00	8			
4:45	5:45	1						
5:45	8	2 1/4						

IARS 200 3/4 hts.
 SH SUB 246 hts.
 Driller: Phil Rowe

CLASSES OF TIME BREAKDOWN
 TOTCO: CONDITIONING MUD: CASING: LOGGING: RIG MAINTENANCE: REAMING CLEANING:
 FISHING: TRIPPING: W.O.C. W.O. ORDERS: MISCELLANEOUS: WORKING PIPE:
 CIRCULATING: CORING: D.S. TESTING: RIG REPAIRS: CONDITION HOLE: LOST CIRC.:
 DID YOU CHECK BY PREVENTER EQUIPMENT YES NO

Total Contract Timehrs. Total Company Timehrs. Toolpusher Approved by

IMPERIAL OIL LIMITED

IOE Blow River E47 Lsd. Sec. Tw. Rge. W. Contractor IOE NAT 3 Month NOV Day 8

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

Table with columns for Hole Made, Bit Size, Formation, Stands, Singles, Kelly, Drill. Collar Ft., Core Bbl. Ft., Size-D.P., and various drilling parameters for three tours.

Serial No. AV238 Jet [] Conventional [] Bit Serial No. AV238 Jet [] Conventional [] Nozzle Size 3-16 Bit Wear: T B G

Table with columns for HOURS, Pump Press, Length of Pump Stroke, Strokes Per Min., and Liner Size for three tours.

Table with columns for Visc., Wt., W L, pH, and ADDITIVES - POUNDS for three tours.

Table with columns for Core No., Depth In, Footage, Hours Run, Depth Out, and Recovery for three tours.

FRIDGE TEMP 10° 46 STDS ALUM. PIPE DRILLING 8:00 4:00 8

ARS 1954 SH SUB 231 DRILLING 12 8 8

46 Stand Alum pipe FRIDGE TEMP 10° Large Barr Pipe Kelly BLUE IN SH SUB 239 100 WARS 193 1/2 4

CLASSES OF TIME BREAKDOWN: TOTCO, 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.

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

IMPERIAL OIL LIMITED

10E. BLOW RIVER Lsd. E47 Sec. Twn. Rge. W. Contractor NAT.3 Month 11 Day 7

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

Table with columns for From, To, Hole Made, Bit Size, Formation, Size-D.P., Stands, Singles, Kelly, Drill, Collar Ft., Core Bbl. Ft., No., Type, Time On Bit, Footage, WOB, RPM, Depth Pulled, Total Footage Drilled, Reamed.

Serial No. AV238 Jet [X] Conventional [] Bit Serial No. AV238 Jet [X] Conventional [] Nozzle Size 3-16 Bit Wear: T B G

Table with columns for HOURS, Pump Press, Length of Pump Stroke, Strokes Per Min., Liner Size, On Line, Circulating.

Table with columns for Time, Visc., Wt., W L, pH, ADDITIVES - POUNDS.

Table with columns for Core No., Depth In, Footage, Hours Run, Depth Out, Recovery.

Table with columns for From, To, Hrs., DRILLING, SERVICE RI., DRILLING.

JARS 162 HRS. 15 SUB. 298 HRS. Driller: [Signature]

JARS 169 3/4 SH. SUB 215 3/4 Driller: Phil Rowe

JARS 177 3/4 - 15 Driller: [Signature]

CLASSES OF TIME BREAKDOWN: DRG. OUT, TOTCO, FISHING, CIRCULATING, CONDITIONING MUD, TRIPPING, CORING, CASING, W.O.C., D.S. TESTING, LOGGING, W.O. ORDERS, RIG REPAIRS, RIG MAINTENANCE, MISCELLANEOUS, CONDITION HOLE, REAMING CLEANING, WORKING PIPE, LOST CIRG., DID YOU CHECK PREVENTER EQUIPMENT, YES, NO

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

IMPERIAL OIL LIMITED

IOE: BLOW RIVER Lsd. E47 Sec. Tw. Rge. W. Contractor RIG 3 Month 11 Day 6

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

Table with columns for Hole Made, Bit Size, Formation, Stands, Singles, Kelly, Drill. Collar Ft., Core Bbl. Ft., Size-D.P., and various well parameters for three tours.

Table with columns for Jet, Conventional, Bit Serial No., Nozzle Size, and Bit Wear.

Table with columns for HOURS, Pump Press, Length of Pump Stroke, Strokes Per Min., and Liner Size.

Table with columns for Visc., Wt., W L, pH, and ADDITIVES - POUNDS.

Table with columns for No., Depth In, Footage, Hours Run, Depth Out, and Recovery.

Table with columns for Core No., Depth In, Footage, Hours Run, Depth Out, and Recovery.

Table with columns for 44 STDS. PLUM, DRILLING, and various well parameters.

Table with columns for CLASSES OF TIME BREAKDOWN, CASING, LOGGING, RIG MAINTENANCE, REAMING CLEANING, and DID YOU CHECK S PREVENTER EQUIPMENT.

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

IMPERIAL OIL LIMITED

1.0E. BLOW RIVER E 47 Lsd..... Sec..... Twn..... Rge..... W..... Contractor 1.0E. RIG 3 Month June Day 5

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

Table with columns for From, To, Hole Made, Bit Size, Formation, Size-D.P., Stands, Singles, Kelly, Drill. Collar Ft., Core Bbl. Ft., DRILL Number, OD, ID, Length, INDICATOR WEIGHT OF TOTAL, COLLAR, DATA, No., Type, Time On Bit, Footage, WOB, RPM, Depth Pulled, Total Footage Drilled, Reamed.

Serial No. BT375 Jet [] Conventional [] Nozzle Size 3-16 Bit Wear: T..... B..... G.....

Table with columns for HOURS, Pump Press, Length of Pump Stroke, Strokes Per Min., Liner Size, On Line, Circulating.

Table with columns for Time, Visc., Wt., W L, pH, ADDITIVES - POUNDS.

Table with columns for Core No., Depth In, Footage, Hours Run, Depth Out, Recovery.

Table with columns for From, To, Hrs., PULL OUT, NECK BLIND & PIPE RAMS, SERVICE RIG, RUN IN: PICK UP, LUM DP: MIX CRONOX, CUT LINE, DRILLING.

Driller: [Signature] Classes of Time Breakdown: TOTCO, FISHING, CIRCULATING, CONDITIONING MUD, TRIPPING, CORING, CASING, W.O.C., D.S. TESTING, LOGGING, W.O. ORDERS, RIG REPAIRS, RIG MAINTENANCE, MISCELLANEOUS, CONDITION HOLE, REAMING CLEANING, WORKING PIPE, LOST CIRC., DID YOU CHECK PREVENTER EQUIPMENT YES [] NO []

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

IMPERIAL OIL LIMITED

IDE. BLOW RIVER V.T. E47 Lsd. Sec. Tw. Rge. W. Contractor NAT.3 Month 11 Day 4

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

Table with columns for Hole Made, Bit Size, Formation, Size-D.P., Stands, Singles, Kelly, Drill. Collar Ft., Core Bbl. Ft., and various well parameters for three tours.

Serial No. FE880 Jet [] Conventional [] Bit Serial No. FE880 Jet [] Conventional [] Nozzle Size 3-18 Bit Wear: T. B. G.

Table with columns for HOURS, Pump Press, Length of Pump Stroke, Strokes Per Min., and Liner Size for three tours.

Table with columns for Visc., Wt., W L, pH, and ADDITIVES - POUNDS for three tours.

No. Depth In Footage Hours Run Depth Out Recovery Core No. Depth In Footage Hours Run Depth Out Recovery

Table with columns for Run In, Service Rig, Drilling, and various well parameters including JARS, SHOCK SUB, and FIRE EXTIN. DISCHERS.

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.

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

DID YOU CHECK B PREVENTER EQUIPMENT YES NO

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 120

10E BLOW RIVER YI E47 Lsd.

Sec. Tw. Rge. W.

Contractor NAT 3

Month Nov Day 3

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

Table with columns for Stands, Singles, Kelly, Drill. Collar Ft., Core Bbl. Ft., Size-D.P., Stands, Singles, Kelly, Drill. Collar Ft., Core Bbl. Ft., Size-D.P., Stands, Singles, Kelly, Drill. Collar Ft., Core Bbl. Ft. Includes handwritten data for three tours.

Table with columns for Bit Serial No., Jet, Conventional, Nozzle Size, Bit Wear, Depth, Deviation. Includes handwritten data for three tours.

Table with columns for HOURS, Pump Press, Length of Pump Stroke, Strokes Per Min., Liner Size. Includes handwritten data for three tours.

Table with columns for Visc., Wt., W L, pH, ADDITIVES - POUNDS. Includes handwritten data for three tours.

Table with columns for No., Depth In, Footage, Hours Run, Depth Out, Recovery. Includes handwritten data for three tours.

Table with columns for Drilling, Service Pig, Drilling, TOTCO, SHUG PIPE TRIP OUT, JARS, SH. SUB. Includes handwritten notes and times.

Table with columns for CLASSES OF TIME BREAKDOWN, CASING, LOGGING, RIG MAINTENANCE, REAMING CLEANING, DID YOU CHECK. Includes handwritten breakdown of time.

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

IMPERIAL OIL LIMITED

10E Blow River Lsd. Sec. Tw. Rge. W. Contractor NAT. 3 Month Max. Day 2

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

Table with columns for From, To, Hole Made, Bit Size, Formation, Stands, Singles, Kelly, Drill. Collar Ft., Core Bbl. Ft., Size-D.P., etc. for three tours.

Serial No. 302906 Jet [] Conventional [] Bit Serial No. 302906 Jet [] Conventional []

Table with columns for HOURS, Pump Press, Length of Pump Stroke, Strokes Per Min., Liner Size.

Table with columns for Visc., Wt., W L, pH, ADDITIVES - POUNDS.

Table with columns for Core No., Depth In, Footage, Hours Run, Depth Out, Recovery.

Table with columns for From, To, Hrs. and descriptions of work done during the tour.

CLASSES OF TIME BREAKDOWN: DRUG. OUT, TOTCO, FISHING, CIRCULATING, etc. Total Contract Time, Total Company Time, Toolpusher, Approved by.

DID YOU CHECK PREVENTER EQUIPMENT? YES [] NO []

IMPERIAL OIL LIMITED

10E Blaw River vt E47 Lsd. Sec. Tw. Rge. W. Contractor NAT 3 Month NOV Day 1

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

Table with columns for From, To, Hole Made, Bit Size, Formation, Size-D.P., Stands, Singles, Kelly, Drill, Collar Ft., Core Bbl. Ft. for three tours.

Table with columns for DRILL Number, OD, ID, Length, INDICATOR WEIGHT OF TOTAL, COLLAR, DATA for three tours.

Table with columns for No., Type, Time On Bit, Footage, WOB, RPM, Depth Pulled, Total Footage Drilled, Reamed for three tours.

Table with columns for Bit Serial No., Jet, Conventional, Nozzle Size, Bit Wear, T, B, G, Deviation, HOURS, Pump Press, Length of Pump Stroke, Strokes Per Min., Liner Size.

Table with columns for Time, Visc., Wt., W L, pH, ADDITIVES - POUNDS for three tours.

Table with columns for Core No., Depth In, Footage, Hours Run, Depth Out, Recovery for three tours.

Table with columns for From, To, Hrs. for activities like DRILLING, SERVICE RIG CHECK, SURVEY, SLUG PIPE BLOW OUT, PULL OUT.

DRILLER: H. J. ... DRILLER: ... DRILLER: ...

Table with columns for DRLG. OUT, CLASSES OF TIME BREAKDOWN, CASING, LOGGING, RIG MAINTENANCE, REAMING CLEANING, DID YOU CHECK PREVENTER EQUIPMENT.

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

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 1

10E BLON RIVER Y T EAR Lsd Sec Twr Rge W Contractor MAT 3 Month OCT Day 31

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

Table with columns for From, To, Hole Made, Bit Size, Formation, Size-D.P., Stands, Singles, Kelly, Drill, Collar Ft., Core Bbl. Ft., etc. for three tours.

Series No. 301109 Jet [] Conventional [] Bit Serial No. 301109 Jet [] Conventional []

Table with columns for HOURS, Pump Press, Length of Pump Stroke, Strokes Per Min., Liner Size.

Table with columns for Time, Visc., Wt., W L, pH, ADDITIVES - POUNDS.

Table with columns for Core No., Depth In, Footage, Hours Run, Depth Out, Recovery.

Table with columns for From, To, Hrs. and detailed work logs for three tours.

Driller: [Signature] [Signature] [Signature]

CLASSES OF TIME BREAKDOWN: TOTCO, FISHING, CIRCULATING, CASING, LOGGING, RIG MAINTENANCE, REAMING CLEANING, etc.

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

IMPERIAL OIL LIMITED

JOE BLOW RIVER Y T E 47 Lsd Sec Twn Rge W Contractor NAT 3 Month OCT Day 30

Table with 3 columns for 1st, 2nd, and 3rd tours. Each column contains fields for From, To, Hole Made, Bit Size, Formation, Size-D.P., Stands, Singles, Kelly, Drill Collar Ft., Core Bbl. Ft., DRILL Number, OD, ID, Length, INDICATOR WEIGHT OF TOTAL, COLLAR, DATA, No., Type, Time On Bit, Footage, WOB, RPM, Depth Pulled, Total Footage Drilled, Reamed.

Table with 3 columns for 1st, 2nd, and 3rd tours. Each column contains fields for Serial No., Jet (checked), Conventional, Nozzle Size, Bit Wear (T, B, G), Depth, Deviation.

Table with 3 columns for 1st, 2nd, and 3rd tours. Each column contains fields for HOURS (On Line, Circulating), Pump Press, Length of Pump Stroke, Strokes Per Min., Liner Size.

Table with 3 columns for 1st, 2nd, and 3rd tours. Each column contains fields for Time, Visc., Wt., W L, pH, ADDITIVES - POUNDS (e.g., GEL-4000, CAUSTIC-50, PELTEX-25, SANDUST-56 BAGS, FIBRE-4 BAGS).

Table with 3 columns for 1st, 2nd, and 3rd tours. Each column contains fields for Core No., Depth In, Footage, Hours Run, Depth Out, Recovery.

Table with 3 columns for 1st, 2nd, and 3rd tours. Each column contains fields for From, To, Hrs. (e.g., 25 stands, hole taking 1 1/2, RUN BACK TO BOTTOM, LOST WIRE MATERIAL + BELT, RIP SAME, MUD LEVEL IN HOLE, SANDUST FIBRE + GEL, JAMS 66# HAS, OCA SUB 112# HAS).

Driller: H. L. ... Driller: ... Driller: ...

Table with 3 columns for 1st, 2nd, and 3rd tours. Each column contains fields for CLASS OF TIME BREAKDOWN (TOTCO, FISHING, CIRCULATING, CASING, LOGGING, RIG MAINTENANCE, REAMING CLEANING) and DID YOU CHECK PREVENTER EQUIPMENT (YES, NO).

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

IMPERIAL OIL LIMITED

Blow River Y T E 47 Lsd. Sec. Twn. Rge. W. Contractor N.P.T. 3 Month OCT Day 27

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

Table with columns for Hole Made, Bit Size, Formation, Stands, Singles, Kelly, Drill. Collar Ft., Core Bbl. Ft., Size-D.P., Drilling String, Drill Collars, etc. for three tours.

Serial No. 301190 Jet [] Conventional [] Bit Serial No. 301190 Jet [] Conventional [] Nozzle Size 2-14-1-13 Bit Wear: T B G

Table with columns for HOURS, Pump Press, Length of Pump Stroke, Strokes Per Min., Liner Size, On Line, Circulating.

Table with columns for Time, Visc., Wt., W L, pH, ADDITIVES - POUNDS.

Table with columns for Core No., Depth In, Footage, Hours Run, Depth Out, Recovery.

Handwritten notes and logs including 'Circulating 400 PPSI', 'MIX MUD - MOST CIRC. MATERIAL 4 11', 'CHECK HOLE FOR FLOW MUD LEVEL', 'SLUG PIPE - BLOW OUT', 'KELLY PULL OUT', 'JARS 66 3/4 SUB 112 3/4', 'FREEZE TEMP 14°'.

CLASSES OF TIME BREAKDOWN: DRILG. OUT, TOTCO, FISHING, CIRCULATING, CONDITIONING MUD, TRIPPING, CORING, CASING, W.O.C., D.S. TESTING, LOGGING, W.O. ORDERS, RIG REPAIRS, RIG MAINTENANCE, MISCELLANEOUS, CONDITION HOLE, REAMING CLEANING, WORKING PIPE, LOST CIRC., DID YOU CHECK PREVENTER EQUIPMENT, YES, NO.

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

IMPERIAL OIL LIMITED

106 BLOW RIVER T 47 Lsd..... Sec..... Twn..... Rge..... W..... Contractor NAT 3 Month OCT Day 28

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

Table with columns for From, To, Hole Made, Bit Size, Formation, Stands, Singles, Kelly, Drill, Collar Ft., Core Bbl. Ft., etc. for three tours.

Serial No. 301190 Jet [] Conventional [] Bit Serial No. 301190 Jet [] Conventional []

Nozzle Size 2-14-1-13 Bit Wear: T..... B..... G.....

Table with columns for HOURS, Pump Press, Length of Pump Stroke, Strokes Per Min., Liner Size.

Table with columns for Time, Visc., Wt., W L, pH, ADDITIVES — POUNDS.

Table with columns for Core No., Depth In, Footage, Hours Run, Depth Out, Recovery.

Table with columns for From, To, Hrs., IN IN DRILL PIPE CASING, DRILLING, SERVICE PIC, DRILLING.

High Winds Trouble Running Dracks JARS 45 HRS BACK SUB 90 1/2 HRS Driller: H. Martinez

Table with columns for CLASSES OF TIME BREAKDOWN: TOTCO, CONDITIONING MUD, CASING, LOGGING, RIG MAINTENANCE, REAMING CLEANING, etc.

Total Contract Timehrs. Total Company Timehrs. Toolpusher Approved by

DID YOU CHECK PREVENTER EQUIPMENT YES

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 175

10 E Basin Area 4 F47 Lsd. CR Sec. 50 Twn. 27 Rge. 15 W. Contractor 1153 Month. Oct Day. 27

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

1st Tour						2nd Tour						3rd Tour						
From	To	Hole Made	Bit Size	Formation		From	To	Hole Made	Bit Size	Formation		From	To	Hole Made	Bit Size	Formation		
13390	13400	32	9 1/2	2 STABS 11.78 2 REAMERS 12.23	13390	13400	10	9 1/2	2 STABS 11.78 2 REAMERS 12.23	13400				9 1/2	2 STABS 2 REAMERS			
S.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	S.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	S.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	
	135	-	36	732.55	2.01		4 1/2	135	-	26	732.55	2.01		4 1/2			732.55	2.01
INDICATOR WEIGHT OF TOTAL						INDICATOR WEIGHT OF TOTAL						INDICATOR WEIGHT OF TOTAL						
DRILL	Number	OD	ID	Length		DRILL	Number	OD	ID	Length		DRILL	Number	OD	ID	Length		
COLLAR	24	6 3/4	2 3/8	717.61		COLLAR	24	6 3/4	2 3/8	717.61		COLLAR	24	6 3/4	2 3/8	717.61		
DATA	1	8 1/2	2 3/8	1494	250	DATA	1	8 1/2	2 3/8	1494	250	DATA	1	8 1/2	2 3/8	1494	250	
Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	
2	40 3/4	32	52	40	135	72	43	10	52	40	13400	145	73	1188				

Serial No. 311732	Jet <input checked="" type="checkbox"/> Conventional <input type="checkbox"/>	Bit Serial No. BM 732	Jet <input type="checkbox"/> Conventional <input checked="" type="checkbox"/>	Bit Serial No. 301190	Jet <input checked="" type="checkbox"/> Conventional <input type="checkbox"/>
Nozzle Size 2-14-1-13	Bit Wear: T..... B..... G.....	Nozzle Size 2-14-1-13	Bit Wear: T..... B..... G.....	Nozzle Size 2-14-1-13	Bit Wear: T..... B..... G.....
Deviation		Deviation 15'		Deviation	

HOURS					HOURS					HOURS							
Line	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	Line	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	Line	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
			72	120	6 3/4	2 3/8		1675	8 1/2	125	6 3/4						

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
50	2.7			7.1	CAUSTIC 5.00	70	4.1			12	SPARC 5.00						
17	2.7			1.1	PLTIX 50												
47	2.7			1.7	BLT 50												
71	2.7			1.1													

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery
FEAR 13390-13400	13390	10		13400													

From	To	Hrs.	From	To	Hrs.	From	To	Hrs.
12:00	8:00	8	8:00	10:13	2 1/4	4:00	4:45	45
DRILLING			DRILLING			FINISH TRIP OUT		
Totals - 13,390			Totals - 13,390			Change Roller - Bleck, w Pin		
Slug pipe, Blank Kelly, Trip out 1/2			Slug pipe, Blank Kelly, Trip out 1/2			String Reamer - Bottom		
						5th Quarter		
						Trip in side camera 20		
						Change Risk - Band		
						Cut wire service		
						TRIP IN SIDE CAMERA 11:00		
						TRIP IN SIDE CAMERA 11:00		

Driller: J.P. [Signature]	Driller: J. [Signature]	Driller: J. [Signature]
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CLASSES OF TIME BREAKDOWN DRUG. OUT: _____ 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 CURC.: _____ DID YOU CHECK PREVENTER EQUIPMENT? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	Total Contract Time _____ hrs.	Total Company Time _____ hrs.	Toolpusher: [Signature]	Approved by: [Signature]
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IMPERIAL OIL LIMITED

10 E. Broadway St. P.H.T. Lsd. 6R. Sec. 5.0. Twn. 13.7 Rge. 2.5 W. Contractor 114-3 Month Oct Day 21

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

1st Tour										2nd Tour										3rd Tour											
From	To	Hole Made	Bit Size	Formation						From	To	Hole Made	Bit Size	Formation						From	To	Hole Made	Bit Size	Formation							
281	13302	21	9 1/2	25' x 25' 11.78 2 REMAINS 12.88						13302	13327	25	9 1/2	25' x 25' 11.78 2 REMAINS 12.88						13327	13358	31	9 5/8	25' x 25' 11.78 2 REMAINS 12.88							
D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.					Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.					Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.						
1/2	134	-	30	732.55	25' x 25' 7.01 S.N. 252 8.94					1/2	134	1	36	732.55	25' x 25' 7.01 S.N. 252 8.94					1/2	134	2	38	732.55	25' x 25' 7.01 S.N. 252 8.94						
DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL					DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL					DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL						
COLLAR	24	6 3/4	2 3/8	717.61	DRILLING STRING DRILL COLLARS					COLLAR	24	6 3/4	2 3/8	717.61	DRILLING STRING DRILL COLLARS					COLLAR	24	6 3/4	2 3/8	717.61	DRILLING STRING DRILL COLLARS						
DATA	1	8 1/2	2 3/8	14.94	250					DATA	1	8 1/2	2 3/8	14.94	250					DATA	1	8 1/2	2 3/8	14.94	250						
Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled Reamed				No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled Reamed				No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled Reamed			
2	XSSR	17 1/2	21	50	40	47				72	XSSR	25	25	50	53	40	72				72	XSSR	32	31	50	52	41	103			

Serial No. 3M732	Jet <input checked="" type="checkbox"/> Conventional <input type="checkbox"/>	Bit Serial No. 3M732	Jet <input checked="" type="checkbox"/> Conventional <input type="checkbox"/>	Bit Serial No. 3M732	Jet <input checked="" type="checkbox"/> Conventional <input type="checkbox"/>
Nozzle Size 2-14 1-13	Bit Wear: T B G	Nozzle Size 2-14 1-13	Bit Wear: T B G	Nozzle Size 2-14 1-13	Bit Wear: T B G

HOURS						Deviations					
On Line	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	Depth	Deviations	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
1775		8 1/2	122	2 1/4		7 1/2		7 1/2	8 1/2	125	2 1/4

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
4:00	2.8	1.4			DRILLING
4:10	2.8	1.4			20% ASTIC 30
4:17	2.8	1.4			0 Foam - 6 gal
4:27	2.8	1.4			

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery

From	To	Hrs.	From	To	Hrs.	From	To	Hrs.
DRILLING	12:00	8:00	DRILLING	8:30	2:45	JARS	3:00	3:15
			SERVICE RIG, MATHIE			DRILLING		4:00
			PUMP HOLES CHECK RIG			DRILLING		4:15
			COCK & BOTTLE VALVE			DRILLING		4:30
			DRILLING	2:30	2:45			
			JARS 25 HAS					
			SHEAR 54670 HAS					

Driller: <i>[Signature]</i>	Driller: <i>[Signature]</i>	Driller: <i>[Signature]</i>
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CLASSES OF TIME BREAKDOWN	TOTCO:	CONDITIONING MUD:	CASING: W.O.C.	LOGGING: W.O. ORDERS:	RIG MAINTENANCE: MISCELLANEOUS:	REAMING CLEANING: WORKING PIPE:	DID YOU CHECK PREVENTER EQUIPMENT?
FISHING:	TRIPPING:	CORING:	D.S. TESTING:	RIG REPAIRS:	CONDITION HOLE:	LOST CIRC:	YES

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

(200 bks. 5-68)

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 171

105 Blomberg Ave. # 1247 Lsd. 68 Sec. 10 Twn. 127 Rge. 15 W Contractor: [Signature] Month Oct Day 25

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

1st Tour						2nd Tour						3rd Tour					
From	To	Hole Made	Bit Size	Formation	Formation	From	To	Hole Made	Bit Size	Formation	Formation	From	To	Hole Made	Bit Size	Formation	Formation
41	13255	14	9 1/2	23-40	11-78	13255	13260	5	9 1/2	STABS	11-28	13260	13281	21	9 1/2	25-45	11-78
P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
2	133	1	10	732.55	546 7 1/8	4 1/2	133	1	10	732.55	646 8 9/16	4 1/2	133	2	10	732.55	546 7 1/8
INDICATOR WEIGHT OF TOTAL						INDICATOR WEIGHT OF TOTAL						INDICATOR WEIGHT OF TOTAL					
DR	24	6 3/4	2 1/2	761	DRILLING STRING	DRILLING STRING	DRILL COLLARS	DRILLING STRING	DRILL COLLARS	DRILLING STRING	DRILL COLLARS	DRILLING STRING	DRILL COLLARS	DRILLING STRING	DRILL COLLARS	DRILLING STRING	DRILL COLLARS
DATA						DATA						DATA					
Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled
555	45	14	50	40	13255-230	72	555R	1 1/2	5	45	40	72	555R	33-50	36-41		25

Bit Serial No. SV 713 Jet Conventional Bit Serial No. BM 732 Jet Conventional Bit Serial No. AM 732 Jet Conventional

Nozzle Size 2 1/4 Bit Wear: T 8 B 8 G 8 Nozzle Size 2 1/4 Bit Wear: T 8 B 8 G 8 Nozzle Size 2 1/4 Bit Wear: T 8 B 8 G 8

Depth 13240 Deviation 15 1/2 Depth 13240 Deviation 15 1/2 Depth 13240 Deviation 15 1/2

HOURS					HOURS					HOURS						
On Line	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	On Line	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	On Line	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.		
		17	2 1/2	135	2 1/2			450	2 1/2	135	2 1/2			8	2000	2 1/2

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
3	??	??	7.7	4.0	ADDITIVE 2500							4	??	??	1.1	??	500

No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery

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

Driller: [Signature] Driller: [Signature] Driller: [Signature]

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

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

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 170

10 E. Broad Street, N.E. 47 Lsd. 68 Sec. 70 Twn. 137 Rge. 15 W Contractor 45-3 Month Jan Day 24

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

1st Tour										2nd Tour										3rd Tour									
From	To	Hole Made	Bit Size	Formation		From	To	Hole Made	Bit Size	Formation		From	To	Hole Made	Bit Size	Formation													
120131K	3R	7 1/2	5 1/2	5 1/2	7.16	13158	13200	42	7 1/2	5 1/2	11.78	13200	13241	41	7 1/2	5 1/2	11.78												
Stands	Singles	Kelly	Drill Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill Collar Ft.	Core Bbl. Ft.	Size-D.P.												
132	1	16	732.55	21.45	11.86	42	133	35	732.55	56.56	8.96	42	133	1	24	732.55	8.96												
DRILL Number	OD	ID	Length	INDICATOR	WEIGHT OF TOTAL	DRILL Number	OD	ID	Length	INDICATOR	WEIGHT OF TOTAL	DRILL Number	OD	ID	Length	INDICATOR	WEIGHT OF TOTAL												
24	6 3/4	2 7/8	717.6	DRILLING STRING	DRILL COLLARS	24	6 3/4	2 7/8	717.6	DRILLING STRING	DRILL COLLARS	24	6 3/4	2 7/8	717.6	DRILLING STRING	DRILL COLLARS												
Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamer	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamer	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamer						
SSS	26 1/2	3R	50	40		135	6	71	55	34 1/2	42	50	40		175	6	71	55	42 1/2	41	50	40		216					

Serial No. BV710 Jet Conventional Bit Serial No. BV710 Jet Conventional
 Nozzle Size 2-14 1-13 Bit Wear: T B G Nozzle Size 2-14 1-13 Bit Wear: T B G

1st Tour						2nd Tour						3rd Tour					
HOURS						HOURS						HOURS					
Line	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min	Liner Size	Line	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min	Liner Size	Line	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min	Liner Size
1		100	2	2	4 1/2	3		110	8 1/2	25	6 1/2	1		100	2	2	4 1/2

1st Tour						2nd Tour						3rd Tour					
ADDITIVES - POUNDS						ADDITIVES - POUNDS						ADDITIVES - POUNDS					
Time	Visc.	Wt.	W L	pH	ADDITIVES - POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES - POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES - POUNDS
12:00	1.7	2.7	1.2	7.2	Down 10"	12:00	1.7	2.7	1.2	7.2	Down 10"	12:00	1.7	2.7	1.2	7.2	Down 10"

1st Tour						2nd Tour						3rd Tour					
Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery

Driller: J. L. ... Driller: H. ... Driller: J. ...

CLASSES OF TIME BREAKDOWN
 DRILLING: TOTCO: CONDITIONING MUD: CASING: LOGGING: RIG MAINTENANCE: REAMING CLEANING: DID YOU CHECK?
 FISHING: TRIPPING: W.O.C. MISCELLANEOUS: WORKING PIPE: REVERTER EQUIPMENT
 CIRCULATING: CORING: D.S. TESTING: RIG REPAIRS: CONDITION HOLE: LOST CIRC.: YES NO

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

2 (200 bks.-5-68)

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 166

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

1st Tour From: 12:00 Midnight To: 8:00 a.m.						2nd Tour From: 8:00 a.m. To: 4:00 p.m.						3rd Tour From: 4:00 p.m. To: 12:00 p.m.						
From	To	Hole Made	Bit Size	Formation	1271	From	To	Hole Made	Bit Size	Formation	13019	From	To	Hole Made	Bit Size	Formation	13025	
13019				2 3/4" S.M.C	6' 3"	13019	13025	6	6 3/4" S.M.C			13025			9 1/2"	2 S.H.B.S		
Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.		Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.		Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.		
1/2			643.18	57.02		4 1/2	131	1	1 1/2	6 + 3.15	5.11		4 1/2			732.55	54.52	

1st Tour						2nd Tour						3rd Tour							
Drill. Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL		Drill. Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL		Drill. Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL			
24	6 1/4	2 3/8	6.28	DRILLING STRING	DRILL COLLARS	21	6 3/4	2 3/8	6.22	DRILLING STRING	DRILL COLLARS	24	6 3/4	2 3/8	7.16	DRILLING STRING	DRILL COLLARS		
Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled		
						7	0	1 1/2	2	12	46	200	6	71	5	5			

Serial No.	Jet <input type="checkbox"/> Conventional <input type="checkbox"/>	Bit Serial No. 5-723	Jet <input type="checkbox"/> Conventional <input type="checkbox"/>	Bit Serial No. 21710	Jet <input checked="" type="checkbox"/> Conventional <input type="checkbox"/>
Nozzle Size	Bit Wear: T B G	Nozzle Size	Bit Wear: T B G	Nozzle Size	Bit Wear: T B

1st Tour						2nd Tour						3rd 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		Hours	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	
On Line	Circulating					On Line	Circulating					On Line	Circulating				
						2 1/2		300	4	32	2 1/2	7					

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
1:00	45	29			7.5	1:00	45	29			7.5						

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery
17	130.4	6	1 1/2	130.4		17	130.4	6	1 1/2	130.4		2					

From	To	Hrs.	From	To	Hrs.	From	To	Hrs.
130.4	130.4	12:00	130.4	130.4	12:00	130.4	130.4	12:00

Driller: [Signature] Driller: [Signature] Driller: [Signature]

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.

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

DID YOU CHECK PREVENTER EQUIPMENT? YES NO

IMPERIAL OIL LIMITED

10E Slope Level 47 1247 Lsd. 68 Sec. 50 Twn. 107 Rge. 1 W Contractor: NCS-3 Month: OCT Day: 21

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

Table with columns: From, To, Hole Made, Bit Size, Formation. Includes handwritten data for three tours.

Table with columns: D.P., Stands, Singles, Kelly, Drill Collar Ft., Core Bbl. Ft. Includes handwritten data for three tours.

Table with columns: DRILL Number, OD, ID, Length, INDICATOR WEIGHT OF TOTAL. Includes handwritten data for three tours.

Table with columns: COLLAR, DRILLING STRING, DRILL COLLARS, DATA. Includes handwritten data for three tours.

Table with columns: No., Type, Time On Bit, Footage, WOB, RPM, Depth Pulled, Total Footage Drilled, Reamed. Includes handwritten data for three tours.

Table with columns: Serial No., Jet, Conventional, Bit Serial No., Jet, Conventional. Includes handwritten data for three tours.

Table with columns: Nozzle Size, Bit Wear, T, B, G. Includes handwritten data for three tours.

Table with columns: HOURS, Pump Press, Length of Pump Stroke, Strokes Per Min., Liner Size. Includes handwritten data for three tours.

Table with columns: Visc., Wt., W L, pH, ADDITIVES - POUNDS. Includes handwritten data for three tours.

Table with columns: Core No., Depth In, Footage, Hours Run, Depth Out, Recovery. Includes handwritten data for three tours.

Table with columns: From, To, Hrs. Includes handwritten data for three tours.

Table with columns: From, To, Hrs. Includes handwritten data for three tours.

Table with columns: From, To, Hrs. Includes handwritten data for three tours.

Table with columns: From, To, Hrs. Includes handwritten data for three tours.

Table with columns: From, To, Hrs. Includes handwritten data for three tours.

Table with columns: Driller. Includes handwritten names for three tours.

Table with columns: CLASSES OF TIME BREAKDOWN, DID YOU CHECK PREVENTER EQUIPMENT. Includes handwritten data for three tours.

Table with columns: Total Contract Time, Total Company Time, Footpusher, Approved by. Includes handwritten data for three tours.

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 1

IDE BLOW RIVER YTE 4 Lsd. 68 Sec. 5 Twp. 137 Rge. 15 W Contractor NA-#3 Month 10 Day 19

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

1st Tour										2nd Tour										3rd Tour											
From	To	Hole Made	Bit Size	Formation						From	To	Hole Made	Bit Size	Formation						From	To	Hole Made	Bit Size	Formation							
12:00	12:18	8	9 1/2	3 STARS 12.711 2 REAMERS 11.86						8:00	12:41	26	7 1/2	2.745 2.710						4:00	12:42	31	7 1/2	2.745 2.710							
Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.						Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.						Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.							
2	128	3	38	732 55 JARS 7.16						4	128	2	2	732 55 JARS 7.16						7	128	2	2	732 55 JARS 7.16							
INDICATOR WEIGHT OF TOTAL										INDICATOR WEIGHT OF TOTAL										INDICATOR WEIGHT OF TOTAL											
DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL					DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL					DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL						
24	634	270	717.61	DRILLING STRING DRILL COLLARS						24	634	270	717.61	DRILLING STRING DRILL COLLARS						24	634	270	717.61	DRILLING STRING DRILL COLLARS							
COLLAR DATA										COLLAR DATA										COLLAR DATA											
Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled Reamed				No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled Reamed				No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled Reamed			
X55R	2 1/2	8	50	45		8				21	X55R	2 1/2	8	50	45		8				21	X55R	2 1/2	8	50	45		8			

Serial No. BM 729	Jet <input checked="" type="checkbox"/> Conventional <input type="checkbox"/>	Bit Serial No. 50-729	Jet <input checked="" type="checkbox"/> Conventional <input type="checkbox"/>	Bit Serial No. 50-729	Jet <input checked="" type="checkbox"/> Conventional <input type="checkbox"/>
Nozzle Size 1-13 + 2-14	Bit Wear: T B G	Nozzle Size 1-13 + 2-14	Bit Wear: T B G	Nozzle Size 1-13 + 2-14	Bit Wear: T B G

HOURS						Deviation					
Line	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	Depth	Deviation	Depth	Deviation	Depth	Deviation
2		1400	125	125	4						

Time	Visc.	Wt.	W L	pH	ADDITIVES -- POUNDS
0:55	4				7.5 D-O-R 1/2

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery

From	To	Hrs.
12:00	12:30	1/2
12:30	2:00	1 1/2
2:00	2:30	1/2
2:30	5:30	3
5:30	8:00	2 1/2
JARS 179 1/2 HRS		

Driller: A. Howell

DRLG. OUT:	TOTCO:	CONDITIONING MUD:	CASING:	LOGGING:	RIG MAINTENANCE:	REAMING CLEANING:	DID YOU CHECK PREVENTER EQUIPMENT
FISHING:	TRIPPING:	TRIPPING:	W.O.C.:	W.O. ORDERS:	MISCELLANEOUS:	WORKING PIPE:	YES
CIRCULATING:	CORING:	CORING:	D.S. TESTING:	RIG REPAIRS:	CONDITION HOLE:	LOST CIRC.:	NO

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

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. _____

10E. BLOW RIVER YTR 47 Lsd 68 Sec 50 Twn 137 Rge 15 W Contractor *MAT # 3* Month 10 Day 18

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation
12:17	12:17	J1	7 1/2	25' SANDS	8:00	8:00	J1	7 1/2	25' SANDS	4:00	4:00	J1	7 1/2	25' SANDS

Stand	Singles	Kelly	Drill Collar Ft	Core Bbl Ft	Stand	Singles	Kelly	Drill Collar Ft	Core Bbl Ft	Stand	Singles	Kelly	Drill Collar Ft	Core Bbl Ft
127	2	13	132.55	7.0	127	2	13	132.55	7.0	127	2	13	132.55	7.0

DRILL Number	OD	ID	Length	INDICATOR	WEIGHT OF TOTAL	DRILL Number	OD	ID	Length	INDICATOR	WEIGHT OF TOTAL	DRILL Number	OD	ID	Length	INDICATOR	WEIGHT OF TOTAL
24	2 1/2	2 1/8	41	DRILLING STRING	DRILL COLLARS	24	2 1/2	2 1/8	41	DRILLING STRING	DRILL COLLARS	24	2 1/2	2 1/8	41	DRILLING STRING	DRILL COLLARS

Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed	No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed	No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed
8	5:55	18	41	50	45	11		18	8	5:55	18	41	50	45	11		18	8	5:55	18	41	50	45	11	

Serial No.	Jet	Conventional	Bit Wear	T	B	G	Serial No.	Jet	Conventional	Bit Wear	T	B	G	Serial No.	Jet	Conventional	Bit Wear	T	B	G
55-39	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1-13	2-14			55-39	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1-13	2-14			55-39	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1-13	2-14		

Deviation						Deviation						Deviation					
HOURS	Pump Press	Length of Pump Stroke	Strokes Per Min	Liner Size	Deviation	HOURS	Pump Press	Length of Pump Stroke	Strokes Per Min	Liner Size	Deviation	HOURS	Pump Press	Length of Pump Stroke	Strokes Per Min	Liner Size	Deviation
On Line	1800	32	122	60		On Line						On Line					

Time	Visc	Wt	W L	pH	ADDITIVES - POUNDS	Time	Visc	Wt	W L	pH	ADDITIVES - POUNDS	Time	Visc	Wt	W L	pH	ADDITIVES - POUNDS
09:50	9			9.5		09:50	9			9.5		09:50	9			9.5	
10:55	9			9.5		10:55	9			9.5		10:55	9			9.5	
11:55	9			9.4	WATER	11:55	9			9.4	WATER	11:55	9			9.4	WATER

Core No	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No	Depth In	Footage	Hours Run	Depth Out	Recovery

From	To	Hrs	From	To	Hrs	From	To	Hrs
11:00	11:00	2						

DRILLING

JARS 167 JARS.

Driller *[Signature]*

CLASSES OF TIME BREAKDOWN	hrs	CLASSES OF TIME BREAKDOWN	hrs	CLASSES OF TIME BREAKDOWN	hrs	CLASSES OF TIME BREAKDOWN	hrs
DRILLING		LOGGING		RIG MAINTENANCE		BEAMING / CLEANING	

Total Contract Time _____ hrs Total Company Time _____ hrs Foolpusher _____ Approved by _____

IMPERIAL OIL LIMITED

LOE TRINIDAD RIVER VTE 47 Lsd. 68 Sec. 50 Twn 137 Rge 15 W Contractor ALOT #3 Month 20 Day 17

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation
------	----	-----------	----------	-----------	------	----	-----------	----------	-----------	------	----	-----------	----------	-----------

D.P.	Stands	Singles	Kelly	Drill Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill Collar Ft.	Core Bbl. Ft.
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Drill Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL
--------------	----	----	--------	---------------------------	--------------	----	----	--------	---------------------------	--------------	----	----	--------	---------------------------

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

Serial No.	Jet	Conventional	Bit Serial No.	Jet	Conventional	Serial No.	Jet	Conventional	Bit Serial No.	Jet	Conventional
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Hours	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	Hours	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	Hours	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
-------	------------	-----------------------	------------------	------------	-------	------------	-----------------------	------------------	------------	-------	------------	-----------------------	------------------	------------

Time	Visc.	Wt.	W L	pH	ADDITIVES - POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES - POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES - POUNDS
------	-------	-----	-----	----	--------------------	------	-------	-----	-----	----	--------------------	------	-------	-----	-----	----	--------------------

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery
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AVOID DOWN SHOCK SUB. From To Hrs.
 RIP OUT 1:00 1:15 15
 BREAK LEVEL DO REEL IN 1:15
 DO STABS LOOKING FOR
 TICO BEL. BLOCK IN
 SHOCK SUB. 2:00 2:15 15
 CHANGE ROLLERS IN KENNEDY 2:30 2:45 15
 MAKE BOTTOM RUNNER & S.W. P. 2:45
 RIP IN DC. + ALUM. PIPE 4:30 6:30 2:00
 SET TEST HYDRA. + ENTER 6:45 7:00 15
 TAPPING OUT LINES

Driller: [Signature]	Driller: [Signature]	Driller: [Signature]
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CLASSSES OF TIME BREAKDOWN	W.O.C. D.S. TESTING	LOGGING W.O. ORDERS RIG REPAIRS	RIG MAIN CHANCE MISLET. RE-DRYS CONDITION. HOLE	FLAMING CLEANING WORKING PIPE LOST CIRC	DID YOU CHECK PREVENTIVE EQUIPMENT
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Total Contract Time	hrs.	Total Company Time	hrs.	Toolpusher	Approved by
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(200 bks.-5-68)

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 16

10.E. Blow River VTE 47 Lsd. 68 Sec. 50 Twn 137 Rge 15 W Contractor NAT 3 Month 12 Day 16

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

1st Tour							2nd Tour							3rd Tour											
From	To	Hole Made	Bit Size	Formation			From	To	Hole Made	Bit Size	Formation			From	To	Hole Made	Bit Size	Formation							
12:00	5:33	57	9 1/2	SANDSTONE			8:00	12:00	54	9 1/2	SANDSTONE			4:00	12:00	78	7 1/2	SANDSTONE							
Stands	Singles	Kelly	Drill Collar Ft.	Core Bbl. Ft.			Stands	Singles	Kelly	Drill Collar Ft.	Core Bbl. Ft.			Stands	Singles	Kelly	Drill Collar Ft.	Core Bbl. Ft.							
2		17	732 5'	732 5'			4	1		732 5'	732 5'			4	1	7	732 5'	732 5'							
INDICATOR WEIGHT OF TOTAL							INDICATOR WEIGHT OF TOTAL							INDICATOR WEIGHT OF TOTAL											
DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL		DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL		DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL						
24	6 3/4	2 1/2	1 1/2	11	DRILLING STRING DRILL COLLARS		24	6 3/4	2 1/2	1 1/2	11	DRILLING STRING DRILL COLLARS		24	6 3/4	2 1/2	1 1/2	11	DRILLING STRING DRILL COLLARS						
1	8 3/4	2 1/8	1 1/4	2 45	64 1		1	8 3/4	2 1/8	1 1/4	2 45	64 1		1	8 3/4	2 1/8	1 1/4	2 45	64 1						
Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed	No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed	No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed
MPP	4 1/2	50	50	45		277		67	MPP	5 1/2	50	50	45		277		67	MPP	5 1/2	50	50	45		277	

Serial No. 302907 Jet Conventional
 Bit Serial No. 502907 Jet Conventional
 Nozzle Size 1-13 2-19 Bit Wear: T B G

1st Tour							2nd Tour							3rd Tour						
Line	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	Deviation	Line	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	Deviation	Line	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	Deviation
		1800	8 1/2	25	62											1250	8 1/2	25	62	

Time	Visc	Wt	W L	pH	ADDITIVES	POUNDS	Time	Visc	Wt	W L	pH	ADDITIVES	POUNDS	Time	Visc	Wt	W L	pH	ADDITIVES	POUNDS
18	8.9			4.5										18	8.9			4.5		

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery

From	To	Hrs	From	To	Hrs	From	To	Hrs
12:00	8:00	8	8:00	4:00	8	4:00	12:00	8

Driller: A. Lionwall

CLASSES OF TIME BREAKDOWN
 DRLG. OUT. TOTCO. FISHING. CIRCULATING. CASING. W.O.C. D.S. TESTING. LOGGING. W.O. ORDERS. RIG REPAIRS. RIG MAINTENANCE. MISCELLANEOUS. CONDITION HOLE. REAMING. CLEANING. WORKING PIPE. LOST. CIRC. DRIE. YOU CHECK. PREVENTER. EQUIPMENT. YES NO

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

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. /

10E. BLOW RIVER YTE 47 Lsd. 68 Sec. 50 Twn. 137 Rge. 15 W Contractor NPT #3 Month 10 Day 15

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation
12:00	12:38	50	7 1/2"	GRANITE 118'	8:00	8:20	10	7 1/2"	GRANITE 118'	4:00	4:15	10	7 1/2"	GRANITE 118'

Stands	Singles	Kelly	Drill Collar Ft.	Core Bbl Ft.	Size-D.P.	Stands	Singles	Kelly	Drill Collar Ft.	Core Bbl Ft.	Size-D.P.	Stands	Singles	Kelly	Drill Collar Ft.	Core Bbl Ft.
124	-	7	732 55	5.00	2 1/2"	124	-	7	732 55	5.00	2 1/2"	124	-	7	732 55	5.00

Drill Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	Drill Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	Drill Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL
24	3 3/4	2 9/16	71'	DRILLING STRING DRILL COLLARS	24	3 3/4	2 9/16	71'	DRILLING STRING DRILL COLLARS	24	3 3/4	2 9/16	71'	DRILLING STRING DRILL COLLARS

Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled
188	20 1/4	50	50	40		132	2	188	20 1/4	50	50	40		132

Serial No.	Jet	Conventional	Bit Serial No.	Jet	Conventional	Bit Serial No.	Jet	Conventional	Bit Serial No.	Jet	Conventional
302407	<input checked="" type="checkbox"/>	<input type="checkbox"/>	302407	<input checked="" type="checkbox"/>	<input type="checkbox"/>	302407	<input checked="" type="checkbox"/>	<input type="checkbox"/>	302407	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Line	Hours Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	Line	Hours Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
1		1800	32	125	6 3/4	1		1800	32	125	6 3/4

Time	Visc	Wt	W L	pH	ADDITIVES	POUNDS	Time	Visc	Wt	W L	pH	ADDITIVES	POUNDS
47	4		10	8.5		100	47	4		10	8.5		100

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery

From	To	Hrs	From	To	Hrs	From	To	Hrs
12:00	8:00	8						

Driller	Driller	Driller
[Signature]	[Signature]	[Signature]

CLASSES OF TIME BREAKDOWN
 DRG. OUT: TOTCO, FISHING, CIRCULATING, CONDITIONING MUD, TRIPPING, CORING, CASING, W.O.C, D.S. TESTING, LOGGING, W.O. ORDERS, RIG REPAIRS, RIG MAINTENANCE, MISCELLANEOUS, CONDITION HOLTS, REAMING, CLEANING, WORKING PIPE, LOST CIRC.
 DID YOU CHECK PREVENTER EQUIPMENT? YES [] NO []

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

IMPERIAL OIL LIMITED

10E BLOW RIVER YTE47

Lsd 68 Sec 50 Twn 137 Rge 15 W

Contractor NARS

Month 10 Day 14

1st Tour From: 12:00 Midnight To: 8:00 a.m.										2nd Tour From: 8:00 a.m. To: 4:00 p.m.										3rd Tour From: 4:00 p.m. To: 12:00 p.m.									
From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation															
256			9 1/2	STAY GREEN	102	103	40	9 1/2	STAY GREEN	102	103	40	9 1/2	STAY GREEN															
D.P.	Stands	Singles	Kelly	Drill Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill Collar Ft.	Core Bbl. Ft.												
1				732.50	300 5/8	1 1/2	123			732.50	300 5/8	1 1/2	123			732.50	300 5/8												
LL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL												
COLLAR	24	6 1/2	5 7/8	77.68	DRILLING STRING	DRILL COLLARS	COLLAR	24	6 1/2	5 7/8	77.68	DRILLING STRING	DRILL COLLARS	COLLAR	24	6 1/2	5 7/8	77.68											
TA	1	8 1/2	7 7/8	149.4	64	DATA	1	8 1/2	7 7/8	149.4	64	DATA	1	8 1/2	7 7/8	149.4	64												
No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed	No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed												
7	1985								67	1985																			
Serial No.	302907			Jet	<input type="checkbox"/>	Conventional	<input type="checkbox"/>	Bit Serial No.	302907			Jet	<input type="checkbox"/>	Conventional	<input type="checkbox"/>														
Nozzle Size	1-1/2 Z-14		Bit Wear:	T	B	G	Nozzle Size	1-1/2 Z-14		Bit Wear:	T	B	G																
Depth	Deviation			Depth	Deviation			Depth	Deviation																				
HOURS	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURS	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURS	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size															
On Line	Circulating				On Line	Circulating				On Line	Circulating																		
Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS												
Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery												
From	To	Hrs	From	To	Hrs	From	To	Hrs	From	To	Hrs																		
PULL OUT	12	1:45	1 3/4	TO STOP	12	1:45	1 3/4	TO STOP	12	1:45	1 3/4																		
DRILL RIG CHECK BLIND	1:45	2	1/4	DRILLING	1:45	2	1/4	DRILLING	1:45	2	1/4																		
AMS																													
REPAIR MUD GAUGE DIAPHRAM TO																													
WACO CHUCK	2	3	1																										
PICK UP BOT. REAMER	3	3:15	1/4																										
RUN IN	3:15	4:45	1 1/2																										
CRUP PIPE SLIP LINE	4:45	5	1/4																										
RUN IN	6	8	2																										
Driller	[Signature]			Driller	[Signature]			Driller	[Signature]																				

CLASSES OF TIME BREAKDOWN
 DRLG. OUT: TOTCO, FISHING, CIRCULATING
 CONDITIONING MUD: TRIPPING, CORING
 CASING: W.O.C., D.S. TESTING
 LOGGING: W.O. ORDERS, RIG REPAIRS
 RIG MAINTENANCE: MISCELLANEOUS, CONDITION HOLE
 REAMING/CLEANING: WORKING PIPE, LOST CIRC.
 PIS VOL CHECK PREVENTIVE EQUIPMENT

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

2 (200 bks.-5-68)

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 10

IOE BLOW RIVER 4T-547 Lsd 62 Sec 50 Twn 137 Rge 15 W Contract No. NAT 3 Month OCT Day 2

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 a.m.

From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation
8712097	10	1 1/2	2 REAMERS	2 1/2	1201712131	34	9 1/2	STAB. 12A3	REHM. 1150					

Stands	Singles	Kelly	Drill Collar Ft.	Core Bbl Ft.	Size-D.P.	Stands	Singles	Kelly	Drill Collar Ft.	Core Bbl Ft.	Size-D.P.	Stands	Singles	Kelly	Drill Collar Ft.	Core Bbl Ft.
121		16	736.53	3000	4 1/2	1	13	732.55	TARS 7.16	3000	4 1/2	1	13	732.55	TARS 7.16	3000

Drill Number	OD	ID	Length	INDICATOR	WEIGHT OF TOTAL	Drill Number	OD	ID	Length	INDICATOR	WEIGHT OF TOTAL	Drill Number	OD	ID	Length	INDICATOR	WEIGHT OF TOTAL
24	6 3/4	2 7/8	1176	DRILLING STRING	64	24	6 3/4	2 7/8	1176	DRILLING STRING	64	24	6 3/4	2 7/8	1176	DRILLING STRING	64
1	8 1/2	2 7/8	1494	DATA	64	1	8 1/2	2 7/8	1494	DATA	64	1	8 1/2	2 7/8	1494	DATA	64

Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamer	No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamer
SCB	7:41	10	50	45	10	5		66	SCB	7:41	10	50	45	10	5	

Serial No.	Jet	Conventional	Bit Serial No.	Jet	Conventional	Serial No.	Jet	Conventional	Bit Serial No.	Jet	Conventional
661841	<input checked="" type="checkbox"/>	<input type="checkbox"/>	661841	<input checked="" type="checkbox"/>	<input type="checkbox"/>	661841	<input checked="" type="checkbox"/>	<input type="checkbox"/>	661841	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Line	Hours	Pump Press	Length of Pump Stroke	Strokes Per Min	Liner Size	On Line	Hours	Pump Press	Length of Pump Stroke	Strokes Per Min	Liner Size
Circulating	3:00	200	7 1/2	120	8 1/2	3	3:00	185	8 1/2	120	8 1/2

Time	Visc	Wt	W L	pH	ADDITIVES	POUNDS	Time	Visc	Wt	W L	pH	ADDITIVES	POUNDS

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery

From	To	hrs	DESCRIPTION	From	To	hrs	DESCRIPTION
15	20	5	DRILLING	15	20	5	DRILLING
20	25	5	DRILLING	20	25	5	DRILLING
25	30	5	DRILLING	25	30	5	DRILLING
30	35	5	DRILLING	30	35	5	DRILLING
35	40	5	DRILLING	35	40	5	DRILLING
40	45	5	DRILLING	40	45	5	DRILLING
45	50	5	DRILLING	45	50	5	DRILLING
50	55	5	DRILLING	50	55	5	DRILLING
55	60	5	DRILLING	55	60	5	DRILLING
60	65	5	DRILLING	60	65	5	DRILLING
65	70	5	DRILLING	65	70	5	DRILLING
70	75	5	DRILLING	70	75	5	DRILLING
75	80	5	DRILLING	75	80	5	DRILLING
80	85	5	DRILLING	80	85	5	DRILLING
85	90	5	DRILLING	85	90	5	DRILLING
90	95	5	DRILLING	90	95	5	DRILLING
95	100	5	DRILLING	95	100	5	DRILLING

DRLLG. OUT:	CLASSES OF TIME BREAKDOWN	CASING:	LOGGING:	RIG MAINTENANCE:	PEAKING CLEANING:
	TOTCO, TRIPPING, CIRCULATING, CORING	W.O.C, D.S. TESTING	W.O. OF RIG REI, IRS	MISCELLANEOUS, CONDITION H. E.	WORKING PIPE, LOST CIRC.

Total Contract Time _____ hrs. Total Company Time _____ hrs. Tealpushe: _____ Approved by _____

(200 bks -5-68)

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 150

IOE BLOW RIVER YT - E47 Lsd. 68 Sec. 50 Twn. 137 Rge. 15 W Contractor V.H.T.B. Month OCT Day 10

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation
12025	12025	39	9/2	2 STABS 2 REAMERS	12025	12025	33	9/2	2 STABS 2 REAMERS	12025	12025	24	7/2	2 REAMERS

Stand	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stand	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stand	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
119	1	16	822.12	JARS 7.16	4/2	119	2	13	822.12	JARS 7.16	4/2	119	1	16	822.12	JARS 7.16

Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL
27	6 3/4	2 1/8	807.19	DRILLING STRING	DRILL COLLARS	27	6 3/4	2 1/8	807.19	DRILLING STRING	DRILL COLLARS	27	6 3/4	2 1/8	807.19	DRILLING STRING
1	8 1/2	7 1/8	14.44	248	70 M	1	8 1/2	7 1/8	14.44	248	70 M	1	8 1/2	7 1/8	14.44	248

Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed	No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed
SCS	30	39	50	45		129		65	SCS	38	33	50	47		162	

Serial No.	Jet	Conventional	Bit Serial No.	Jet	Conventional	Bit Serial No.	Jet	Conventional
682362	<input checked="" type="checkbox"/>	<input type="checkbox"/>	682362	<input checked="" type="checkbox"/>	<input type="checkbox"/>	682362	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Line	Hours	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	Line	Hours	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	Line	Hours	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
8		800	82	12	6 3/4	7		800	82	12	6 3/4	8		800	82	12	6 3/4

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
8:00	52	9.0		10.1		11:00	52	8.5		10.1		1:00	51	9.0		10.5	WAT

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery
700	12	8	8	12	8	700	12	8	8	12	8	700	12	8	8	12	8

From	To	Hrs.	From	To	Hrs.	From	To	Hrs.
12:00	8:00	8	8:10	10:20	2	10:30	4:00	3 1/2

BO.P. DRILL
BILLING
SER. RIG CHECK HYDRIL - 10:10:30 1/2
PIPE RAMS TORN RODS
ON P80 PUMP
DRILLING
JARS 40 1/4 HRS
Driller: Vic Buga
Driller: Wm. Kasehuk
Driller: [Signature]

CLASSES OF TIME BREAKDOWN
 DRUG. OUT: TOTCO. CONDITIONING MUD: CASING: LOGGING: RIG MAINTENANCE: REAMING CLEANING:
 FISHING: TRIPPING: W.O.C. W.O. ORDERS: MISCELLANEOUS: WORKING PIPE
 CIRCULATING: CORING: D.S. TESTING: RIG REPAIRS: CONDITION HOLE: LOST CIRC.
 DID YOU CHECK PREVENTER EQUIPMENT? YES NO

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

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 153

I.O.E. Blow River Y.C. 47 Lsd. 68 Sec. 50 Twn. 137 Rge. 15 W Contractor N.H.T.S. Month Oct Day 9

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

Table with columns for Hole Made, Bit Size, Formation, Stands, Singles, Kelly, Drill Collar Ft., Core Bbl. Ft., etc. for three tours.

Serial No. 682362 Jet [] Conventional [] Bit Serial No. 682362 Jet [] Conventional []

Nozzle Size 2 1/4 1-13 Bit Wear: T B G Nozzle Size 2 1/4 1-13 Bit Wear: T B

Table with columns for HOURS, Pump Press, Length of Pump Stroke, Strokes Per Min., Liner Size.

Table with columns for Visc., Wt., W L, pH, ADDITIVES - POUNDS.

Table with columns for Core No., Depth In, Footage, Hours Run, Depth Out, Recovery.

Table with columns for From To Hrs. and descriptions like DRILLING, PIPE WORK TO BOTTOM.

DRILLER: Vic Bugna Driller: H.L. Thompson

CLASSES OF TIME BREAKDOWN: DRUG. OUT, TOTCO, FISHING, CIRCULATING, etc.

Total Contract Timehrs. Total Company Timehrs. Footpusher Approved by

IMPERIAL OIL LIMITED

IOE BROW RIVER Y.T. E-47 Lsd. 68. Sec. 50. Twn. 13.7 Rge. 15. W. Contractor N.A.T.3 Month Oct Day 8

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

Table with columns: From, To, Hole Made, Bit Size, Formation, Size-D.P., Stands, Singles, Kelly, Drill Collar Ft, Core Bbl. Ft. Includes handwritten entries for 11861, 11896, and 11896.

Table with columns: DRILL Number, OD, ID, Length, INDICATOR WEIGHT OF TOTAL, COLLAR, DRILLING STRING, DRILL COLLARS, DATA. Includes handwritten entries for 27 and 1.

Table with columns: No., Type, Time On Bit, Footage, WOB, RPM, Depth Pulled, Total Footage Drilled, Reamed. Includes handwritten entries for 475.

Table with columns: Bit Serial No., Jet, Conventional, Nozzle Size, Bit Wear, T, B, G. Includes handwritten entries for FF-015 and FF015.

Table with columns: Depth, Deviation, HOURS, Pump Press, Length of Pump Stroke, Strokes Per Min., Liner Size. Includes handwritten entries for 7.

Table with columns: Time, Visc., Wt., W L, pH, ADDITIVES - POUNDS. Includes handwritten entries for 8:30, 1:30, 2:15.

Table with columns: Core No., Depth In, Footage, Hours Run, Depth Out, Recovery. Includes handwritten entries for 1:00 PM and 2:00 PM.

Table with columns: From, To, Hrs. Includes handwritten entries for TRIP IN, CHANGE TANKS, PRESSURE TESTING BOPS, TO 2000 PSI, BROW LINES, TRIP IN, ALL PIPE + WORK TO BOTTOM, DRILLING, TANKS - 7 1/2 HRS, JARS 1 1/2.

Driller: V. Begua Driller: J. Thompson Driller: [Signature]

Table with columns: CLASSES OF TIME BREAKDOWN: TOTCO, FISHING, CIRCULATING, CONDITIONING MUD, TRIPPING, CORING, CASING, W.O.C., D.S. TESTING, LOGGING, W.O. ORDERS, RIG REPAIRS, RIG MAINTENANCE, MISCELLANEOUS, CONDITION HOLE, REAMING CLEANING, WORKING PIPE, LOST CIRC., DID YOU CHECK PREVENTER EQUIPMENT, YES, NO.

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

IMPERIAL OIL LIMITED

I.O.E. BLOW RIVER Y.T. E-47 Lsd. 68 Sec. 50 Twn. 13.7 Rge. 15 W. Contractor NATB Month OCT Day 7

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

1st Tour						2nd Tour						3rd Tour								
From	To	Hole Made	Bit Size	Formation	Core	From	To	Hole Made	Bit Size	Formation	Core	From	To	Hole Made	Bit Size	Formation	Core			
45	11990	45	9 1/2	STABS 1245 2 REAMERS 11.86		11790	11940	50	9 1/2	STABS 2 REAMERS 11.86		11740	11820	6	7 1/2	STABS				
D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.			
	117	—	32	822.12	FARS 7.05	4 1/2	117	1	13	822.12	FARS. 7.05	4 1/2	117	1	7	822.12	FARS. 7.05			
DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL			
COLLAR	27	6 3/4	2 3/8	807.18	DRILLING STRING	DRILL COLLARS	COLLAR	27	6 3/4	2 3/8	807.18	DRILLING STRING	DRILL COLLARS	COLLAR	27	6 3/4	2 3/8	807.18	DRILLING STRING	DRILL COLLARS
DATA	1	8 1/2	2 3/8	14.14	245 m	70 m	DATA	1	8 1/2	2 3/8	14.14	246 m	70 m	DATA	1	8 1/2	2 3/8	14.14	248	70
Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed	No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed				
455	5 1/2	45	55	54		45		63	455	13 1/4	50	50 m	54		45					

Serial No. FE 796 Jet Conventional Bit Serial No. FE 706 Jet Conventional
 Nozzle Size 2-16 Bit Wear: T B G Nozzle Size 2-16 Bit Wear: T B G Nozzle Size 2-16 Bit Wear: T B G

1st Tour						2nd Tour						3rd Tour					
Line	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	Line	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	Line	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
24		1400	8 1/2	125	6 3/4	7 3/4		1800	8 1/2	125	6 3/4	2 1/2					

Line	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
54	90		10.5	8.2	1000	8:00	57	7	10.3	6.2	500	8:00					500
47	90	174	10.3		Plaster	14:00	50	7	10.3	7.2	500	14:00					2000
5	90		10.3		Plaster	16:00	48	7	10.3	7.2	500	16:00					2000

Core No. Depth In Footage Hours Run Depth Out Recovery
 CHECKED FIRE EXTINGUISHERS O.K
 CHECKED FIRST KIT O.K

From	To	Hrs.	From	To	Hrs.	From	To	Hrs.
12:00	1:30	1 1/2	8:00	10:15	2 1/4	4:00	4:00	0
1:30	1:45	1/4	10:15	10:30	1/4			
1:45	3:30	1 3/4	10:30	4:00	3/4			
3:30	4:15	3/4						
4:15	8:00	3 3/4						

Driller: *Vic Bugera* Driller: *Mark Thompson* Driller: *John...*

CLASSES OF TIME BREAKDOWN: DRILLING, FISHING, CIRCULATING, MUD, CASING, LOGGING, RIG MAINTENANCE, REAMING CLEANING, PREVENTER EQUIPMENT

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

IMPERIAL OIL LIMITED

106 Blaw River, T. E. 47 Lsd. Sec. Tw. Rge. W. Contractor NAT. Month OCT Day 6

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

Table with columns for From, To, Hole Made, Bit Size, Formation, Size-D.P., Stands, Singles, Kelly, Drill Collar Ft., Core Bbl. Ft. for three tours.

Table with columns for Serial No., Jet, Conventional, Nozzle Size, Bit Wear, T, B, G.

Table with columns for HOURS, Pump Press, Length of Pump Stroke, Strokes Per Min., Liner Size.

Table with columns for Time, Visc., Wt., W L, pH, ADDITIVES - POUNDS.

Table with columns for Core No., Depth In, Footage, Hours Run, Depth Out, Recovery.

Table with columns for From, To, Hrs., DRILLING, TOTCO, SLUG PIPE - TRIP OUT, SHOCK SUB, JARS.

Driller: H. ... Driller: J. ... Driller: J. ...

Table with columns for DRLG. OUT: CLASSES OF TIME BREAKDOWN, CASING, LOGGING, RIG MAINTENANCE, REAMING CLEANING, DID YOU CHECK PREVENTER EQUIPMENT.

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

2 (200 bks-5-68)

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 15

10 E. D. L. W. P. V. T. E. 47 Lsd. Sec. Tw. Rge. W Contractor NET 3 Month 10 Day 5

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation		
27	11610	22	9 1/2	2 STARS 1273 2024 1126	11610	11645	33	9 1/2	2 STARS 1273 2024 1126	11643	11677	34	9 1/2	2 STARS 1273 2024 1126		
Stand	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Stand	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Stand	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.		
114	2	6	822-12	SHOCK SUB 270	4 1/2	115	5	722-12	SHOCK SUB 270	4 1/2	115	2	33	822-12		
Drill. Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	Drill. Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	Drill. Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL		
27	6 3/4	2 3/8	10115	DRILLING STRING	27	6 3/4	2 3/8	10119	DRILLING STRING	27	6 3/4	2 3/8	10118	DRILLING STRING		
1	2 1/2	1 1/8	1494	2540	1	2 1/2	1 1/8	1494	254	1	2 1/2	1 1/8	1494	254		
Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed	No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed
XSSR	5 3/4	22	45	55	50	22		62	XSSR	2 1/4	34	55	54	54	89	

Serial No. MP605 Jet Conventional Bit Serial No. MP605 Jet Conventional
 Nozzle Size 2-16 Bit Wear: T B G Nozzle Size 2-16 Bit Wear: T B G

HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
On Line	Circulating					On Line	Circulating					On Line	Circulating				
		1900	8 1/2	125	6 3/4			100	12					800	12		6 3/4

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
10:00		9		10.5		10:00		9		10.5		10:00		9		10.5	
11:00		9		18.6	12.5	11:00		9		18.6	12.5	11:00		9		18.6	12.5

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery
222	1015	Y.M. 14	GOLS 220			SHOCK SUB	2739					SHOCK SUB	2739				
						JARS	2104					JARS	2104				

From	To	Hrs.	From	To	Hrs.	From	To	Hrs.
12:00	12:30	1 1/2	9	4	5	12:00	12:30	1 1/2
DRILLING			DRILLING			DRILLING		

DEA SCL 204 HRS
 JARS 202 1/4 HRS
 Driller: H. I. Thompson

REFRIGERATE TEMP. 12
 SHOCK SUB. 270 1/4 HRS
 JARS. 218 1/4 HRS
 Driller: H. I. Thompson

CLASSES OF TIME BREAKDOWN
 TOTCO: CONDITIONING MUD: CASING: LOGGING: RIG MAINTENANCE: REAMING CLEANING: DID YOU CHECK PREVENTER EQUIPMENT?
 FISHING: TRIPPING: W.O.C. W.D. ORDERS: MISCELLANEOUS: WORKING PIPE: YES NO
 CIRCULATING: CORING: D.S. TESTING: RIG REPAIRS: CONDITION HOLE: LOST CIRC.:
 Total Contract Time _____ hrs. Total Company Time _____ hrs. Toolpusher _____ Approved by _____

IMPERIAL OIL LIMITED

JOE BLOW FIVER PT 547 Lsd Sec Tw Rge W Contractor NPT 3 Month 10 Day 5

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

Table with columns for From, To, Hole Made, Bit Size, Formation, Stands, Singles, Kelly, Drill Collar Ft., Core Bbl. Ft., Size-D.P., and Drilling String details for three tours.

Serial No. 116605 Jet [] Conventional [] Bit Serial No. MP605 Jet [] Conventional [] Nozzle Size 2-16 Bit Wear: T B G

Table with columns for HOURS, Pump Press, Length of Pump Stroke, Strokes Per Min., and Liner Size for three tours.

Table with columns for Time, Visc., Wt., W L, pH, and ADDITIVES - POUNDS for three tours.

Table with columns for Core No., Depth In, Footage, Hours Run, Depth Out, and Recovery for three tours.

DRILLING From To Hrs. 12:00 1:30 1 1/2

REFRIDGE TEMP 12 SHOCK SUB 280 1/4 HRS JARS 218 1/4 HRS

CLASSES OF TIME BREAKDOWN: TOTCO, FISHING, CIRCULATING, CASING, LOGGING, RIG MAINTENANCE, REAMING CLEANING, DID YOU CHECK PREVENTER EQUIPMENT

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

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 14

Blow River YI E #7 Lsd. Sec. Tw. Rge. W Contractor NPT 3 Month 10 Day 3

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation
1139			9 1/2	2 STABS 1245 2 REAMERS 1186	11439	11464	25	9 1/2	2 STABS 1245 2 REAMERS 1186	11464	11499	35	7 1/2	2 STABS

Strands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
1/13		23	822.12	Shock 8.6 8 1/2	4 1/2	113	1	28	822.12	JRC 284 24 5/8 291	4 1/2	113	2	24	822.12	JRC 284 24 5/8 291

DRILL Number	OD	ID	Length	INDICATOR	WEIGHT OF TOTAL	DRILL Number	OD	ID	Length	INDICATOR	WEIGHT OF TOTAL	DRILL Number	OD	ID	Length	INDICATOR	WEIGHT OF TOTAL
27	6 3/4	2 3/8	807.13	DRILLING STRING	DRILL COLLARS	27	6 3/4	2 3/8	807.13	DRILLING STRING	DRILL COLLARS	27	6 3/4	2 3/8	807.13	DRILLING STRING	DRILL COLLARS

Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage	Drilled	Reamed	No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage	Drilled	Reamed
XSSR									61	XSSR	7	25	50-160	300		25		

Serial No.	Jet	Conventional	Bit Serial No.	Jet	Conventional	Serial No.	Jet	Conventional	Bit Serial No.	Jet	Conventional
MT 652	<input checked="" type="checkbox"/>	<input type="checkbox"/>	MT 652	<input checked="" type="checkbox"/>	<input type="checkbox"/>	MT 652	<input checked="" type="checkbox"/>	<input type="checkbox"/>	MT 652	<input checked="" type="checkbox"/>	<input type="checkbox"/>

NO. 1	NO. 2	NO. 3	NO. 4	NO. 5	NO. 6	NO. 7	NO. 8	NO. 9	NO. 10
7 1/2									

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
1:30						1:30						1:30					

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery

Item	From	To	Hrs.	Item	From	To	Hrs.
Check Kelly Cock				TRIP UP PIPE	8	8:15	4
W Kelly Trip Out	12	4	4	WORK TO BOTTOM	8:15		
Change CUTTER BITTING REAMER	4			TURN RODS IN 20' 80	9		
Change BOTH STAB RUBBERS				DRILLING	9	4	7
Change CUTTERS STAB REAMER							
W COLLARS	5	1 1/2					
Check Rig Check BOP	5	6	2				
Tip in hole	6	8	2				
			8				

Driller: H. Mac Isaac Driller: O. Hernandez Driller: H. J. Thompson

CLASSES OF TIME BREAKDOWN	CONDITIONING MUD:	CASING:	LOGGING:	RIG MAINTENANCE:	REAMING CLEANING:	DID YOU CHECK & PREVENTER EQUIPMENT
TOTCO:	TRIPPING:	W.O.C:	W.O. ORDERS:	MISCELLANEOUS:	WORKING PIPE:	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
FISHING:	CORING:	D.S. TESTING:	RIG REPAIRS:	CONDITION HOLE:	LOST CIRC:	

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

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 14

1.0.E BLOW RIVER YT E47 Lsd... 68 Sec... 50... Twn... 137 Rge... 15... W... Contractor 1.0.E RIG 89 Month... 10 Day... 2

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

Table with columns for From, To, Hole Made, Bit Size, Formation, Stands, Singles, Kelly, Drill Collar Ft., Core Bbl. Ft., Size-D.P., OD, ID, Length, INDICATOR WEIGHT OF TOTAL, DRILLING STRING, DRILL COLLARS, COLLAR, DATA, No., Type, Time On Bit, Footage, WOB, RPM, Depth Pulled, Total Footage Drilled, Reamed.

Jet Conventional Bit Serial No. 84151 Jet Conventional Bit Serial No. 84151 Jet Conventional Bit Serial No. 84151

Table with columns for HOURS, Pump Press, Length of Pump Stroke, Strokes Per Min., Liner Size, On Line, Circulating.

Table with columns for Time, Visc., Wt., W L, pH, ADDITIVES - POUNDS.

Table with columns for Core No., Depth In, Footage, Hours Run, Depth Out, Recovery.

Table with columns for From, To, Hrs., DRILLING.

BRIDGE UNIT TEMP 12° CK SUB. 217 HRS PARS 149 HRS Driller: H. A. Thompson

CLASSES OF TIME BREAKDOWN: DRILG. OUT, TOTCO, FISHING, CIRCULATING, CONDITIONING MUD, TRIPPING, CORING, CASING, W.O.C., D.S. TESTING, LOGGING, RIG REPAIRS, RIG MAINTENANCE, MISCELLANEOUS, CONDITION HOLE, REAMING CLEANING, WORKING PIPE, LOST CIRC., DID YOU CHECK PREVENTER EQUIPMENT, YES, NO

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

IMPERIAL OIL LIMITED

I.O.E. BLOW RIVER Y.T. E47 Lsd. 68 Sec. 50 Twn. 137 Rge. 15 W Contractor I.O.E. RIG #3 Month 10 Day 1

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

Table with columns for From, To, Hole Made, Bit Size, Formation, Size-D.P., Stands, Singles, Kelly, Drill. Collar Ft., Core Bbl. Ft., DRILL Number, OD, ID, Length, INDICATOR WEIGHT OF TOTAL, COLLAR, DATA, No., Type, Time On Bit, Footage, WOB, RPM, Depth Pulled, Total Footage Drilled, Reamed.

Serial No. NA809 Jet [] Conventional [] Bit Serial No. NA809 Jet [] Conventional [] Nozzle Size 2-16 Bit Wear: T B G

Table with columns for HOURS, Pump Press, Length of Pump Stroke, Strokes Per Min., Liner Size, On Line, Circulating.

Table with columns for Time, Visc., Wt., W L, pH, ADDITIVES - POUNDS.

Table with columns for Core No., Depth In, Footage, Hours Run, Depth Out, Recovery.

Table with columns for From, To, Hrs., DRILLING, SLUG PIPE TRIP OUT, FRIDGE TEMP, DRILLER: H. J. Thompson.

CLASSES OF TIME BREAKDOWN: TOTCO, FISHING, CIRCULATING, CONDITIONING MUD, TRIPPING, CORING, CASING, W.O.C, D.S. TESTING, LOGGING, W.O. ORDERS, RIG REPAIRS, RIG MAINTENANCE, MISCELLANEOUS, CONDITION HOLE, REAMING CLEANING, WORKING PIPE, LOST CIRC., DID YOU CHECK PREVENTER EQUIPMENT YES NO

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

IMPERIAL OIL LIMITED

1.0.E. BLOW RIVER YT E.H.7 Lsd. 68 Sec. 20. Twn. 127 Rge. 15 W Contractor RIG 93 Month 9 Day 30

Table with 3 main columns for 1st, 2nd, and 3rd tours. Each column contains detailed drilling data including hole made, bit size, formation, stands, singles, kelly, drill collar, core bbl. ft., and various performance metrics like pump pressure, length of pump stroke, and strokes per minute.

CLASSES OF TIME BREAKDOWN: DRILLING, FISHING, CIRCULATING, etc. Total Contract Time, Total Company Time, Toolpusher, Approved by.

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 14

10E OLAVIKEN 47 447 Lsd. 68 Sec. 50 Twn. 137 Rge. 1 W Contractor 11-3 Month 3 Day 29

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

Table with columns: From, To, Hole Made, Bit Size, Formation, Size-D.P., Stands, Singles, Kelly, Drill. Collar Ft., Core Bbl. Ft.

Table with columns: DRILL Number, OD, ID, Length, INDICATOR WEIGHT OF TOTAL, No., Type, Time On Bit, Footage, WOB, RPM, Depth Pulled, Total Footage Drilled, Reamed

Table with columns: Serial No., Jet, Conventional, Nozzle Size, Bit Wear, Depth

Table with columns: HOURS, Pump Press, Length of Pump Stroke, Strokes Per Min., Liner Size

Table with columns: Time, Visc., Wt., W L, pH, ADDITIVES - POUNDS

Table with columns: Core No., Depth In, Footage, Hours Run, Depth Out, Recovery

Table with columns: From, To, Hrs., Description of operations like 'Trip in with bit', 'Draw out stand pipe', 'Reaming 6 3/8 to 1 1/2 hole'

Table with columns: CLASSES OF TIME BREAKDOWN, DRILLER, APPROVED BY

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

2 (200 bks.-5-68)

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 1422

102 Blount River St 447 Lsd. 68 Sec. 20 Twn. 27 Rge. 1 W. Contractor *11107* Month *2* Day *28*

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation				
62	11107	45	9 1/2	2345 12.45 2825 12.53	11107					11107	1132	25	6 3/4	2572				
D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	
2	109	1	12	822.12	34.53 8.96													
DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
COLLAR	27	6 3/4	2 3/8	9.10	DRILLING STRING	DRILL COLLARS	COLLAR	27	6 3/4	2 3/8	9.10	DRILLING STRING	DRILL	27	6 3/4	2 3/8	9.10	DRILLING STRING
DATA	1	8 1/2	2 3/8	14.34	70	DATA	DATA	1	8 1/2	2 3/8	14.34	DATA	1	8 1/2	2 3/8	14.34	DATA	
No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed	No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed	
7	SCM	15	45	60	50	11107	103		1	◇	7	25	15	70	65			

Series No. 687504 Jet Conventional Bit Serial No. EC-8024 Jet Conventional Bit Serial No. EC-8024 Jet Conventional

HOURS						HOURS						HOURS					
Line	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	On Line	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	On Line	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
4		175	2	125													

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	
62	7.0				6.0	62	7.0				6.0	62	7.0					6.0
47	7.0				10.0	47	7.0				10.0	47	7.0					10.0
49	7.0				10.0	49	7.0				10.0	49	7.0					10.0
4270	15.0					4270	15.0					4270	15.0					
4270	15.0					4270	15.0					4270	15.0					

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	
12	11107	25	7			12	11107	25	7			12	11107	25	7			

Driller: *Thompson* Driller: *Thompson* Driller: *A. Hernandez*

CLASSES OF TIME BREAKDOWN	CONDITIONING MUD:	CASING:	LOGGING:	RIG MAINTENANCE:	REAMING/CLEANING:	DID YOU CHECK PREVENTER EQUIPMENT?
TOTCO:	TRIPPING:	W.O.C.:	W.O. ORDERS:	MISCELLANEOUS:	WORKING PIPE:	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
FISHING:	CORING:	D.S. TESTING:	RIG REPAIRS:	CONDITION HOLE:	LOST CIRC.:	
CIRCULATING:						

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

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 100

ICE Blountville 4 647 Lsd. 68 Sec. 50 Twn. 197 Rge. 1 W Contractor 11-2 Month 10 Day 27

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation
980	11004	24	7 1/2	2 1/2 13 2 1/2 13 12 53	11004	11009	5	7 1/2		11009	11062	53	7 1/2	2 1/2 13 2 1/2 13

Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
1 1/2	119	1	24	732.72	20.303 8 26	4 1/2	108	1	9	822.12	20.303 8 26	4 1/2	109	1	26	822.12	20.303 8 26

DRILL Number	OD	ID	Length	INDICATOR	WEIGHT OF TOTAL	DRILL Number	OD	ID	Length	INDICATOR	WEIGHT OF TOTAL	DRILL Number	OD	ID	Length	INDICATOR	WEIGHT OF TOTAL
24	6 3/4	2 3/8	71.78			27	6 3/4	2 3/8	107.18			27	6 3/4	2 3/8	107.18		

DRILLING STRING	DRILL COLLARS	DRILLING STRING	DRILL COLLARS	DRILLING STRING	DRILL COLLARS
1	8 1/2	2 3/8	14.94	239	62

Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed	No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed
435	15 1/4	134	4"	50	11004	134		57	SEM	2 1/2	5	45	50			

Serial No.	Jet	Conventional	Bit Serial No.	Jet	Conventional	Bit Serial No.	Jet	Conventional
1-5998	<input checked="" type="checkbox"/>	<input type="checkbox"/>	687584	<input type="checkbox"/>	<input type="checkbox"/>	687584	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Nozzle Size	Bit Wear: T B G	Nozzle Size	Bit Wear: T B G	Nozzle Size	Bit Wear: T B G
2-12 1-13	T B G	2-13 1-12	T B G	2-13 1-12	T B G

Depth	Deviation	Depth	Deviation	Depth	Deviation
11000	6 1/4"				

HOURS	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURS	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURS	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
4	2000	7 1/2	125	6 1/4	2 1/2	1200	12	60	6 1/4	1	1000	12	60	6 1/4

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
4:17	7	1	1	10		4:17	7	1	1	10		4:17	7	1	1	10	

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery
734	11004	134	4	11004	100%	734	11004	134	4	11004	100%	734	11004	134	4	11004	100%

From	To	Hrs.	From	To	Hrs.	From	To	Hrs.
12:00	12:00	4	8:00	8:00	4	4:00	4:00	4

12:00	12:00	4	8:00	8:00	4	4:00	4:00	4
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12:00	12:00	4	8:00	8:00	4	4:00	4:00	4
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12:00	12:00	4	8:00	8:00	4	4:00	4:00	4
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12:00	12:00	4	8:00	8:00	4	4:00	4:00	4
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12:00	12:00	4	8:00	8:00	4	4:00	4:00	4
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12:00	12:00	4	8:00	8:00	4	4:00	4:00	4
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12:00	12:00	4	8:00	8:00	4	4:00	4:00	4
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12:00	12:00	4	8:00	8:00	4	4:00	4:00	4
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12:00	12:00	4	8:00	8:00	4	4:00	4:00	4
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12:00	12:00	4	8:00	8:00	4	4:00	4:00	4
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CLASSES OF TIME BREAKDOWN
 DRILLING: TOTCO, FISHING, CIRCULATING
 CONDITIONING MUD: TRIPPING, CORING
 CASING: W.O.C., D.S. TESTING
 LOGGING: W.O. ORDERS, RIG REPAIRS
 RIG MAINTENANCE: MISCELLANEOUS, CONDITION HOLES
 REAMING CLEANING: WORKING PIPE, LOST CIRC.
 DID YOU CHECK PREVENTER EQUIPMENT? YES NO

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

IMPERIAL OIL LIMITED

10E BLOW HIVER YT E-47- 137 Rge 15 W Contractor Month Year Day

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

Table with columns for From, To, Hole Made, Bit Size, Formation, 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, DRILL, Number, OD, ID, Length, INDICATOR WEIGHT OF TOTAL.

Serial No. FE998 Jet [] Conventional [] Nozzle Size 2-12 1-13 Bit Wear: T B G Depth Deviation

Table with columns for HOURS, Pump Press, Length of Pump Stroke, Strokes Per Min., Liner Size, On Line, Circulating.

Table with columns for Time, Visc., Wt., W L, pH, ADDITIVES — POUNDS.

Core No. Depth In Footage Hours Run Depth Out Recovery

Handwritten notes and data for core runs, including 'CHECK KELLY COCK', 'Show out standpipe', 'Work on low clutch', 'Work to bottom', 'Drilling', '72 HRS ON JARS'.

Driller: [Signature] [Signature] [Signature]

CLASSES OF TIME BREAKDOWN: DRG. OUT, TOTCO, FISHING, CIRCULATING, CONDITIONING MUD, TRIPPING, CORING, CASING, W.O.C, D.S. TESTING, LOGGING, W.O. ORDERS, RIG REPAIRS, RIG MAINTENANCE, MISCELLANEOUS, CONDITION HOLE, REAMING CLEANING, WORKING PIPE, LOST CIRC., DID YOU CHECK PREVENTER EQUIPMENT, YES, NO

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

IMPERIAL OIL LIMITED

10E BLOW RIVER

YT-E47

Lsd. Sec. Twn. Rge. W. Contractor 10E RIG #3 Month SEPT. Day 25

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

Table with columns: From, To, Hole Made, Bit Size, Formation. Data for 1st, 2nd, and 3rd tours.

Table with columns: D.P., Stands, Singles, Kelly, Drill. Collar Ft., Core Bbl. Ft., Size-D.P., Stands, Singles, Kelly, Drill. Collar Ft., Core Bbl. Ft., Size-D.P., Stands, Singles, Kelly, Drill. Collar Ft., Core Bbl. Ft.

Table with columns: DRILL Number, OD, ID, Length, INDICATOR WEIGHT OF TOTAL, COLLAR, DATA, No., Type, Time On Bit, Footage, WOB, RPM, Depth Pulled, Total Footage Drilled, Reamed.

Table with columns: Serial No., Jet, Conventional, Nozzle Size, Bit Wear, Deviation, HOURS, Pump Press, Length of Pump Stroke, Strokes Per Min., Liner Size.

Table with columns: Time, Visc., Wt., W L, pH, ADDITIVES - POUNDS. Includes handwritten notes like 'DOW 320' and '10.3 DOW 240'.

Table with columns: Core No., Depth In, Footage, Hours Run, Depth Out, Recovery.

Table with columns: From, To, Hrs. Includes handwritten entries for 'DRILLING', 'HECK FOR FLOW', 'DRILLING', and '54 HRS ON S.A.R.S.'.

Table with columns: DRILLER, CLASSES OF TIME BREAKDOWN (TOTCO, FISHING, CIRCULATING, etc.), DID YOU CHECK PREVENTER EQUIPMENT.

Total Contract Timehrs. Total Company Timehrs. Toolpusher Approved by

IMPERIAL OIL LIMITED

1.0E. BLOW RIVER, Y. E. 4.7 Lsd. Sec. Tw. Rge. W. Contractor 10E. RIG #3 Month SEPT. Day 23

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

Table with columns for From, To, Hole Made, Bit Size, Formation, Size-D.P., Stands, Singles, Kelly, Drill Collar Ft., Core Bbl. Ft., DRILL Number, OD, ID, Length, INDICATOR WEIGHT OF TOTAL, COLLAR, DATA, No., Type, Time On Bit, Footage, WOB, RPM, Depth Pulled, Total Footage Drilled, Reamed.

Serial No. FE973 MM639 Jet [] Conventional [] Bit Wear: T 8 B 8 G 1

Table with columns for HOURS, Pump Press, Length of Pump Stroke, Strokes Per Min., Liner Size, On Line, Circulating.

Table with columns for Time, Visc., Wt., W L, pH, ADDITIVES - POUNDS.

Table with columns for Core No., Depth In, Footage, Hours Run, Depth Out, Recovery.

Table with columns for From, To, Hrs., DRILLING, TRIP OUT, TRIP IN, WORKING, BOTTOM, LUBRICATING.

Driller: [Signature]

CLASSES OF TIME BREAKDOWN: TOTCO, FISHING, CIRCULATING, CONDITIONING MUD, CASING, LOGGING, W.O. ORDERS, RIG REPAIRS, RIG MAINTENANCE, MISCELLANEOUS, CONDITION MILE, REAMING CLEANING, WORKING PIPE, LOST CIRC., DID YOU CHECK PREVENTER EQUIPMENT

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

IMPERIAL OIL LIMITED

IDE BLOW RIVER YT E47 Lsd..... Sec..... Twn..... Rge..... W..... Contractor 813 5 Month SEPT Day 22

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m To: 4:00 p.m. 3rd Tour From: 4:00 p.m To: 12:00 p.m.

Table with columns for From, To, Hole Made, Bit Size, Formation, Stands, Singles, Kelly, Drill Collar Ft, Core Bbl. Ft, Size-D.P., and Drilling String details for three tours.

Serial No. 681526 - FE973 Jet [] Conventional [] Bit Serial No. FE973 Jet [] Conventional []

Table with columns for HOURS, Pump Press, Length of Pump Stroke, Strokes Per Min, and Liner Size for three tours.

Table with columns for Visc., Wt., W L, pH, and ADDITIVES - POUNDS for three tours.

Table with columns for Core No., Depth In, Footage, Hours Run, Depth Out, and Recovery for three tours.

Table with columns for From, To, Hrs. and descriptions of activities like 'Change working angle', 'Trip in', 'Line not spearing properly', 'Trip in', 'Drilling'.

Driller: Phil R... Driller: ... Driller: ...

CLASSES OF TIME BREAKDOWN: TOTCO, FISHING, CIRCULATING, CASING, LOGGING, RIG MAINTENANCE, REAMING CLEANING, DID YOU CHECK PREVENTER EQUIPMENT

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

IMPERIAL OIL LIMITED

10E RIVER E47 Lsd. Sec. Tw. Rge. W. Contractor Months Days

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

Table with columns for From, To, Hole Made, Bit Size, Formation, Size-D.P., Stands, Singles, Kelly, Drill, Collar Ft, Core Bbl. Ft, etc. Includes handwritten entries for 10459 and 10457.

Table with columns for No., Type, Time On Bit, Footage, WOB, RPM, Depth Pulled, Total Footage Drilled, Reamed.

Table with columns for Bit Serial No., Jet, Conventional, Nozzle size, Bit Wear, T, B, G.

Table with columns for Depth, Deviation, HOURS, Pump Press, Length of Pump Stroke, Strokes Per Min, Liner Size.

Table with columns for Time, Visc., Wt., W, L, pH, ADDITIVES - POUNDS.

Table with columns for Core No., Depth In, Footage, Hours Run, Depth Out, Recovery.

Table with columns for From, To, Hrs. (Trip out stop, change bit, etc.)

Table with columns for From, To, Hrs. (Change bit, rig repairs, etc.)

Table with columns for From, To, Hrs. (Rig up, new line, etc.)

Table with columns for From, To, Hrs. (Rig up, new line, etc.)

Table with columns for From, To, Hrs. (Rig up, new line, etc.)

Table with columns for From, To, Hrs. (Rig up, new line, etc.)

Table with columns for From, To, Hrs. (Rig up, new line, etc.)

Table with columns for From, To, Hrs. (Rig up, new line, etc.)

Table with columns for From, To, Hrs. (Rig up, new line, etc.)

Table with columns for From, To, Hrs. (Rig up, new line, etc.)

Table with columns for From, To, Hrs. (Rig up, new line, etc.)

Table with columns for From, To, Hrs. (Rig up, new line, etc.)

Table with columns for From, To, Hrs. (Rig up, new line, etc.)

Table with columns for From, To, Hrs. (Rig up, new line, etc.)

Table with columns for From, To, Hrs. (Rig up, new line, etc.)

Table with columns for From, To, Hrs. (Rig up, new line, etc.)

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 100

WIDE RLOW RIVER E47 Lsd. Sec. Tw. Rge. W Contractor R.R. #3 Month. APR Day 20

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

Table with columns for From, To, Hole Made, Bit Size, Formation, etc. for three tours. Includes handwritten data for hole 10459 and 10458.

Table with columns for No., Type, Time On Bit, Footage, WOB, RPM, Depth Pulled, Total Footage Drilled, Reamed.

Table with columns for HOURS, Pump Press, Length of Pump Stroke, Strokes Per Min., Liner Size.

Table with columns for Time, Visc., Wt., W, L, pH, ADDITIVES - POUNDS.

Table with columns for Core No., Depth In, Footage, Hours Run, Depth Out, Recovery.

Driller: Paul Payne

Table with columns for CLASSES OF TIME BREAKDOWN: TOTCO, DRILLING, FISHING, CIRCULATING, etc.

Total Contract Time, Total Company Time, Toolpusher, Approved by

IMPERIAL OIL LIMITED

LOC. BLOW RIVER E 47 Lsd. Sec. Tw. Rge. W. Contractor 112 73 Month 12 1957 Day 19

1st Tour From: **12:00** Midnight To: **8:00** a.m. 2nd Tour From: **8:00** a.m. To: **4:00** p.m. 3rd Tour From: **4:00** p.m. To: **12:00** p.m.

Table with columns: From, To, Hole Made, Bit Size, Formation, Size-D.P., Stands, Singles, Kelly, Drill. Collar Ft., Core Bbl. Ft. for 1st, 2nd, and 3rd tours.

Table with columns: DRILL Number, OD, ID, Length, INDICATOR WEIGHT OF TOTAL, COLLAR, DATA for 1st, 2nd, and 3rd tours.

Table with columns: No., Type, Time On Bit, Footage, WOB, RPM, Depth Pulled, Total Footage Drilled, Reamed for 1st, 2nd, and 3rd tours.

Table with columns: Bit Serial No., Jet, Conventional, Nozzle Size, Bit Wear, Depth for 1st, 2nd, and 3rd tours.

Table with columns: HOURS, On Line, Circulating, Pump Press, Length of Pump Stroke, Strokes Per Min., Liner Size for 1st, 2nd, and 3rd tours.

Table with columns: Time, Visc., Wt., W L, pH, ADDITIVES - POUNDS for 1st, 2nd, and 3rd tours.

Table with columns: Core No., Depth In, Footage, Hours Run, Depth Out, Recovery for 1st, 2nd, and 3rd tours.

Table with columns: From, To, Hrs. for RIF IN HOLE, GRA TO BOTTOM, DRILLING for 1st, 2nd, and 3rd tours.

OF LINER D.C. + 32 1/2 STOS

Driller: Paul Rowe Stuart Edwards Alvin James Evans

Table with columns: CLASSES OF TIME BREAKDOWN, DRG. OUT, LOGGING, RIG MAINTENANCE, REAMING CLEANING, DID YOU CHECK PREVENTER EQUIPMENT

Total Contract Timehrs. Total Company Timehrs. Toolpusher Approved by

2 (200 bks - 5-68)

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 154

1.0E BLOW RIVER VTE47 Lsd..... Sec..... Twn..... Rge..... W..... Contractor 102 RIG 3 Month SEPT Day 18

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

1st Tour										2nd Tour										3rd Tour									
From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation															
25	10263	38	9 1/2	2 STABS 2 REAMERS 12 45	10263	10301	38	9 1/2	2 STABS 2 REAMERS 12 45	10301	10317	38	9 1/2	2 STABS 2 REAMERS															
D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Drill. Collar Ft.	Core Bbl. Ft.														
101	1		10	732.72	SHOCK 8.96	4 1/2	102	-	34	732.72	SHOCK 8.96	4 1/2	102	-	19	732.72	SHOCK 8.96												
DRILL	Number	OD	ID	Length	INDICATOR	WEIGHT	OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR	WEIGHT	OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR	WEIGHT	OF TOTAL						
COLLAR	24	6 3/4	2 7/8	717.78	DRILLING STRING	DRILL COLLARS		COLLAR	24	6 3/4	2 7/8	717.78	DRILLING STRING	DRILL COLLARS		COLLAR	24	6 3/4	2 7/8	717.78	DRILLING STRING	DRILL COLLARS							
DATA	1	8 1/2	2 7/8	14.94	226	62		DATA	1	8 1/2	2 7/8	14.94	226	62		DATA	1	8 1/2	2 7/8	14.94	226	62							
No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed	No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed	No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed			
50	X55R	43 1/2	38	25-50	58		183	7	50	X55R	51 1/4	38	50	5890		221	2	50	X55R	54	38	50	58	203	2	237			

Serial No. <u>L2492</u>	Jet <input checked="" type="checkbox"/> Conventional <input type="checkbox"/>	Bit Serial No. <u>L2492</u>	Jet <input checked="" type="checkbox"/> Conventional <input type="checkbox"/>	Bit Serial No. <u>L2492</u>	Jet <input type="checkbox"/> Conventional <input checked="" type="checkbox"/>
Nozzle Size <u>3-12</u>	Bit Wear: T <u> </u> B <u> </u> G <u> </u>	Nozzle Size <u>7-12</u>	Bit Wear: T <u> </u> B <u> </u> G <u> </u>	Nozzle Size <u>2-12</u>	Bit Wear: T <u> </u> B <u> </u> G <u> </u>
Depth <u> </u>	Deviation <u> </u>	Depth <u> </u>	Deviation <u> </u>	Depth <u>10310</u>	Deviation <u>7 3/4</u>

HOURS					HOURS					HOURS							
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
		1950	8 1/2	125	6 1/4	7						2 3/4		1950	8 1/2	125	6 1/4

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
00 47	8.7			11.5	GEL - 2000 LB
05 47	8.7			11.5	
10 47	8.7			11.5	
16 47	8.8			11.5	
					SHOULDER - 705KS.

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery
DBE TEM 10°					

From	To	Hrs.	From	To	Hrs.	From	To	Hrs.
12:00	4:25	4 1/4	8	3	7			
4:25	5:50	1 1/4	3	3 1/2	1/4			
4:30			3	4	3/4			
10244-10250		5:00						
5:00	8:00	3						

DRILLING
 SERVICE RIS
 DRILLING

DRILLED IN CAVITY @ 10250
 AT 38 BBLs MUD

Driller: <u>Phil Rouse</u>	Driller: <u>[Signature]</u>	Driller: <u>[Signature]</u>
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CLASSES OF TIME BREAKDOWN	CONDITIONING MUD:	CASING:	LOGGING:	RIG MAINTENANCE:	REAMING CLEANING:	DID YOU CHECK PREVENTER EQUIPMENT?
TOTCO:	TRIPPING:	W.O.C:	W.O. ORDERS:	MISCELLANEOUS:	WORKING PIPE:	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
FISHING:	CORING:	D.S. TESTING:	RIG REPAIRS:	CONDITION HOLE:	LOST CIRC:	
CIRCULATING:						

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

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 123

10E BLOW RIVER YTE47 Lsd..... Sec..... Twn..... Rge..... W..... Contractor 10E RIG #3 Month SEPT Day 17

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

Table with columns for From, To, Hole Made, Bit Size, Formation, Stands, Singles, Kelly, Drill Collar Ft., Core Bbl. Ft., Size-D.P., No., Type, Time On Bit, Footage, WOB, RPM, Depth Pulled, Total Footage Drilled, Reamed.

Table with columns for Serial No., Jet/Conventional, Nozzle Size, Bit Wear, Depth, Deviation.

Table with columns for HOURS, Pump Press, Length of Pump Stroke, Strokes Per Min., Liner Size.

Table with columns for Time, Visc., Wt., W L, pH, ADDITIVES - POUNDS.

Table with columns for Core No., Depth In, Footage, Hours Run, Depth Out, Recovery.

Table with columns for From, To, Hrs.

Table with columns for Driller, and various operational notes.

Table with columns for 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., and DID YOU CHECK PREVENTER EQUIPMENT.

Total Contract Timehrs. Total Company Timehrs. Toolpusher Approved by

IMPERIAL OIL LIMITED

L.O.E.: BLOW RIVER YTEH7 Lsd. Sec. Tw. Rge. W. Contractor L.O.E. RIA #3 Month SEPT Day 16

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

Table with columns: From, To, Hole Made, Bit Size, Formation. Contains handwritten data for three tours.

Table with columns: D.P., Stands, Singles, Kelly, Drill. Collar Ft., Core Bbl. Ft. Contains handwritten data for three tours.

Table with columns: DRILL Number, OD, ID, Length, INDICATOR WEIGHT, TOTAL. Contains handwritten data for three tours.

Table with columns: COLLAR DATA, No., Type, Time On Bit, Footage, WOB, RPM, Depth Pulled, Total Footage. Contains handwritten data for three tours.

Table with columns: Serial No., Jet, Conventional, Bit Serial No., Nozzle Size, Bit Wear. Contains handwritten data for three tours.

Table with columns: HOURS, Pump Press, Length of Pump Stroke, Strokes Per Min., Liner Size. Contains handwritten data for three tours.

Table with columns: Time, Visc., Wt., W L, pH, ADDITIVES - POUNDS. Contains handwritten data for three tours.

Table with columns: Core No., Depth In, Footage, Hours Run, Depth Out, Recovery. Contains handwritten data for three tours.

Table with columns: From, To, Hrs. Contains handwritten data for three tours.

Table with columns: From, To, Hrs. Contains handwritten data for three tours.

Table with columns: From, To, Hrs. Contains handwritten data for three tours.

Table with columns: From, To, Hrs. Contains handwritten data for three tours.

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Table with columns: From, To, Hrs. Contains handwritten data for three tours.

Table with columns: From, To, Hrs. Contains handwritten data for three tours.

Table with columns: From, To, Hrs. Contains handwritten data for three tours.

IMPERIAL OIL LIMITED

IOE Blow River YIF 47 Lsd. Sec. Twn. Rge. W. Contractor RIG RIG 3 Month SEPT Day 2

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 a.m.

Table with columns for From, To, Hole Made, Bit Size, Formation, Size-D.P., Stands, Singles, Kelly, Drill. Collar Ft., Core Bbl. Ft., No., Type, Time On Bit, Footage, WOB, RPM, Depth Pulled, Total Footage Drilled, Reamed.

Table with columns for Serial No., Jet, Conventional, Nozzle Size, Bit Wear, T, B, G, Deviation.

Table with columns for HOURS, On Line, Circulating, Pump Press, Length of Pump Stroke, Strokes Per Min., Liner Size.

Table with columns for Time, Visc., Wt., W L, pH, ADDITIVES - POUNDS.

Table with columns for Core No., Depth In, Footage, Hours Run, Depth Out, Recovery.

Table with columns for From, To, Hrs., DRILLING, WORK ON pumps, DRILLING, WORK ON pumps, RIGGING.

Driller: J. L. ...

Table with columns for CLASSES OF TIME BREAKDOWN, TOTCO, FISHING, CIRCULATING, CONDITIONING MUD, TRIPPING, CORING, CASING, W.O.C, D.S. TESTING, LOGGING, W.O. ORDERS, RIG REPAIRS, RIG MAINTENANCE, MISCELLANEOUS, CONDITION HOLE, REAMING CLEANING, WORKING PIPE, LOST CIRC., DID YOU CHECK PREVENTER EQUIPMENT.

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

IMPERIAL OIL LIMITED

W.F. Blair, Inc. Y.T.E. 77 Lsd. Sec. Tw. Rge. W Contractor F.P. 3 #3 Month SEPT Day 4

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 a.m.

Table with columns for From, To, Hole Made, Bit Size, Formation, D.P., Stands, Singles, Kelly, Drill Collar Ft., Core Bbl. Ft., Size-D.P., Stands, Sing, No., Type, Time On Bit, Footage, WOB, RPM, Depth Pulled, Total Footage Drilled, Reamed.

Serial No. 681468 Jet [] Conventional [] Nozzle Size 3-13 Bit Wear: T B G

Table with columns for HOURS, On Line, Circulating, Pump Press, Length of Pump Stroke, Strokes Per Min, Liner Size.

Visc. Wt. W L pH ADDITIVES - POUNDS SPSATIN - 1800

Table with columns for Core No., Depth In, Footage, Hours Run, Depth Out, Recovery.

Table with columns for From, To, Hrs. and detailed log entries such as 'BUG PIPE TRIP OUT', 'TRIP A 1000', 'BEAM 15' PUEH LAMP', 'BEAM KAT HOLE NO. 10027', 'WORK OVER END', 'DRILLING', 'SLUG PIPE - 3. W. KELLY TRIP OUT'.

Driller: [Signature]

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

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

02 (200 bks.-5-68)

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 12

IOE Blaw River Y.T. #47 Lsd Sec Twn Rge W Contractor IOE R. 3-3 Month SEPT Day 13

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

1st Tour							2nd Tour							3rd Tour								
From	To	Hole Made	Bit Size	Formation			From	To	Hole Made	Bit Size	Formation			From	To	Hole Made	Bit Size	Formation				
1027				MAGNET	220		1027				MAGNET	220		1027				MAGNET	220			
J.P.	Stands	Singles	Kelly	Drill Collar Ft.	Core Bbl. Ft.		J.P.	Stands	Singles	Kelly	Drill Collar Ft.	Core Bbl. Ft.		J.P.	Stands	Singles	Kelly	Drill Collar Ft.	Core Bbl. Ft.			
	104		33	302.63				104		33	302.63				104		33	302.63				
Drill Number	OD	ID	Length	INDICATOR	WEIGHT OF TOTAL		Drill Number	OD	ID	Length	INDICATOR	WEIGHT OF TOTAL		Drill Number	OD	ID	Length	INDICATOR	WEIGHT OF TOTAL			
10	6 3/4	2 1/4	302.63	DRILLING STRING	DRILL COLLARS		10	6 3/4	2 1/4	302.63	DRILLING STRING	DRILL COLLARS		10	6 3/4	2 1/4	302.63	DRILLING STRING	DRILL COLLARS			
			190		30 m					190		30					190		30			
Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled / Reamed	No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled / Reamed	No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled / Reamed

Serial No. Jet Conventional Bit Serial No. Jet Conventional

1st Tour						2nd Tour						3rd 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	On Line	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min	Liner Size
		620	8 1/2	125	10 1/4												

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
					SERRON - 1900												

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery
						ERIDGE 7-40	8°										

From	To	Hrs	From	To	Hrs	From	To	Hrs
TRIP OUT WITH MAGNET	12		TRIP OUT	2:22		WORK MAGNET 4"	4	
WORK SUB	145	3 1/4	DETAILED SUB - MAGNET	2:30		TRIP OUT	4:20	
LEAVE MAGNET JUNK SUB	145	2:30	TRIP IN	3:30	1 1/4	SLIP PIPE - TRIP OUT	4:30	7:30
SERVICE RIG BARS	200	2:45	WORK JUNK SUB - MAGNET	3:30	1:00	GREEN MAGNET JUNK SUB	7:00	7:00
TRIP IN HOLES	240	3:14				GET TO DRAG LINE	7:00	7:00
WORK MAGNET JUNK SUB	600	2:00				TRIP IN MAGNET JUNK SUB	7:00	7:00
WORK PIPE TRIP OUT	700	3				WORK MAGNET JUNK SUB	7:00	7:00

Driller: G. Alvarado Driller: G. Alvarado Driller: G. Alvarado

CLASSES OF TIME BREAKDOWN

DRLG. OUT:	TOTCO:	CONDITIONING MUD:	CASING:	LOGGING:	RIG MAINTENANCE:	REAMING CLEANING:	SID YOU CHECK PREVENTER EQUIPMENT
FISHING:	FISHING:	TRIPPING:	W.O.C:	W.O. ORDERS:	MISCELLANEOUS:	WORKING PIPE	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
CIRCULATING:	CIRCULATING:	CORING:	D.S. TESTING:	RIG REPAIRS:	CONDITION HOLE:	LOST CIRC.	

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

IMPERIAL OIL LIMITED

IOE Blow River Y F47 Lsd. Sec. Town Rge. W. Contractor IOE RIG #3 Month SEPT Day 12

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

Table with columns: From, To, Hole Made, Bit Size, Formation. Includes handwritten entries like '9 3/4' and '10027'.

Table with columns: D.P., Stands, Singles, Kelly, Drill Collar Ft., Core Bbl. Ft., Size-D.P., Stands, Singles, Kelly, Drill Collar Ft., Core Bbl. Ft. Includes handwritten entries like '99', '15', '247 88', 'JARS 6.80', 'Junk Sub 198', '4 1/2', '4 1/2', '11 1/2', '247 22'.

Table with columns: DRILL Number, OD, ID, Length, INDICATOR WEIGHT OF TOTAL, DRILLING STRING, DRILL COLLARS. Includes handwritten entries like '25', '6 3/4', '2 1/4', '247 88', '220', '62'.

Table with columns: Type, Time On Bit, Footage, WOB, RPM, Depth Pulled, Total Footage Drilled, Reamed. Includes handwritten entry 'YHWG'.

Table with columns: Serial No., Jet, Conventional, Bit Serial No., Jet, Conventional, Nozzle Size, Bit Wear. Includes handwritten entries '260035', '3-18'.

Table with columns: Depth, Deviation. Includes handwritten entries '3', '1500', '4 1/2', '1 1/2', '6 1/2'.

Table with columns: HOURS, Pump Press, Length of Pump Stroke, Strokes Per Min, Liner Size. Includes handwritten entries '3', '1500', '4 1/2', '1 1/2', '6 1/2'.

Table with columns: Visc., Wt., W L, pH, ADDITIVES - POUNDS. Includes handwritten entries '2000', '15'.

Table with columns: Time, Visc., Wt., W L, pH, ADDITIVES - POUNDS. Includes handwritten entries '2000', '15'.

Table with columns: Core No., Depth In, Footage, Hours Run, Depth Out, Recovery. Includes handwritten entries 'FRIDGE TEST', 'FINE EXTENSIBLES'.

Table with columns: From, To, Hrs. Includes handwritten entries '8:00', '8:05', '3/4'.

Table with columns: From, To, Hrs. Includes handwritten entries '8:00', '8:05', '3/4'.

Table with columns: From, To, Hrs. Includes handwritten entries '8:00', '8:05', '3/4'.

Table with columns: From, To, Hrs. Includes handwritten entries '8:00', '8:05', '3/4'.

Table with columns: From, To, Hrs. Includes handwritten entries '8:00', '8:05', '3/4'.

Table with columns: From, To, Hrs. Includes handwritten entries '8:00', '8:05', '3/4'.

Table with columns: From, To, Hrs. Includes handwritten entries '8:00', '8:05', '3/4'.

Table with columns: From, To, Hrs. Includes handwritten entries '8:00', '8:05', '3/4'.

Table with columns: From, To, Hrs. Includes handwritten entries '8:00', '8:05', '3/4'.

Table with columns: From, To, Hrs. Includes handwritten entries '8:00', '8:05', '3/4'.

Table with columns: From, To, Hrs. Includes handwritten entries '8:00', '8:05', '3/4'.

Table with columns: From, To, Hrs. Includes handwritten entries '8:00', '8:05', '3/4'.

Table with columns: From, To, Hrs. Includes handwritten entries '8:00', '8:05', '3/4'.

Table with columns: From, To, Hrs. Includes handwritten entries '8:00', '8:05', '3/4'.

Table with columns: From, To, Hrs. Includes handwritten entries '8:00', '8:05', '3/4'.

Table with columns: From, To, Hrs. Includes handwritten entries '8:00', '8:05', '3/4'.

IMPERIAL OIL LIMITED

IOE Blow River YTF47 Lsd. Sec. Tw. Rge. W. Contractor J.P. G. 3 Months SEPT Day 11

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

Table with columns for D.P., Stands, Singles, Kelly, Drill Collar Ft., Core Bbl. Ft., Size-D.P., Stands, Singles, Drill Collar Ft., Core Bbl. Ft., Drill Number, OD, ID, Length, INDICATOR, WEIGHT OF TOTAL, DRILLING STRING, DRILL COLLARS, DATA, No., Type, Time On Bit, Footage, WOB, RPM, Depth Pulled, Total Footage Drilled, Reamed.

Serial No. 78868 Jet [] Conventional [] Nozzle Size 3-18 Bit Wear: T B G

Table with columns for HOURS, On Line, Circulating, Pump Press, Length of Pump Stroke, Strokes Per Min., Liner Size.

Table with columns for Time, Visc., Wt., W L, pH, ADDITIVES — POUNDS.

Table with columns for Core No., Depth In, Footage, Hours Run, Depth Out, Recovery.

Table with columns for From, To, Hrs. and trip logs: TRIP OUT WITH JUNK SUB, SERVICE RIG, CHANGE COLLARS IN LINE, TRIP TO HOLE.

Driller: C. Ch... Driller: Paul Rowe Driller: Paul Rowe

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.

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

IMPERIAL OIL LIMITED

IOE Blow Rec YTF47 Lsd Sec Tw n Rge W Contractor IOE R 253 Month SEPT Day 10

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

Table with columns for D.P., Stands, Singles, Kelly, Drill Collar Ft., Core Bbl. Ft., and various well parameters for three tours.

Table with columns for Jet/Conventional, Bit Serial No., Nozzle Size, and Bit Wear.

Table with columns for HOURS, Pump Press, Length of Pump Stroke, Strokes Per Min., and Liner Size.

Table with columns for Time, Visc., Wt., W L, pH, and ADDITIVES - POUNDS.

Table with columns for Core No., Depth In, Footage, Hours Run, Depth Out, and Recovery.

Table with columns for From, To, Hrs. and detailed well logs including 'RUN IN HOLES TO TOP BRIDGE' and 'TRIP OUT'.

Driller: C. Clemente

Table with columns for CLASSES OF TIME BREAKDOWN: DRG. OUT, FISHING, CIRCULATING, CON: ITIONING MUD, TRIP IN: 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., and a 'DID YOU CHECK PREVENTER EQUIPMENT?' section.

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

IMPERIAL OIL LIMITED

IOE 15150 River / TE 47 Lsd Sec Twn Lge W Contractor IOE R 33 Month SEPT Day 7

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

From To Hole Made Bit Size Formation

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

L Number OD ID Length INDICATOR WEIGHT OF TOTAL DRILL Number OD ID Length INDICATOR WEIGHT OF TOTAL DRILL Number OD ID Length INDICATOR WEIGHT OF TOTAL

DRILLING STRING DRILL COLLARS COLLAR DATA DRILLING STRING DRILL COLLARS COLLAR DATA DRILLING STRING DRILL COLLARS COLLAR DATA

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

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

Nozzle Size Bit Wear T B G Nozzle Size Bit Wear T B G Nozzle Size Bit Wear T B G

Depth Deviation Depth Deviation Depth Deviation

H O U R S Pump Press Length of Pump Stroke Strokes Per Min. Liner Size H O U R S Pump Press Length of Pump Stroke Strokes Per Min. Liner Size H O U R S Pump Press Length of Pump Stroke Strokes Per Min. Liner Size

Line Circulating On Line Circulating On Line Circulating

Visc. Wt. W L pH ADDITIVES --- POUNDS Time Visc. Wt. W L pH ADDITIVES --- POUNDS Time Visc. Wt. W L pH ADDITIVES --- POUNDS

Core No. Depth In Footage Hours Run Depth Out Recovery Core No. Depth In Footage Hours Run Depth Out Recovery Core No. Depth In Footage Hours Run Depth Out Recovery

From To Hrs. From To Hrs. From To Hrs.

LEADING 12 3 3 LEADING 8 4 8 LEADING 8 4 8

Driller: [Signature] Driller: [Signature] Driller: [Signature]

CLASSES OF TIME BREAKDOWN TOTCO, FISHING, CIRCULATING, CONDLITIONING 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.

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

DID YOU CHECK PREVENTER EQUIPMENT YES NO

IMPERIAL OIL LIMITED

10E Blow H. 1st 4T 2H2 Lsd..... Sec..... Twn..... Rge..... W..... Contractor H.P.T. 23 Month Sep Day 6

1st Tour From: **12:00** Midnight To: **8:00** a.m. 2nd Tour From: **8:00** a.m. To **4:00** p.m. 3rd Tour From: **4:00** p.m. To **12:00** p.m.

From	To	Hole Made	Bit Size	Formation	From	To	Hole M	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation
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D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Drill. Collar Ft.	Core Bbl. Ft.
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L. Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL
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DRILLING STRING	DRILL COLLARS	DRILLING STRING	DRILL COLLARS	DRILLING STRING	DRILL COLLARS
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No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed	No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed	No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed
-----	------	-------------	---------	-----	-----	--------------	-----------------------	--------	-----	------	-------------	---------	-----	-----	--------------	-----------------------	--------	-----	------	-------------	---------	-----	-----	--------------	-----------------------	--------

Serial No.	Jet	Conventional	Bit Serial No.	Jet	Conventional	Bit Serial No.	Jet	Conventional
------------	-----	--------------	----------------	-----	--------------	----------------	-----	--------------

Nozzle Size	Bit Wear: T B G	Nozzle Size	Bit Wear: T B G	Nozzle Size	Bit Wear: T B G
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Depth	Deviation	Depth	Deviation	Depth	Deviation
-------	-----------	-------	-----------	-------	-----------

HOURS	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURS	Impress	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURS	Pump Press	Length of Pump Stroke	Strokes Per Min.
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On Line	Circulating	On Line	Circulating	On Line	Circulating
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Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
------	-------	-----	-----	----	--------------------	------	-------	-----	-----	----	--------------------	------	-------	-----	-----	----	--------------------

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery
----------	----------	---------	-----------	-----------	----------	----------	----------	---------	-----------	-----------	----------	----------	----------	---------	-----------	-----------	----------

From	To	Hrs.	From	To	Hrs.	From	To	Hrs.
------	----	------	------	----	------	------	----	------

1st Tour: 12:00 - 8:00
 2nd Tour: 8:00 - 4:00
 3rd Tour: 4:00 - 12:00

Driller: H. P. T. 23

Driller: H. P. T. 23

Driller: H. P. T. 23

Headline: Headline

1st pullline out 12 30 15 3/4

2nd pullline out 12 30 15 3/4

3rd pullline out 12 30 15 3/4

4th pullline out 12 30 15 3/4

5th pullline out 12 30 15 3/4

6th pullline out 12 30 15 3/4

7th pullline out 12 30 15 3/4

8th pullline out 12 30 15 3/4

9th pullline out 12 30 15 3/4

10th pullline out 12 30 15 3/4

11th pullline out 12 30 15 3/4

12th pullline out 12 30 15 3/4

13th pullline out 12 30 15 3/4

14th pullline out 12 30 15 3/4

15th pullline out 12 30 15 3/4

16th pullline out 12 30 15 3/4

17th pullline out 12 30 15 3/4

18th pullline out 12 30 15 3/4

19th pullline out 12 30 15 3/4

20th pullline out 12 30 15 3/4

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 122

1.0 E. BLVD. P.O. BOX 47 Lsd. Sec. Tw. Rge. W. Contractor Month Year Day

1st Tour From 12:00 Midnight To: 8:00 a.m. 2nd Tour From 8:00 a.m. To: 4:00 p.m. 3rd Tour From 4:00 p.m. To: 12:00 p.m.

Table with columns for From, To, Hole Made, Bit Size, Formation, etc. for three tours. Includes handwritten data for hole 10027.

Serial No. ES 757 Jet [] Conventional [] Bit Serial No. Jet [] Conventional []

Table with columns for HOURS, Pump Press, Length of Pump Stroke, Strokes Per Min., Liner Size.

Table with columns for Visc., Wt., W L, pH, ADDITIVES — POUNDS.

Table with columns for Core No., Depth In, Footage, Hours Run, Depth Out, Recovery.

Table with columns for From, To, Hrs. and handwritten notes on operations like 'TRIP OUT', 'Change Rubber Molds', etc.

Driller: H. [Name] Driller: [Name] Driller: [Name]

CLASSES OF TIME BREAKDOWN: TOTCO, FISHING, CIRCULATING, etc. DID YOU CHECK B PREVENTER EQUIPMENT?

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

(200 bks. 5-68)

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 12

10E. Blow River YTE47 Lsd. Sec. Tw. Rge. W. Contractor NAT 3 Month Sept Day 6

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

From	To	Hole Made	Bit Size	Formation	From	To	Hole	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation
27				RTTS Tool 1372	10027				RTTS Tool 1372	10027				
40	1	75 IN			45	92				4 1/2				

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

Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	

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

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

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

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	
44	88			2														

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	

From	To	Hrs.	From	To	Hrs.	From	To	Hrs.

REGULATE WAIT on BRIDGE PLUG 2 20
 CIRC WAIT on BRIDGE PLUG 2 815
 TRIP out WORK on 815 9
 alter in compound 9 930
 TRIP out TO RUN BRIDGE 9 930 10
 WAIT on BRIDGE PLUG 10 11 30 12
 make up BRIDGE PLUG REAMER
 in hold 12 11 30 12
 coolant get more thru 3
 60T casing broke Singers 25 up 4 1
 10 01 WAIT on 0 2

WORK 3M-DIE WAS - CIRCULATE 4100
 116 115111
 SLUG PIPE - 2 1/2" OUT WITH 2 1/2
 BRIDGE PLUG 2 1/2

DRILLER: H. M. S. J. S. DRILLER: C. L. S. DRILLER: Phil Rowe

CLASSES OF TIME BREAKDOWN
 DRG. OUT: TOTCO: FISHING: CIRCULATING: CONDITIONING MUD: TRIPPING: CORING: CASING: W.O.C. D.S. TESTING: LOGGING: W.O. ORDERS: RIG REPAIRS: RIG MAINTENANCE: MISCELLANEOUS: CONDITION HOLE: REAMING CLEANING: WORKING PIPE: LOST CIRC.: DID YOU CHECK PREVENTER EQUIPMENT: YES NO

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

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 12

1.0 E. Blow River E 47 Lsd. Sec. Tw. Rge. W Contractor N.A.T. 3 Month Sept. Day 5

1st Tour From: 12:00 Midnight To: 8:00 a.m.												2nd Tour From: 8:00 a.m. To: 4:00 p.m.												3rd Tour From: 4:00 p.m. To: 12:00 p.m.													
From		To		Hole Made		Bit Size		Formation				From		To		Hole Made		Bit Size		Formation				From		To		Hole Made		Bit Size		Formation					
227												10227												10027													
R.T.S. Tool 13 7/8												R.T.S. Tool 13 7/8												R.T.S. Tool													
D.P.		Stands		Singles		Kelly		Drill. Collar Ft.		Core Bbl. Ft.		Size-D.P.		Stands		Singles		Kelly		Drill. Collar Ft.		Core Bbl. Ft.		Size-D.P.		Stands		Singles		Kelly		Drill. Collar Ft.		Core Bbl. Ft.			
18		1		8 IN								4 1/2		40		1		35 IN						4 1/2		40		1		35 IN							
LL Number		OD		ID		Length		INDICATOR WEIGHT OF TOTAL				DRILL Number		OD		ID		Length		INDICATOR WEIGHT OF TOTAL				DRILL Number		OD		ID		Length		INDICATOR WEIGHT OF TOTAL					
LAR		DRILLING STRING		DRILL COLLARS		COLLAR		DRILLING STRING				DRILL COLLARS		COLLAR		DRILLING STRING				DRILL COLLARS		COLLAR		DRILLING STRING				DRILL COLLARS									
DATA												DATA												DATA													
No.		Type		Time On Bit		Footage		WOB		RPM		Depth Pulled		Total Footage Drilled		Reamed		No.		Type		Time On Bit		Footage		WOB		RPM		Depth Pulled		Total Footage Drilled		Reamed			
Serial No. Jet <input type="checkbox"/> Conventional <input type="checkbox"/>												Serial No. Jet <input type="checkbox"/> Conventional <input type="checkbox"/>												Serial No. Jet <input type="checkbox"/> Conventional <input type="checkbox"/>													
Nozzle Size		Bit Wear: T		B		G		Nozzle Size		Bit Wear: T		B		G		Nozzle Size		Bit Wear: T		B		G		Nozzle Size		Bit Wear: T		B		G		Nozzle Size		Bit Wear: T		B	
Depth Deviation												Depth Deviation												Depth Deviation													
HOURS		Pump Press		Length of Pump Stroke		Strokes Per Min.		Liner Size		HOURS		Pump Press		Length of Pump Stroke		Strokes Per Min.		Liner Size		HOURS		Pump Press		Length of Pump Stroke		Strokes Per Min.		Liner Size		HOURS		Pump Press		Length of Pump Stroke		Strokes Per Min.	
On Line		Circulating		6.00		8 1/2		9.0		6		On Line		Circulating		+ 1/2		1.50		1 1/2		1.53		8		6.00-4.50		8 1/2		100-70							
Time		Visc.		Wt.		W L		pH		ADDITIVES — POUNDS		Time		Visc.		Wt.		W L		pH		ADDITIVES — POUNDS		Time		Visc.		Wt.		W L		pH		ADDITIVES — POUNDS			
6:30		4.4		6.1								6:30		4.4		6.1								6:30		4.4		6.1									
Core No.		Depth In		Footage		Hours Run		Depth Out		Recovery		Core No.		Depth In		Footage		Hours Run		Depth Out		Recovery		Core No.		Depth In		Footage		Hours Run		Depth Out		Recovery			
																										FRIDGE TEAM											
From To Hrs.												From To Hrs.												From To Hrs.													
CIRC WAIT on bridge plug 12 ²³ 8 ³⁰ 8												CIRC WAIT on bridge plug 8 10 ⁴⁵ 2 ³⁴												CIRCULATE - WAIT on BRIDGE PLUG 8 10 ⁴⁵ 2 ³⁴													
												PULL OUT 38 ft 10 ⁴⁵ 1 ³⁰ 2 ³⁴																									
												SET Packer 1 ³⁰ 2 ³⁰ 1																									
												CIRC WAIT on bridge plug 2 ³⁰ 4 ¹⁵																									
												CORK TRIPPING mud																									
Driller: <u>A. M...</u>												Driller: <u>C. ...</u>												Driller: <u>Phil. Rowe</u>													

CLASSES OF TIME BREAKDOWN

DRLG. OUT:	TOTCO:	CONDITIONING MUD:	CASING:	LOGGING:	RIG MAINTENANCE:	REAMING CLEANING:	DID YOU CHECK PREVENTER EQUIPMENT
FISHING:	TRIPPING:	TRIPPING:	W.O.C.	W.O. ORDERS:	MISCELLANEOUS:	WORKING PIPE:	YES ... NO
CIRCULATING:	CORING:	CORING:	S.S. TESTING:	RIG REPAIRS:	CONDITION HOLE:	LOST CIRC:	

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

IMPERIAL OIL LIMITED

10 E. Blow River E.H.7 Lsd. Sec. Tw. Rge. W. Contractor N.A.T. 3 Month Sept Day 4

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

Table with columns: From, To, Hole Made, Bit Size, Formation. Includes handwritten entries like 'RTS Tool 137' and '10027'.

Table with columns: D.P., Stands, Singles, Kelly, Drill, Collar Ft., Core Bbl. Ft. Includes handwritten entries like '78', '1', 'IN 8'.

Table with columns: DRILL Number, OD, ID, Length, INDICATOR WEIGHT OF TOTAL. Includes handwritten entries like '4 1/2', '78', '1', '8 IN'.

Table with columns: COLLAR, DRILLING STRING, DRILL COLLARS. Includes handwritten entries like 'DATA'.

Table with columns: No., Type, Time On Bit, Footage, WOB, RPM, Depth Pulled, Total Footage. Includes handwritten entries like '8', '2', '20', '5', '20', '6'.

Table with columns: Serial No., Jet, Conventional. Includes handwritten entries like '8', '2', '20', '5', '20', '6'.

Table with columns: Nozzle Size, Bit Wear, Deviation. Includes handwritten entries like '8', '2', '20', '5', '20', '6'.

Table with columns: HOURS, Pump Press, Length of Pump Stroke, Strokes Per Min., Liner Size. Includes handwritten entries like '12:00', '8 1/2', '145', '6'.

Table with columns: Visc., Wt., W L, pH, ADDITIVES - POUNDS. Includes handwritten entries like '12', '8.1', '12', 'GEL-1200', 'KELSPAN-100', 'H.C. JEL-34', 'PLASTER-50'.

Table with columns: Core No., Depth In, Footage, Hours Run, Depth Out, Recovery. Includes handwritten entries like 'FRID. TEMP 76'.

Table with columns: From, To, Hrs. Includes handwritten entries like '12:00', '3:00', '3'.

Table with columns: CIRC. WAIT ON BRIDGE, PLUG. Includes handwritten entries like 'CIRC. WAIT ON BRIDGE B 4 3', 'PLUG'.

Table with columns: CIRCULATE + WAIT ON BRIDGE PLUG. Includes handwritten entries like 'CIRCULATE + WAIT ON BRIDGE PLUG 4:00 12:00', 'IN 10 7334 SET', 'RC CONDITION MUD'.

Table with columns: SLOW OUT DRILL. Includes handwritten entry like 'SLOW OUT DRILL 2 200'.

Table with columns: Driller. Includes handwritten entries like 'Dr. P. J. ...', 'Dr. ...', 'Dr. Rawe'.

Table with columns: CLASSES OF TIME BREAKDOWN. Includes categories like TOTCO, FISHING, CIRCULATING, CONDITIONING MUD, CASING, LOGGING, RIG MAINTENANCE, REAMING CLEANING.

Table with columns: DID YOU CHECK PREVENTER EQUIPMENT. Includes handwritten entries like 'YES', 'NO'.

Table with columns: Total Contract Time, Total Company Time, Toolpusher, Approved by. Includes handwritten entries like 'Total Contract Time ... hrs.', 'Total Company Time ... hrs.', 'Toolpusher ...', 'Approved by ...'.

IMPERIAL OIL LIMITED

10E. BLOW RIVER E47 Lsd. Sec. Tw. Rge. W Contractor NAT 3 Month SEPT Day 3

1st Tour From: **12:00** Midnight To: **8:30** a.m. 2nd Tour From: **8:00** a.m. To: **4:00** p.m. 3rd Tour From: **4:00** p.m. To: **12:00** p.m.

From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation			
10027			9 1/2		10027			9 1/2		10027			9 1/2	RTFS TOOL			
D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
104	-	26	272.22			4 1/2	104		27.222			4 1/2	40	1			

DRILL Number	OD	ID	Length	INDICATOR	WEIGHT OF TOTAL	DRILL Number	OD	ID	Length	INDICATOR	WEIGHT OF TOTAL	DRILL Number	OD	ID	Length	INDICATOR	WEIGHT OF TOTAL
9	6 3/4	2 3/8	272.22			9	6 3/4	2 3/8	27.222			9	6 3/4	2 3/8	27.222		

DRILLING STRING	DRILL COLLARS	DATA	DRILLING STRING	DRILL COLLARS	DATA	DRILLING STRING	DRILL COLLARS	DATA
		185 M 23 M						

No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed	No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed	No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed
DT			5-20	55					45	DT																

Serial No.	Jet	Conventional	Bit Serial No.	Jet	Conventional	Serial No.	Jet	Conventional	Bit Serial No.	Jet	Conventional
74249	<input checked="" type="checkbox"/>	<input type="checkbox"/>	74249	<input checked="" type="checkbox"/>	<input type="checkbox"/>	74249	<input checked="" type="checkbox"/>	<input type="checkbox"/>	74249	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Nozzle Size	Bit Wear: T B G	Nozzle Size	Bit Wear: T B G	Nozzle Size	Bit Wear: T B G
3-1/2					

HOURS	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURS	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURS	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
On Line					On Line					On Line				
33	1250	8 1/2	155	6										

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	
33	8.8	12			CEL-2000													
35	8.9	12			CEL-2000													
34	8.9	12			CEL-2000													
34	8.9	12			CEL-2000													

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	

From	To	Hrs.	From	To	Hrs.	From	To	Hrs.
12:00	5:45	5 3/4	8:00	11:54	3 5/4	4:00	11:54	7 5/4

1st Tour: 12:00 - 5:45 (5 3/4 hrs)
 2nd Tour: 8:00 - 11:54 (3 5/4 hrs)
 3rd Tour: 4:00 - 11:54 (7 5/4 hrs)

12:00 - 5:45
 5:45 - 6:30
 6:30 - 8:00
 8:00 - 11:54
 11:54 - 12:00

Driller: H. P. ... Driller: H. P. ... Driller: H. P. ...

CLASSES OF TIME BREAKDOWN
 TOTCO: CONDITIONING MUD: CASING: LOGGING: RIG MAINTENANCE: REAMING CLEANING: DID YOU CHECK PREVENTER EQUIPMENT
 FISHING: TRIPPING: W.O.C: W.O. ORDERS: MISCELLANEOUS: WORKING PIPE: YES NO
 CIRCULATING: CORING: D.S. TESTING: RIG REPAIRS: CONDITION HOLE: LOST CIRC: YES NO

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

2 (200 bks.-5-68)

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 118

106. BLOW RIVER E.47 Lsd. Sec. Tw. Rge. W. Contractor 106. NAT. 3 Month 9 Day 2

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

1st Tour						2nd Tour						3rd Tour													
From	To	Hole Made	Bit Size	Formation		From	To	Hole No.	Bit Size	Formation		From	To	Hole Made	Bit Size	Formation									
1027			9 1/2			10027			9 1/2			10027			9 1/2										
D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Status	Singles	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.									
103	2			272	22	4 1/2	103	2	275	22	4 1/2	103	2	35	275	22									
L	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL								
9	6 3/4	28	26	6.5		9	6 3/4	28	26	6.5		9	6 3/4	28	26	6.5									
DRILLING STRING	DRILL COLLARS					DRILLING STRING	DRILL COLLARS					DRILLING STRING	DRILL COLLARS												
DATA						DATA						DATA													
184 23						184 23						184 23													
Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed	No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed	No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed
DT								45	DT								45	DT							

Serial No. 74249	Jet <input type="checkbox"/> Conventional <input type="checkbox"/>	Bit Serial No. 74249	Jet <input checked="" type="checkbox"/> Conventional <input type="checkbox"/>	Bit Serial No. 74249	Jet <input type="checkbox"/> Conventional <input type="checkbox"/>
Nozzle Size 3 1/2	Bit Wear: T B G	Nozzle Size 3-2	Bit Wear: T B G	Nozzle Size 3-2	Bit Wear: T B G

1st Tour						2nd Tour						3rd Tour					
HOURS	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	Deviation	HOURS	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	Deviation	HOURS	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	Deviation
On Line						On Line						On Line					
8			155			8	250	8 1/2	55			8					

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
3:00	31	48			600#	3:00	31	48			600#	3:00	31	48			600#
					150#						150#						150#
					34#						34#						34#
					600#						600#						600#

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery
												FRIDGE SEAL 30					

From	To	Hrs.	Description	From	To	Hrs.	Description
12:00	1:00	1	OUT CEMENT Top of hangoff 12"	8:00	11:45	3 3/4	CIRC. CONDITION MUD
1:00	4:00	3	IN TO 9424	11:45	7:00	7 1/4	DRILL WIPER PLUG
4:00	6:00	2	CIRCULATE While hauling pipe				
6:00	7:00	1	CR UP 12 SINGLES				
7:00	8:00	1	CR CONDITION MUD				

Driller: H. [Signature] Driller: [Signature] Driller: [Signature]

DRLG. OUT:	CLASSES OF TIME BREAKDOWN	CASING:	LOGGING:	RIG MAINTENANCE:	REAMING CLEANING:	DID YOU CHECK PREVENTER EQUIPME
	TOTCO: CONDITIONING MUD: CASING: V.O.C. LOGGING: W.O. ORDERS: RIG MAINTENANCE: MISCELLANEOUS: REAMING CLEANING: WORKING RIPE: LOST CIRC:	D.S. TESTING:	RIG REPAIRS:	CONDITION HOLE:		YES N

Total Contract Timehrs. Total Company Timehrs. Toolpusher Approved by

2 (200 bks.-5-68)

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 177

1015 Blanche Lsd. Sec. Tw. Age W Contractor *W.S.* Month *3/5* Day *1*

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

From To Hole Made Bit Size Formation From To Hole Made Bit Size Formation From To Hole Made Bit Size Formation

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

DRILL Number OD ID Length INDICATOR WEIGHT OF TOTAL DRILL Number OD ID Length INDICATOR WEIGHT OF TOTAL DRILL Number OD ID Length INDICATOR WEIGHT OF TOTAL

COLLAR DRILLING STRING DRILL COLLARS COLLAR DRILLING STRING DRILL COLLARS COLLAR DRILLING STRING DRILL COLLARS

DATA DATA DATA

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

Serial No. Jet Conventional Bit Serial No. Jet Conventional Bit Serial No. *74249* Jet Conventional

Nozzle Size Bit Wear: T B G Nozzle Size Bit Wear: T B G Nozzle Size *5-1/2"* Bit Wear: T B

Depth Deviation Depth Deviation Depth Deviation

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

On Line Circulating On Line Circulating On Line Circulating

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

Core No. Depth In Footage Hours Run Depth Out Recovery Core No. Depth In Footage Hours Run Depth Out Recovery Core No. Depth In Footage Hours Run Depth Out Recovery

From To Hrs. From To Hrs. From To Hrs.

DRILLER: *H. L. ...* DRILLER: *H. L. ...* DRILLER: *H. L. ...*

CLASSES OF TIME BREAKDOWN: TOTCO, FISHING, CIRCULATING; CONDITIONING MUD: TRIPPING, CORING; CASING: W.O.C., D.S. TESTING; LOGGING: W.O. ORDERS, RIG REPAIRS; RIG MAINTENANCE: MISCELLANEOUS, CONDITION HOLE; REAMING CLEANING: WORKING PIPE, LOST CIRC.; DID YOU CHECK PREVENTER EQUIPMENT: YES NO

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

Handwritten notes and signatures in the bottom section of the report.

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 116

102 Blowdown Unit Lsd. Sec. Twn. Rge. W. Contractor H-3 Month June Day 31

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

Table with columns: From, To, Hole Made, Bit Size, Formation. Includes handwritten entries like '10027'.

Table with columns: D.P., Stands, Singles, Kelly, Drill Collar Ft., Core Bbl. Ft.

Table with columns: DRILL Number, OD, ID, Length, INDICATOR WEIGHT OF TOTAL

Table with columns: COLLAR, DRILLING STRING, DRILL COLLARS

Table with columns: DATA

Table with columns: No., Type, Time On Bit, Footage, WOB, RPM, Depth Pulled, Total Footage Drilled, Reamed

Table with columns: Serial No., Jet, Conventional

Table with columns: Nozzle Size, Bit Wear, T, B, G

Table with columns: Depth, Deviation

Table with columns: HOURS, Pump Press, Length of Pump Stroke, Strokes Per Min., Liner Size

Table with columns: On Line, Circulating

Table with columns: Time, Visc., Wt., W L, pH, ADDITIVES — POUNDS

Table with columns: Time, Visc., Wt., W L, pH, ADDITIVES — POUNDS

Table with columns: Time, Visc., Wt., W L, pH, ADDITIVES — POUNDS

Table with columns: Time, Visc., Wt., W L, pH, ADDITIVES — POUNDS

Table with columns: Core No., Depth In, Footage, Hours Run, Depth Out, Recovery

Table with columns: Core No., Depth In, Footage, Hours Run, Depth Out, Recovery

Table with columns: Core No., Depth In, Footage, Hours Run, Depth Out, Recovery

Table with columns: From, To, Hrs.

Table with columns: From, To, Hrs.

Table with columns: From, To, Hrs.

Table with columns: From, To, Hrs.

Table with columns: From, To, Hrs.

Table with columns: From, To, Hrs.

Table with columns: From, To, Hrs.

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Table with columns: From, To, Hrs.

Table with columns: From, To, Hrs.

CLASSES OF TIME BREAKDOWN: DRG. OUT, FISHING, CIRCULATING, TOTCO, CONDITIONING MUD, TRIPPING, CORING, CASING, W.O.C., D.S. TESTING, LOGGING, W.O. ORDERS, RIG REPAIRS, RIG MAINTENANCE, MISCELLANEOUS, CONDITION HOLE, REAMING CLEANING, WORKING PIPE, LOST CIRC., DID YOU CHECK PREVENTER EQUIPMENT, YES, NO

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

(200 bks.-5-68)

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 115

1.0.E. BLANC RIVER Lsd. Sec. Twn. Rge. W. Contractor NA-3 Month Nov Day 30

1st Tour From: **12:00** Midnight To: **8:00** a.m. 2nd Tour From: **8:00** a.m. To: **4:00** p.m. 3rd Tour From: **4:00** p.m. To: **12:00** p.m.

1st Tour										2nd Tour										3rd Tour									
From	To	Hole Made	Bit Size	Formation						From	To	Hole Made	Bit Size	Formation						From	To	Hole Made	Bit Size	Formation					
12:00	12:00			SEAS 7.23 2 REAMS 14.09						8:00	8:00			SEAS 7.23 2 REAMS 14.09						4:00	4:00			SEAS 7.23 2 REAMS 14.09					
98	2	6	713.10	25 HR 14.25 15 HR 3.02						42	98	2	6	25 HR 14.25 15 HR 3.02						42	98	2	6	25 HR 14.25 15 HR 3.02					
DRILLING STRING DRILL COLLARS										DRILLING STRING DRILL COLLARS										DRILLING STRING DRILL COLLARS									
DATA 18 6 2 238.72 230 84										DATA 18 6 2 238.72 230 84										DATA 18 6 2 238.72 230 84									

No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed
18	6	2	238.72			230	84	

Hours	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
2:25	8 1/2	105	6	

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
2:49	9.24	9			SPARTAN = 2000

No.	Depth In	Footage	Hours Run	Depth Out	Recovery
					TEMP RE-RODGE UNIT 12"

From	To	Hrs.	From	To	Hrs.	From	To	Hrs.

Driller: [Signature] Driller: [Signature] Driller: [Signature]

CLASSES OF TIME BREAKDOWN	DID YOU CHECK BL PREVENTER EQUIPMENT					
DRILLING: _____ 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.: _____	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>

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

IMPERIAL OIL LIMITED

106 BROWN RIVER Lsd. Sec. Twn. Rge. W. Contractor 1-1-3 Month 4-6 Day 29

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

Table with columns: From, To, Hole Made, Bit Size, Formation. Includes handwritten entries for JHRG and 28 HOURS.

Table with columns: Size-D.P., Stands, Singles, Kelly, Drill. Collar Ft., Core Bbl. Ft.

Table with columns: DRILL Number, OD, ID, Length, INDICATOR WEIGHT OF TOTAL

Table with columns: COLLAR, DRILLING STRING, DRILL COLLARS

Table with columns: DATA

Table with columns: No., Type, Time On Bit, Footage, WOB, RPM, Depth Pulled, Total Footage Drilled, Reamed

Table with columns: Bit Serial No., Jet, Conventional

Table with columns: Nozzle Size, Bit Wear: T, B, G

Table with columns: Depth, Deviation

Table with columns: HOURS, Pump Press, Length of Pump Stroke, Strokes Per Min., Liner Size

Table with columns: Time, Visc., Wt., W L, pH, ADDITIVES - POUNDS

Table with columns: Time, Visc., Wt., W L, pH, ADDITIVES - POUNDS. Includes handwritten notes like 'CHC R-200'.

Table with columns: Core No., Depth In, Footage, Hours Run, Depth Out, Recovery

Table with columns: From, To, Hrs.

Table with columns: Logging - Velocity Survey, 12°

Table with columns: Logging - Velocity Survey, 12°

Table with columns: Logging - Velocity Survey, 12°

Table with columns: Logging - Velocity Survey, 12°

Table with columns: Logging - Velocity Survey, 12°

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Table with columns: Logging - Velocity Survey, 12°

Table with columns: Logging - Velocity Survey, 12°

IMPERIAL OIL LIMITED

1016 Brown River 1547 Lsd..... Sec..... Twn..... Rge..... W..... Contractor Nat 3 Month Dec Day 28

1st Tour From: **12:00** Midnight To: **8:00** a.m. 2nd Tour From: **8:00** a.m. To: **4:00** p.m. 3rd Tour From: **4:00** p.m. To: **12:00** p.m.

From	To	Hole Made	Bit Size	Formation	From	To	Hole M	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation
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Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Drill. Collar Ft.	Core Bbl. Ft.
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Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL
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DRILLING STRING	DRILL COLLARS	COLLAR	DRILLING STRING	DRILL COLLARS	COLLAR	DRILLING STRING	DRILL COLLARS
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Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed	No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed	No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed
------	-------------	---------	-----	-----	--------------	-----------------------	--------	-----	------	-------------	---------	-----	-----	--------------	-----------------------	--------	-----	------	-------------	---------	-----	-----	--------------	-----------------------	--------

Serial No.	Jet	Conventional	Bit Serial No.	Jet	Conventional	Bit Serial No.	Jet	Conventional
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Nozzle Size	Bit Wear	T	B	G	Nozzle Size	Bit Wear	T	B	G	Nozzle Size	Bit Wear	T	B
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Deviation	Depth	Deviation	Depth	Deviation
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HOURS	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURS	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURS	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
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Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	Time	Visc.	Wt.	W L	ADDITIVES — POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
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Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery
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From To Hrs. From To Hrs. From To Hrs.

LOGGING (SONIC) 12:00
 SENSORY - Side Wall Neutron 500 8

LOGGING - Side Wall Neutron 500 8
 INDUCTIVE LOGGING 4:00 8

LOGGING VELOCITY SURVEY 4 12

DRILLER: [Signature] DRILLER: [Signature] DRILLER: [Signature]

CLASSES OF TIME BREAKDOWN

DRLG. OUT: TOTCO: CONDITIONING MUD: CASING: LOGGING: RIG MAINTENANCE: REAMING CLEANING: DID YOU CHECK B
 FISHING: TRIPPING: CORING: W.O.C. W. O. ORDERS: MISCELLANEOUS: WORKING PIPE. PREVENTER EQUIPME
 CIRCULATING: CORING: D.S. TESTING: RIG REPAIRS: CONDITION HOLE: LOST CIRC. YES NO

Total Contract Timehrs. Total Company Timehrs. Toolpusher Approved by

IMPERIAL OIL LIMITED

106.6 Blow River E47 Lsd. Sec. Tw. Rge. W Contractor 14-3 Month Aug Day 27

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

Table with columns for D.P., Stands, Singles, Kelly, Drill, Collar Ft., Core Bbl. Ft., Size-D.P., Stands, Singles, Kelly, Drill, Collar Ft., Core Bbl. Ft., Size-D.P., Stands, Singles, Kelly, Drill, Collar Ft., Core Bbl. Ft. Includes data for 12 1/4, 12 1/2, and 12 3/4 inch bits.

Table with columns for Jet, Conventional, Bit Serial No., Nozzle Size, Bit Wear, Deviation. Includes handwritten bit serial numbers and nozzle sizes.

Table with columns for HOURS, Pump Press, Length of Pump Stroke, Strokes Per Min., Liner Size. Includes handwritten values for pump pressure and strokes per minute.

Table with columns for Time, Visc., Wt., W L, pH, ADDITIVES - POUNDS. Includes handwritten values for viscosity, weight, and additives.

Table with columns for Core No., Depth In, Footage, Hours Run, Depth Out, Recovery. Includes handwritten core numbers and depths.

Table with columns for From, To, Hrs. Includes handwritten notes about logging, slip stick line, pump slug, and hole cleaning.

Driller: [Handwritten Name]

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 CIRG.

Total Contract Time: [Handwritten] hrs. Total Company Time: [Handwritten] hrs. Approved by: [Handwritten Signature]

Additional handwritten notes and signatures at the bottom of the page.

2 (200 bk., 5-68)

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 111

105 Blanchard Ave

Lsd. Sec. Tw. Rge. W. Contractor 113

Month Jan Day 26

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation
10006	10027	4	8 1/2	2 STARS	10006	10027	4 1/2	8 3/8	2 STARS	10027	10027	4 1/2	8 3/8	2 STARS

D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
2	98	5	28	42	21.19	4 1/2	98	2	7	743.20	31.19	4 1/2	99	5	28	42	21.19

L Number	OD	ID	Length	INDICATOR	WEIGHT OF TOTAL	DRILL Number	OD	ID	Length	INDICATOR	WEIGHT OF TOTAL	DRILL Number	OD	ID	Length	INDICATOR	WEIGHT OF TOTAL
6	9	3	14.94	DRILLING STRING	DRILL COLLARS	6	9	3	14.94	DRILLING STRING	DRILL COLLARS	6	9	3	14.94	DRILLING STRING	DRILL COLLARS

Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed	No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed
2	2	4	25	80		4		AK10	2	2	4	25	80		4	

Serial No.	Jet	Conventional	Bit Serial No.	Jet	Conventional	Bit Serial No.	Jet	Conventional
EC 7019	<input type="checkbox"/>	<input type="checkbox"/>	EC 7019	<input type="checkbox"/>	<input type="checkbox"/>	EC 7019	<input type="checkbox"/>	<input type="checkbox"/>

HOURLS	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURLS	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURLS	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
1	1350	14	52	2 1/2	7 1/2	1700	14	50	2 1/2					

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
46	7.1	75			OW-B 20# Caustic 50#	8:00	45	7.1	15		OW-B 20# Caustic 50#						

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery
3	1002	4	2			13	1000	2	25	7 1/2	10027	13	1002	25	7 1/2	10027	

From	To	Hrs.	From	To	Hrs.	From	To	Hrs.
5:57	7:45	1/2	3:10	3:30	20	7:10	7:30	20

Driller: *[Signature]* Driller: *[Signature]* Driller: *[Signature]*

CLASSES OF TIME BREAKDOWN: DRUG. OUT, TOTCO, FISHING, CIRCULATING, CONDITIONING MUD, TRIPPING, CORING, CASING, W.O.C, D.S. TESTING, LOGGING, W.O. ORDERS, RIG REPAIRS, RIG MAINTENANCE, MISCELLANEOUS, CONDITION HOLE, REAMING, CLEANING, WORKING, LOST CIRC., DID YOU CHECK PREVENTER EQUIPMENT, YES, NO

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

IMPERIAL OIL LIMITED

10E BLOW RIVER 547

Lsd..... Sec..... Twn..... Rge..... W..... Contractor 10E RIG 3 Month Aug Day 25

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

Table with columns: From, To, Hole Made, Bit Size, Formation. Includes handwritten data for three tours.

Table with columns: D.P., Stands, Singles, Kelly, Drill Collar Ft., Core Bbl. Ft. Includes handwritten data for three tours.

Table with columns: DRILL Number, OD, ID, Length, INDICATOR WEIGHT OF TOTAL. Includes handwritten data for three tours.

Table with columns: COLLAR, DRILLING STRING, DRILL COLLARS. Includes handwritten data for three tours.

Table with columns: No., Type, Time On Bit, Footage, WOB, RPM, Depth Pulled, Total Footage Drilled, Reamed. Includes handwritten data for three tours.

Table with columns: Jet, Conventional, Bit Wear, T, B, G. Includes handwritten data for three tours.

Table with columns: HOURS, Pump Press, Length of Pump Stroke, Strokes Per Min., Liner Size. Includes handwritten data for three tours.

Table with columns: Time, Visc., Wt., W L, pH, ADDITIVES — POUNDS. Includes handwritten data for three tours.

Table with columns: Core No., Depth In, Footage, Hours Run, Depth Out, Recovery. Includes handwritten data for three tours.

Table with columns: From, To, Hrs. Includes handwritten data for three tours.

Table with columns: Description of operations and time. Includes handwritten notes like 'CIRCULATE SAMPLE', 'STOP 10' TOP OF D.C. CHECK', 'LEAK & LAY DOWN REAMERS', '24 CASING REAMERS', 'DRILL 13' MORE'. Includes handwritten data for three tours.

Table with columns: Driller. Includes handwritten names for three tours.

Table with columns: CLASSES OF TIME BREAKDOWN, CASING, LOGGING, RIG MAINTENANCE, REAMING CLEANING. Includes handwritten data for three tours.

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

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 109

WELL No. E47 Lsd. Sec. Twn. Rge. W. Contractor RIG 3 Month Aug Day 24 1970

1st Tour From: 12:00 Midnight To: 8:00 a.m.										2nd Tour From: 8:00 a.m. To: 4:00 p.m.										3rd Tour From: 4:00 p.m. To: 12:00 p.m.																									
Bit Size		Formation		From		To		Hole M. L.		Bit Size		Formation		From		To		Hole M. L.		Bit Size		Formation		From		To		Hole M. L.																	
12 1/4		JARS		7:37		7:00		79-40		46		2 1/2		2 REPAIRS		7:58		79-40		46		2 1/2		2 REPAIRS		7:58		79-40		46															
14 1/2		2 REPAIRS		7:58		7:00		79-40		46		2 1/2		2 REPAIRS		7:58		79-40		46		2 1/2		2 REPAIRS		7:58		79-40		46															
14 1/2		2 REPAIRS		7:58		7:00		79-40		46		2 1/2		2 REPAIRS		7:58		79-40		46		2 1/2		2 REPAIRS		7:58		79-40		46															
654		39		Core Bbl. Ft.		21		21		654		39		Core Bbl. Ft.		21		21		654		39		Core Bbl. Ft.		21		21																	
INDICATOR WEIGHT OF TOTAL										INDICATOR WEIGHT OF TOTAL										INDICATOR WEIGHT OF TOTAL																									
DRILLING STRING										DRILLING STRING										DRILLING STRING																									
DRILL COLLARS										DRILL COLLARS										DRILL COLLARS																									
DATA										DATA										DATA																									
WOB		RPM		Depth Pulled		Total Footage Drilled		Reamed		No.		Type		Time On Bit		Footage		WOB		RPM		Depth Pulled		Total Footage Drilled		Reamed		No.		Type		Time On Bit		Footage		WOB		RPM		Depth Pulled		Total Footage Drilled		Reamed	
72		72		72		72		72		72		72		72		72		72		72		72		72		72		72		72		72		72		72		72		72		72			
Jet <input checked="" type="checkbox"/> Conventional <input type="checkbox"/>										Jet <input checked="" type="checkbox"/> Conventional <input type="checkbox"/>										Jet <input checked="" type="checkbox"/> Conventional <input type="checkbox"/>																									
Bit Wear: T B G										Bit Wear: T B G										Bit Wear: T B G																									
Deviation										Deviation										Deviation																									
HOURS										HOURS										HOURS																									
On Line										On Line										On Line																									
Circulating										Circulating										Circulating																									
pH										pH										pH																									
ADDITIVES — POUNDS										ADDITIVES — POUNDS										ADDITIVES — POUNDS																									
9.5 CAUSTIC 50 LBS										9.5 CAUSTIC 50 LBS										9.5 CAUSTIC 50 LBS																									
9.5 DOW-3 20 LBS										9.5 DOW-3 20 LBS										9.5 DOW-3 20 LBS																									
9.0										9.0										9.0																									
9.0										9.0										9.0																									
Hours Run										Hours Run										Hours Run																									
Depth Out										Depth Out										Depth Out																									
Recovery										Recovery										Recovery																									
From To Hrs										From To Hrs										From To Hrs																									
12:00 8:00 8										8:00 4:00 8										4:00 12:00 8																									
Driller: <u>R. T. C. C.</u>										Driller: <u>R. T. C. C.</u>										Driller: <u>R. T. C. C.</u>																									

TIME BREAKDOWN CONDITIONING MUD: _____ hrs. TRIPPING: _____ hrs. CORING: _____ hrs.										CASING: W.O.C. _____ hrs. D.S. TESTING: _____ hrs.										LOGGING: W.O. ORDERS: _____ hrs. RIG REPAIRS: _____ hrs.										RIG MAINTENANCE: MISCELLANEOUS: _____ hrs. CONDITION HOLE: _____ hrs.										REAMING: CLEANING: _____ hrs. WORKING PIPE: _____ hrs. LOST CIRC.: _____ hrs.										DID YOU CHECK BLOWOUT PREVENTER EQUIPMENT TODAY? YES _____ NO _____									
Total Company Time _____ hrs.										Total Company Time _____ hrs.										Total Company Time _____ hrs.										Total Company Time _____ hrs.										Approved by _____																			

IMPERIAL OIL LIMITED

LOC. BLOW RIVER E47 Lsd. Sec. Tw. Rge. W. Contractor LAE. RIG 3 Month Aug Day 23

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

Table with columns for From, To, Hole Made, Bit Size, Formation, etc. for three tours. Includes handwritten data for hole 68 9818 and 9872.

Table for Jet/Conventional, Nozzle Size, Bit Wear, and Depth/Deviation.

Table for HOURS, Pump Press, Length of Pump Stroke, Strokes Per Min, and Liner Size.

Table for Visc., Wt., W L, pH, and ADDITIVES - POUNDS.

Table for Core No., Depth In, Footage, Hours Run, Depth Out, and Recovery.

Table for DRILLING, From, To, Hrs. Includes handwritten notes on drilling progress.

Driller: Phil Rowe

Table for CLASSES OF TIME BREAKDOWN: TOTCO, FISHING, CIRCULATING, etc.

Total Contracting Time ... hrs. Total Company Time ... hrs. Approved by ...

DID YOU CHECK PREVENTER EQUIPMENT YES NO

2 (200 bks.-5-68)

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 10

I.O.E. BLDOW RIVER E47 Lsd..... Sec..... Tw..... Rge..... W..... Contractor L.E. PIG 3 Month Aug Day 22

1st Tour From: **12:00** Midnight To: **8:00** a.m. 2nd Tour From: **8:00** a.m. To: **4:00** p.m. 3rd Tour From: **4:00** p.m. To: **12:00** p.m.

From	To	Hole Made	Bit Size	Formation	7.37	From	To	Hole Made	Bit Size	Formation	7.37	From	To	Hole Made	Bit Size	Formation	7.37						
62	9629	67	12 1/4	JARS 2 REAMERS 3 STARS	12.58 14.25	9629	9701	72	12 1/4	JARS 2 REAMERS 3 STARS	12.58 14.25	9701	9767	67	12 1/4	JARS 2 REAMERS 3 STARS	12.58 14.25						
D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.						
1/2	95	1	22	654.39	SMOCK 508 8.85 DRAIN SUB 2.10	4 1/2	96	-	12	654.39	SMOCK 8.85	4 1/2	96	2	7	654.39	SMOCK 8.85						
L	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL						
AR	2	6	11	3	38.24 165.94	COLLAR	2	4	3	38.24 165.94	DRILLING STRING	COLLAR	2	4	3	38.24 165.94	DRILLING STRING						
TA	15	6 3/4	2 7/8	450.21	227	DATA	15	6 3/4	2 7/8	450.21	227	DATA	15	6 3/4	2 7/8	450.21	227						
p.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage	No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage	No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage
	K55R	4 1/2	67	60	56	329	24	42	K55R	5 1/2	72	60	56	401	24	42	K55R	6 3/4	67	60	56	401	24

Serial No. <u>10710</u>	Jet <input checked="" type="checkbox"/> Conventional <input type="checkbox"/>	Bit Serial No. <u>10710</u>	Jet <input checked="" type="checkbox"/> Conventional <input type="checkbox"/>	Bit Serial No. <u>10710</u>	Jet <input checked="" type="checkbox"/> Conventional <input type="checkbox"/>
Nozzle Size <u>3-16</u>	Bit Wear: T..... B..... G.....	Nozzle Size <u>3-16</u>	Bit Wear: T..... B..... G.....	Nozzle Size <u>3-16</u>	Bit Wear: T..... B..... G.....

HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
On Line	Circulating				
		1500	8 1/2	170	6

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
00 46	9.1	10.0			GEL - 100.0
00 45	9.2	10.0			KELZAN - 100.0
00 46	9.1	9.5			PLASTER - 100.0
					CD PL - 34
					DDW 20.

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery

From	To	Hrs.
12:00	8:00	8

From	To	Hrs.
8:00	2:00	1 1/2
2:00	4:00	1 1/2
4:00	4:00	0 1/4

Driller: Phil Rawls Driller: Phil Rawls Driller: Phil Rawls

DRLG. OUT:	CLASSES OF TIME BREAKDOWN	CONDITIONING MUD:	CASING:	LOGGING:	RIG MAINTENANCE:	REAMING CLEANING:	DID YOU CHECK PREVENTER EQUIPMENT
	TOTCO:	TRIPPING:	W.O.C:	W.O. ORDERS:	MISCELLANEOUS:	WORKING PIPE:	YES <input type="checkbox"/> NO <input type="checkbox"/>
	FISHING:	CORING:	D.S. TESTING:	RIG REPAIRS:	CONDITION HOLD:	LOST CIRC:	
	CIRCULATING:						

Total Contract Timehrs. Total Company Timehrs. Approved by Phil Rawls

IMPERIAL OIL LIMITED

I.O.E. BLOW RIVER E47 Lsd..... Sec..... Twn..... Rge..... W..... Contractor I.O.E. RIG 3 Month Aug Day 21

1st Tour From: **12:00** Midnight To: **8:00** a.m. 2nd Tour From: **8:00** a.m. To: **4:00** p.m. 3rd Tour From: **4:00** p.m. To: **12:00** p.m.

From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation
70	9435	65	12 1/4	JARS 7.37 2 REAMERS 12.58 2 STARS 14.25	9435	9501	66	12 1/4	JARS 7.37 2 REAMERS 12.58 2 STARS 14.25	9501	9562	61	12 1/4	JARS 7.37 2 REAMERS 12.58 2 STARS 14.25

D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
1/2	93	1	29	654.39	3 WOB SUB 8.85 D.P. INSUR 2.10	4 1/2	94	-	25	654.39	SHOCK SUB 8.85 D.P. INSUR 2.10	4 1/2	94	2	29	654.39	3 WOB SUB 8.85 D.P. INSUR 2.10

DRILL	Number	OD	ID	Length	INDICATOR	WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR	WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR	WEIGHT OF TOTAL	
COLLAR	2	6	4	3	38.24	DRILLING STRING	COLLAR	2	6	4	3	38.24	DRILLING STRING	COLLAR	2	6	4	3	38.24	DRILLING STRING	DRILL

DATA	No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamer	DATA	No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamer				
42	15	6 3/4	278	450	21	225	78 M	42	15	6 3/4	278	450	21	225	78 M	42	15	6 3/4	278	450	21	225	78 M

Serial No.	Jet	Conventional	Bit Serial No.	Jet	Conventional	Bit Serial No.	Jet	Conventional
1P710	<input checked="" type="checkbox"/>	<input type="checkbox"/>	2P710	<input checked="" type="checkbox"/>	<input type="checkbox"/>	2P710	<input checked="" type="checkbox"/>	<input type="checkbox"/>

NOZZLE SIZE	BIT WEAR	DEPTH	NOZZLE SIZE	BIT WEAR	DEPTH	NOZZLE SIZE	BIT WEAR	DEPTH
3-16	T B G		3-16	T B G		3-16	T B G	

HOURS	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURS	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURS	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
On Line	1500	14	170	6	On Line	500	14	170	6	On Line				

Time	Visc.	Wt.	W L	pH	ADDITIVES	POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES	POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES	POUNDS
00	42	9.2			9.5 SFL-1000	485	00	42	9.2			9.5 SFL-1000	485	00	42	9.2			9.5 SFL-1000	485

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	
RIDGE TEMP	14°																	

DRILLING	From	To	Hrs.	DRILLING	From	To	Hrs.	DRILLING	From	To	Hrs.
	12:00	8:00	8		8:00	1:00	2		4:00	7:00	7

DRILLING	8:00	1:00	2	DRILLING	10:00	10:00	0	DRILLING	10:00	10:00	0
DRILLING	10:00	10:00	0	DRILLING	10:00	10:00	0	DRILLING	10:00	10:00	0
DRILLING	10:00	10:00	0	DRILLING	10:00	10:00	0	DRILLING	10:00	10:00	0
DRILLING	10:00	10:00	0	DRILLING	10:00	10:00	0	DRILLING	10:00	10:00	0

BLOW OUT DRILL @ 6.00

Driller	Driller	Driller
Phil Rowe	Light	Pat

CLASSES OF TIME BREAKDOWN	CONDITIONING MUD:	CASING:	LOGGING:	RIG MAINTENANCE:	REAMING CLEANING:	DID YOU CHECK PREVENTER EQUIPMENT?
TOTCO:	CONDITIONING MUD:	W.O.C.	W.O. ORDERS:	MISCELLANEOUS:	WORKING PIPE: <td>YES</td>	YES

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

IMPERIAL OIL LIMITED

I.D.E. BLOW RIVER E47

Lsd. Sec. Twn. Rge. W.

Contractor I.O.E. RIG 3 Month Aug Day 19

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

Table with columns for From, To, Hole Made, Bit Size, Formation, Stands, Singles, Kelly, Drill Collar Ft., Core Bbl. Ft., DRILL Number, OD, ID, Length, INDICATOR WEIGHT OF TOTAL, COLLAR, DATA, No., Type, Time On Bit, Footage, WOB, RPM, Depth Pulled, Total Footage Drilled, Reamed.

Table with columns for Serial No., Jet, Conventional, Nozzle Size, Bit Wear, T, B, G, Depth, Deviation.

Table with columns for HOURS, Pump Press, Length of Pump Stroke, Strokes Per Min., Liner Size, On Line, Circulating.

Table with columns for Time, Visc., Wt., W L, pH, ADDITIVES - POUNDS.

Table with columns for Core No., Depth In, Footage, Hours Run, Depth Out, Recovery.

Table with columns for From, To, Hrs., DRILLING, STOP TOTCO, CHANGE PIPE, TRIP OUT, STOP 10 MIN, CHECK GAGE, SERVICE RIG, PICK UP CORE BARREL.

Driller: Phil Payne

Table with columns for DRG. OUT, CLASSES OF TIME BREAKDOWN, FISHING, TRIPPING, CIRCUITING, CORING, CASING, W.O.C., D.S. TESTING, LOGGING, W.O. ORDERS, RIG REPAIRS, RIG MAINTENANCE, MISCELLANEOUS, CONDITION HOLD, REAMING CLEANING, WORKING PIPE, LOST CIRC., DID YOU CHECK PREVENTER EQUIPMENT, YES, NO.

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

IMPERIAL OIL LIMITED

TOF Blm P.L.C. E47 Lsd. Sec. Tw. Rge. W. Contractor I.E.P. 8 Month 8 Day 16

Table with 3 columns for 1st, 2nd, and 3rd tours. Each column contains fields for From/To, Hole Made, Bit Size, Kelly, Drill Collar Ft., Core Bbl. Ft., Stands, Singles, Kelly, Drill Collar Ft., Core Bbl. Ft., No. Type, Time On Bit, Footage, WOB, RPM, Depth Pulled, Total Footage Drilled/Reamed.

Table with 3 columns for Jet/Conventional bit status. Fields include Bit Serial No., Nozzle Size, Bit Wear (T, B, G), and Depth.

Table with 3 columns for HOURS. Fields include On Line, Circulating, Pump Press, Length of Pump Stroke, Strokes Per Min., Liner Size.

Table with 3 columns for ADDITIVES. Fields include Time, Visc., Wt., W, L, pH, ADDITIVES - POUNDS.

Table with 3 columns for Core No., Depth In, Footage, Hours Run, Depth Out, Recovery.

Table with 3 columns for DRILLING. Fields include From, To, Hrs.

Table with 3 columns for WORK ON PUMP MOTORS, DRILLING, CIRCULATE SAMPLE.

Table with 3 columns for DRILLER. Fields include Driller name.

Table with 3 columns for CLASSES OF TIME BREAKDOWN. Fields include DRG. OUT, TOTCO, FISHING, CIRCULATING, CONDITIONING MUD, TRIPPING, CORING, CASING, W.O.C., D.S. TESTING, LOGGING, W.O. ORDERS, RIG REPAIRS, RIG MAINTENANCE, MISCELLANEOUS, CONDITION HOLE, REAMING CLEANING, WORKING PIPE, LOST CIRC., and DID YOU CHECK PREVENTER EQUIPMENT.

Table with 3 columns for Total Contract Time, Total Company Time, Toolpusher, and Approved by.

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 1

Well: Blue River 247 Lsd..... Sec..... Twn..... Rge..... W..... Contractor: J. J. ... Month: 7 Day: 1

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

Table with columns for From, To, Hole Made, Bit Size, Stands, Singles, Kelly, Drill, Collar Ft., Core Bbl. Ft., Size-D.P., etc. for three tours.

Table with columns for Jet, Conventional, Nozzle Size, Bit Wear, T, B, G.

Table with columns for HOURS, Pump Press, Length of Pump Stroke, Strokes Per Min., Liner Size.

Table with columns for Time, Visc., Wt., W L, pH, ADDITIVES - POUNDS.

Table with columns for Core No., Depth In, Footage, Hours Run, Depth Out, Recovery.

Table with columns for From, To, Hrs. and activity descriptions like DRILLING, SERVICE RIG.

Driller: C. ... Driller: Phil Rowe Driller: ...

Table with columns for CLASSES OF TIME BREAKDOWN: TOTCO, FISHING, CIRCULATING, CASING, LOGGING, RIG MAINTENANCE, REAMING CLEANING, etc.

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

IMPERIAL OIL LIMITED

I.O.E. Blow River - E47 Lsd..... Sec..... Twn..... Rge..... W..... Contractor T.E. R.C. #3 Month 8 Day 16

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

Table with columns for From, To, Hole Made, Bit Size, Formation, Stands, Singles, Kelly, Drill Collar Ft., Core Bbl. Ft., Size-D.P., etc. for three tours.

Table with columns for Bit Serial No., Jet, Conventional, Nozzle Size, Bit Wear, Depth, Deviation.

Table with columns for HOURS, Pump Press, Length of Pump Stroke, Strokes Per Min., Liner Size.

Table with columns for Time, Visc., Wt., W L, pH, ADDITIVES - POUNDS.

Table with columns for Core No., Depth In, Footage, Hours Run, Depth Out, Recovery.

Table with columns for From, To, Hrs. and detailed activity logs like DRILLING, TRIP OUT STOP, SERVICE RIG, etc.

Driller: A. Clements

CLASSES OF TIME BREAKDOWN: TOTCO, FISHING, CIRCULATING, etc.

Total Contract Timehrs. Total Company Timehrs. Toolpusher Approved by

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No.

IOE Blow River East Lsd. Sec. Twn. Rge. W. Contractor ... Month ... Day ...

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

Table with columns for Hole Made, Bit Size, Shock Submergence, Stands, Singles, Kelly, Drill Collar Ft., Core Bbl. Ft., etc. for three tours.

Table with columns for Serial No., Jet, Conventional, Nozzle Size, Bit Wear, etc.

Table with columns for HOURS, Pump Press, Length of Pump Stroke, Strokes Per Min., Liner Size, etc.

Table with columns for Time, Visc., Wt., W L, pH, ADDITIVES - POUNDS, etc.

Table with columns for Core No., Depth In, Footage, Hours Run, Depth Out, Recovery, etc.

Table with columns for From, To, Hrs., Work on new Churned, Wash off, etc.

Driller: G. Clemente Paul Ingle ...

CLASSES OF TIME BREAKDOWN: TOTCO, FISHING, CIRCULATING, etc.

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

Table with columns for Driller, Toolpusher, etc. and various time breakdown categories.

02 (200 bks. 5-68)

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. _____

Job No. 1208445 Lsd. _____ Sec. _____ Twn. _____ Rge. _____ W. _____ Contractor _____ Month _____ Day _____

1st Tour From: **12:00** Midnight To: **8:00** a.m. 2nd Tour From: **8:00** a.m. To: **4:00** p.m. 3rd Tour From: **4:00** p.m. To: **12:00** p.m.

1st Tour						2nd Tour						3rd Tour														
From	To	Hole Made	Bit Size	Formation	Core Bbl. Ft.	From	To	Hole Made	Bit Size	Formation	Core Bbl. Ft.	From	To	Hole Made	Bit Size	Formation	Core Bbl. Ft.									
1208445	25	8 3/8	8 3/8	1 R. 200	30 32	8445	12 1/4	2 STABS	14 1/2	2 STABS	4.70	8445														
D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.									
80	1			86510	30 32	4 1/2	79	2	42	921.96	4.70	4 1/2	79	2		37	921.96	4.70								
DRILL Number	OD	ID	Length	INDICATOR	WEIGHT OF TOTAL	DRILL Number	OD	ID	Length	INDICATOR	WEIGHT OF TOTAL	DRILL Number	OD	ID	Length	INDICATOR	WEIGHT OF TOTAL									
5	9	3	182.77	DRILLING STRING	DRILL COLLARS	2	4	3	63.94	DRILLING STRING	DRILL COLLARS	2	4	3	165.94	DRILLING STRING	DRILL COLLARS									
TA	24	6 3/4	2 1/2	71.78	210	DATA	24	6 3/4	2 1/2	71.78	100 M.	DATA	24	6 3/4	2 1/2	71.78	222									
No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed	No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed	No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed
10	P.O.	5	25	12-2000	80		25		40	VHG								40	VHG							

Bit Serial No. FC 7019 Jet Conventional Bit Serial No. 573488 Jet Conventional
 Nozzle Size _____ Bit Wear: T _____ B _____ G _____ Nozzle Size 3-16 Bit Wear: T _____ B _____ G _____
 Depth _____ Deviation _____ Depth _____ Deviation _____

1st Tour					2nd Tour					3rd 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.	On Line	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	
6		1100	14	50	65						7		1000	2	9

1st Tour					2nd Tour					3rd Tour					
Time	Visc.	Wt.	W L	pH	Time	Visc.	Wt.	W L	pH	Time	Visc.	Wt.	W L	pH	
30	49	9.2+		9	WATER = 1" STICK										
30	49	9.2+		9											
30	44	9.2+12.4		9											
00	43	9.2+		9											

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery
1	8420	25	5			BRIDGE TEMP 101											

1st Tour			2nd Tour			3rd Tour		
From	To	Hrs.	From	To	Hrs.	From	To	Hrs.
Rip in hole tak. 28	12 1/2	1 1/2	TRIP OUT 2000	12 00	1 00	TRIP IN 2000	12 00	1 00
ARC Dropped Ball	1 30	2 30	CHANGE STAB	12 00	1 00	CHANGE STAB	12 00	1 00
SANDY	2 30	3 30	RECOVER 100	12 00	1 00	RECOVER 100	12 00	1 00
Pump SLUG TRIP OUT	7 30	8 30	SERVICE - 400	12 00	1 00	SERVICE - 400	12 00	1 00
			SERVICE 50	12 00	1 00	SERVICE 50	12 00	1 00
			CHANGE REAMING	12 00	1 00	CHANGE REAMING	12 00	1 00
			TRIP	12 00	1 00	TRIP	12 00	1 00

Driller: [Signature] Driller: [Signature] Driller: [Signature]

CLASSES OF TIME BREAKDOWN										DID YOU CHECK PREVENTER EQUIPMENT												
DRG. OUT:	TOYCO:	FISHING:	CIRCULATING:	CONDITIONING MUD:	TRIPPING:	CORING:	CASING:	W.O.C:	D.S. TESTING:	LOGGING:	W.O. ORDERS:	RIG REPAIRS:	RIG MAINTENANCE:	MISPL. IS. COND.:	ANCE:	REAMING:	CLEANING:	WORKING PIPE:	LOST CIRC.	YES	NO	
Total Contract Time																						

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

IMPERIAL OIL LIMITED

IOE Blow River E47

Lsd. Sec. Twn. Rge. W. Contractor I.E.P.O. 3. Month 8. Day 12

1st Tour From: 2:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

Table with columns for From, To, Hole Made, Bit Size, Formation, Size-D.P., Stands, Singles, Kelly, Drill, Collar Ft., Core Bbl. Ft., No., Type, Time On Bit, Footage, WOB, RPM, Depth, Total Footage Drilled, Reamed.

Bit Serial No. 280638 Jet [] Conventional [] Bit Serial No. 280638 Jet [] Conventional [] Bit Serial No. 280638 Jet [] Conventional []

Nozzle Size 2-15-18 Bit Wear: T B G Nozzle Size 2-15-18 Bit Wear: T B G Nozzle Size 2-15-18 Bit Wear: T B G

Table with columns for HOURS, Pump Press, Length of Pump Stroke, Strokes Per Min., Liner Size.

Time Visc. Wt. W L pH ADDITIVES - POUNDS Time Visc. Wt. W L pH ADDITIVES - POUNDS Time Visc. Wt. W L pH ADDITIVES - POUNDS

9:15 40 9.2+ 9.5 GEL = 1000 8:45 44 9.2+ 100 GEL = 1000 LBS. 10:30 40 9.2+ 9.5 KSLZAN = 100 11:00 46 7.2 100 GELZAN - 100 LBS. 10:15 42 9.2+ 10 CHR. ALUM = 34 11:30 44 7.2 100 PLASTER - 100 LBS. 10:00 45 9.2+ 10.5 DOWNCIDE B = 25 CRAL - 34 LBS. 10:45 9.2 10.5 PLASTER = 100 SPARTAN - 1000 LBS.

Core No. Depth In Footage Hours Run Depth Out Recovery Core No. Depth In Footage Hours Run Depth Out Recovery Core No. Depth In Footage Hours Run Depth Out Recovery

FRIDGE Temp 14' From To Hrs. FRIDGE Temp 14' From To Hrs. FRIDGE Temp 14' From To Hrs.

DRILLING 12 6 6 DRILLING 8:00 2:15 4 24 DRILLING 5H Dec 2:48 From To

BOY DRILL 6 10 5 DRILLING 2:52 2:55 2 DRILLING 2:52 2:55 2

DRILLING 6:15 8 1 1/4 DRILLING 2:30 4:00 1 2 DRILLING 2:30 4:00 1 2

Driller: A. Clemente Driller: [Signature] Driller: [Signature]

CLASSES OF TIME BREAKDOWN: TOTCO, FISHING, CIRCULATING, CONDITIONING MUD, TRIPPING, CORING, CASING, W.O.G, D.S. TESTING, LOGGING, W.O. ORDERS, RIG REPAIRS, RIG MAINT, MISCELL, CONDIT, ANCE, JS, OLE, REAMING, CLEANING, WORKING PIPE, LOST CIRC, DID YOU CHECK PREVENTER EQUIPMENT YES NO

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

IMPERIAL OIL LIMITED

IOE Blow River E47 Lsd. Sec. Twn. Rge. W. Contractor IOE R.G.3 Month 8 Day 12

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

Table with columns for From, To, Hole Made, Bit Size, Formation, etc. for three tours. Includes data for stands, singles, kelly, drill collar, and core bit feet.

Table with columns for Drill Number, OD, ID, Length, Indicator, Weight of Total, etc. for three tours.

Table with columns for No., Type, Time On Bit, Footage, WOB, RPM, Depth Pulled, Total Footage, etc. for three tours.

Table with columns for HOURS, Pump Press, Length of Pump Stroke, Strokes Per Min., Liner Size, etc. for three tours.

Table with columns for Time, Visc., Wt., W L, pH, ADDITIVES - POUNDS, etc. for three tours.

Table with columns for Core No., Depth In, Footage, Hours Run, Depth Out, Recovery, etc. for three tours.

Table with columns for FRIDGE TEMP, From, To, Hrs., etc. for three tours.

FLUID HEAD... GLOW OUT... HEAD JOINTS... (Handwritten notes and observations)

Driller: [Signature]

Table with columns for CLASSES OF TIME BREAKDOWN: TOTCO, FISHING, CIRCULATING, etc.

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

IMPERIAL OIL LIMITED

IDE. BLOW RIVER Lsd. E47 Sec. Tw. Contractor IDE. RIG 3 Month 8 Day 11

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

Table with columns for From, To, Hole Made, Bit Size, Formation, Stands, Singles, Kelly, Drill Collar Ft., Core Bbl. Ft., Size-D.P., Stands, Singles, Kelly, Drill Collar Ft., Core Bbl. Ft., Size-D.P., Stands, Singles, Kelly, Drill Collar Ft., Core Bbl. Ft.

Table with columns for Serial No., Jet, Conventional, Bit Serial No., Nozzle Size, Bit Wear, T, B, G

Table with columns for HOURS, Pump Press, Length of Pump Stroke, Strokes Per Min., Liner Size, On Line, Circulating

Table with columns for Visc., Wt., W L, pH, ADDITIVES - POUNDS, Time, Visc., Wt., W L, pH, ADDITIVES - POUNDS

Table with columns for Core No., Depth In, Footage, Hours Run, Depth Out, Recovery, Core No., Depth In, Footage, Hours Run, Depth Out, Recovery

Table with columns for From, To, Hrs., DRILLING, From, To, Hrs., DRILLING, From, To, Hrs., DRILLING

Driller: [Signature]

Table with columns for DRG. OUT, CLASSES OF TIME BREAKDOWN, LOGGING, RIG MAINTENANCE, REAMING/CLEANING, DID YOU CHECK PREVENTER EQUIPMENT

Total Contract Time, Total Company Time, Toolpusher, Approved by

(200 bks.-5-68)

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 14

10E BLDW RIVER Lsd. E 4.7 Sec. Tw. Rge. W Contractor 10E.R.G.J. Month 9 Day 9

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation
7465	14	12 1/4	2 1/4	2 BEAM 1255 2 STAB 1427	7465	7551	7642	11	2 1/4	2 BEAM 1255 2 STAB 1427	7551	7642	11	2 1/4

Stand	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stand	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stand	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
69	1	24	921.96	0.8508 210 JARS 722	4 1/2	70	1	3	321.46	0.8508 210 JARS 722	4 1/2	71	1	34	121.16	0.8508 210 JARS 722

DRILL Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL
26	11 9/16	3 3/8	382.4	165.74	26	11 9/16	3 3/8	382.4	165.74	26	11 9/16	3 3/8	382.4	165.74

Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed	No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed
5882 1/2	14	54	54		14			39	5882 1/2	14	54	54		14		

Serial No.	Jet	Conventional	Bit Serial No.	Jet	Conventional	Bit Serial No.	Jet	Conventional
280638	<input checked="" type="checkbox"/>	<input type="checkbox"/>	280638	<input checked="" type="checkbox"/>	<input type="checkbox"/>	82038	<input checked="" type="checkbox"/>	<input type="checkbox"/>

HOURLS	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURLS	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURLS	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
2 1/2	1750	3	185	6	2 1/2	1750	3	185	6	2 1/2	1750	3	185	6

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
43	1.2			7.5		8:40	1.0										

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery

From	To	Hrs.	From	To	Hrs.	From	To	Hrs.
BREAK DOWN TESTER	12	1	DRILLING	12	5	DRILLING	12	5
BY DOWN 4 3/4 D.C.	1	1:30	DRILLING	12	5	DRILLING	12	5
CHANGE CENT. ON DC.	1:30	3:15	DRILLING	12	5	DRILLING	12	5
RUN IN-REMOVED	3:15	3:15						
CASING PROTECTORS								
FILL PIPE WORK TO BOT	5:30	2 1/2						
DRILLING	5:30	2 1/2						

Driller: [Signature] Driller: [Signature] Driller: [Signature]

DRLG. OUT:	CLASSES OF TIME BREAKDOWN	CASING: W.O.C. D.S. TESTING:	LOGGING: W.O. ORDERS: RIG REPAIRS:	RIG MAINT: MISCELLAN. CONDITION	CE: REAMING: CLEANING: WORKING PIPE: LOST CIRC.	RIS VOLT CHECK: PREVENTER EQUIP. MEN
	FISHING: TRIPPING: CORING:					YES NO

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

(200 bks. 5-68)

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. **93**

10E. BLOW RIVER Lsd **E47** Sec. Twm. Rge. W. Contractor **10E. RIG 3** Month **8** Day **8**

1st Tour From: **12:00** Mic right To: **8:00** a.m. 2nd Tour From: **8:00** a.m. To: **4:00** p.m. 3rd Tour From: **4:00** p.m. To: **12:00** p.m.

From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation

Stand	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Stand	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Stand	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.

Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	

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

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

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

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

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery

From	To	Hrs.	From	To	Hrs.	From	To	Hrs.

CIRC 12 1 1
PULL OUT (MEASURED) 4 3
SET 9"411" DC. BACK 4 5:15 1 1/4
PICK UP TEST TOOLS 5:15 8 2 3/4
 8

Driller: **W. M. Clark** Driller: **C. Hernandez** Driller: **Paul Rowe**

CLASSES OF TIME BREAKDOWN
 DRG. OUT: TOTCO: CONDITIONING MUD: CASING: LOGGING: RIG MAINTENANCE: REAMING CLEANING: W.O. ORDERS: MISCELLANEOUS: WORKING PIPE: SID YOU CHECK PREVENTER EQUIPMENT: FISHING: CIRCUATING: CORING: D.S. TESTING: RIG REPAIRS: CONDITION HOLE: LOST CIRC: YES NO

Total Contract Time hrs. Total Company Time hrs. Toolpusher **W. M. Clark** Approved by **Paul Rowe**

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No.

LOC. River... Lsd... Sec... Twn... Rte... W... Contractor... Month... Day 7

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

Table with columns for Stands, Singles, Kelly, Drill Collar Ft., Core Bbl. Ft., Size-D.P., Stands, Singles, Kelly, Drill Collar Ft., Core Bbl. Ft., Size-D.P., Stands, Singles, Kelly, Drill Collar Ft., Core Bbl. Ft. Includes handwritten data for 1st, 2nd, and 3rd tours.

Table with columns for Serial No., Jet, Conventional, Bit Serial No., Nozzle Size, Bit Wear, Depth, Deviation. Includes handwritten entries like ECT019 and JZ771.

Table with columns for HOURS, Pump Press, Length of Pump Stroke, Strokes Per Min., Liner Size. Includes handwritten data for 1st, 2nd, and 3rd tours.

Table with columns for Visc., Wt., W L, pH, ADDITIVES - POUNDS. Includes handwritten data for 1st, 2nd, and 3rd tours.

Table with columns for Core No., Depth In, Footage, Hours Run, Depth Out, Recovery. Includes handwritten data for 1st, 2nd, and 3rd tours.

Table with columns for BOP, DRILL, DOWNSHOCK SUB, RECOVER TOTCO, PICK UP CORE BBL, RUN DC IN, CUT LINE, R.N IN, CIRC. DROP BALL, CORING. Includes handwritten descriptions and times.

Driller: [Handwritten Name]

Table with columns for CLASSES OF TIME BREAKDOWN, DRLG. OUT, CASING, LOGGING, RIG MAINTENANCE, REAMING/CLEANING, DID YOU CHECK E PREVENTER EQUIPMENT. Includes handwritten entries.

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

IMPERIAL OIL LIMITED

106. BLADW RIVER E47

Lsd. Sec. Twn. Rje. W

Contractor RIG 3. LGE. Month 8 Day 6

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

Table with columns: From, To, Hole Made, Bit Size, Formation, etc. for each tour.

Table with columns: D.P., Stands, Singles, Kelly, Drill, Collar Ft., Core Bbl. Ft., etc.

Table with columns: DRILL Number, OD, ID, Length, INDICATOR WEIGHT OF TOTAL, etc.

Table with columns: Serial No., Jet, Conventional, Nozzle Size, Bit Wear, etc.

Table with columns: HOURS, Pump Press, Length of Pump Stroke, Strokes Per Min., Liner Size, etc.

Table with columns: Time, Visc., Wt., W L, pH, ADDITIVES - POUNDS, etc.

Table with columns: Core No., Depth In, Footage, Hours Run, Depth Out, Recovery, etc.

Table with columns: From, To, Hrs., Activity (DRILLING, SURVEY, etc.), etc.

Driller: [Signature]

Table with columns: DRG. OUT, CLASSES OF TIME BREAKDOWN, etc.

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

(200 bks - 5-68)

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 70

IOE Blow Hole 247 Lsd Sec Twg Rge W Contractor Niles 15 June Month June Day 15

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m To: 4:00 p.m. 3rd Tour From: 4:00 p.m To: 12:00 p.m.

From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation									
7127	7127	9	8 3/4	DRILL 820	7143	7143	16	2 3/8	SHOCK	7172	7172	29	2 1/4	SHOCK									
Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.									
65	1	29	921.96	3852	65	1	13	921.96	3852	66	1	20	121.16	3852									
Drill. Number	OD	ID	Length	INDICATOR WEIGHT	TOTAL	Drill. Number	OD	ID	Length	INDICATOR WEIGHT	TOTAL	Drill. Number	OD	ID	Length	INDICATOR WEIGHT	TOTAL						
2	9	3	38.24	165.98	202	2	9	3	38.24	165.98	202	2	9	3	38.24	165.98	202						
Collar	Number	OD	ID	Length	INDICATOR WEIGHT	TOTAL	Collar	Number	OD	ID	Length	INDICATOR WEIGHT	TOTAL	Collar	Number	OD	ID	Length	INDICATOR WEIGHT	TOTAL			
24	24	2 3/4	2 3/4	717.78	202	24	24	2 3/4	2 3/4	717.78	202	24	24	2 3/4	2 3/4	717.78	202	24	24	2 3/4	2 3/4	717.78	202
Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed
DIA	2 3/4	9	18	80	9	9		DIA	2 3/4	16	20	80	7143	25		DIA	2 3/4	29	98	60	22	22	

Serial No. EC 7031	Jet <input type="checkbox"/> Conventional <input type="checkbox"/>	Bit Serial No. EC7021	Jet <input type="checkbox"/> Conventional <input type="checkbox"/>	Bit Serial No. 27-484	Jet <input checked="" type="checkbox"/> Conventional <input type="checkbox"/>
Nozzle Size	Bit Wear: T B G	Nozzle Size	Bit Wear: T B G	Nozzle Size 2-1/4	Bit Wear: T B

Hours	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
On Line	1400	82	125	6
Circulating				

Time	Visc.	Wt.	W L	pH	ADDITIVES - POUNDS
7:15	41	12	16		
7:30	41	23			

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery
9	7118	9	2 3/4		
9	7143	22	5 1/4	7143	25

From	To	Hrs.	Description
12	1	1	PULL OUT
1	1 3/4	3/4	PICK UP CORE BBL
1 30	1 45	15	PER RIG CHECK BOP & RC
1 45	2 3	45	NEW IN
2	2 15	15	CIRC STOP BBL
2 15	2 24	9	CORING
2 24	2 32	8	CORING
2 32	2 35	3	RECOVERING
2 35	2 40	5	HYDRIL

Driller: [Signature] Driller: [Signature] Driller: Paul Rowe

CLASSES OF TIME BREAKDOWN	CONDITIONING MUD:	CASING:	LOGGING:	RIG MAIN:	LANE:	REAMING CLEANING:
TOTCO:	TRIPPING:	W.O.C:	W.O. ORDERS:	MISCELLAN:	D:	WORKING TIME:
FISHING:	CORING:	D.S. TESTING:	RIG REPAIRS:	CONDITION:	OLE:	LOST CIRC:
CIRCULATING:						

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

DID YOU CHECK PREVENTER EQUIPMENT? YES [] NO []

(200 bks.-6-65)

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 89

1.02 BLOW RIVER E47 Lsd Sec Tw n Rge W Contractor NAT 3 Month 11 Day 4

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation			
6941	7041	110	12 1/4	2 1/2" DIA S.S. 2" 55'	6941	7041	107	10 1/4	2 1/2" DIA S.S. 2" 55'	7041	7118	74	12 1/4	2 1/2" DIA S.S. 2" 55'			
Stand	Singles	Kelly	Drill Collar Ft	Core Bbl Ft	Stand	Singles	Kelly	Drill Collar Ft	Core Bbl Ft	Stand	Singles	Kelly	Drill Collar Ft	Core Bbl Ft			
63	2	25	921.96	2500 14.27	41	64	12	911.76	2500 14.27	42	60	1	4	921.76			
DRILL Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL			
2	11	3	38.24		2	11	3	38.24		2	11	3	38.24				
COLLAR	DRILLING STRING				COLLAR	DRILLING STRING				COLLAR	DRILLING STRING						
24	6 3/4 2847.78 1.94				24	6 3/4 2847.78 1.94				24	6 3/4 2847.78 1.94						
No.	Type	Time On Bit	Footage	WOB	PPM	Depth Pulled	Total Footage Drilled	Revised	No.	Type	Time On Bit	Footage	WOB	PPM	Depth Pulled	Total Footage Drilled	Revised
475	16	10	48	10		234	20		57	45	2847.78	48	15	2800	20	6042.18	93

Serial No.	Jet	Conventional	Bit Serial No.	Jet	Conventional	Bit Serial No.	Jet	Conventional						
6200	<input checked="" type="checkbox"/>	<input type="checkbox"/>	ED012	<input checked="" type="checkbox"/>	<input type="checkbox"/>	ED012	<input checked="" type="checkbox"/>	<input type="checkbox"/>						
Nozzle Size	2-14 1-16		Bit Wear	T B G		Nozzle Size	2-14 1-16		Bit Wear	T B G				
Depth	6226-6228		Deviation	1 1/4 - 1 1/2		Depth	7007		Deviation	1 1/2				
HOURS	Pump Press	Length of Pump Stroke	Strikes Per Min	Liner Size	HOURS	Pump Press	Length of Pump Stroke	Strikes Per Min	Liner Size	HOURS	Pump Press	Length of Pump Stroke	Strikes Per Min	Liner Size
7	1750	872	150	6	714	2500	800	180	5	3000	870	150	5	

Time	Visc.	Wt	W L	pH	ADDITIVES - POUNDS	Time	Visc.	Wt	W L	pH	ADDITIVES - POUNDS	Time	Visc.	Wt	W L	pH	ADDITIVES - POUNDS
10:43	4.24	10	10	8.5	100	11:00	4.24	10	10	8.5	100	11:00	4.24	10	10	8.5	100
11:42	4.22	10	10	8.5	100	12:00	4.22	10	10	8.5	100	12:00	4.22	10	10	8.5	100
12:40	4.2	10	10	8.5	100	1:00	4.2	10	10	8.5	100	1:00	4.2	10	10	8.5	100
1:40	4.2	10	10	8.5	100	2:00	4.2	10	10	8.5	100	2:00	4.2	10	10	8.5	100

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery

From	To	Hrs	From	To	Hrs	From	To	Hrs
12:00	12:15	1/4	8:15	8:30	1/4	5:15	5:30	1/4
12:15	12:30	1/4	8:30	8:45	1/4	5:30	5:45	1/4
12:30	12:45	1/4	8:45	9:00	1/4	5:45	6:00	1/4
12:45	1:00	1/4	9:00	9:15	1/4	6:00	6:15	1/4
1:00	1:15	1/4	9:15	9:30	1/4	6:15	6:30	1/4
1:15	1:30	1/4	9:30	9:45	1/4	6:30	6:45	1/4
1:30	1:45	1/4	9:45	10:00	1/4	6:45	7:00	1/4
1:45	2:00	1/4	10:00	10:15	1/4	7:00	7:15	1/4
2:00	2:15	1/4	10:15	10:30	1/4	7:15	7:30	1/4
2:15	2:30	1/4	10:30	10:45	1/4	7:30	7:45	1/4
2:30	2:45	1/4	10:45	11:00	1/4	7:45	8:00	1/4
2:45	3:00	1/4	11:00	11:15	1/4	8:00	8:15	1/4
3:00	3:15	1/4	11:15	11:30	1/4	8:15	8:30	1/4
3:15	3:30	1/4	11:30	11:45	1/4	8:30	8:45	1/4
3:30	3:45	1/4	11:45	12:00	1/4	8:45	9:00	1/4
3:45	4:00	1/4	12:00	12:15	1/4	9:00	9:15	1/4
4:00	4:15	1/4	12:15	12:30	1/4	9:15	9:30	1/4
4:15	4:30	1/4	12:30	12:45	1/4	9:30	9:45	1/4
4:30	4:45	1/4	12:45	1:00	1/4	9:45	10:00	1/4
4:45	5:00	1/4	1:00	1:15	1/4	10:00	10:15	1/4
5:00	5:15	1/4	1:15	1:30	1/4	10:15	10:30	1/4
5:15	5:30	1/4	1:30	1:45	1/4	10:30	10:45	1/4
5:30	5:45	1/4	1:45	2:00	1/4	10:45	11:00	1/4
5:45	6:00	1/4	2:00	2:15	1/4	11:00	11:15	1/4
6:00	6:15	1/4	2:15	2:30	1/4	11:15	11:30	1/4
6:15	6:30	1/4	2:30	2:45	1/4	11:30	11:45	1/4
6:30	6:45	1/4	2:45	3:00	1/4	11:45	12:00	1/4
6:45	7:00	1/4	3:00	3:15	1/4	12:00	12:15	1/4
7:00	7:15	1/4	3:15	3:30	1/4	12:15	12:30	1/4
7:15	7:30	1/4	3:30	3:45	1/4	12:30	12:45	1/4
7:30	7:45	1/4	3:45	4:00	1/4	12:45	1:00	1/4
7:45	8:00	1/4	4:00	4:15	1/4	1:00	1:15	1/4
8:00	8:15	1/4	4:15	4:30	1/4	1:15	1:30	1/4
8:15	8:30	1/4	4:30	4:45	1/4	1:30	1:45	1/4
8:30	8:45	1/4	4:45	5:00	1/4	1:45	2:00	1/4
8:45	9:00	1/4	5:00	5:15	1/4	2:00	2:15	1/4
9:00	9:15	1/4	5:15	5:30	1/4	2:15	2:30	1/4
9:15	9:30	1/4	5:30	5:45	1/4	2:30	2:45	1/4
9:30	9:45	1/4	5:45	6:00	1/4	2:45	3:00	1/4
9:45	10:00	1/4	6:00	6:15	1/4	3:00	3:15	1/4
10:00	10:15	1/4	6:15	6:30	1/4	3:15	3:30	1/4
10:15	10:30	1/4	6:30	6:45	1/4	3:30	3:45	1/4
10:30	10:45	1/4	6:45	7:00	1/4	3:45	4:00	1/4
10:45	11:00	1/4	7:00	7:15	1/4	4:00	4:15	1/4
11:00	11:15	1/4	7:15	7:30	1/4	4:15	4:30	1/4
11:15	11:30	1/4	7:30	7:45	1/4	4:30	4:45	1/4
11:30	11:45	1/4	7:45	8:00	1/4	4:45	5:00	1/4
11:45	12:00	1/4	8:00	8:15	1/4	5:00	5:15	1/4
12:00	12:15	1/4	8:15	8:30	1/4	5:15	5:30	1/4
12:15	12:30	1/4	8:30	8:45	1/4	5:30	5:45	1/4
12:30	12:45	1/4	8:45	9:00	1/4	5:45	6:00	1/4
12:45	1:00	1/4	9:00	9:15	1/4	6:00	6:15	1/4
1:00	1:15	1/4	9:15	9:30	1/4	6:15	6:30	1/4
1:15	1:30	1/4	9:30	9:45	1/4	6:30	6:45	1/4
1:30	1:45	1/4	9:45	10:00	1/4	6:45	7:00	1/4
1:45	2:00	1/4	10:00	10:15	1/4	7:00	7:15	1/4
2:00	2:15	1/4	10:15	10:30	1/4	7:15	7:30	1/4
2:15	2:30	1/4	10:30	10:45	1/4	7:30	7:45	1/4
2:30	2:45	1/4	10:45	11:00	1/4	7:45	8:00	1/4
2:45	3:00	1/4	11:00	11:15	1/4	8:00	8:15	1/4
3:00	3:15	1/4	11:15	11:30	1/4	8:15	8:30	1/4
3:15	3:30	1/4	11:30	11:45	1/4	8:30	8:45	1/4
3:30	3:45	1/4	11:45	12:00	1/4	8:45	9:00	1/4
3:45	4:00	1/4	12:00	12:15	1/4	9:00	9:15	1/4
4:00	4:15	1/4	12:15	12:30	1/4	9:15	9:30	1/4
4:15	4:30	1/4	12:30	12:45	1/4	9:30	9:45	1/4
4:30	4:45	1/4	12:45	1:00	1/4	9:45	10:00	1/4
4:45	5:00	1/4	1:00	1:15	1/4	10:00	10:15	1/4
5:00	5:15	1/4	1:15	1:30	1/4	10:15	10:30	1/4
5:15	5:30	1/4	1:30	1:45	1/4	10:30	10:45	1/4
5:30	5:45	1/4	1:45	2:00	1/4	10:45	11:00	1/4
5:45	6:00	1/4	2:00	2:15	1/4	11:00	11:15	1/4
6:00	6:15	1/4	2:15	2:30	1/4	11:15	11:30	1/4
6:15	6:30	1/4	2:30	2:45	1/4	11:30	11:45	1/4
6:30	6:45	1/4	2:45	3:00	1/4	11:45	12:00	1/4
6:45	7:00	1/4	3:00	3:15	1/4	12:00	12:15	1/4
7:00	7:15	1/4	3:15	3:30	1/4	12:15	12:30	1/4
7:15	7:30	1/4	3:30	3:45	1/4	12:30	12:45	1/4
7:30	7:45	1/4	3:45	4:00	1/4	12:45	1:00	1/4
7:45	8:00	1/4	4:00	4:15	1/4	1:00	1:15	1/4
8:00	8:15	1/4	4:15	4:30	1/4	1:15	1:30	1/4
8:15	8:30	1/4	4:30	4:45	1/4	1:30	1:45	1/4
8:30	8:45	1/4	4:45	5:00	1/4	1:45	2:00	1/4
8:45	9:00	1/4	5:00	5:15	1/4	2:00	2:15	1/4
9:00	9:15	1/4	5:15	5:30	1/4	2:15	2:30	1/4
9:15	9:30	1/4	5:30	5:45	1/4	2:30	2:45	1/4
9:30	9:45	1/4	5:45	6:00	1/4	2:45	3:00	1/4
9:45	10:00	1/4	6:00	6:15	1/4	3:00	3:15	1/4
10:00	10:15	1/4	6:15	6:30	1/4	3:15	3:30	1/4
10:15	10:30	1/4	6:30	6:45	1/4	3:30	3:45	1/4
10:30	10:45	1/4	6:45	7:00	1/4	3:45	4:00	1/4
10:45								

300 bks.-6-65)

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 112

Lsd. Sec. Tw. Rge. W Contractor Month Day

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

1st Tour										2nd Tour										3rd Tour																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
From	To	Bit Size	Formation	From	To	Bit Size	Formation	From	To	Bit Size	Formation	From	To	Bit Size	Formation	From	To	Bit Size	Formation	From	To	Bit Size	Formation	From	To	Bit Size	Formation																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
6687	6712	30	12 1/4	6712	6831	119	12 1/4	6831	6950	119	12 1/4	6950	7069	119	12 1/4	7069	7188	119	12 1/4	7188	7307	119	12 1/4	7307	7426	119	12 1/4	7426	7545	119	12 1/4	7545	7664	119	12 1/4	7664	7783	119	12 1/4	7783	7902	119	12 1/4	7902	8021	119	12 1/4	8021	8140	119	12 1/4	8140	8259	119	12 1/4	8259	8378	119	12 1/4	8378	8497	119	12 1/4	8497	8616	119	12 1/4	8616	8735	119	12 1/4	8735	8854	119	12 1/4	8854	8973	119	12 1/4	8973	9092	119	12 1/4	9092	9211	119	12 1/4	9211	9330	119	12 1/4	9330	9449	119	12 1/4	9449	9568	119	12 1/4	9568	9687	119	12 1/4	9687	9806	119	12 1/4	9806	9925	119	12 1/4	9925	10044	119	12 1/4	10044	10163	119	12 1/4	10163	10282	119	12 1/4	10282	10401	119	12 1/4	10401	10520	119	12 1/4	10520	10639	119	12 1/4	10639	10758	119	12 1/4	10758	10877	119	12 1/4	10877	10996	119	12 1/4	10996	11115	119	12 1/4	11115	11234	119	12 1/4	11234	11353	119	12 1/4	11353	11472	119	12 1/4	11472	11591	119	12 1/4	11591	11710	119	12 1/4	11710	11829	119	12 1/4	11829	11948	119	12 1/4	11948	12067	119	12 1/4	12067	12186	119	12 1/4	12186	12305	119	12 1/4	12305	12424	119	12 1/4	12424	12543	119	12 1/4	12543	12662	119	12 1/4	12662	12781	119	12 1/4	12781	12900	119	12 1/4	12900	13019	119	12 1/4	13019	13138	119	12 1/4	13138	13257	119	12 1/4	13257	13376	119	12 1/4	13376	13495	119	12 1/4	13495	13614	119	12 1/4	13614	13733	119	12 1/4	13733	13852	119	12 1/4	13852	13971	119	12 1/4	13971	14090	119	12 1/4	14090	14209	119	12 1/4	14209	14328	119	12 1/4	14328	14447	119	12 1/4	14447	14566	119	12 1/4	14566	14685	119	12 1/4	14685	14804	119	12 1/4	14804	14923	119	12 1/4	14923	15042	119	12 1/4	15042	15161	119	12 1/4	15161	15280	119	12 1/4	15280	15399	119	12 1/4	15399	15518	119	12 1/4	15518	15637	119	12 1/4	15637	15756	119	12 1/4	15756	15875	119	12 1/4	15875	15994	119	12 1/4	15994	16113	119	12 1/4	16113	16232	119	12 1/4	16232	16351	119	12 1/4	16351	16470	119	12 1/4	16470	16589	119	12 1/4	16589	16708	119	12 1/4	16708	16827	119	12 1/4	16827	16946	119	12 1/4	16946	17065	119	12 1/4	17065	17184	119	12 1/4	17184	17303	119	12 1/4	17303	17422	119	12 1/4	17422	17541	119	12 1/4	17541	17660	119	12 1/4	17660	17779	119	12 1/4	17779	17898	119	12 1/4	17898	18017	119	12 1/4	18017	18136	119	12 1/4	18136	18255	119	12 1/4	18255	18374	119	12 1/4	18374	18493	119	12 1/4	18493	18612	119	12 1/4	18612	18731	119	12 1/4	18731	18850	119	12 1/4	18850	18969	119	12 1/4	18969	19088	119	12 1/4	19088	19207	119	12 1/4	19207	19326	119	12 1/4	19326	19445	119	12 1/4	19445	19564	119	12 1/4	19564	19683	119	12 1/4	19683	19802	119	12 1/4	19802	19921	119	12 1/4	19921	20040	119	12 1/4	20040	20159	119	12 1/4	20159	20278	119	12 1/4	20278	20397	119	12 1/4	20397	20516	119	12 1/4	20516	20635	119	12 1/4	20635	20754	119	12 1/4	20754	20873	119	12 1/4	20873	20992	119	12 1/4	20992	21111	119	12 1/4	21111	21230	119	12 1/4	21230	21349	119	12 1/4	21349	21468	119	12 1/4	21468	21587	119	12 1/4	21587	21706	119	12 1/4	21706	21825	119	12 1/4	21825	21944	119	12 1/4	21944	22063	119	12 1/4	22063	22182	119	12 1/4	22182	22301	119	12 1/4	22301	22420	119	12 1/4	22420	22539	119	12 1/4	22539	22658	119	12 1/4	22658	22777	119	12 1/4	22777	22896	119	12 1/4	22896	23015	119	12 1/4	23015	23134	119	12 1/4	23134	23253	119	12 1/4	23253	23372	119	12 1/4	23372	23491	119	12 1/4	23491	23610	119	12 1/4	23610	23729	119	12 1/4	23729	23848	119	12 1/4	23848	23967	119	12 1/4	23967	24086	119	12 1/4	24086	24205	119	12 1/4	24205	24324	119	12 1/4	24324	24443	119	12 1/4	24443	24562	119	12 1/4	24562	24681	119	12 1/4	24681	24800	119	12 1/4	24800	24919	119	12 1/4	24919	25038	119	12 1/4	25038	25157	119	12 1/4	25157	25276	119	12 1/4	25276	25395	119	12 1/4	25395	25514	119	12 1/4	25514	25633	119	12 1/4	25633	25752	119	12 1/4	25752	25871	119	12 1/4	25871	25990	119	12 1/4	25990	26109	119	12 1/4	26109	26228	119	12 1/4	26228	26347	119	12 1/4	26347	26466	119	12 1/4	26466	26585	119	12 1/4	26585	26704	119	12 1/4	26704	26823	119	12 1/4	26823	26942	119	12 1/4	26942	27061	119	12 1/4	27061	27180	119	12 1/4	27180	27299	119	12 1/4	27299	27418	119	12 1/4	27418	27537	119	12 1/4	27537	27656	119	12 1/4	27656	27775	119	12 1/4	27775	27894	119	12 1/4	27894	28013	119	12 1/4	28013	28132	119	12 1/4	28132	28251	119	12 1/4	28251	28370	119	12 1/4	28370	28489	119	12 1/4	28489	28608	119	12 1/4	28608	28727	119	12 1/4	28727	28846	119	12 1/4	28846	28965	119	12 1/4	28965	29084	119	12 1/4	29084	29203	119	12 1/4	29203	29322	119	12 1/4	29322	29441	119	12 1/4	29441	29560	119	12 1/4	29560	29679	119	12 1/4	29679	29798	119	12 1/4	29798	29917	119	12 1/4	29917	30036	119	12 1/4	30036	30155	119	12 1/4	30155	30274	119	12 1/4	30274	30393	119	12 1/4	30393	30512	119	12 1/4	30512	30631	119	12 1/4	30631	30750	119	12 1/4	30750	30869	119	12 1/4	30869	30988	119	12 1/4	30988	31107	119	12 1/4	31107	31226	119	12 1/4	31226	31345	119	12 1/4	31345	31464	119	12 1/4	31464	31583	119	12 1/4	31583	31702	119	12 1/4	31702	31821	119	12 1/4	31821	31940	119	12 1/4	31940	32059	119	12 1/4	32059	32178	119	12 1/4	32178	32297	119	12 1/4	32297	32416	119	12 1/4	32416	32535	119	12 1/4	32535	32654	119	12 1/4	32654	32773	119	12 1/4	32773	32892	119	12 1/4	32892	33011	119	12 1/4	33011	33130	119	12 1/4	33130	33249	119	12 1/4	33249	33368	119	12 1/4	33368	33487	119	12 1/4	33487	33606	119	12 1/4	33606	33725	119	12 1/4	33725	33844	119	12 1/4	33844	33963	119	12 1/4	33963	34082	119	12 1/4	34082	34201	119	12 1/4	34201	34320	119	12 1/4	34320	34439	119	12 1/4	34439	34558	119	12 1/4	34558	34677	119	12 1/4	34677	34796	119	12 1/4	34796	34915	119	12 1/4	34915	35034	119	12 1/4	35034	35153	119	12 1/4	35153	35272	119	12 1/4	35272	35391	119	12 1/4	35391	35510	119	12 1/4	35510	35629	119	12 1/4	35629	35748	119	12 1/4	35748	35867	119	12 1/4	35867	35986	119	12 1/4	35986	36105	119	12 1/4	36105	36224	119	12 1/4	36224	36343	119	12 1/4	36343	36462	119	12 1/4	36462	36581	119	12 1/4	36581	36700	119	12 1/4	36700	36819	119	12 1/4	36819	36938	119	12 1/4	36938	37057	119	12 1/4	37057	37176	119	12 1/4	37176	37295	119	12 1/4	37295	37414	119	12 1/4	37414	37533	119	12 1/4	37533	37652	119	12 1/4	37652	37771	119	12 1/4	37771	37890	119	12 1/4	37890	38009	119	12 1/4	38009	38128	119	12 1/4	38128	38247	119	12 1/4	38247	38366	119	12 1/4	38366	38485	119	12 1/4	38485	38604	119	12 1/4	38604	38723	119	12 1/4	38723	38842	119	12 1/4	38842	38961	119	12 1/4	38961	39080	119	12 1/4	39080	39199	119	12 1/4	39199	39318	119	12 1/4	39318	39437	119	12 1/4	39437	39556	119	12 1/4	39556	39675	119	12 1/4	39675	39794	119	12 1/4	39794	39913	119	12 1/4	39913	40032	119	12 1/4	40032	40151	119	12 1/4	40151	40270	119	12 1/4	40270	40389	119	12 1/4	40389	40508	119	12 1/4	40508	40627	119	12 1/4	40627	40746	119	12 1/4	40746	40865	119	12 1/4	40865	40984	119	12 1/4	40984	41103	119	12 1/4	41103	41222	119	12 1/4	41222	41341	119	12 1/4	41341	41460	119	12 1/4	41460	41579	119	12 1/4	41579	41698	119	12 1/4	41698	41817	119	12 1/4	41817	41936	119	12 1/4	41936	42055	119	12 1/4	42055	42174	119	12 1/4	42174	42293	119	12 1/4	42293	42412	119	12 1/4	42412	42531	119	12 1/4	42531	42650	119	12 1/4	42650	42769	119	12 1/4	42769	42888	119	12 1/4</

(300 bks.-6-65)

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No 87

10 E. BLAINE RIVER E 47 Lsd Sec. Twn. ... E. ... W Contractor 1103 Month 1/66 Day 2

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation			
83	6657	74	12" 1/4	28' 1/2	6651	6658	1	32	12" 1/4	6658	6682	24	8	28' 1/2			
D.P.	Stands	Singles	Kelly	Drill Collar Ft.	Core Bbl Ft.	Size-D.P.	Stands	Singles	Kelly	Drill Collar Ft.	Core Bbl Ft.	Size-D.P.	Stands	Singles	Kelly	Drill Collar Ft.	Core Bbl Ft.
1/2	60	1	2	921.96	2.10	4 1/2	60	1	32	921.96	2.10	4 1/2	60	1	8	921.96	2.10
Drill Number	OD	ID	Length	INDICATOR	WEIGHT OF TOTAL	Drill Number	OD	ID	Length	INDICATOR	WEIGHT OF TOTAL	Drill Number	OD	ID	Length	INDICATOR	WEIGHT OF TOTAL
2	11	3	38.24			2	11	3	38.24			2	11	3	38.24		
Collar	2	9	3	125.94		Collar	2	9	3	125.94		Collar	2	9	3	125.94	
DATA	24	6 3/4	2 3/8	717.78	177m	DATA	24	6 3/4	2 3/8	717.78	177m	DATA	24	6 3/4	2 3/8	717.78	177m
No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed	No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed
4	5	64	74	47	33	72	6657	764	25	3	41	34	1	14	66		
8	6	61	74	2	180				28								

Serial No. ED 105 Jet Conventional Bit Serial No. EC 7018 Jet Conventional Bit Serial No. EC 7018 Jet Conventional

Nozzle Size 3-14 Bit Wear: T B G Nozzle Size 3-14 Bit Wear: T B G Nozzle Size 3-14 Bit Wear: T B G

Depth 6579 - 6657 Deviation 11° 105° Depth 6579 - 6657 Deviation 11° 105° Depth 6579 - 6657 Deviation 11° 105°

HOURS	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURS	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURS	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
12:00	1150	14	58	6"	12:00	1150	14	58	6"	12:00	1150	14	58	6"

Time	Visc.	Wt.	W L	pH	ADDITIVES - POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES - POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES - POUNDS
12:40	9.21	10	10	8.2	SPANTON-1000	12:40	9.21	10	10	8.2	SPANTON-1000	12:40	9.21	10	10	8.2	SPANTON-1000

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery
8	6657	25				8	6657	25				8	6657	25			

From	To	Hrs.	Description	From	To	Hrs.	Description
12:00	12:30	1/2	Check BOP	12:00	12:30	1/2	Check BOP
12:30	12:45	1/4	Finish trip in	12:30	12:45	1/4	Finish trip in
12:45	1:00	1/4	pick up collar pipe	12:45	1:00	1/4	pick up collar pipe
1:00	1:15	1/4	String Benton Chan. Seal	1:00	1:15	1/4	String Benton Chan. Seal
1:15	1:30	1/4	Rubber Benton Chan. Seal	1:15	1:30	1/4	Rubber Benton Chan. Seal
1:30	1:45	1/4	1 1/2" Debris 30' Rubber Chan. Seal	1:30	1:45	1/4	1 1/2" Debris 30' Rubber Chan. Seal
1:45	2:00	1/4	Change slip line	1:45	2:00	1/4	Change slip line
2:00	2:15	1/4	Finish trip in	2:00	2:15	1/4	Finish trip in
2:15	2:30	1/4	Circled BOP	2:15	2:30	1/4	Circled BOP
2:30	2:45	1/4	Running	2:30	2:45	1/4	Running

Driller: [Signature] Driller: [Signature] Driller: [Signature]

CLASSES OF TIME BREAKDOWN	CASING: W.O.C. D.S. TESTING	LOGGING: W.O. ORDERS. RIG REPAIRS	RIG MAIN: MISCELLANEOUS. CONDITIONING	REAMING CLEANING WORKING PIPE. LOST CIRC.	DID YOU CHECK PREVENTER EQUIPMENT?
TOTCO FISHING CIRCULATING: ...	CONDITIONING MUD. TRIPPING. CORING: ...	W.O. TESTING: ...	MISCELLANEOUS. CONDITIONING: ...	REAMING CLEANING WORKING PIPE. LOST CIRC.: ...	YES <input checked="" type="checkbox"/>

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

IMPERIAL OIL LIMITED

106 Brownwood 507

Lsd. Sec. Twn. W. Contractor 4-3

Month Aug Day 1

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

Table with columns: From, To, Hole Made, Bit Size, Formation, Size-D.P., Stands, Singles, Kelly, Drill, Collar Ft., Core Bbl. Ft., etc. for three tours.

Table with columns: DRILL Number, OD, ID, Length, INDICATOR WEIGHT OF TOTAL, COLLAR, DATA, etc.

Table with columns: No., Type, Time On Bit, Footage, WOB, RPM, Pulled, Drilled, Reamed, etc.

Table with columns: Bit Serial No., Jet, Conventional, Nozzle Size, Bit Wear, etc.

Table with columns: Depth, Deviation, HOURS, Pump Press, Length of Pump Stroke, Strokes Per Min., Liner Size, etc.

Table with columns: Time, Visc., Wt., W L, pH, ADDITIVES - POUNDS, etc.

Table with columns: Core No., Depth In, Footage, Hours Run, Depth Out, Recovery, etc.

Table with columns: From, To, Hrs., DRILLING, WORK PIPE, etc.

Table with columns: Driller, etc.

Table with columns: CLASSES OF TIME BREAKDOWN, & DRLG OUT, etc.

Table with columns: Total Contract Time, Total Company Time, Toolpusher, Approved by, etc.

1.0 = Brown Limestone 647 Lsd Sec Twn Rge W Contractor Month Day

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation
573	5761	8	12 1/4	2.65	5701	5821	120	12 1/4	2.63	5821	5928	107	12 1/4	2.63

D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl Ft.	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl Ft.	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl Ft.
1/2	50	1	18	921.96	7.70	4 1/2	51	2	23	921.96	7.70	4 1/2	52	2	10	941.96	7.70

LL Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL
2	11	3	38.24		2	11	3	38.24		2	11	3	38.24	

COLLAR	DATA	COLLAR	DATA	COLLAR	DATA
2	24	2	24	2	24

No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed	No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed
6	455	4	8	-	70	8	8	2	36	455	11	120	40	48	60	122	25

Bit Serial No.	Jet	Conventional	Bit Serial No.	Jet	Conventional	Bit Serial No.	Jet	Conventional
ED105	<input checked="" type="checkbox"/>	<input type="checkbox"/>	ED105	<input checked="" type="checkbox"/>	<input type="checkbox"/>	ED105	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Nozzle Size	Bit Wear	T	B	G	Nozzle Size	Bit Wear	T	B	G	Nozzle Size	Bit Wear	T	B	G
3-14					3-14					3-14				

Depth	Deviation	Depth	Deviation	Depth	Deviation
5690	12 1/2	5735	13	5826	3 1/2

HOURS	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURS	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURS	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
1	2050	9 1/2	180	6	2 1/2	2000	8 1/2	180	6	1				

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
10:38	1.1	9.3	10.5		KEL 1000	8:00	45	1.1	10		Powder 2.30	10:00	40	1.1	10		

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery
1	12 1/4	245	2 3/4	12 1/4		2	12 1/4	245	3	12 1/4		3	12 1/4	245	3	12 1/4	

From	To	Hrs.	From	To	Hrs.	From	To	Hrs.
12:00	2:45	2 3/4	8:00	10:35	2 3/4	4:00	5:15	1 15

DRILLING	12 1/4 hole	8:00	10:35	2 3/4	SH Den - 2.64	4	5
TOT = 0	5735 - 13"	10:35	11:15	40	DRILLING	5	5
DRILLING		11:15	4:20	4 3/4	TOT @ 5826	5	5

DRILLING					DRILLING		
TOT @ 5826	12 1/4	5	5	5	TOT @ 5826	12 1/4	5

DRILLING					DRILLING		
TOT @ 5826	12 1/4	5	5	5	TOT @ 5826	12 1/4	5

DRILLING					DRILLING		
TOT @ 5826	12 1/4	5	5	5	TOT @ 5826	12 1/4	5

DRILLING					DRILLING		
TOT @ 5826	12 1/4	5	5	5	TOT @ 5826	12 1/4	5

DRILLING					DRILLING		
TOT @ 5826	12 1/4	5	5	5	TOT @ 5826	12 1/4	5

DRILLING					DRILLING		
TOT @ 5826	12 1/4	5	5	5	TOT @ 5826	12 1/4	5

DRILLING					DRILLING		
TOT @ 5826	12 1/4	5	5	5	TOT @ 5826	12 1/4	5

DRILLING					DRILLING		
TOT @ 5826	12 1/4	5	5	5	TOT @ 5826	12 1/4	5

DRILLING					DRILLING		
TOT @ 5826	12 1/4	5	5	5	TOT @ 5826	12 1/4	5

DRILLING					DRILLING		
TOT @ 5826	12 1/4	5	5	5	TOT @ 5826	12 1/4	5

DRILLING					DRILLING		
TOT @ 5826	12 1/4	5	5	5	TOT @ 5826	12 1/4	5

DRILLING					DRILLING		
TOT @ 5826	12 1/4	5	5	5	TOT @ 5826	12 1/4	5

IMPERIAL OIL LIMITED

105 Brown River ENT

Lsd Sec. Tw. Rge W

Contractor Rio 3

Month July Day 29

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

Table with columns for Hole Made, Bit Size, Formation, Stands, Singles, Kelly, Drill Collar Ft., Core Bbl. Ft., Size-D.P., and various drilling parameters for three tours.

Serial No. 225078 - EC 3003 Jet Conventional Nozzle Size 3-14 Bit Wear: T 8 B 3 G 0 1/2

Table with columns for HOURS, Pump Press, Length of Pump Stroke, Strokes Per Min., and Liner Size.

Table with columns for Time, Visc., Wt., W L, pH, and ADDITIVES - POUNDS.

Table with columns for Core No., Depth In, Footage, Hours Run, Depth Out, and Recovery.

Table with columns for From, To, Hrs. and detailed log entries including 'CORING', 'SLUG PIPE TRIP', 'RECOVER CORE SERVICE', etc.

Driller: [Signature]

Table with columns for DRUG. OUT, CLASSES OF TIME BREAKDOWN, CASING, LOGGING, RIG MAINTENANCE, REAMING CLEANING, and PREVENTER EQUIPMENT.

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

IMPERIAL OIL LIMITED

I.O.E. BLOW RIVER E47

Lsd Sec Twn Rge W

Contractor IDE RIB 3

Month JULY 28 Day 28

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

Table with columns: From, To, Hole Made, Bit Size, Formation, etc. for three tours.

Table with columns: D.P., Stands, Singles, Kelly, Drill, Collar, Ft., Core, Bbl, Ft., etc.

Table with columns: No., Type, Time On Bit, Footage, WOB, RPM, Depth, Total Footage, etc.

Table with columns: Bit Serial No., Jet, Conventional, Nozzle Size, Bit Wear, etc.

Table with columns: HOURS, Pump Press, Length of Pump Stroke, Strokes Per Min., Liner Size, etc.

Table with columns: Time, Visc., Wt., W L, pH, ADDITIVES - POUNDS, etc.

Table with columns: Core No., Depth In, Footage, Hours Run, Depth Out, Recovery, etc.

Table with columns: DRILLING, SURVEY, TRIP OUT, etc. with handwritten notes.

Driller: Phil Rowe, Driller: De Bray, Driller: H. Mac Gowan

Table with columns: CLASSES OF TIME BREAKDOWN, CASING, LOGGING, RIG MAINT, REMAINING CLEANING, etc.

Total Contract Time, Total Company Time, Toolpusher, Approved by

(300 hks.-6-65)

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 81

BLOW RIVER E47

Lsd Sec Twn Rge W

Contractor 10E 9163

Month JULY Day 27

1st Tour From: 12:00 Midnight To: 8:00 a.m.										2nd Tour From: 8:00 a.m. To: 4:00 p.m.										3rd Tour From: 4:00 p.m. To: 12:00 p.m.									
From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation															
5364	87	17 1/4	2 REAMERS	FORMATION 12.53	5314	5430	166	12 1/4	DR. PIN SUB	5430	5614	84	12 1/4	DR. PIN SUB															
D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Cors. Bbl. Ft.	D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Cors. Bbl. Ft.	D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Cors. Bbl. Ft.												
2	46	2	6	921.96	1 STABS 14.77	4 1/2	47	1	2	921.96	2 STABS 14.77	4 1/2	48	1	13	921.96	2 STABS 14.77												
DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL												
2	6	11	9	3	38.24	2	4	9	3	38.24	2	4	9	3	38.24	2	4	9	3	38.24									
COLLAR	2	4	3	165.94	DRILLING STRING	COLLAR	2	4	3	165.94	DRILLING STRING	COLLAR	2	4	3	165.94	DRILLING STRING	COLLAR	2	4	3	165.94							
DATA	24	6 3/4	2 7/8	717.78	178	100 M	DATA	24	6 3/4	2 7/8	717.78	179	100 M	DATA	24	6 3/4	2 7/8	717.78	181 M	100 M									
Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled									
X55R	27 1/4	87	55-60	75-50		340	34	X55R	34 3/4	65	55	50-60		406	34	X55R	42 1/2	84	55	70-66		490							

Serial No. ZJ 771	Jet <input checked="" type="checkbox"/> Conventional <input type="checkbox"/>	Bit Serial No. ZJ-771	Jet <input checked="" type="checkbox"/> Conventional <input type="checkbox"/>	Bit Serial No. ZJ 771	Jet <input checked="" type="checkbox"/> Conventional <input type="checkbox"/>
Nozzle Size 1-13 2-14	Bit Wear: T B G	Nozzle Size 1-13 2-14	Bit Wear: T B G	Nozzle Size 1-13 2-14	Bit Wear: T B G

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
		1950	8 1/2	180	6	7 1/2		115				7 3/4		1950	8 1/2	180	

Time	Visc.	Wt.	W L	pH	ADDITIVES -- POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES -- POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES -- POUNDS
0:41	9.2			9.5	GEL-1000 1RS	2:30	2.5	1.2			3L 2.5	6:00	36	9.4			10.5 Dowcide 8-6
5:38	9.1			10.5	KEL-100 RP. 100	10:00	27	13.1			11.2	8:00	39	9.4			10.5 KEL 2.9N-50
0:40	9.1			10.5	ER 12.4N-34	12:30	32	7.1			2.2	10:00	38	9.4			10 CLR 1/LAM-34
0:38	9.1			10.5	CAUSTIC-100 1RS	2:00	31	9.1			1.25	11:00	36	9.4			10.5 GEL-600 2L
0:58	9.1			10.1	Dow-2-30LBS						2.0						CAUSTIC-50 1L-PLASTER-50

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery
DRILLING	TEMP	12°															

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

Drillers: Phil Rowe Driller: De Arroy Driller: H. D. ...

CLASSES OF TIME BREAKDOWN	TOTCO: DRILLING: CIRCULATING:	CONDITIONING MUD: TRIPPING: CORING:	CASING: W O C D.S. TESTING:	LOGGING: W O ORDERS: RIG REPAIRS:	RIG MAINTENANCE: MISCELLANEOUS: CONDITION:	REAMING: CLEANING: WORKING PIPE: LOST: LIRC:	DID YOU CHECK PREVENTIVE EQUIPMENT? YES
Total Contract Time	hrs.	Total Company Time	hrs.	Toolpusher	Approved by		

(300 bks.-6-65)

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 80

BLOW RIVER E47

Lsd Sec. Twn Rte W.

Contractor IDE RIG 3

Month 12 Day 26

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

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

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

From	To	Hole Made	Bit Size	Formation	Penetration
24	5056	32	12 1/4	DOUBLE PIN SUB	2.00
D.P.	Stands	Singles	Kelly	Drill Collar Ft.	Core Bbl. Ft.
2	43	2	33	921.96	2 STABS 14.77
DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL
2	6	11	3	38.24	DRILLING STRING DRILL COLLARS
COLLAR	6	9	3	165.74	DRILLING STRING DRILL COLLARS
DATA	24	6 3/4	2 7/8	717.78	175.44 100 M
Type	Time On Bit	Footage	WOB	RPM	Depth Pulled
X55R	4 1/2	32	55-60	68-75	32 24

From	To	Hole Made	Bit Size	Formation	Penetration
5056	5173	117	12 1/4	DOUBLE PIN SUB	2.00
D.P.	Stands	Singles	Kelly	Drill Collar Ft.	Core Bbl. Ft.
4 1/2	44	2	10	921.96	2 STABS 14.77
DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL
4	6	11	3	38.24	DRILLING STRING DRILL COLLARS
COLLAR	6	9	3	165.74	DRILLING STRING DRILL COLLARS
DATA	24	6 3/4	2 7/8	717.78	176 100 M
Type	Time On Bit	Footage	WOB	RPM	Depth Pulled
X55R	12 1/2	117	55	75	149

From	To	Hole Made	Bit Size	Formation	Penetration
5173	5277	104	12 1/4	DOUBLE PIN SUB	2 REAMS
D.P.	Stands	Singles	Kelly	Drill Collar Ft.	Core Bbl. Ft.
4 1/2	46		50	921.96	2 STABS 14.77
DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL
6	11	3	38.24	DRILLING STRING DRILL COLLARS	
COLLAR	6	9	3	165.74	DRILLING STRING DRILL COLLARS
DATA	24	6 3/4	2 7/8	717.78	177.00 100 M
Type	Time On Bit	Footage	WOB	RPM	Depth Pulled
X55R	15 1/2	104	55	75	253

Serial No. 21771 Jet Conventional

Bit Serial No. 21771 Jet Conventional

Bit Serial No. 21771 Jet Conventional

NOZZLE SIZE	1-13	2-14	BIT WEAR	T	B	G
DEPTH	Deviation					
HOURS	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size		
1 1/2	1950	8 1/2	180	6		

NOZZLE SIZE	1-13	2-14	BIT WEAR	T	B	G
DEPTH	Deviation					
HOURS	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size		
6 3/4	1900	8 1/2	180	6		

NOZZLE SIZE	1-13	2-14	BIT WEAR	T	B	G
DEPTH	Deviation					
HOURS	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size		
6 3/4	1900	8 1/2	180	6		

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
9:39	9.1	9.5	GEL	2.00	185
9:37	9.1	9.5	AUSTIN	50	185
			KELZAN	50	185
			PR. DUMP	17	185

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
9:39	38	72	2.4	GEL	2.00
10:00	38	72		AUSTIN	50
12:00	37	72		KELZAN	50
2:00	32	72		PR. DUMP	17

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
6:00	41	72		10.1 GEL	1500
7:00	40	9.2		10. KELZAN	1500
10	38	4.2		10.2 CHL Alum	51
				AUSTIN 50 lb	Downside-B-30
				PLASTER	150

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery
RIDGE TRAP 120					

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery

From	To	Hrs.
12:00		
1:00	1	
1:50	3:30	2 3/4
3:50	4:30	1
4:30	8:00	3 1/2
		8

From	To	Hrs.
8:00		

Check Kelly Cocks
 Drilling 12 1/4 Hole
 Service R. & T. Co.
 T.W. Run & missed pulling
 up survey BBL success
 on third run.

DRILLER: Phil Rowe

DRILLER: D. Gray

DRILLER: H. Man Jordan

CLASSES OF TIME BREAKDOWN
 DRG. OUT: TITCO, FISHING, CIRCULATING. CONDITIONING MUD, TRIPPING, CORING. CASING: W.O.C., D.S. TESTING. LOGGING: W.O. ORDERS, RIG REPAIRS. RIG MAINT: MISCELLAN. CONDITIO. STANCE: W.O. ST. REAMING CLEANING: WORKING PIPE, COST CIRC. DID YOU CHECK PREVENTER EQUIPMENT? YES NO

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

300 bks.-6-65)

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 79

BLow RIVER E 47

Lsd. Sec. Twn. Rge. W.

Contractor **RIG 3**

Month **JULY** Day **25**

1st Tour From: **12:00** Midnight To **8:00** a.m. 2nd Tour From: **8:00** a.m. To **4:00** p.m. 3rd Tour From: **4:00** p.m. To **12:00** p.m.

From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation
14	5000	86	12 1/4	2 INFRAMENTS	5000	5003	3	8 3/4	2 PLANNING	5003	5024	21	2 3/4	1 REATHER 4
				DOUBLE RUN SUB 2.00					2.00					2 3/4 SHOCK SUB 9.0
				SHOCK SUB 9.70					SHOCK SUB 19.70					2 STAB
				2 STABS 14.77					2 STAB 14.77					CORE 1

Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles
921.96	14.77	4 1/2	42	2	921.96	14.77	4 1/2	42	2	921.96	14.77	4 1/2	42	2

Drill. Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	Drill. Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	Drill. Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL
2	4	3	38.24	DRILLING STRING	2	4	3	38.24	DRILLING STRING	2	4	3	38.24	DRILLING STRING
24	6 3/4	2 1/8	717.78	175 M 100 M	24	6 3/4	2 1/8	717.78	175 M 100 M	24	6 3/4	2 1/8	717.78	175 M 100 M

Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed	No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed
X55R	38	86	55	68	5000	652		2	DIA 1 1/4	3	17	56				

Serial No.	Jet	Conventional	Bit Serial No.	Jet	Conventional	Bit Serial No.	Jet	Conventional
XW 717	<input checked="" type="checkbox"/>	<input type="checkbox"/>	E.C 7018	<input type="checkbox"/>	<input type="checkbox"/>	E.C 7018	<input type="checkbox"/>	<input type="checkbox"/>

Line	Hours	Pump Press	Length of Pump Stroke	Strokes Per Min.	Line Size	Line	Hours	Pump Press	Length of Pump Stroke	Strokes Per Min.	Line Size
2	17:50	8 1/2	180	6	6 1/2	4 1/2	8:50	8 1/2	110	110	6 1/2

Time	Visc.	Wt	W L	pH	ADDITIVES - POUNDS	Time	Visc.	Wt	W L	pH	ADDITIVES - POUNDS
38	9.1				9.5 GEL - 1000 LBS.	6:00	11.7				10. Dowdite B-25
39	9.1				2.5 KILZAN - 100 LBS	8:00	5.4				10. SPARTAN - 1000
38	7.1				10.0 PINSIR - 100 LBS						

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery
6	5000					6	5000	24	5 3/4	5024	2

Driller	From	To	Hrs.	Driller	From	To	Hrs.	Driller	From	To	Hrs.
Phil Rowe	12:00	6:00	6	De Gray	8:00	11:00	3	H. Man	4:00	12:00	8

CLASSES OF TIME BREAKDOWN	TO/CO.	CONDITIONING MUD:	CASING:	LOGGING:	RIG MAINTEN:	REAMING CLEANING:	NO YOU CHECK:
DRLG. OUT:	FISHING:	TRIPPING:	W O C:	W O ORDERS:	MISCELLANEOUS:	WORKING PIPE:	PREVENTER EQUIP:
CIRCULATING:	CORING:	CORING:	D S TESTING:	RIG REPAIRS:	CONDITION:	LOST CIRC:	YES NO

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

TRIP OUT, & MEASURE PIPE 8:00
 CHECK FOR FLOW 10 MIN 10:15 2/4
 SER RIG & BOP 10:30 1/4
 PICKING UP CORE BBL 10:45 1/2
 + SERVICING
 CUT DRILLING LINE 11:00 3/4
 TRIP IN TO CORE # 6 11:15 2 1/2
 CIRC BE FORE CORING 2:45 1/2
 CORING 2:55 1/4

CORING 4:00 2 3/4
 Slug pipe Trip out. Check 8:30 11:15
 FOR FLOW 10 MIN TOP OF CASING
 RECOVER CORE. SERVICE 11:15
 BBL. Lay down SPARTAN 12:00

100 bks.-6.651

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 78

06 BLOW RIVER E 47

Sec. Tw n Rje W

Contractor 1516 3 106 Month JULY Day 24

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation
4680	4680	144	12 1/4	CREAMIE HT 12.53 DOUBLE PIN SUR 2.00	4680	4800	120	12 1/4	of Preams 12.53 SUB. 2.00	4800	4914	114	12 1/4	502 2 REMARKS

Stand	Singles	Kelly	Drill. Collar Ft.	Core Bbl Ft.	Stand	Singles	Kelly	Drill. Collar Ft.	Core Bbl Ft.	Stand	Singles	Kelly	Drill. Collar Ft.	Core Bbl Ft.
39	1	3	721.96	157 ABS 14.77	4 1/2	40	2	7	921.96	4 1/2	42	-	18	921.96

Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL
2	11	3	38.24	DRILLING STRING	2	11	3	38.24	DRILLING STRING	2	11	3	38.24	DRILLING STRING
4	6 3/4	2 7/8	717.78	170 M	4	6 3/4	2 7/8	717.78	171 M	4	6 3/4	2 7/8	717.78	173 M

Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed	No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed
X55R	18 1/4	144	55	68		332		33	X55R	25 1/4	120	55	65		452	

Serial No.	Jet	Conventional	Bit Serial No.	Jet	Conventional	Bit Serial No.	Jet	Conventional
XW 717	<input checked="" type="checkbox"/>	<input type="checkbox"/>	XW-717	<input checked="" type="checkbox"/>	<input type="checkbox"/>	XW-212	<input checked="" type="checkbox"/>	<input type="checkbox"/>
1-13 2-14	T	B	1-13 2-14	T	B	1-13 2-14	T	B
	Deviation		4660	Deviation 8°		4885	Deviation 9°	

Line	Hours	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	On Line	Hours	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	On Line	Hours	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
4		1900	8 1/2	185	6	2			8 1/2	185	6	2		1900	8 1/2	185	6

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	
38	8.9			10.0	GEL - 1000 LBS.	8:30	4.3					6:00	38	9.7			10.0	GEL-500 LBS.
38	8.9			10.0	KELZAN - 150 LBS.	1:00	4.2	7.0				8:00	38	9.1			1.8	KELZAN-50 LBS.
38	8.9			10.5	CR 14MM - 34 LBS.	1:00	3.2	7.0	10.0		1200 LBS 10%	10:00	39	1.1			10	CR Alum-17 LBS.
45	9.0			10.0	CAUSTIC - 50 LBS.						34 LBS							CAUSTIC-50 LBS.
					NEW 8" 25 LBS.						Row B 1/2"							PLASTER-50 LBS.
																		Dowcide-B-25

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	
06E	TEMP	14°																

From	To	Hrs.	From	To	Hrs.	From	To	Hrs.
12:00	7:30	7 1/2	8:00	8:50	1/2	8:00	8:50	1/2
7:30	7:45	1/4	8:50	4:5	7 1/2			
7:45	8:00	1/4						

DRILLING 12 1/4 hole 4 3/4 10 3/8
 SURVEY - 4885 10 15 10 45
 DRILLING 10 25 12 40

Service Rig, Change Howls Valve # 39
 ON Triple pump, check pipe Pans. # 39
 DRILLING 12 1/4 hole 4 3/4 10 3/8
 SURVEY - 4885 10 15 10 45
 DRILLING 10 25 12 40

SH Den - 2.62

Driller: Phil Nave Driller: De... Driller: H. Mac...

CLASSES OF TIME BREAKDOWN
 TO/CO: FISHING: CIRCULATING: TRIPPING: CORING: CASING: W.O.C. D.S. TESTING: LOGGING: W.O. ORDERS: RIG REPAIRS: RIG MAINTENANCE: MISCELLANEOUS: CONCLUSION: REAMING/CLEANING: WORKING PIPE: LOST CIRC.
 Total Contract Timehrs. Total Company Timehrs. Toolpusher: [Signature] Approved by: [Signature]

(300 bks.-6-65)

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 77

I.O.E. BLOW RIVER E 47

Lsd. Sec. Twn. Gr. W

Contractor RIG 3 I.O.E. Month JULY Day 23

1st Tour From: **12:00** Midnight To: **8:00** a.m. 2nd Tour From: **8:00** a.m. To: **4:00** p.m. 3rd Tour From: **4:00** p.m. To: **12:00** p.m.

From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation			
73	4348	75	12 1/4	DBL DINGSUB REFRAMERS 12.53	2.00	4348	4392	44	12 1/4 (21) Reframers 12.53	4392	4536	144	12 1/4	Settable pipe			
D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
4 1/2	36	-	23	921-96	14.70	4 1/2	36	1	10	921-96	14.77	4 1/2	38	-	21	921-96	2 STANDS
DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL
2	6	11	3	37.24		2	6	11	3	37.24		2	6	11	3	37.24	
COLLAR	2	11	3	37.24		COLLAR	2	11	3	37.24		COLLAR	2	11	3	37.24	
DATA	24	6 3/4	2 7/8	717.78	165 M 100 M	DATA	24	6 3/4	2 7/8	717.78	165 M 100 M	DATA	24	6 3/4	2 7/8	717.78	165 M 100 M
No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed	No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed
33	XSSR	3 3/4	44	55	42		44		33	XSSR	10 3/4	144	55	68		188	

Serial No. 224494 Jet Conventional
 Nozzle Size 2-13 1-14 Bit Wear: T 8 B 6 G 0
 Bit Serial No. XW 717 Jet Conventional
 Nozzle Size 1-12 3-14 Bit Wear: T B G

Line	Hours	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
4343		1925	8 1/2	183	6
4		1720	8 1/2	185	6
7		1850	8 1/2	185	6

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
34					GEL - 3000 185
35	8.7		9.5		MILAN - 300 185
					PR MINN - 150 185
					G.V. - 1/2 GAL
					EMULSION - 800

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery
DCE TEMP	12"				

From	To	Hrs.	From	To	Hrs.
12:00	6:30	6 1/2	TRIP OUT CHECK FOR 8:00		
6:30	7:00	1/2	FLOW ON TOP OF D. CLON	10:00	2
7:00	7:15	1/4	SER RIG & BUP	10:30	1/2
7:15	8:00	3/4	TRIP IN HALL	10:30	1/2
			FILL PIPE	12:00	1/4
			DRILLING	12:30	3 3/4
					8

Driller: Phil Rowe Driller: De. Swaney Driller: H. P. ...

CLASSES OF TIME BREAKDOWN: DRG. OUT, TOTCO, FISHING, CIRCULATING, CONDITIONING MUD, TRIPPING, CORING, CASING, W.O.C, D.S. TESTING, LOGGING, W.O. ORDERS, RIG REPAIRS, RIG MAINTEN, MISCELLAN, CONDITION, REAMING CLEANING, WORKING PIPE, LOST CIRC.

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

DID YOU CHECK PREVENTER EQUIPMENT? YES / NO

00 bks.-6-65)

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 76

D.E. BLOW RIVER E47 Lsd Sec Twn N W Contractor NAT 3 10E Month JULY Day 22

Table with 3 columns for 1st, 2nd, and 3rd tours. Each column contains detailed drilling data including hole made, bit size, formation, and various measurements.

Table with 3 columns for 1st, 2nd, and 3rd tours. Each column contains nozzle size, bit wear, and deviation information.

Table with 3 columns for 1st, 2nd, and 3rd tours. Each column contains a summary of hours, pump pressure, length of pump stroke, strokes per minute, and liner size.

Table with 3 columns for 1st, 2nd, and 3rd tours. Each column contains viscosity, weight, W/L, pH, and additives in pounds.

Table with 3 columns for 1st, 2nd, and 3rd tours. Each column contains core number, depth in, footage, hours run, depth out, and recovery.

Table with 3 columns for 1st, 2nd, and 3rd tours. Each column contains a log of activities with time breakdowns, such as 'PULL OUT', 'TRIP IN HOLE', and 'PRESSURE TEST'.

Table with 3 columns for 1st, 2nd, and 3rd tours. Each column contains the name of the driller.

Table with 3 columns for 1st, 2nd, and 3rd tours. Each column contains a breakdown of time spent on various tasks like 'CLASSES OF TIME BREAKDOWN'.

Table with 3 columns for 1st, 2nd, and 3rd tours. Each column contains total contract time, total company time, and approval information.

(300 bks.-6-65)

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 25

IOE Blow River E 47 Lsd. Sec. Twn. W. Contractor *R.G. 3 IOE* Month *July* Day *21*

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation			
38			124	DOUBLE SUB BIT	4138			12 1/4	SUB	4138			12 1/4	BIT SUB			
D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
				709.00		4 1/2	13	2	23	709.00		4 1/2	35	-	25	709.00	

LL Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL		
6	9	3	169.70	DRILLING STRING	6	9	3	169.70	DRILLING STRING	6	9	3	169.70	DRILLING STRING		
18	6 3/4	2 7/8	539.30	DRILL COLLARS	18	6 3/4	2 7/8	539.30	DRILL COLLARS	18	6 3/4	2 7/8	539.30	DRILL COLLARS		
Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed	No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed
W7								31	W7							

Serial No. <i>NB 600</i>	Jet <input type="checkbox"/> Conventional <input type="checkbox"/>	Bit Serial No. <i>NB 600</i>	Jet <input checked="" type="checkbox"/> Conventional <input type="checkbox"/>	Bit Serial No. <i>NB 600</i>	Jet <input checked="" type="checkbox"/> Conventional <input type="checkbox"/>
Nozzle Size <i>3-16</i>	Bit Wear: T B G	Nozzle Size <i>3-16</i>	Bit Wear: T B G	Nozzle Size <i>3-16</i>	Bit Wear: T B G
Depth	Deviation	Depth	Deviation	Depth	Deviation

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

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	
<i>CHANGE RUBBERS IN BLIND RAMS</i>						<i>PRESSURE. PUMPING 2000 PSI O.A.</i>						<i>5-16 AND COLLAR @ 2023</i>						
<i>INSIDE BOWL LINDER.</i>												<i>TOP OF 1/2" @ 4019</i>						
<i>PRESSURE BLIND RAMS TO 2000 PSI</i>																		
<i>PRESSURE HYDRA 2000 O.A.</i>																		

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery

From	To	Hrs.	From	To	Hrs.	From	To	Hrs.
<i>WORK ON BOPS 12</i>			<i>RUN IN HOLE (2043) LAY DOWN 8"</i>			<i>RUN IN HOLE TO 2043 4" 5"</i>		
<i>W7 HYDRA 1000 + 1000</i>			<i>BENT PIPE, PUT ON CASING PROTECTORS 10:30 2 1/2</i>			<i>DRILLING OUT RUBBERS 11:30 5"</i>		
<i>NO RUN DC 8 8</i>			<i>THAW KELLY OUT OF RAT HOLE ID 12:30 2</i>			<i>STAGING COLLAR 8:15</i>		
			<i>PRESSURE TEST 12:30 2:15 3/4</i>			<i>RUN IN HOLE LAY DOWN 8:15</i>		
			<i>CIRCULATE + CONDITION MUD 2:15 3:00 3/4</i>			<i>DOWN BENT PIPE, PUT ON CASING PROTECTORS 11:00 11:00</i>		
			<i>MEASURE PIPE OUT 3:00 4:00 1</i>			<i>DRILLING ON FLOAT 11:00 12:00</i>		

Driller: *C. Clemente* Driller: *Phil Paine* Driller: *Don Gray*

DRILLING OUT:	CLASSES OF TIME BREAKDOWN	LOGGING:	RIG MAINTENANCE:	REAMING CLEANING:	DID YOU CHECK PREVENTER EQUIPMENT?
FISHING:	TOTCO:	W.O. ORDERS:	MISCELLANEOUS:	WORKING PIPE:	YES
CIRCULATING:	CONDITIONING MUD:	RIG REPAIRS:	CONDITION TABLE:	LOST CIRCUIT:	NO
	TRIPPING:				
	CORING:				

Total Contract Timehrs. Total Company Timehrs. Toolpusher *Paul Mackey* Approved by

(300 bks. 4-65)

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 74

ZOE Blow River E 47

Lsd. Sec. Twn. Co. W

Contractor *ATG* *ZOE* Month *July* Day *20*

1st Tour From: 12:00 Midnight To: 8:00 a.m.										2nd Tour From: 8:00 a.m. To: 4:00 p.m.										3rd Tour From: 4:00 p.m. To: 12:00 p.m.																																							
From	To	Hole Made	Bit Size	Formation						From	To	Hole Made	Bit Size	Formation						From	To	Hole Made	Bit Size	Formation																																			
1286										4138										4138																																							
D.P.	Stands	Singles	Kelly	Drill Collar Ft.	Core Bbl. Ft.					Size-D.P.	Stands	Singles	Kelly	Drill Collar Ft.	Core Bbl. Ft.					Size-D.P.	Stands	Singles	Kelly	Drill Collar Ft.	Core Bbl. Ft.																																		
Drill Number	OD	ID	Length	INDICATOR	WEIGHT OF TOTAL					Drill Number	OD	ID	Length	INDICATOR	WEIGHT OF TOTAL					Drill Number	OD	ID	Length	INDICATOR	WEIGHT OF TOTAL																																		
DRILLING STRING										DRILLING STRING										DRILLING STRING																																							
DRILL COLLARS										DRILL COLLARS										DRILL COLLARS																																							
DATA										DATA										DATA																																							
No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Total Footage Reamed												No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Total Footage Reamed												No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Total Footage Reamed											
Serial No.										Serial No.										Serial No.																																							
Jet <input type="checkbox"/> Conventional <input type="checkbox"/>										Jet <input type="checkbox"/> Conventional <input type="checkbox"/>										Jet <input type="checkbox"/> Conventional <input type="checkbox"/>																																							
Bit Wear: T B G										Bit Wear: T B G										Bit Wear: T B G																																							
Depth										Depth										Depth																																							
HOURS										HOURS										HOURS																																							
On Line	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size					On Line	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size					On Line	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size																																		
Time Visc. Wt. W L pH ADDITIVES — POUNDS										Time Visc. Wt. W L pH ADDITIVES — POUNDS										Time Visc. Wt. W L pH ADDITIVES — POUNDS																																							
Core No. Depth In Footage Hours Run Depth Out Recovery										Core No. Depth In Footage Hours Run Depth Out Recovery										Core No. Depth In Footage Hours Run Depth Out Recovery																																							
From To Hrs										From To Hrs										From To Hrs																																							
<i>HEADING UP</i>										<i>HEADING UP</i>										<i>HEADING UP</i>																																							
<i>2:12:00</i>										<i>8:00</i>										<i>7:12:00</i>																																							

Driver: *De Cray* Driller: *De Cray*

CLASSES OF TIME BREAKDOWN

DRG. OUT.	TOTCO.	CONDITIONING MUD.	CASING:	LOGGING:	RIG MAINTENANCE:	REAMING/CLEANING:	BID YOU CHECK PREVENTER EQUIPMENT
FISHING:	FISHING:	TRIPPING:	W.O.C.	W.O. ORDERS:	MISCELLANEOUS:	WORKING PIPE:	YES
CIRCULATING:	CIRCULATING:	CORING:	D.S. TESTING:	RIG REPAIRS:	CONDITION:	LOST CIRC.	

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

(300 bks.-6-65)

IMPERIAL OIL LIMITED

DA'LY DRILLING REPORT No. 7

IOE Blow River E 47

Lsd. Sec. Twn. Rte. W.

Contractor *R.G.3 IOE* Month *July* Day *19*

1st Tour From: **12:00** Midnight To: **8:00** a.m. 2nd Tour From: **8:00** a.m. To: **4:00** p.m. 3rd Tour From: **4:00** p.m. To: **12:00** p.m.

From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation
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D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
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LL 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	DRILL Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL DRILLING STRING	DRILL COLLARS
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No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed	No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed	No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed
-----	------	-------------	---------	-----	-----	--------------	-----------------------	--------	-----	------	-------------	---------	-----	-----	--------------	-----------------------	--------	-----	------	-------------	---------	-----	-----	--------------	-----------------------	--------

Serial No.	Jet <input type="checkbox"/> Conventional <input type="checkbox"/>	Bit Serial No.	Jet <input type="checkbox"/> Conventional <input type="checkbox"/>	Bit Serial No.	Jet <input type="checkbox"/> Conventional <input type="checkbox"/>
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Nozzle Size	Bit Wear: T B G	Nozzle Size	Bit Wear: T B G	Nozzle Size	Bit Wear: T B G
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Depth	Deviation	Depth	Deviation	Depth	Deviation
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HOURS	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURS	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURS	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
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Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
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Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery
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From	To	Hrs.	From	To	Hrs.	From	To	Hrs.
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Heading up *12 8 8* *HEADING UP* *8:00 4:00 8* *HEADING UP* *4:00 12:00*

Driller: *A. Hernandez* Driller: *Phil Rowe* Driller: *De Gray*

CLASSES OF TIME BREAKDOWN: TOTCO, FISHING, CIRCLATING; CONDITIONING MUD; TRIPPING; CORING; CASING; W.O.C.; D.S. TESTING; LOGGING; W.O. ORDERS; RIG REPAIRS; RIG MAINTENANCE; MISCELLANEOUS; CONDITION TOLE; REAMING CLEANING; WORKING PIPE; LOST CIRC.; DID YOU CHECK PREVENTER EQUIPMENT? YES

Total Contract Time hrs. Total Company Time hrs. Toolpusher *W. Mackey* Approved by

IOE Blow River E47

Lsd..... Sec..... Twn..... Rge..... W..... Contractor *R.G. 3* Month *July* Day *18*

1st Tour From: **12:00** Midnight To **8:00** a.m. 2nd Tour From: **8:00** a.m. To **4:00** p.m. 3rd Tour From: **4:00** p.m. To **12:00** p.m.

1st Tour						2nd Tour						3rd Tour														
From	To	Hole Made	Bit Size	Formation		From	To	Hole Made	Bit Size	Formation		From	To	Hole Made	Bit Size	Formation										
<i>138</i>						<i>4138</i>						<i>4138</i>														
D.P.	Stands	Singles	Kelly	Drill Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill Collar Ft.	Core Bbl. Ft.									
LL Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL		DRILL Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL		DRILL Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL										
LAR		DRILLING STRING		DRILL COLLARS		COLLAR		DRILLING STRING		DRILL COLLARS		COLLAR		DRILLING STRING		DRILL COLLARS										
DATA						DATA						DATA														
No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed	No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed	No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed

Serial No. Jet Conventional Bit Serial No. Jet Conventional

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

Depth Deviation Depth Deviation Depth Deviation

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

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

RE-CEMENT CASING FROM SURFACE TO 20 FT WITH 20 SIZ HEAT

Core No. Depth In Footage Hours Run Depth Out Recovery Core No. Depth In Footage Hours Run Depth Out Recovery Core No. Depth In Footage Hours Run Depth Out Recovery

From	To	Hrs.	From	To	Hrs.	From	To	Hrs.
<i>WOC</i>	<i>12 30</i>	<i>3 1/2</i>	<i>CUT OFF CASING OFF</i>	<i>3 10</i>	<i>3 1/2</i>	<i>CUT OFF CASING OFF + 5' COLLAR</i>	<i>3 10</i>	<i>1</i>
<i>pull Table & Hydril</i>			<i>CEMENT CASING</i>	<i>4 00</i>	<i>3</i>	<i>CEMENT CASING</i>	<i>4 00</i>	<i>3</i>
<i>gear out Head</i>	<i>8 47 1/2</i>		<i>HEAD ON</i>	<i>12 00</i>	<i>1</i>	<i>HEAD ON</i>	<i>12 00</i>	<i>1</i>
			<i>REPLACE LUMIN</i>	<i>1 30</i>	<i>1 1/2</i>	<i>REPLACE LUMIN</i>	<i>1 30</i>	<i>1 1/2</i>
			<i>HEAD UP</i>	<i>2 20</i>	<i>1 1/2</i>	<i>HEAD UP</i>	<i>2 20</i>	<i>1 1/2</i>

HEADING UP 4 12 30

Driller *C. Clemente* Driller *Phil Howe* Driller *Don Gray*

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, REAMING CLEANING, WORKING PIPE, LOST CIRC., DID YOU CHECK PREVENTER EQUIPMENT? YES

Total Contract Timehrs. Total Company Timehrs. Toolpusher Approved by

IMPERIAL OIL LIMITED

IOE Blow River 47

Lsd. Sec. Twn. Rge. W.

Contractor R.G. 3

Month July Day 18

1st Tour From: 12:00 Midnight To 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

Table with 3 columns for tours. Each column contains fields for From, To, Hole Made, Bit Size, Formation, Size-D.P., Stands, Singles, Kelly, Drill Collar Ft., Core Bbl. Ft., DRILL Number, OD, ID, Length, INDICATOR WEIGHT OF TOTAL, DRILLING STRING, DRILL COLLARS, COLLAR, DATA, No., Type, Time On Bit, Footage, WOB, RPM, Depth Pulled, Total Footage Drilled, Reamed.

Bit Serial No. Jet [] Conventional [] Nozzle Size Bit Wear: T B G

Table with 3 columns for tours. Each column contains fields for HOURS, On Line, Circulating, Pump Press, Length of Pump Stroke, Strokes Per Min., Liner Size, Deviation.

Table with 3 columns for tours. Each column contains fields for Time, Visc., Wt., W L, pH, ADDITIVES — POUNDS. Includes handwritten note: RE-CEMENT CASING FROM SURFACE TO 20 FT WITH 20 SACK WEIGHT.

Table with 3 columns for tours. Each column contains fields for Core No., Depth In, Footage, Hours Run, Depth Out, Recovery.

Table with 3 columns for tours. Each column contains fields for From, To, Hrs. Includes handwritten notes: WOC CUT CASING OFF pull Table 2 Hydrol Tear out Head; CUT OFF CASING 11' + 1 1/2" COLLAR 8 CEMENT CASING. HEAD UP REPLACE LUM HEAD UP; HEADING UP.

Driller: Clemente Phil Hawk Don Gray

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, REAMING CLEANING, WORKING PIPE, LOST CIRC., DID YOU CHECK PREVENTER EQUIPMENT YES

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

2 (300 bks.-6-65)

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 7

J.O.E. Blow River E47 Lsd. Sec. Tw. Rge W. Contractor J.O.E. Rig 3 Month July Day 17

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

From To Hole Made Bit Size Formation From To Hole Made Bit Size Formation From To Hole Made Bit Size Formation

4130 4138 4138 17 1/2

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

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

DATA DATA DATA

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

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

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

Depth Deviation Depth Deviation Depth Deviation

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

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

Core No. Depth In Footage Hours Run Depth Out Recovery Core No. Depth In Footage Hours Run Depth Out Recovery Core No. Depth In Footage Hours Run Depth Out Recovery

FRIDGE TEMP 24°

From To Hrs. From To Hrs. From To Hrs.

CIRCULATE WATER 12:00 8:00 8 CIRCULATE WATER WOC 8:00 4:00 8 CIRC WATER & WOC 4:00 8:00 8

N CASING @ 802 FEET. PULLING TUBING 8:00 9:00 8 CLEAN MUD TANKS WOC 9:00 12:00 12 CLEAN UP.

Driller Alex G. Zapp Driller Phil Rowe Driller De Gray

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

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

DID YOU CHECK PREVENTER EQUIPMENT? YES

(300 bks.-6-65)

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 70

IOE. Blow River E-47 Lsd. Sec. Twn. Rge. W. Contractor IOE P 63 Month July Day 16

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation
38			17 1/2		4138					4138				

Standards	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Standards	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Standards	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
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DRILL	Number	OD	ID	Length	INDICATOR	WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR	WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR	WEIGHT OF TOTAL
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DRILLING STRING	DRILL COLLARS	DRILLING STRING	DRILL COLLARS	DRILLING STRING	DRILL COLLARS
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No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed	No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed	No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed
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Serial No.	Jet	Conventional	Bit Serial No.	Jet	Conventional	Bit Serial No.	Jet	Conventional
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Bit Wear: T B G	Bit Wear: T B G	Bit Wear: T B G
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Deviation	Deviation	Deviation
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HOURS	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURS	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURS	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
-------	------------	-----------------------	------------------	------------	-------	------------	-----------------------	------------------	------------	-------	------------	-----------------------	------------------	------------

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
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Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery
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From	To	Hrs.	From	To	Hrs.	From	To	Hrs.
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UN 13 3/8 CASING	12:00	3:00	3	CIRCULATE CASING	8:00	12:15	4 1/4	CLEAN UP & PREPARE	4:00
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TO CIRCULATE	3:00	3:30	1/2	RUN CEMENT	12:15	2:15	2	TO RUN 1 1/8 TUBING	7:30
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CIRCULATE CASING	3:30	4:00	1	RIG UP TO PUMP PLUG DOWN	2:15	2:30	1/4	RUN 1 1/8 TUBING	7:30
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CEMENTING	4:30	5:30	1	PUMP PLUG DOWN	2:30	3:15	3/4	DISPLACING MUD TO WATER	10:00
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TO PUMP PLUG	5:30	6:00	1/2	CLEAN UP	3:15	4:00	3/4	CIRC WATER @ 802 FT	11:00
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TO PUMP PLUG	6:00	7:00	1						
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TO OPENING PLUG	7:00	7:30	1/2						
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TO OPENING PLUG	7:30	8:00	1/2						
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TO PRESSURE OPENING PLUG	7:30	8:00	1/2						
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Driller: Alex Czapp / Driller: Paul Stone / Driller: De Henry

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, RIG MAINTENANCE, MISCELLANEOUS, RIG MAINTENANCE, MISCELLANEOUS, REAMING CLEANING, WORKING PIPE, LOST CIRC., DID YOU CHECK PREVENTER EQUIPMENT, YES NO

Total Contract Timehrs. Total Company Timehrs. Toolpusher Approved by

300 bks.-6-65)

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 69

J.O.E. Blow River E47 Lsd. Sec. Twn. Rge. W Contractor NAT 3 Month July Day 15

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation
30			17 1/2	ROAMER 3.00	4138			17 1/2		4130			17 1/2	

Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Drill. Collar Ft.	Core Bbl. Ft.
34	2	6	737.20	7.68										

Number	OD	ID	Length	INDICATOR	WEIGHT OF TOTAL	Number	OD	ID	Length	INDICATOR	WEIGHT OF TOTAL	Number	OD	ID	Length	INDICATOR	WEIGHT OF TOTAL	
6	11	9	3	28.20														

Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed	No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed
TOOTH ROAMER	7 3/4	35	60	85	4050	149										

Serial No.	Jet	Conventional	Bit Serial No.	Jet	Conventional	Bit Serial No.	Jet	Conventional
230R	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>

Line	Hours	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	On Line	Hours	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
2	0.25	1800	47	60							

Time	Visc.	Wt.	W L	pH	ADDITIVES	POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES	POUNDS
51	76	10.5			500								

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery

From	To	Hrs.	From	To	Hrs.	From	To	Hrs.
4015	4050							

RAMMING 12 1/4 TO 17 1/2 12:00 5:00 5
 WUMMY TRIP 16 STANDS 5:00 6:00 1
 PIPE IN GOOD SHAPE
 CIRC. TO RUN CASING 6:00 7:15 1 1/4
 WUG PIPE PULLING
 OUT TO RUN CASING 7:15 8:00 3/4

TRIP OUT STOP IN HOLE AT TOP 8:00
 OF D.C. CHECK BONGS LAY DOWN
 SHOCK SUB + TAB. IN HOLE
 7 JARS
 RUN UP TO RUN 13 3/8 CASING 11:15 11:15 2
 RUN 13 3/8 CASING 11:15 4:00 2 1/4

Driller: Alex Lazapp 8 Driller: Phil Rowe Driller: De Tray

CLASSES OF TIME BREAKDOWN
 TOTCO: CONDITIONING MUD: CASING: LOGGING: RIG MAINT: ANCE: REAMING CLEANING
 FISHING: TRIPPING: W.O.C: W.O. ORDERS: MISCELLAN: OS: WORKING PIPE:
 CIRCULATING: CORING: D.S. TESTING: RIG REPAIRS: CONDITION: MULE: LOST CIRC.

Total Contract Timehrs. Total Company Timehrs. Toolpusher Approved by

BID YOU CHECK PREVENTER EQUIPMENT YES

IMPERIAL OIL LIMITED

10E Blow River E47

Lsd. Sec. Tw. Rge. W. Contractor

NAT 3

Month July Day 14

1st Tour From: 12:00 Midnight To: 8:00 a.m.										2nd Tour From: 3:00 a.m. To: 4:00 p.m.										3rd Tour From: 4:00 p.m. To: 12:00 p.m.									
From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation															
30			17 1/2	REAMER 3.00 SHOCK SUBS 19.59	4130			17 1/2	REAMER 3.00 SHOCK SUBS 19.59	4138			17 1/2	REAMER															
Stands	Singles	Kelly	Drill Collar Ft.	Core Bbl. Ft.	Stands	Singles	Kelly	Drill Collar Ft.	Core Bbl. Ft.	Stands	Singles	Kelly	Drill Collar Ft.	Core Bbl. Ft.															
33		1	737.20	STAB 7.68 BIT SUB 2.60	4 1/2	33	2	18	737.20	STAB 7.68 BIT SUB 2.60	4 1/2	34	1	13	737.20	BIT SUB													
Drill Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	Drill Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	Drill Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL															
6	11	3	28.20	DRILLING STRING	6	11	3	28.20	DRILLING STRING	6	11	3	28.20	DRILLING STRING															
18	6 3/4	2 3/8	539.20	142 M 78 M	18	6 3/4	2 3/8	539.20	144 M 78 M	18	6 3/4	2 3/8	539.20	144 M 78 M															
Type	Time On	Footage	WOB	RPM	Depth	Total Footage	Type	Time On	Footage	WOB	RPM	Depth	Total Footage	Type	Time On	Footage	WOB	RPM	Depth	Total Footage									
Reamer	16 1/2	18	55	75	3901	165	Reamer	16 1/2	18	55	75	3901	165	Reamer	16 1/2	18	55	75	3901	165									
Serial No.	10332	230R	Jet	Conventional	Serial No.	230R	Jet	Conventional	Serial No.	230R	Jet	Conventional																	
Nozzle Size	Bit Wear: T 5 B 6 G 4	Nozzle Size	Bit Wear: T B G	Nozzle Size	Bit Wear: T B																								
Deviation	Deviation	Deviation																											
HOURS	Pump	Length of	Strokes	Liner	HOURS	Pump	Length of	Strokes	Liner	HOURS	Pump	Length of	Strokes	Liner															
On Line	Circulating	Press	Pump Stroke	Per Min.	Size	On Line	Circulating	Press	Pump Stroke	Per Min.	Size	On Line	Circulating	Press	Pump Stroke	Per Min.	Size												
Time	Visc.	Wt.	W L	pH	ADDITIVES - POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES - POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES - POUNDS												
5:45	9.6	10	Gel	100 #		11:00	4.4	9.6				10:30	5.1	9.6	10.0														
6:49	9.6	10	Kelban	100 #		1:00	4.4	9.6				1:00	5.0	9.6															
			Chronic Alcon	34 #		3:00	5.0	9.6																					
			Plaster	100 #																									
			Water																										
Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery												
Rig while welding BIT					CHANGE STAND ON DRILL COLLARS					FRIDGE TEMP 28°																			
LIFT 200 FEET OFF BOTTOM					TRIP IN HOLE					REAMING 12 1/4 TO 17 1/2																			
REAMING 12 1/4 TO 17 1/2					FROM 3948 TO 4015																								
3883 TO 3901																													
CLEAN, SLUG PIPE																													
ASURE OUT OF HOLE																													
BIT HOLE PUMP OUT 3 SINGLES																													
THROUGH TIGHT SPOTS																													
LED PILOT BIT ON REAMER																													
WELD NUT ON BLOCKS																													
TRIP IN HOLE																													
Driller: H. M. ...					Driller: G. L. ...					Driller: Phil ...																			

CLASSES OF TIME BREAKDOWN	CONDITIONING MUD: TRIPPING, CORING.	CASING: W.O. D.S. TESTING.	LOGGING: W.O. RIG REPAIRS.	RIG MAINTENANCE: MISCELLANEOUS CONDITION FILE.	REAMING CLEANING: WORKING PIPE, LOST CIRC.	DID YOU CHECK PREVENTER EQUIPMENT? YES
Total Contract Time	Total Company Time	Toolpusher	Approved by			

IMPERIAL OIL LIMITED

10E BLOW RIVER E 47 Lsd. Sec. Twn. Rge. W. Contractor NAT 3 Month July Day 13

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

Table with columns for From, To, Hole Made, Bit Size, Formation, Size-D.P., Stands, Singles, Kelly, Drill, Collar Ft., Core Bbl. Ft., DRILL Number, OD, ID, Length, INDICATOR WEIGHT OF TOTAL, No., Type, Time On, Footage, WOB, RPM, Depth, Total Footage, Drilled, Reamed.

Table with columns for Serial No., Jet, Conventional, Nozzle Size, Bit Wear, Deviation, Depth.

Table with columns for HOURS, Pump Press, Length of Pump Stroke, Strokes Per Min., Liner Size, On Line, Circulating.

Table with columns for Time, Visc., Wt., W L, pH, ADDITIVES, FOUNDS, Core No., Depth In, Footage, Hours Run, Depth Out, Recovery.

Table with columns for From, To, Hrs, Trip in Hole, Reaming, etc.

Table with columns for From, To, Hrs, Reaming, etc.

Table with columns for From, To, Hrs, Reaming, etc.

Table with columns for From, To, Hrs, Reaming, etc.

Table with columns for Driller, 3736 To 3808, 3808 To 3883.

Table with columns for CLASSES OF TIME BREAKDOWN, TOFCO, FISHING, CIRCULATING, etc.

Table with columns for Total Contract Time, Total Company Time, Toolpusher, Approved by.

IMPERIAL OIL LIMITED

10E Blow River #47

Lsd. Sec. Tw. Rge. W

Contractor NAT 3 Month July Day 12

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

Table with columns for From, To, Hole Made, Bit Size, Formation, Size-D.P., Stands, Singles, Kelly, Drill Collar Ft., Core Bbl. Ft., DRILL Number, OD, ID, Length, INDICATOR WEIGHT OF TOTAL, COLLAR, DATA, No., Type, Time On, Bit, Footage, WOB, RPM, Depth Pulled, Total Footage Drilled, Reamed.

Jet Serial No. 10332 Jet [] Conventional [x] Nozzle Size Bit Wear: T 6 B 4 G 5

Table with columns for HOURS, Pump Press, Length of Pump Stroke, Strokes Per Min., Liner Size, On Line, Circulating.

Table with columns for Time, Visc., Wt., W L, pH, ADDITIVES - POUNDS, Caustic 100 #, Gel 200 #, Kelzan 20 #, SPARTAN-1000, Dowicide B, 15 #, Master of Paris 20 #, Chrome Alum 17 #.

Table with columns for Core No., Depth In, Footage, Hours Run, Depth Out, Recovery, CHECK KELLY COCK O.K., CHANGE STAND ON DRILL COLLARS.

Table with columns for From, To, Hrs, DRILLING 12 1/4 TO 17 1/2, 3503 TO 3584, RC slug pipe TRIP OUT, 3584 TO 3593, TRIP OUT, CHANGE REAMERS, SER. RIG CHECK B.O.P.S., RUN IN DRILL COLLARS, CUT DRILLING LINE, TIGHTEN LOCK NUT ON Blocks, RUN IN DRILL PIPE, CLEAN 90' TO BOTTOM, REAMING 12 1/4 TO 17 1/2.

Driller H. M. G. 9:00 Driller G. L. G. 9:00 Driller P. M. K.

Table with columns for CLASSES OF TIME BREAKDOWN, TOTCO, FISHING, CIRCUATING, CONDITIONING MUD, TRIPPING, CORING, CASING, W O C, D.S. TESTING, LOGGING, W O ORDERS, RIG REPAIRS, RIG MAINTENANCE, MISCELLANEOUS, REAMING CLEANING, WORKING PIPE, LOST CIRC.

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

IMPERIAL OIL LIMITED

105 Blow River E47 Lsd. Sec. Tw n Rge W Contractor N.A.T. 3 Month July Day 11

Table with 3 columns for 1st, 2nd, and 3rd tours. Each column contains fields for From, To, Hole Made, Bit Size, Formation, and various drilling parameters like Stands, Singles, Kelly, Drill, Collar Ft., Core Bbl. Ft., etc.

Summary row for each tour containing Bit Serial No., Jet type, Nozzle Size, Bit Wear, and Depth.

Table with 3 columns for Hours, Pump Press, Length of Pump Stroke, Strokes Per Min, and Liner Size.

Table with 3 columns for Time, Visc., Wt., W L, pH, and ADDITIVES - POUNDS.

Table with 3 columns for Core No., Depth In, Footage, Hours Run, Depth Out, Recovery.

Large text area containing detailed log entries such as 'Rip in hole', 'Slur pipe Trip out', 'SER. RIG CHECK B.O.P.S.', 'Pick up Tooth Rammer', 'Run in Drill Collars', 'Work on Crown Saver', 'Run in Drill Pipe', 'Working to Bottom'.

Driller: H. Mac Grawe, Alex Gzapp, Phil Rowe

Table with 3 columns for DRG. OUT, CLASSES OF TIME BREAKDOWN (TOTCO, FISHING, CIRCUATING, etc.), and Total Contract/Company Time.

Bottom section with various notes, signatures, and additional data points.

IMPERIAL OIL LIMITED

Blow River

Lsd. Sec. Tw. Rge. W. Contractor NAT 3 Month July Day 10

1st Tour From: 12:00 Midnight To: 8:00 a.m.										2nd Tour From: 8:00 a.m. To: 4:00 p.m.										3rd Tour From: 4:00 p.m. To: 12:00 p.m.																	
From		To		Hole Made		Bit Size		Formation		From		To		Hole Made		Bit Size		Formation		From		To		Hole Made		Bit Size		Formation									
40				17 1/2		17 1/2		SHOCK SUB 10.39		4138				17 1/2		17 1/2		SHOCK SUB 10.39		4138				17 1/2		17 1/2		SHOCK SUB 10.39									
D.P.		Stands		Singles		Kelly		Drill Collar Ft.		Core Bbl. Ft.		D.P.		Stands		Singles		Kelly		Drill Collar Ft.		Core Bbl. Ft.		D.P.		Stands		Singles		Kelly		Drill Collar Ft.		Core Bbl. Ft.			
26		1		12		737.20		BIT SUB 2.60		5 TAB 7.68		14 1/2		26		1		20		737.20		BIT SUB 2.60		5 TAB 7.68		4 1/2		26		2		17		737.20			
DRILL		Number		OD		ID		Length		INDICATOR WEIGHT OF TOTAL		DRILL		Number		OD		ID		Length		INDICATOR WEIGHT OF TOTAL		DRILL		Number		OD		ID		Length		INDICATOR WEIGHT OF TOTAL			
1		11		3		28.20		169.70		DRILLING STRING		DRILL COLLARS		1		11		3		28.20		169.70		DRILLING STRING		DRILL COLLARS		1		11		3		28.20			
A		18		6 3/4		2 3/8		53930		129 M		78 M		A		18		6 3/4		2 3/8		53930		130 M		78 M		A		18		6 3/4		2 3/8		53930	
Type		Time On Bit		Footage		WOB		RPM		Depth Pulled		Total Footage Drilled		Reamed		No.		Type		Time On Bit		Footage		WOB		RPM		Depth Pulled		Total Footage Drilled		Reamed					
C46		19		143		2-60		42-20		32.69		286				15		TOOTH		3/4		5 M		120				15		TOOTH		3/4		5 M		120	
Serial No. 516114 Jet <input checked="" type="checkbox"/> Conventional <input type="checkbox"/>										Serial No. TOOTH REAMER Jet <input type="checkbox"/> Conventional <input checked="" type="checkbox"/>										Bit Serial No. 10099R TOOTH REAMER																	
Nozzle Size 2-13-1-12 Bit Wear: T B G										Nozzle Size #10099R Bit Wear: T 8 B 8 G 1										Nozzle Size 2-13-1-12 Bit Wear: T B																	
Deviation										Deviation BIT #31										Deviation																	
HOURS		Pump Press		Length of Pump Stroke		Strokes Per Min.		Liner Size		HOURS		Pump Press		Length of Pump Stroke		Strokes Per Min.		Liner Size		HOURS		Pump Press		Length of Pump Stroke		Strokes Per Min.		Liner Size									
On Line		Circulating								On Line		Circulating								On Line		Circulating															
3										3 3/4										3 3/4																	
Time Visc. Wt. W L pH ADDITIVES --- POUNDS										Time Visc. Wt. W L pH ADDITIVES --- POUNDS										Time Visc. Wt. W L pH ADDITIVES --- POUNDS																	
3:20 18 9.4 1.5										3:20 18 9.4 1.5										3:20 18 9.4 1.5																	
Core No. Depth In Footage Hours Run Depth Out Recovery										Core No. Depth In Footage Hours Run Depth Out Recovery										Core No. Depth In Footage Hours Run Depth Out Recovery																	
CHECK KELLY COCK O.K.										CHECK KELLY COCK O.K.										CHECK KELLY COCK O.K.																	
TRIP OUT										TRIP OUT										TRIP OUT																	
SER. RIG + B.A.P.S.										SER. RIG + B.A.P.S.										SER. RIG + B.A.P.S.																	
PICK UP TOOTH REAMER										PICK UP TOOTH REAMER										PICK UP TOOTH REAMER																	
TRIP IN HOLE										TRIP IN HOLE										TRIP IN HOLE																	
CHECK ALL DRILL COLLARS										CHECK ALL DRILL COLLARS										CHECK ALL DRILL COLLARS																	
WORK ON AIR COMPRESSOR										WORK ON AIR COMPRESSOR										WORK ON AIR COMPRESSOR																	
TRIP IN HOLE										TRIP IN HOLE										TRIP IN HOLE																	
CLEAN TO BOTTOM										CLEAN TO BOTTOM										CLEAN TO BOTTOM																	
REAMING UNDER EDGE HOLE										REAMING UNDER EDGE HOLE										REAMING UNDER EDGE HOLE																	
Driller: N. ...										Driller: ...										Driller: ...																	
CLASSES OF TIME BREAKDOWN										CLASSES OF TIME BREAKDOWN										CLASSES OF TIME BREAKDOWN																	
TOTAL CONTRACT TIME										TOTAL CONTRACT TIME										TOTAL CONTRACT TIME																	

IMPERIAL OIL LIMITED

Blow River E.H.7 Lsd Sec Tw n Rge W Contractor N.A.I. 3 Month July Day 9

1st Tour From: 12:00 Midnight To: 8:00 a.m. Table with columns for Stands, Singles, Kelly, Drill Collar Ft., Core Bbl. Ft., and Drilling String details.

2nd Tour From: 8:00 a.m. To: 4:00 p.m. Table with columns for Stands, Singles, Kelly, Drill Collar Ft., Core Bbl. Ft., and Drilling String details.

3rd Tour From: 4:00 p.m. To: 12:00 p.m. Table with columns for Stands, Singles, Kelly, Drill Collar Ft., Core Bbl. Ft., and Drilling String details.

Serial No. 586164 Jet [] Conventional [] Nozzle Size 2-13 1-12 Bit Wear: T B G

Serial No. Jet [] Conventional [] Nozzle Size 2-13 1-12 Bit Wear: T B G

Serial No. 586164 Jet [] Conventional [] Nozzle Size 2-13 1-12 Bit Wear: T B G

HOURLY Log table with columns: Line, Circulating, Pump Press, Length of Pump Stroke, Strokes Per Min., Liner Size.

HOURLY Log table with columns: On Line, Circulating, Pump Press, Length of Pump Stroke, Strokes Per Min., Liner Size.

HOURLY Log table with columns: On Line, Circulating, Pump Press, Length of Pump Stroke, Strokes Per Min., Liner Size.

ADDITIVES - POUNDS table with columns: Visc., Wt., W L, pH, ADDITIVES - POUNDS.

ADDITIVES - POUNDS table with columns: Visc., Wt., W L, pH, ADDITIVES - POUNDS.

ADDITIVES - POUNDS table with columns: Visc., Wt., W L, pH, ADDITIVES - POUNDS.

Core No., Depth In, Footage, Hours Run, Depth Out, Recovery table.

Core No., Depth In, Footage, Hours Run, Depth Out, Recovery table.

Core No., Depth In, Footage, Hours Run, Depth Out, Recovery table.

Log entries table with columns: From, To, Hrs. Includes entries like 'Lay down Reamers', 'Blow out school', 'Reaming 12 1/4 to 17 1/2'.

Log entries table with columns: From, To, Hrs. Includes entries like 'Reaming 12 1/4 to 17 1/2', 'Blow out school', 'Reaming 12 1/4 to 17 1/2'.

Log entries table with columns: From, To, Hrs. Includes entries like 'Reaming 12 1/4 to 17 1/2', 'Blow out school', 'Reaming 12 1/4 to 17 1/2'.

Driller: [Signature]

Driller: [Signature]

Driller: [Signature]

CLASSES OF TIME BREAKDOWN: TOTCO, FISHING, CIRCULATING, CASING, LOGGING, RIG MAINTENANCE, REAMING CLEANING, etc.

Total Contract Time, Total Company Time, Coolpusher, Approved by [Signature]

(300 bks-6-65)

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 61

102 Brown Road E17 Lsd. Sec. Tw. Rge. W. Contractor *A43* Month *May* Day *7*

1st Tour From: **12:00 Midnight To: 8:00 a.m.** 2nd Tour From: **8:00 a.m. To: 4:00 p.m.** 3rd Tour From: **4:00 p.m. To: 12:00 p.m.**

1st Tour										2nd Tour										3rd Tour									
From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation															
30			17 1/2	ST 4 B BIT SUB 2.60	41	30		17 1/2	ST 4 B BIT SUB 2.60	41	30		17 1/2	ST 4 B BIT SUB 2.60															
Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.															
22	-	4	737.20		22	-	4	737.20		22	-	4	737.20																
INDICATOR WEIGHT OF TOTAL										INDICATOR WEIGHT OF TOTAL										INDICATOR WEIGHT OF TOTAL									
DRILL	Number	OD	ID	Length	DRILL	Number	OD	ID	Length	DRILL	Number	OD	ID	Length															
6	11	3	28.20		6	11	3	28.20		6	11	3	28.20																
DRILLING STRING DRILL COLLARS										DRILLING STRING DRILL COLLARS										DRILLING STRING DRILL COLLARS									
DATA	18	6 3/4	2 7/8	539.30	17 1/2	78M	DATA	18	6 3/4	2 7/8	539.30	17 1/2	78M	DATA	18	6 3/4	2 7/8	539.30	17 1/2	78M									
Total Footage										Total Footage										Total Footage									
Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed						
2mm	26 1/2	74	1520	74				13	BUTTON	32 1/2	57	1230	94	285		13	BUTTON	32 1/2	57	1230	94	285							

Serial No. *10332* Jet Conventional Bit Serial No. *10332* 230R Jet Conventional

Nozzle Size *1* Bit Wear: T *1* B *6* G *0* Nozzle Size *1* Bit Wear: T *1* B *6* G *0*

HOURS						HOURS						HOURS					
Line	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	Line	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	Line	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
8		700	9 1/2	180	6"	5 1/2		700	8 1/2	180	6"	5 1/4		700	8 1/2	180	6"

ADDITIVES — POUNDS										ADDITIVES — POUNDS										ADDITIVES — POUNDS									
Time	Visc.	Wt.	W L	pH	ADDITIVES	Time	Visc.	Wt.	W L	pH	ADDITIVES	Time	Visc.	Wt.	W L	pH	ADDITIVES												
44	7.4			10.0	CEL 500 #	8:15	10	7.4			10.0	CEL 500 #	7:00	7.7	9.4		10.0	CAUSTIC - 50											
47	9.4			10	HELIAN 50 #	10:00	4.5	1.4			10.0	HELIAN 50 #	9:00	4.4	9.4		10.0	HELIAN - 50											
46	7.4			10	PLASTER 50 #	12:45	4.4	9.4			10.0	PLASTER 50 #						PLASTER - 50											
47	7.4			10.5	CHARALON 17 #							WT. MISC. 1000 #						GEL - 500											
46	9.4	1.4		10.5	CAUSTIC 100 #							2.00						CEL 500 - 17											

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	

From To Hrs.			From To Hrs.			From To Hrs.		
Beam 12 1/2 to 17 1/2	12 1/2	8	Beam 12 1/2 to 17 1/2	2		Run in Drill Collar	4	3
779 to 2853			2853 to 2910	1 20	5 1/2	SER. RIG + B.O. P.S.	4	5 1/2
			Change Reamer to 9" reamer	3	4	REPAIR COMPOUND CHAIN	5	6 1/2
						RUN IN DRILL PIPE	6	6 1/2
						ROOM 20' UNDER GAUGE HOLE	12	12

Driller: *Bob L. C.* Driller: *H. M. ...* Driller: *Bob L. C.*

CLASSES OF TIME BREAKDOWN		CASING:		LOGGING:		RIG MAINTENANCE:		REAMING CLEANING:		DID YOU CHECK PREVENTER EQUIPMENT?	
TOTCO:	CONDITIONING MUD:	W.O.C.	TESTING:	W.O. ORDERS:	RIG REPAIRS:	MISCELLANEOUS:	CONDITION HO:	WORKING PIPE:	LOST CIRCU:	YES	NO

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

(300 bks.-6-65)

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 60

106 Blount Road 647 Lsd Sec Tw n Rge W Contractor No 3 Month July Day 6

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

1st Tour						2nd Tour						3rd Tour					
From	To	Hole Made	Bit Size	Formation	Core	From	To	Hole Made	Bit Size	Formation	Core	From	To	Hole Made	Bit Size	Formation	Core
30			1 7/8	STAB	7.68	4130			1 7/8	STAB	7.68	4130			1 7/8	STAB	7.68
Stand	Singles	Kelly	Drill Collar Ft.	Core Bbl. Ft.		Stand	Singles	Kelly	Drill Collar Ft.	Core Bbl. Ft.		Stand	Singles	Kelly	Drill Collar Ft.	Core Bbl. Ft.	
20	-	26	737.20			4 1/2	20	2	20	737.20		4 1/2	21	1	15	737.20	
INDICATOR WEIGHT OF TOTAL						INDICATOR WEIGHT OF TOTAL						INDICATOR WEIGHT OF TOTAL					
DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL
COLLAR	6	4	3	28.20	169.70	COLLAR	6	4	3	28.20	169.70	COLLAR	6	4	3	28.20	169.70
DATA	18	6 3/4	2 7/8	539.30	122.0	DATA	18	6 3/4	2 7/8	539.30	122.0	DATA	18	6 3/4	2 7/8	539.30	122.0
Total Footage						Total Footage						Total Footage					
Type	Time-On Bit	Footage	WOB	RPM	Depth Pulled	Type	Time-On Bit	Footage	WOB	RPM	Depth Pulled	Type	Time-On Bit	Footage	WOB	RPM	Depth Pulled
Normal	15 1/2	8	22	12	2625	12	Butt	10	67	20	14	12	Butt	18	69	20	100

Serial No. 9951-10332 Jet Conventional Bit Serial No. 10332 Jet Conventional

Nozzle Size Bit Wear: T 4 B 6 G 1 Nozzle Size Bit Wear: T B G

1st Tour						2nd Tour						3rd Tour					
Line	Hours	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min	Line	Hours	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min	Line	Hours	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min
			700		180	7 3/4			900		100	8			900		180

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
47	11				SPARTON 1000	8:00	47	144		10.5	SPARTON 1000	1:00	47	144		10.5	SPARTON 1000
48	11	9.8	11		CELZAN 50	1:10	46	144		10.5	CELZAN 50	6:00	48	144		10.5	CELZAN 50
					CHARALUM 174	2:00	47	144		10.5	CHARALUM 174	8:00	47	144		10.5	CHARALUM 174
					CAUSTIC												

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery
TRIPLEX	2617	2643	24														

From	To	Hrs.	Description	From	To	Hrs.	Description	From	To	Hrs.	Description
12:00	12:00	1	Waiting 12 1/4 to 17 1/2	8:00	1:00	5	Waiting 12 1/4 to 17 1/2	12:00	11:00	1	REAM 12 1/4 To 17 1/2
12:00	12:00	2	WORK ON TRIPLEX PUMP	1:00	1:00	1	WORK ON TRIPLEX PUMP	11:00	11:00	1	WORK ON TRIPLEX PUMP
12:00	12:00	1 1/2	Waiting 17 1/2 to 26 1/2	1:00	1:00	2 1/2	Waiting 17 1/2 to 26 1/2	11:00	11:00	4	REAM 2 1/4 To 17 1/2
12:00	12:00	2	2643 To 2710			8	2643 To 2710				2710 To 2779

Driller: Light, J. C. Driller: H. J. Driller: L. J. G. G. G.

CLASSES OF TIME BREAKDOWN		CASING:		LOGGING:		RIG MAINTENANCE:		REFORMING CLEANING:	
TOTCO	CONDITIONING MUD	W O C	TRIPPING	W O ORDERS	RIG REPAIR	MISCELLANEOUS	CONDITION HOLE	WORKING PIPE	LOST CIRC.

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

DID YOU CHECK PREVENTER EQUIPMENT? YES

IMPERIAL OIL LIMITED

10 E. Blount River 1547 Lsd Sec. Tw. I je. W. Contractor MGS Month June Day 5

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From 8:00 a.m. To 4:00 p.m. 3rd Tour From 4:00 p.m. To 12:00 p.m.

Table with columns for From, To, Hole Made, Bit Size, Formation, Size-D.P., Stands, Singles, Kelly, Drill Collar Ft., Core Bbl. Ft. for three tours.

Serial No. 10099-995R Jet [] Conventional [] Nozzle Size Bit Wear: T 6 B 7 G 1

Table with columns for HOURS, Pump Press, Length of Pump Stroke, Strokes Per Min., Liner Size.

Table with columns for Time, Visc., Wt., W L, pH, ADDITIVES - POUNDS.

Table with columns for Core No., Depth In, Footage, Hours Run, Depth Out, Recovery.

Handwritten notes: DARTON 1050 WATER, CHUCK KILLY, CHUCK, 12 1/4 TO 17 1/2, 24 27 TO 24 81, RIP OUT, TRIP IN HOLE, REAMING 12 1/2 TO 17 1/2, REAMING 17 1/2 TO 24 27, 24 81 TO 25 44, 25 44 TO 26 17.

Driller: [Signature] Driller: [Signature] Driller: [Signature]

CLASSES OF TIME BREAKDOWN: TOFCO, CONDITIONING MUD, CASING, W.O.C, LOGGING, W.O. ORDERS, RIG MAINTENANCE, MISCELLANEOUS, REAMING CLEANING, WORKING PIPE, LOST CIRC.

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

DID YOU CHECK PREVENTER EQUIPMENT YES [] NO []

(300 bks.-6-65)

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 58

106 Blow Line E47 Lsd Sec Tw n W Contractor NRTS Month JULY Day 4

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 a.m.

From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation
30			17 1/2	2-60	4130			17 1/2	2-60	4130			17 1/2	2-60
D.P.	Stands	Singles	Kelly	Drill Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles
2	16	-	29	737.20		4 1/2	16	2	11	737.20		4 1/2	17	2
L	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL	Number	OD
AR	6	11	3	28.20	DRILLING STRING	DRILL COLLARS	6	11	3	28.20	DRILLING STRING	DRILL COLLARS	6	11
A	18	6 3/4	3	539.30	116.0	78.0	18	6 3/4	3	539.30	119.0	78.0	18	6 3/4
	Type	Time On	Footage	WOB	RPM	Depth	Total Footage							
	Resmed	1 3/4	15	20	120		15							

Serial No. 10097R Jet Conventional
 Nozzle Size Bit Wear: T B G
 Deviation

Line	On	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
	8		875	1 1/2	100	6

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
4:00	9.4	7.8	10		
7:00	11	9.5			10.5 GEN. 500
6:00	17	7.7			10.5 KERRAN 50
8:00	45	9.4			100 CHRYSLER 17

Core No. Depth In Footage Hours Run Depth Out Recovery

From	To	Hrs.	From	To	Hrs.
12:00	13:00	1 1/2	12:47	17 1/2	4 1/2
13:00	13:30	30	17 1/2	17 1/2	0
13:30	14:00	30	17 1/2	17 1/2	0
14:00	14:30	30	17 1/2	17 1/2	0
14:30	15:00	30	17 1/2	17 1/2	0
15:00	15:30	30	17 1/2	17 1/2	0
15:30	16:00	30	17 1/2	17 1/2	0
16:00	16:30	30	17 1/2	17 1/2	0
16:30	17:00	30	17 1/2	17 1/2	0
17:00	17:30	30	17 1/2	17 1/2	0
17:30	18:00	30	17 1/2	17 1/2	0
18:00	18:30	30	17 1/2	17 1/2	0
18:30	19:00	30	17 1/2	17 1/2	0
19:00	19:30	30	17 1/2	17 1/2	0
19:30	20:00	30	17 1/2	17 1/2	0
20:00	20:30	30	17 1/2	17 1/2	0
20:30	21:00	30	17 1/2	17 1/2	0
21:00	21:30	30	17 1/2	17 1/2	0
21:30	22:00	30	17 1/2	17 1/2	0
22:00	22:30	30	17 1/2	17 1/2	0
22:30	23:00	30	17 1/2	17 1/2	0
23:00	23:30	30	17 1/2	17 1/2	0
23:30	24:00	30	17 1/2	17 1/2	0

Driller: [Signature]

CLASSES OF TIME BREAKDOWN	LOGGING: W O ORDERS: RIG REPAIRS:	RIG MAINTENANCE MISCELLANEOUS: CONDITION HOLE:	REAMING CLEANING: WORKING PIPE: LOST CIRC:	DID YOU CHECK PREVENTER EQUIPMENT
TOTCO. FISHING: CIRCULATING:	CASING: W O C D S TESTING:			YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>

Total Contract Time _____ hrs. Total Company Time _____ hrs. Totalpusher _____ hrs. Approved by _____

(300 bks.-6-65)

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 57

10E Brown Line

Lsd Sec Twn Contractor 4-5

Month MAY Day 5

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation
30		17 1/2	5 1/2 SUB	STAB 2.60	41.30		17 1/2	5 1/2 SUB	STAB 2.60	41.30		17 1/2	5 1/2 SUB	STAB 2.60

P.	Stands	Singles	Kelly	Drill Collar Ft	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill Collar Ft	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill Collar Ft	Core Bbl. Ft.
2	14	1	10	767.30		4 1/2	15	1	10	767.30		4 1/2	15	1	10	767.30	

Number	OD	ID	Length	INDICATOR	WEIGHT OF TOTAL	DRILL Number	OD	ID	Length	INDICATOR	WEIGHT OF TOTAL
6	11	9	3	28.20	169.70	16	11	9	3	28.20	169.70

Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed	No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed
RR8	15	45	20	120	2157	210		RR8	15	45	20	120	2157	210		

Serial No.	Jet	Conventional	Serial No.	Jet	Conventional	Serial No.	Jet	Conventional
995R-10322			10322			10322		

Nozzle Size	Bit Wear	T	B	G	Nozzle Size	Bit Wear	T	B	G	Nozzle Size	Bit Wear	T	B	G
3-10 - 3-12	T 3 B 6 G 1				3-12	T B G				3-12	T B G			

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	675	1 1/2	180	6"	On Line	920	2 1/2	180	6"

Time	Visc.	Wt.	WL	pH	ADDITIVES -- POUNDS	Time	Visc.	Wt.	WL	pH	ADDITIVES -- POUNDS
4:00	15	10.3			GEK 500 CHR ALUM 17A	4:00	15	10.3			GEK 500 CHR ALUM 17A

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery

From	To	Hrs.	From	To	Hrs.
2229	2250	4	2229	2250	4

READING 12 1/4 TO 1 1/2 400 500 1 1/4
 SERVICE RIG - CHECK SUPP 500 600 1 1/2
 CHANGE CORROSION LING 700 800 1 1/4

READING 12 1/4 TO 1 1/2 400 500 1 1/4
 2159 TO 2229
 2229 TO 2250
 READING 12 1/4 TO 1 1/2 400 500 1 1/4
 PULL OUT CHECK
 RUN TUBOSCOPE
 4th DRILL COLLARS 12:00

Driller: [Signature] Driller: [Signature] Driller: [Signature]

CLASSES OF TIME BREAKDOWN	DID YOU CHECK PREVENTER EQUIPMENT
TOTCO; FISHING; CIRCULATING; CASING; W.O.C.; D.S. TESTING; LOGGING; W.O. ORDERS; RIG REPAIRS; RIG MAINTENANCE; MISCELLANEOUS; CONDITION HOLE; REAMING CLEANING; WORKING PIPE; JUST CIRC.	YES [check]

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

(300 bks.-6-65)

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 56

1015 Beach Blvd 647

Lsd Sec Twn Twp W Contractor: 110-5

Month: July Day: 2

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m To: 4:00 p.m 3rd Tour From: 4:00 p.m To: 12:00 p.m

From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation
38			17 1/2	STB 7.68				17 1/2	STB 7.68	1130			17 1/2	STB 7.68
D.P.	Stands	Singles	Kelly	Drill Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles
1/2	12	-	DOWN	767.30	REAR 5R401	4 1/2	13	-	15	767.30	REAR 5R401	4 1/2	14	-
L	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL	Number	OD
AR	6	11	3	28.20	DRILLING STRING	DRILL COLLARS	6	11	3	28.20	DRILLING STRING	DRILL COLLARS	6	11
A	19	6 3/4	2 3/8	569.40	116 M	81 M	19	6 3/4	2 3/8	569.40	116 M	81 M	19	6 3/4
p.	Type	Time On Bit	Footage	WOB	RPM	Dep't	Total Footage	No.	Type	Time On Bit	Footage	WOB	RPM	Dep't
	1 1/2	8 1/2	76	15.18	110	1949	81	9	1 1/2	8 1/2	76	15.18	110	1949

Serial No. REAR 10322 Jet Conventional Bit Serial No. REAR 995R Jet Conventional

Nozzle Size 3-12 Bit Wear: T B G Nozzle Size 3-10 Bit Wear: T B G

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
1/2		100	2 1/2	1	6 1/2	5 1/2		75	8 1/2	180	6	8		70	8 1/2		

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
4:5	74+	10	10.4	10.5		12:00	48	1.5	10.5	10.5		1:46	75	10	10.4	10.5	
5:0	74+	10	10.4	10.5		2:00	47	1.5	10.5	10.5		1:57	75	10	10.4	10.5	
5:40	74+	10.4	10.5	10.5		3:00	47	1.5	10.5	10.5		2:47	75	10	10.4	10.5	

Core No. Depth In Footage Hours Run Depth Out Recovery Core No. Depth In Footage Hours Run Depth Out Recovery Core No. Depth In Footage Hours Run Depth Out Recovery

From	To	Hrs.	From	To	Hrs.	From	To	Hrs.
REAR 124	17 1/2	7	REAR 124	17 1/2	4.00	REAR 124	17 1/2	4.00
REAR 1873	1949	1	REAR 1873	1949	1	REAR 1873	1949	1
Check Kelly, work			Check Kelly, work			Check Kelly, work		
FINISH 10.247 Gauge Reamer 8 1/2			FINISH 10.247 Gauge Reamer 8 1/2			FINISH 10.247 Gauge Reamer 8 1/2		
SERVICE Rig			SERVICE Rig			SERVICE Rig		
TRIP IN HOPE			TRIP IN HOPE			TRIP IN HOPE		
REAR 124 TO 17 1/2			REAR 124 TO 17 1/2			REAR 124 TO 17 1/2		
1949 TO 2027			1949 TO 2027			1949 TO 2027		

Driller: [Signature] Driller: [Signature] Driller: [Signature]

CLASSES OF TIME BREAKDOWN: DRILLING, 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.

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

(300 bks.-6-65)

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 55

10 E Bloubauxen PWT

Lsd. Sec. Tw. Rge. W

Contractor *M.D. 3*

Month *July* Day *1*

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation
38			5-1/2	7.68	41	38		1 1/2	7.68	41	38		1 1/2	7.68

Stands	Singles	Kelly	Drill Collar Ft.	Core Bbl. Ft.	Stands	Singles	Kelly	Drill Collar Ft.	Core Bbl. Ft.	Stands	Singles	Kelly	Drill Collar Ft.	Core Bbl. Ft.
11	1		23	767.30	11	1		23	767.30	11	1		23	767.30

Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL
6	11	3	28.20	DRILLING STRING	6	11	3	28.20	DRILLING STRING	6	11	3	28.20	DRILLING STRING

DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL
COLLAR	6	11	3	28.20	DRILLING STRING	COLLAR	6	11	3	28.20	DRILLING STRING	COLLAR	6	11	3	28.20	DRILLING STRING

DATA	No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed	DATA	No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed
REAMER	33 1/2		40	12-15	80			208		REAMER	33 1/2		40	12-15	80			208	

Jet	Conventional	Jet	Conventional	Jet	Conventional
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Bit Serial No.	224504	Bit Serial No.	224505	Bit Serial No.	224505
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Nozzle Size	3-10	Nozzle Size	3-10	Nozzle Size	3-10
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Depth	Deviation	Depth	Deviation	Depth	Deviation
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HOURS	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURS	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURS	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
On Line	750	8 1/2	12	6	On Line	750	8 1/2	12	6	On Line	800	8	3	2

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
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47	9.4+	10.5	24.5	10.5	SPARTAN 1200	47	9.4+	10.5	24.5	10.5	SPARTAN 1200	47	9.4+	10.5	24.5	10.5	SPARTAN 1200
46	9.4+	10.5	24.5	10.5	check FINE SKIMMERS	46	9.4+	10.5	24.5	10.5	check FINE SKIMMERS	46	9.4+	10.5	24.5	10.5	check FINE SKIMMERS
44	1.1+	10.	6.2	10.30	check Fluid in Recovery Accumulator	44	1.1+	10.	6.2	10.30	check Fluid in Recovery Accumulator	44	1.1+	10.	6.2	10.30	check Fluid in Recovery Accumulator
50	7.4+	10.10.5	24.5	10.5	check Fluid in SWOLE 2nd	50	7.4+	10.10.5	24.5	10.5	check Fluid in SWOLE 2nd	50	7.4+	10.10.5	24.5	10.5	check Fluid in SWOLE 2nd

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery
1	26"					1	26"					1	26"				

From	To	Hrs.	From	To	Hrs.	From	To	Hrs.
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1823 TO 1863	12 1/4 TO 1 1/2	8	1863 - 1866	9 00	1	WAIT ON REAMERS	4	10 30	1 1/2
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1823 TO 1863	12 1/4 TO 1 1/2	8	1863 - 1866	9 00	1	TRIP IN TO REAM. 9 30 AM	7	10 30	1 1/2
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1823 TO 1863	12 1/4 TO 1 1/2	8	1863 - 1866	9 00	1	REAMERS TO 12 1/2	10 1/2	12	10 1/2
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1823 TO 1863	12 1/4 TO 1 1/2	8	1863 - 1866	9 00	1	1868 TO 1873	10 1/2	12	10 1/2
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1823 TO 1863	12 1/4 TO 1 1/2	8	1863 - 1866	9 00	1	1868 TO 1873	10 1/2	12	10 1/2
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1823 TO 1863	12 1/4 TO 1 1/2	8	1863 - 1866	9 00	1	1868 TO 1873	10 1/2	12	10 1/2
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1823 TO 1863	12 1/4 TO 1 1/2	8	1863 - 1866	9 00	1	1868 TO 1873	10 1/2	12	10 1/2
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1823 TO 1863	12 1/4 TO 1 1/2	8	1863 - 1866	9 00	1	1868 TO 1873	10 1/2	12	10 1/2
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1823 TO 1863	12 1/4 TO 1 1/2	8	1863 - 1866	9 00	1	1868 TO 1873	10 1/2	12	10 1/2
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1823 TO 1863	12 1/4 TO 1 1/2	8	1863 - 1866	9 00	1	1868 TO 1873	10 1/2	12	10 1/2
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1823 TO 1863	12 1/4 TO 1 1/2	8	1863 - 1866	9 00	1	1868 TO 1873	10 1/2	12	10 1/2
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1823 TO 1863	12 1/4 TO 1 1/2	8	1863 - 1866	9 00	1	1868 TO 1873	10 1/2	12	10 1/2
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1823 TO 1863	12 1/4 TO 1 1/2	8	1863 - 1866	9 00	1	1868 TO 1873	10 1/2	12	10 1/2
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1823 TO 1863	12 1/4 TO 1 1/2	8	1863 - 1866	9 00	1	1868 TO 1873	10 1/2	12	10 1/2
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(300 bks -6-65)

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 54

W.O.E. BLOW RIVER E47 Lsd Sec Tw n Rge W Contractor NAT 3 Month June Day 30

1st Tour From 12:00 Midnight To 8:00 a.m. 2nd Tour From 8:00 a.m To 4:00 p.m 3rd Tour From 4:00 p.m To 12:00 p.m

From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation
38			17 1/2	STABS BIT SUB 7.68 2.60	4 3/4			17 1/2	STABS BIT SUB 7.68 2.60	4 1/2			17 1/2	STABS BIT SUB 7.68 2.60

Size-D.P.	Stands	Singles	Kelly	Drill Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill Collar Ft.	Core Bbl. Ft.
4 1/2	9	2		13	767.30	4 1/2	10	1		11	767.30	4 1/2	11	-		33	767.30

L Number	OD	ID	Length	INDICATOR WEIGHT	OF TOTAL	DRILL Number	OD	ID	Length	INDICATOR WEIGHT	OF TOTAL	DRILL Number	OD	ID	Length	INDICATOR WEIGHT	OF TOTAL
1	11	9	3	29.20		1	11	9	3	29.20		1	11	9	3	29.20	

AR	Number	OD	ID	Length	INDICATOR WEIGHT	OF TOTAL	DRILLING STRING	DRILL COLLARS	AR	Number	OD	ID	Length	INDICATOR WEIGHT	OF TOTAL	DRILLING STRING	DRILL COLLARS
6	9	3	169.70						6	9	3	169.70					

A	Number	OD	ID	Length	INDICATOR WEIGHT	OF TOTAL	DRILLING STRING	DRILL COLLARS	A	Number	OD	ID	Length	INDICATOR WEIGHT	OF TOTAL	DRILLING STRING	DRILL COLLARS
19	6 3/4	2 7/8	569.40	113 M	81 M				19	6 3/4	2 7/8	569.40	113 M	81 M			

Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed	No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed
REAMER	9 1/2	57	15-18	84-88			62	7	REAMER	23 1/2	41	15	84			127

Serial No.	Jet	Conventional	Bit Serial No.	Jet	Conventional	Serial No.	Jet	Conventional
224504	<input type="checkbox"/>	<input type="checkbox"/>	224504	<input type="checkbox"/>	<input type="checkbox"/>	224504	<input type="checkbox"/>	<input type="checkbox"/>

Nozzle Size	Bit Wear	T	B	G	Nozzle Size	Bit Wear	T	B	G	Nozzle Size	Bit Wear	T	B	G
3-10					3-10					3-10				

Depth	Deviation	Depth	Deviation	Depth	Deviation

HOURS	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURS	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURS	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
On Line	700	8 1/2	180	6	On Line	700	8 1/2	180	6	On Line	700	8 1/2	180	6

Time	Visc.	Wt.	W L	pH	ADDITIVES - POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES - POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES - POUNDS
10:00	44	9.4	10.0	9.4	GEL-500 LBS	10:00	44	9.4	10.0	9.4	GEL-500 LBS	10:00	44	9.4	10.0	9.4	GEL-500 LBS

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery

From	To	Hrs.	From	To	Hrs.	From	To	Hrs.
12:00	8:00		12:00	8:00		12:00	8:00	

FROM	TO	REMARKS	FROM	TO	REMARKS	FROM	TO	REMARKS
1660	1717		1660	1717		1660	1717	

Driller	Driller	Driller
Phil Rowe		De Bony

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

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

IMPERIAL OIL LIMITED

WIDE BLW RIVER E47 Lsd. Sec. Tw. Rge. W Contractor NAT. 3 Month June Day 29

1st Tour From: **12:00** Midnight To: **8:00** a.m. 2nd Tour From: **8:00** a.m. To: **4:00** p.m. 3rd Tour From: **4:00** p.m. To: **12:00** p.m.

From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation							
38			17 1/2	STAB BIT SUB 2.60	4138			17 1/2	STAB BIT SUB 2.60	4138			17 1/2	STAB BIT SUB 2.60							
D.P.	Stands	Singles	Kelly	Drill Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill Collar Ft.	Core Bbl. Ft.				
1/2	8	-	14	767.30		4 1/2	8	2	13	767.30		4 1/2	9	-	8	767.30					
DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL				
COLLAR	1	11	9	3	28.20	DRILLING STRING	DRILL COLLARS	COLLAR	1	11	9	3	28.20	DRILLING STRING	DRILL COLLARS	COLLAR	1	11	9	3	28.20
DATA	19	6 3/4	2 7/8	569.40	112 M	81 M	DATA	19	6 3/4	2 7/8	569.40	112 M	81 M	DATA	19	6 3/4	2 7/8	569.40	112 M	81 M	
No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed	No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed				
6	REED	30	352	12	80	1561	352		6	REED	30	352	12	80	1561	352					

Serial No. 10332-995R Jet Conventional Bit Serial No. 995R Jet Conventional
 Nozzle Size 3-10 Bit Wear: T B G Nozzle Size 3-10 Bit Wear: T B G

HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
On Line	Circulating				
3 1/4		750	8 1/2	180	6

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
7:45	1.4	11.0	10.4	10.5	CAUSTIC - 20 LBS. SPARTON - 1000

Core No. Depth In Footage Hours Run Depth Out Recovery
 RIDGE TEMP 26°

From	To	Hrs.	From	To	Hrs.	From	To	Hrs.
REAMING	1531 TO 1561	12:00 2:45 2 3/4	TRIP IN	8:00 8:30 1/2		REAMING	1624 TO 1655	4:00 7:00 3 00
PIPE TRIP OUT	TOP	2:45	REAMING	12:40 TO 1:10	8:30 10:00 7 1/2	SLUG PIPE		7:00 7:15 15
MIN @ TOP OF DC CHECK BOP						TRIP OUT		7:15 8:15 1 00
DOWN STABS		5:30 2 3/4				CHANGE REAMER		8:15 8:30 15
CHANGE REAMER PICK UP STAB	5:30	2 3/4				SER RIG		8:30 8:45 15
CHANGE REAMER DRILL COLLARS						CLEAN REDOPE DRILL COLLARS		8:45 9:30 45
UP 14.		8:00 2 1/2				TRIP IN		9:30 10:30 1 00
						REAMING	1655 TO 1660	10:30 12:00 1 30

Driller: Phil Rowe Driller: De Gray

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

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

2 (300 bks.-6-65)

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 52

I.O.E. BLOW RIVER E 47 Lsd. Sec. Tw. Rge. W. Contractor NAT 3 Month June Day 28

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

1st Tour From: 12:00 Midnight To: 8:00 a.m.										2nd Tour From: 8:00 a.m. To: 4:00 p.m.										3rd Tour From: 4:00 p.m. To: 12:00 p.m.									
From	To	Hole Made	Bit Size	Formation	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	From	To	Hole Made	Bit Size	Formation	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	From	To	Hole Made	Bit Size	Formation	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
38			17 1/2	STAB	13.92					4138			17 1/2	STAB	13.92					4138			17 1/2	STAB	13.92				
D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.												
1/2	5	1	17	767.30		4 1/2	6	2	24	767.30		4 1/2	7	2	18	767.30													
DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL												
COLLAR	6	11	3	28.20	DRILLING STRING	DRILL COLLARS	COLLAR	6	11	3	28.20	DRILLING STRING	DRILL COLLARS	COLLAR	6	11	3	28.20	DRILLING STRING	DRILL COLLARS									
DATA	19	6 3/4	2 1/2	569.40	108 M	81 M	DATA	19	6 3/4	2 1/2	569.40	112 M	81 M	DATA	19	6 3/4	2 1/2	569.40	112 M	81 M									
Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled Reamed	No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled Reamed	No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled Reamed							
REED	11 1/2	68	12-15	84-90		105	5	REED	19 1/2	117	100	12	80	222	5	REED	17 1/2	100	12	80									

Serial No. Jet Conventional Bit Serial No. 995.R Jet Conventional

Nozzle Size 2-10 1-11 Bit Wear: T B G Nozzle Size 2-10 1-11 Bit Wear: T B G

1st Tour						2nd Tour						3rd Tour					
Line	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	Line	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	Line	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
2		725	8 1/2	180	6							744		900	8	168	

Time Visc. Wt. W L pH ADDITIVES — POUNDS

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
10:46	9.4	10.5	GEL -	500	LBS	11:42	1.4	11.2	10	10		11:47	1.4	10.5		500	LBS
10:46	9.1	10.5	KEARMAN -	50	LBS	11:41	1.1	11.2	10	10		12:00	4.5	1.4	11.5		
10:45	9.1	10.0	CR ALUM. -	17	LBS	12:47	7.11	10				12:00	17	9.4			
10:47	9.4	10.0	CAUSTIC -	50	LBS	2:50	7.1	10.5				10:46	9.4	10.5			
10:47	9.4	10.5															

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery
EDGE	TEMP	28°															

From To Hrs. From To Hrs. From To Hrs.

AMING 12:00 8:00 REAM 12:41 1:12 REAM 12:41 1:12 REAMING FROM 14:31 4:10 10:10 CON + SERVICING RIG 10:10 10:15 REAMING 14:31 TO 15:31 10:15 12:00

Driller Phil Rowe Driller De Henry

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.

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

(300 bks.-6-65)

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 51

10E BLOW RIVER E 47 Lsd..... Sec..... Twn..... Rge..... W..... Contractor MAT 3 Month JUNE Day 27

1st Tour From: **12:00** Midnight To: **8:00** a.m. 2nd Tour From: **8:00** a.m. To: **4:00** p.m. 3rd Tour From: **4:00** p.m. To: **12:00** p.m.

From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation		
38			17 1/2	SHOC SUB 8-83 STABS 13.92	4138			17 1/2	SHOC SUB 8-83 STABS 13.92	4138			17 1/2	STAB-1		
Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.		
3	1	5	767.30	BIT SUB 2.60	4	1	27	767.30	STABS 2.60	4	2	33	767.30	BIT SUB 2.60		
Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL		
6	11	3	28.20		6	11	3	28.20		6	11	3	28.20			
DRILLING STRING	DRILL COLLARS	DRILLING STRING		DRILL COLLARS	DRILLING STRING	DRILL COLLARS	DRILLING STRING		DRILL COLLARS	DRILLING STRING	DRILL COLLARS	DRILLING STRING		DRILL COLLARS		
19	6 3/4	2 1/2	569.40	107 M 81	19	6 3/4	2 1/2	569.40	110 81	19	6 3/4	2 1/2	569.40	106.11 81		
Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed	No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed
REAMER	16 1/4	70	10-15	75-90		133		RR 31	REAMER	23 1/4	70	10-15	80-1219	155		

Serial No. 10322 Jet Conventional Bit Serial No. 2-1041-11 Jet Conventional
 Nozzle Size 2-10 1-11 Bit Wear: T B G Nozzle Size SER-995R Bit Wear: T B

HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
On Line	Circulating	700	8 1/2	180	6

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
8:00	53	9.4		10.5	
10:00	53	9.4		10.5	
10:52	52	9.35		10.5	
050	50	9.35		10.5	

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery
EDGE TEMP		22°			

From	To	Hrs.	From	To	Hrs.	
DRILLING FROM 1077	TO 1147	12:00 8:00	8	REAMING 12 1/4 TO 17 1/2	8:00 5:00	7
				FROM 1147 TO 1217		
				TRIP OUT	3:00 4:00	1

Checked Kelly Cock. TRIP OUT CHANGE REAMERS CHECKED & CLEANED RE DOPE 9" DC CUT DRILLING LINE TRIP IN REAM 12 1/4 TO 17 1/2 FROM- 1219 TO 1246

Driller: Phil Rowe Driller: DeGray

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

Total Contract Timehrs. Total Company Timehrs. Toolpusher DeGray Approved by DeGray

IMPERIAL OIL LIMITED

LOC. BLOW RIVER E47 Lsd. Sec. Tw. Rpt. W. Contractor NAT 3 Month June Day 26

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

Table with columns for D.P., Stands, Singles, Kelly, Drill, Collar Ft., Core Bbl. Ft., Formation, and various drilling parameters for three tours.

Serial No. 10322 - 230R Jet [] Conventional [] Bit Serial No. 230R Jet [] Conventional []

Table with columns for HOURS, Pump Press, Length of Pump Stroke, Strokes Per Min., and Liner Size for three tours.

Table with columns for Time, Visc., Wt., W L, pH, and ADDITIVES - POUNDS for three tours.

Table with columns for Core No., Depth In, Footage, Hours Run, Depth Out, and Recovery for three tours.

Table with columns for From, To, Hrs. and descriptions of activities like TRIP IN, REAM, and TRIP OUT.

Driller: Phil Rowe Driller: [Signature] Driller: De Gray

CLASSES OF TIME BREAKDOWN: TOTCO, FISHING, CIRCULATING, CONDITIONING MUD, CASING, LOGGING, RIG MAINTENANCE, REAMING CLEANING, DID YOU CHECK PREVENTER EQUIPMENT

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

(300 bks.-6-65)

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. **49**

HOE V-E-47

Lsd..... Sec..... Twn..... Rge..... W..... Contractor **NAT 3** Month **JUNE** Day **25**

1st Tour From: **12:00 Midnight To: 8:00 a.m.** 2nd Tour From: **8:00 a.m. To: 4:00 p.m.** 3rd Tour From: **4:00 p.m. To: 12:00 p.m.**

From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation			
88			17 1/2	BIT 508 260	890	894	4	17 1/2	260	894			17 1/2	BIT 508 260			
Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.			
2	-	25	678.54		4 1/2	1	2	12	678.54	4 1/2	1	2	11	678.54			
Drill. Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	Drill. Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	Drill. Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL			
1	11"	9"	3	2990	1	11"	9"	3	28.70	1	11"	9"	3	28.70			
Collar	6	6 3/4	278	480.30	92	6	6 3/4	278	480.30	92	6	6 3/4	278	480.30			
Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed			Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed
REAMER	5	40	18-20	100		40				REAMER	7 1/4	4	65	897			

Serial No. **230R** Jet Conventional Bit Serial No. **230R-795R** Jet Conventional
 Nozzle Size **3-12** Bit Wear: T B G

HOURS						Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
On Line	Circulating								
		400	8 1/2	170	6				
		73		2 1/2	170				
		5 1/4		750	4 1/2	170			

Time	Visc.	Wt.	W L	pH	ADDITIVES - POUNDS
4:00	9.4	10	8FL	500	105
4:47	9.4	10	KELGAN	50	105
5:49	9.4	10	OR NUM.	17	105
6:48	9.4	10	CAUSTIC	50	105

Core No. **016-08** Depth In **160** Footage **160** Hours Run **160** Depth Out **160** Recovery **100%**

From	To	Hrs.	From	To	Hrs.	From	To	Hrs.	
12:00	1:30	1 1/2	REAMING	890	900	1	12:00	1:30	1 1/2
1:30	3:00	1 1/2	TRIP OUT	900	1000	1	1:30	3:00	1 1/2
3:00	8:00	5	SETTING RIG - CHECK SAYS	1000	1000	0	3:00	8:00	5
			CHANGE 12 1/2" TO 17 1/2"						
			TRIP IN	12 1/2"	2				
			SET BACK 7-1/2" & RUN 1000'						
			TRIP IN	12 1/2"	1 1/2				
			SET BACK 7-1/2" & RUN 1000'						
			TRIP IN	12 1/2"	2				

Driller: **Phil Rowe** Driller: **De Bray**

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.

Total Contract Timehrs. Total Company Timehrs. Toolpusher **De Bray** Approved by **De Bray**

DID YOU CHECK PREVENTER EQUIPMENT? YES NO

(300 bks.-6-65)

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. **48**

IDE BLOW RIVER YTE47

Lsd. **2** Sec. **10** Twn. **10N** Rge. **15W**

Contractor **NAT 3** Month **JUNE** Day **24**

1st Tour From: **12:00** Midnight To: **8:00** a.m. 2nd Tour From: **8:00** a.m. To: **4:00** p.m. 3rd Tour From: **4:00** p.m. To: **12:00** p.m.

From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation
38			12 1/4		4138			12 3/4		4138				

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

L	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	

AR	DRILLING STRING				DRILL COLLARS				COLLAR	DRILLING STRING				DRILL COLLARS			

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

Serial No.	Jet	Conventional	Bit Serial No.	Jet	Conventional	Nozzle Size	Bit Wear: T B G
	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>		

Depth	Deviation	Depth	Deviation	Depth	Deviation

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

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

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	
LOGE	TEMP	18°																

From	To	Hrs.	From	To	Hrs.	From	To	Hrs.
------	----	------	------	----	------	------	----	------

WAIT ON LOGGERS **LOGGING**

LOW OUT DRILL @ 6:45

LOGGING TO LOG / JUNE 18 8:00 3:00 7
RUN IN 17 STANDS 3:00 3:30 1/2
RIG UP TO LAY DOWN 3:30 4:00 1/2

PREPARING TO LAY DOWN 4:30
4 1/2 DRILL PIPE 5:45
LAYING DOWN 4 1/2 P. PIPE 5:45 7:45
WELDING PILOT BIT 9:45
ON REAMERS 12:30
PIPER REAMERS
14:45 5:00 15:00

Driller: **Phil Rowe** Driller: **Robert C.** Driller: **De Gray**

CLASSES OF TIME BREAKDOWN

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

Total Contract Timehrs. Total Company Timehrs. Toolpusher Approved by

2 (300 bks.-6-65)

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 46

JOE Blow River Lsd. Sec. Tw. Age W Contractor JOE R. G. 3 Month June Day 23

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

1st Tour						2nd Tour						3rd Tour								
From	To	Hole Made	Bit Size	Formation		From	To	Hole Made	Bit Size	Formation		From	To	Hole Made	Bit Size	Formation				
38			12			4138			12 1/4			4138								
D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.			
2	35	2	23	767.64	BITS & B26	4 1/2	35	2	23	767.64										
LL	Number	OP	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL			
LAR	6	9	3	2620	DRILLING STRING	DRILL COLLARS	COLLAR	2	9	3	2820	DRILLING STRING	DRILL COLLARS	COLLAR					DRILLING STRING	DRILL COLLARS
TA	19	6 3/4	2 3/8	569.4	1460	84 M	DATA	19	6 3/4	2 3/8	569.4	146	84	DATA						
o.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed	No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed			
o	MHWG								RR 30	MHWG										

Serial No. 224504 Jet Conventional Bit Serial No. 224504 Jet Conventional
 Nozzle Size 3-13 Bit Wear: T B G Nozzle Size 3-13 Bit Wear: T B G

1st Tour						2nd Tour						3rd 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	On Line	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
		1825	2 1/2	165	6	5		1825	8 1/2	165	6						

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
am 4:3	9.8	9.2	10			8:00	13	9.4	10.0								
						10:30	12	9.9	10.0								
						12:30	7	9.4	10.0								

Core No. Depth In Footage Hours Run Depth Out Recovery Core No. Depth In Footage Hours Run Depth Out Recovery Core No. Depth In Footage Hours Run Depth Out Recovery

From	To	Hrs.	Notes	From	To	Hrs.	Notes	From	To	Hrs.	Notes
12	2:15	2 1/4	MEASURE PIPE & MAKE HOLE LOGGING	3:00	1:00	5	WAIT ON LOGGING TOOLS. CIRCULATE	4:00	4:00	12	REMOVE SHAFFER
2:15	3	3/4	LAY DOWN LOGGING TOOLS	1:00			SLUG PIPE + TRIP OUT. CHECK BOP	10:00	10:00	10	INSTALL FLOW LINE
3	5	2	RUN IN HOLE MEASURE	3:30	2 1/2		STOP 10 MIN @ TO - DE PC	10:00	12:00	12	WAITING ON LOGGERS
5	8	3	CLEAN TO BOTTOM AND CIRC	3:30	4:00		PREPARE TO TAKE OUT SHAFFER				
			WAIT ON LOGGING TOOLS								

Driller: Phil Rawns Driller: Phil Rawns Driller: De Gray

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

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

1st Tour From: **12:00** Midnight To: **8:00** a.m. 2nd Tour From: **8:00** a.m. To: **4:00** p.m. 3rd Tour From: **4:00** p.m. To: **12:00** p.m.

From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation		
4132			12 1/4	SHOCK SUB	4132			12 1/4	SHOCK SUB	4132						
Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
35	-	5	968.99	10.71	4 1/2	35	-	5	768.99	10.71	4 1/2	35	-	5	768.99	10.71
Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL		
6	4	3	165.94	DRILLING STRING DRILL COLLARS	6	4	3	165.94	DRILLING STRING DRILL COLLARS	6	4	3	165.94	DRILLING STRING DRILL COLLARS		
19	6 3/4	2 1/4	564.77	152 M 86 M	19	6 3/4	2 1/4	564.77	152 M 86 M	19	6 3/4	2 1/4	564.77	152 M 86 M		
Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed	No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed
M4 1/4		15	75			12		30	M4NG							

Jet Conventional
 Bit Serial No. **224504** Jet Conventional
 Nozzle Size **3-13** Bit Wear: T B G

HOURS	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURS	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURS	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
On Line					On Line					On Line				
4	1700	52	165	6										

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	
					WEIGHT = 2000 lbs													
5:45		9.5		10														

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	
4120	12	3 3/4	4:32	7		FRIDGE	TEMP	18°										

From	To	Hrs.	From	To	Hrs.	From	To	Hrs.
LOG pipe Tripout	12		TRIP OUT CHECK BOHS STOP	8:00		LOGGING	4:12	
10 min DC			10 MIN @ TOP OF D.C.	10:00	2			
Ream - Core #5 Lay Bbl	2:15	2 1/4	LAY DOWN STABS: SHOCK SUB +	10:00				
	3:30	1 1/4	REAMERS + 11" D.C.	11:00	1			
Service RIG BOPS	3:30	4 1/2	BLOW OUT DRILL	11:00	1 1/2			
Run 1st to Ream	4:45	1 1/4	RIG UP TO LOG	11:15	1 1/2			
Reaming 8 1/4 to 12 1/4	5:45	7 1/4	LOGGING	11:30	4 1/2			
CIRC TO LOG	7:00	1 1/2						
LOG pipe Tripout	7:30	9						

Driller: **C. E. Edwards** Driller: **Phil Rowe** Driller: **PAT O'CONNOR**

CLASSES OF TIME BREAKDOWN: DRILLING, FISHING, CIRCULATING, CONDITIONING MUD, TRIPPING, CORING, CASING, W.O.C., D.S. TESTING, LOGGING, W.O. ORDERS, RIG REPAIRS, RIG MAINTENANCE, MISCELLANEOUS, CONDITION HOLD, FLAMING CLEANING, WORKING PIPE, LOST CIRC. DID YOU CHECK PREVENTER EQUIPMENT? YES NO

Total Contract Timehrs. Total Company Timehrs. Toolpusher **Phil Rowe** Approved by **Phil Rowe**

IMPERIAL OIL LIMITED

IOE Blow River F.H. Lsd. Sec. Tw. Sp. W. Contractor IOE RIG 3 Month June Day 21

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

Table with columns for From, To, Hole Made, Bit Size, Formation, Reamers, Stands, Singles, Kelly, Drill Collar Ft., Core Bbl. Ft., Size-D.P., Stands, Singles, Ke, Drill Collar Ft., Core Bbl. Ft., Size-D.P., Stands, Singles, Kelly, Drill Collar Ft., Core Bbl. Ft.

Table with columns for Serial No., Jet, Conventional, Nozzle Size, Bit Wear, Deviation, Depth

Table with columns for HOURS, On Line, Circulating, Pump Press, Length of Pump Stroke, Strokes Per Min., Liner Size

Table with columns for Time, Visc., Wt., W L, pH, ADDITIVES - POUNDS

Table with columns for Core No., Depth In, Footage, Hours Run, Depth Out, Recovery

Table with columns for From, To, Hrs., DRILLING, SURVEY, DRILLING, CIRCULATE, SLUG PIPE TRIP OUT CHECK, B.O.R.S. STOP 10 MIN W/ DRIP D.C., SERVICE RIG, PICK UP CORE BARREL, CHANGE SHIMS ON FLOW NIPPEL

Driller: A. Clements Driller: Phil Rowe Driller: PAT O'CONNOR

Table with columns for DRG. OUT: CLASSES OF TIME BREAKDOWN, CASING, LOGGING, RIG MAINTENANCE, REAMING CLEANING, DID YOU CHECK PREVENTER EQUIPMENT

Total Contract Time Total Company Time Total pusher Approved by

IMPERIAL OIL LIMITED

IOE Blow River E 47 Lsd. Sec. Twn. Rge. W. Contractor IOE R. 03 Month June Day 20

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

Table with columns for Hole Made, Bit Size, Formation, Stands, Singles, Kelly, Drill, Collar Ft., Core Bbl. Ft., etc. for three tours.

Jet [checked] Conventional [] Bit Serial No. EE 734 Nozzle Size 3-13

Table with columns for HOURS, Pump Press, Length of Pump Stroke, Strokes Per Min., Liner Size.

Table with columns for Time, Visc., Wt., W L, pH, ADDITIVES - POUNDS.

Table with columns for Core No., Depth In, Footage, Hours Run, Depth Out, Recovery.

Table with columns for From, To, Hrs. and activity descriptions like DRILLING, SURVEY.

Driller: A. Clemente Phil Rowe PAT O'CONNOR

CLASSES OF TIME BREAKDOWN: TOTCO, FISHING, CIRCULATING, etc.

Total Contract Time, Total Company Time, Toolpusher, Approved by

IMPERIAL OIL LIMITED

IOE Blaw River Lsd. Sec. Tw. Rge W Contractor IOE R.G.3 Month June Day 19

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

Table with columns for From, To, Hole Made, Bit Size, Formation, Stands, Singles, Kelly, Drill Collar Ft., Core Bbl. Ft., Size-D.P., Stands, Singles, Kelly, Drill Collar Ft., Core Bbl. Ft., No., Type, Time On Bit, Footage, WOB, RPM, Depth Pulled, Total Footage, Drilled, Reamed.

Serial No. 52160 Jet [X] Conventional [] Bit Serial No. 52160-EE734 Jet [X] Conventional [] Bit Serial No. EE734 Jet [X] Conventional []

Table with columns for HOURS, Pump Press, Length of Pump Stroke, Strokes Per Min., Liner Size, On Line, Circulating, Deviation.

Table with columns for Time, Visc., Wt., W L, pH, ADDITIVES - POUNDS.

Table with columns for Core No., Depth In, Footage, Hours Run, Depth Out, Recovery.

Table with columns for From, To, Hrs., Description of activities like DRILLING, TRIP OUT, SERVICE, etc.

Driller: [Signature] Driller: Phil Rowe Driller: PAT O'CONNOR

Table with columns for CLASSES OF TIME BREAKDOWN: TOTCO, FISHING, CIRCULATING, etc.

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

IMPERIAL OIL LIMITED

TOE Blow River

Lsd. Sec. Twn. Rge. W. Contractor

Month JUNE Day 18

1st Tour From: 12:00 Midnight To: 8:00 a.m.										2nd Tour From: 8:00 a.m. To: 4:00 p.m.										3rd Tour From: 4:00 p.m. To: 12:00 p.m.															
From		To		Hole Made		Bit Size		Formation		From		To		Hole Made		Bit Size		Formation		From		To		Hole Made		Bit Size		Formation							
183		3505		22		12 1/4		STAYS		3505		3575		70		1 1/4		STAYS		3575		3656		81		12 1/4		STAYS							
D.P.		Stands		Singles		Kelly		Drill. Collar Ft.		Size-D.P.		Stands		Singles		Kelly		Drill. Collar Ft.		Size-D.P.		Stands		Singles		Kelly		Drill. Collar Ft.							
2		28		2		5		738.91		4 1/2		29		1		18		758.91		4 1/2		30		1		31		768.91							
L		Number		OD		ID		INDICATOR WEIGHT OF TOTAL		DRILL		Number		OD		ID		INDICATOR WEIGHT OF TOTAL		DRILL		Number		OD		ID		INDICATOR WEIGHT OF TOTAL							
6		8		3		165.94		DRILLING STRING		6		9		3		165.94		DRILLING STRING		6		9		3		165.94		DRILLING STRING							
A		19		6 3/4		2 3/4		564.77		19		6 3/4		2 3/4		564.77		142		19		6 3/4		2 3/4		564.77		142							
p.		Type		Time On Bit		Footage		WOB		RPM		Depth Pulled		Total Footage Drilled		Reamed		No.		Type		Time On Bit		Footage		WOB		RPM		Depth Pulled		Total Footage Drilled		Reamed	
8		ODV		3		22		15		120										28		ODV		10		70		15-25		120		70			

Serial No. 52160 Jet Conventional
 Bit Serial No. 52160 Jet Conventional
 Nozzle Size 3-13 Bit Wear: T B G
 Nozzle Size 3-13 Bit Wear: T B G

HOURS						Pump Press						Length of Pump Stroke						Strokes Per Min.						Liner Size											
On Line		Circulating		Pump Press		Length of Pump Stroke		Strokes Per Min.		Liner Size		On Line		Circulating		Pump Press		Length of Pump Stroke		Strokes Per Min.		Liner Size		On Line		Circulating		Pump Press		Length of Pump Stroke		Strokes Per Min.		Liner Size	
3				1700		8 1/2		170		6		7				1700		8 1/2		170		6		2				1700		13.5		11		26	

ADDITIVES - POUNDS										ADDITIVES - POUNDS										ADDITIVES - POUNDS									
Time		Visc.		Wt.		W L		pH		Time		Visc.		Wt.		W L		pH		Time		Visc.		Wt.		W L		pH	
42		9.5		9.8		10.5		10.5		8:12		43		9.45		10.5		10.5		4:10		43		1.1		7.5		2.5	
43		9.5				10.5		10.5		10:00		43		9.45		10.5		10.5		6:12		43		1.1		7.5		2.5	
										12:00		43		9.45		10.5		10.5		8:37		43		7.5		14		4.1	
										2:50		43		9.4		10.5		10.5		10:3		43		7.5		10		10	

Core No. Depth In Footage Hours Run Dep'n Out Recovery						Core No. Depth In Footage Hours Run Depth Out Recovery						Core No. Depth In Footage Hours Run Depth Out Recovery					
--------------------------------------------------------	--	--	--	--	--	--------------------------------------------------------	--	--	--	--	--	--------------------------------------------------------	--	--	--	--	--

From To Hrs.			From To Hrs.			From To Hrs.		
LAY DOWN DRILLING TOOLS 12:00			DRILLING 8:00 9:00 1			DRILLING 4:50 5:00 10		
AND PICK UP AGAIN 2:00			CIRCULATE + SURVEY 9:00 9:30 1/2			TOTAL 5:00 5:30 10		
RUN IN HOLE 3:00 5:00 2			DRILLING 9:30 2:00 4 1/2			CHANGE PUMPS 5:30 5:45 10		
DRILLING 2 8 3			SURVEY 2:00 2:30 1/2			DRILLING 5:45 11:15 11		
			DRILLING 2:30 4:00 1 1/2			TOTAL 11:15 11:45 12		
Driller: C. C. ...			Driller: Phil Rowe			Driller: P. A. ...		

CLASSES OF TIME BREAKDOWN
 DRILLING: ...
 TOTAL CONTRACT TIME ... hrs. TOTAL COMPANY TIME ... hrs. TOOLTIPUSHER ... Approved by ...

APPROVED BY: [Signature]

(300 bks.-6-65)

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 2

TOF Blow River Lsd. Sec. Twn. Rge. W. Contractor Month June Day 11

1st Tour From: **12:00** Midnight To: **8:00** a.m. 2nd Tour From: **8:00** a.m. To: **4:00** p.m. 3rd Tour From: **4:00** p.m. To: **12:00** p.m.

From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation				
401					3401	3444	43	12 1/4	STABS REAMERS	3444	3483	39	12 1/4	REAMERS				
D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	
	27	1	12	743.23		4 1/2	27	2	8	768.99	6.508 10.71 SHOCK SUB 8.83	4 1/2	27	1	31	762.99		
L	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	
AR	25	6 3/4	2 3/8	743.23		COLLAR	26	11	3	38.28		COLLAR	26	11	3	38.28		
A					DRILLING STRING	DRILL COLLARS					DRILLING STRING	DRILL COLLARS					DRILLING STRING	DRILL COLLARS
	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed										

Serial No. Jet Conventional Bit Serial No. DF384 Jet Conventional

Nozzle Size 3-13 Bit Wear: T B G Nozzle Size 3-13 Bit Wear: T B G

HOURS						Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
On Line	Circulating								
3 3/4					1950	8 1/2	160	6	

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
1:00	43	9.4		9.5	CEL - 500 LBS.
3:00	43	9.4		9.5	KURAN - 50 LBS
					CR MUD - 17 LBS
					DOWN R - 20 LBS
					PASTIRAD. PAUSTIC - 50 LBS

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery

From	To	Hrs.	From	To	Hrs.
12	3	3	8:00	8:30	1/2
3	4	1	8:30	8:45	1/4
4	4:30	1/2	8:45	1:45	1
4:30	5:30	1	1:45	12:00	2 1/4
5:30	6:30	1	12:00	1:30	1/2
6:30			1:30	1:45	1/4
8	12		1:45	4:00	2 1/4

Driller: A. Clements Driller: Phil Payne Driller: PAT O'CONNOR

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

Total Contract Timehrs. Total Company Timehrs. Toolpusherhrs. Approved by

DID YOU CHECK PREVENTER EQUIPMENT? YES NO

IMPERIAL OIL LIMITED

10E Blow River

Lsd. Sec. Tw. Rge. W. Contractor NAT 3

Month June Day 16

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

Table with columns for From, To, Hole Made, Bit Size, Formation, Stands, Singles, Kelly, Drill. Collar Ft., Core Bbl. Ft., Size-D.P., etc. Includes handwritten entries for 12 1/4 Stabs Reamer 494 and 12 1/4 Reamer 494.

Table with columns for Serial No., Jet, Conventional, Nozzle Size, Bit Wear, etc. Includes handwritten entries for Serial No. 576406 and Nozzle Size 3-13.

Table with columns for HOURS, Pump Press, Length of Pump Stroke, Strokes Per Min., Liner Size. Includes handwritten entries for 1800 pump pressure and 8 1/2 length of pump stroke.

Table with columns for Time, Visc., Wt., W L, pH, ADDITIVES - POUNDS. Includes handwritten entries for 9.5 viscosity and 1000 weight.

Table with columns for Core No., Depth In, Footage, Hours Run, Depth Out, Recovery. Includes handwritten entries for Core No. 3401 and Depth In 12 1/4.

Table with columns for From, To, Hrs. Includes handwritten entries for 'COVER COR LAY DOWN BBL' and 'CHECKING FLOW'. Includes a large handwritten '8' at the bottom.

Driller: H. Mac Gowan Driller: A. Clemente Driller: Phil Rowe

Table with columns for CLASSES OF TIME BREAKDOWN: TOTCO, FISHING, CIRCULATING, etc. Includes checkboxes for 'DID YOU CHECK PREVENTER EQUIPMENT' and 'YES'.

Total Contract Timehrs. Total Company Timehrs. Toolpusher Approved by

(300 bks.-6-65)

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 38

ICE BLOW RIVER Lsd. Sec. Tw. Rge. W. Contractor NAT 3 Month June Day 15

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

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

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

From	To	Hole Made	Bit Size	Formation					
593388	29	12 1/4	REAMERS	STABS 1398 REAMERS 1258					
D.P.	Standards	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.				
27	1	32		768.99	CS sub 1071 STUCK SUB 883				
DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL				
2	11	3	3	3828	165.94				
COLLAR	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL				
19	6 1/2	2 3/8	2 3/8	564.77	142.17				
DATA	No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed
5	YAWB	5 3/4	29	50	110				15

From	To	Hole Made	Bit Size	Formation					
3388	3389	1	12 1/4	STABS 1398 REAMERS 1258					
D.P.	Standards	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.				
4 1/2	27	1		30	49.99				
DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL				
2	11	3	3	3828	165.94				
COLLAR	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL				
19	6 1/2	2 3/8	2 3/8	564.77	142.17				
DATA	No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed
26	YAWB	6	30	110	300				30

From	To	Hole Made	Bit Size	Formation					
3389	3401	12	8 1/2	REAMERS					
D.P.	Standards	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.				
4 1/2	27	-		19	768.99				
DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL				
2	11	3	3	3828	165.94				
COLLAR	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL				
19	6 1/2	2 3/8	2 3/8	564.77	142.17				
DATA	No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed
3	DIA	4 3/4	12	10-20	80-85				3401

Serial No. 662438 Jet Conventional

Bit Serial No. 662435 - 1007502 Jet Conventional

Bit Serial No. EC5021 Jet Conventional

Nozzle Size 3-13 Bit Wear: T B G

Nozzle Size Bit Wear: T B S G

Nozzle Size Bit Wear: T B

Deviation 6 1/2

Deviation

Deviation

HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
On Line	Circulating				
7 1/4		1800	8 1/2	165	6"

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

HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.
On Line	Circulating			
5		1150	8 1/2	155

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
3:00	46	9.4		10	CAUSTIC 50 lbs DOWCORB-15 lbs
4:00	41	9.44		10	KELGAN 50 lbs
4:47	9.41	9.8	10.5		GEL-500 lbs

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
3:00	47	9.5			SPARTON 1000

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
5:00	43	9.5		10	CAUSTIC - 100
8:00	45	9.5		10	GEL - 500
					KELGAN - 50
					DOWCORB - 10
					SPARTON 1000 OR 914M - 17

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery
4	3389	12	4 3/4	3401	10

MP ReFRIDGE UNIT 2°	From	To	Hrs.
UNDER GAUGE hole	12:00	1:20	1 1/2
DRILLING	1:30	7:15	5 3/4
RC - TOICO 3381	6 1/2	7:15	8:20

MP ReFRIDGE UNIT 2°	From	To	Hrs.
DRILLING	8:20	7:15	1 1/4
SLUG PIPE + TRIP IN	7:15	7:15	0
4 1/2" ID DC	7:15	7:15	0
SERVICE LINE	10:45	11:45	1
RUN DOWN	11:45	11:45	0
NO orders	11:45	12:15	3
pull DC	12:15	12:15	0
TRIP IN	12:15	12:20	5
	12:20	12:20	0

MP ReFRIDGE UNIT 2°	From	To	Hrs.
TRIP IN WITH CORE BARREL	4:00	4:45	45
CIRCULAT + DROP BALL	4:45	5:00	15
CORING	5:00	9:45	4:45
SLUG PIPE + TRIP OUT CHECK	9:45	9:45	0
FOR FLOW DOWN TOP DC	12:00	12:00	0

Driller: Phil Rawle

Driller: Phil Rawle

Driller: Phil Rawle

CLASSES OF TIME BREAKDOWN: TOTCO, FISHING, CIRCUATING, 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.

Total Contract Time hrs. Total Company Time hrs. 1 flusher Cuffed Nipper Approved by

IMPERIAL OIL LIMITED

106 Blow River

Lsd..... Sec..... Tw..... Ge..... W.....

Contractor NAT 3

Month June Day 14

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

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

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

Table with columns: From, To, Hole Made, Bit Size, Stands, Singles, Kelly, Drill Collar Ft., Core Bbl. Ft., DRILL Number, OD, ID, Length, INDICATOR WEIGHT OF TOTAL, COLLAR, DATA, No., Type, Time On Bit, Footage, WOB, RPM, Depth Pulled, Total Footage Drilled, Reamed.

Table with columns: From, To, Hole Made, Bit Size, Stands, Singles, Kelly, Drill Collar Ft., Core Bbl. Ft., DRILL Number, OD, ID, Length, INDICATOR WEIGHT OF TOTAL, COLLAR, DATA, No., Type, Time On Bit, Footage, WOB, RPM, Depth Pulled, Total Footage Drilled, Reamed.

Table with columns: From, To, Hole Made, Bit Size, Stands, Singles, Kelly, Drill Collar Ft., Core Bbl. Ft., DRILL Number, OD, ID, Length, INDICATOR WEIGHT OF TOTAL, COLLAR, DATA, No., Type, Time On Bit, Footage, WOB, RPM, Depth Pulled, Total Footage Drilled, Reamed.

Serial No. NB 597 Jet Conventional

Bit Serial No. NB 697 Jet Conventional

Bit Serial No. A8577-662438 Jet Conventional

Nozzle Size 3-13 Bit Wear: T..... B..... C.....

Nozzle Size 3-13 Bit Wear: T..... B..... G.....

Nozzle Size 3-13 - 3-13 Bit Wear: T 8 B 8

Table with columns: HOURS, Pump Press, Length of Pump Stroke, Strokes Per Min., Liner Size.

Table with columns: HOURS, Pump Press, Length of Pump Stroke, Strokes Per Min., Liner Size.

Table with columns: HOURS, Pump Press, Length of Pump Stroke, Strokes Per Min., Liner Size.

Table with columns: Time, Visc., Wt., W L, pH, ADDITIVES - POUNDS.

Table with columns: Time, Visc., Wt., W L, pH, ADDITIVES - POUNDS.

Table with columns: Time, Visc., Wt., W L, pH, ADDITIVES - POUNDS.

Table with columns: Core No., Depth In, Footage, Hours Run, Depth Out, Recovery.

Table with columns: Core No., Depth In, Footage, Hours Run, Depth Out, Recovery.

Table with columns: Core No., Depth In, Footage, Hours Run, Depth Out, Recovery.

Table with columns: From, To, Hrs., Description of activities like 'Refridge UNIT 4', 'WORK ON WT INDICATORS', etc.

Table with columns: From, To, Hrs., Description of activities like 'picking up and on Kingline', 'DRILLING', etc.

Table with columns: From, To, Hrs., Description of activities like 'DROP SURVEY', 'SLUG PIPE + TRIP OUT', etc.

Driller: [Signature]

Driller: [Signature]

Driller: Paul Power

CLASSES OF TIME BREAKDOWN: TOTCO, FISHING, CIRCUATING, CONDITIONING MUD, TRIPPING, CORING, CASING, W.O.C, D.S. TESTING, LOGGING, RIG REPAIRS, RIG MAINTENANCE, MISCELLANEOUS, CONDITION HERE, REAMING CLEANING, WORKIN PIPE, LOST CIRC, DID YOU CHECK PREVENTER EQUIPMENT, YES L - NO

Total Contract Timehrs. Total Company Timehrs. Toolpusher Approved by

2 (300 bks.-6.65)

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 36

10E Blow River Lsd. Sec. Tw n Rge W Contractor NAT 3 Month JUNE Day 12

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m. 31

Table with columns for From, To, Hole Made, Bit Size, Formation, Stands, Singles, Kelly, Drill Collar Ft., Core Bbl. Ft., Reamers, etc. for three tours.

Table with columns for Jet, Conventional, Nozzle Size, Bit Wear, Deviation.

Table with columns for HOURS, Pump Press, Length of Pump Stroke, Strokes Per Min., Liner Size.

Table with columns for Time, Visc., Wt., W L, pH, ADDITIVES - POUNDS.

Table with columns for Core No., Depth In, Footage, Hours Run, Depth Out, Recovery.

Table with columns for From, To, Hrs. and descriptions of drilling activities like 'DRILLING JAMMED', 'Pick up Reamer Shank', etc.

Table with columns for CLASSES OF TIME BREAKDOWN: TOTCO, FISHING, CIRCULATING, etc.

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

(300 bks.-6-65)

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 20

10E Blow River

Lsd. Sec. Tw. Rge. W. Contractor NAT 3 Month JUNE Day 11

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

From	To	Hole Made	Bit Size	Stabs	Formation	Core Bbl. Ft.	From	To	Hole Made	Bit Size	Stabs	Formation	Core Bbl. Ft.	From	To	Hole Made	Bit Size	Stabs	Formation	Core Bbl. Ft.
16	3085	69	12 1/4	4	Double Pin Sub 1.98	13.91	3085	3168	83	12 1/4	4	Double Pin Sub 1.98	13.91	3168	3173	3105	8 1/4	4	Double Pin Sub 1.98	13.91
Standards	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Standards	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Standards	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Standards	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	
24		21	768.79	10.71	24		2	768.79	10.71	24		2	768.79	10.71	4 1/2	24	2	26	768.79	10.71

DRILL Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL
6	9"	3"	38.28	165.74	6	9"	3"	38.28	165.74	6	9"	3"	38.28	165.74
19	6 3/4"	2 3/4"	56.47	134 M	19	6 3/4"	2 3/4"	56.47	134 M	19	6 3/4"	2 3/4"	56.47	145 M

Line	Time On	Bit	Footage	WOB	RPM	Depth Pulled	Total Footage	Drilled	Reamed
7	1800	8 1/2	165	6"					

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
9:47	4.5	9.5	10.5	10.5	SPARTAN 1000
10:45	4.4	9.5	10.5	10.5	CAUSTIC-100 lbs
12:00	4.4	9.5	10.5	10.5	Downside R-10 lbs

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery
3	3168				

Temp	Refridge Unit	From	To	Hrs.
Temp	Refridge Unit 4°			
3:00		3:00	3:00	3
3:45		3:45	3:45	3
6:45		6:45	6:45	3
7:25		7:25	7:25	3
8:00		8:00	8:00	3

Driller	Driller	Driller
	Calderon	Vic Bugera

CLASSES OF TIME BREAKDOWN	CASING:	LOGGING:	RIG MAINTENANCE:	REAMING CLEANING:	DID YOU CHECK PREVENTER EQUIPMENT?
TOTCO: CONDITIONING MUD: FISHING: TRIPPING: CIRCUATING:	W.O.C. D.S. TESTING:	W.O. ORDERS: RIG REPAIRS:	MISCELLANEOUS: CONDITION HOLES:	WORKING PIPE: LOST CIRC.:	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
Total Contract Time	Total Company Time	Toolpusher	Approved by		

2 (300 bks.-6-65)

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 32

10E Blaw River

Lsd. Sec. Tw. Rge. W.

Contractor NAT 3

Month JUNE Day 10

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

Table with columns for From, To, Hole Made, Bit Size, Formation, Stands, Singles, Kelly, Drill, Collar Ft., Core Bbl. Ft., Size-D.P., Indicators, etc. for three tours.

Table with columns for Serial No., Jet, Conventional, Nozzle Size, Bit Wear, Depth, Deviation, HOURS, Pump Press, Length of Pump Stroke, Strokes Per Min., Liner Size.

Table with columns for Time, Visc., Wt., W L, pH, ADDITIVES - POUNDS.

Table with columns for Core No., Depth In, Footage, Hours Run, Depth Out, Recovery.

Table with columns for Temp, ReFRidge, Trip Out, Service Rig Check, Change drill string assembly, Rip in hole change saver sub, Drilling, etc.

Table with columns for Check at Block, Drilling, Totco, etc.

Table with columns for Check Kelly Cock, SHALE DENSITY, Totco, Drilling, Circulate, Pump slug down, Trip out, etc.

Driller: H. MacLean, J. ... , V. Buena

CLASSES OF TIME BREAKDOWN: TOTCO, CONDITIONING MUD, CASING, LOGGING, RIG MAINTENANCE, REAMING CLEANING, etc.

Total Contract Time, Total Company Time, Toolpusher, Approved by

(300 bks.-6-65)

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 33

102 Blue River Lsd. Sec. Tw. Rge. W Contractor Month Day

1st Tour From: 12:00 Midlight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To 4:00 p.m. 3rd Tour From 4:00 p.m. To 12:00 p.m.

From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation
63	2796	33	12 1/4	STAB	2796	2856	60	12 1/4	STAB	2856	2904	48	12 1/4	STAB

Stands	Singles	Kelly	Drill Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill Collar Ft.	Core Bbl. Ft.
21	-	10	758.71	CO. SUB 10.71	4 1/2	21	2	13	752.71	CO. SUB 10.71	4 1/2	22	1	27	758.71	CO. SUB 10.71

L Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL
6	11	3	28.20	DRILLING STRING	6	11	3	28.20	DRILLING STRING	6	11	3	28.20	DRILLING STRING

AR	19	6 1/4	2 1/2	564.77	752.71	85	19	6 1/4	2 1/2	564.77	130.07	85
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Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed	No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed
20	0WV	10	99	20	120	2796	99	20	0WV	5 1/4	60	15	116	116	2904	108

Serial No. ND 217-IT 729 Jet Conventional Bit Serial No. 57727 Jet Conventional Bit Serial No. 57729 Jet Conventional

Nozzle Size 2-13-112 Bit Wear T 2 B 4 G 1 Nozzle Size 2-13-112 Bit Wear T 2 B 4 G 1 Nozzle Size 2-13-112 Bit Wear T 2 B 4 G 1

Depth 2770-2790 Deviation 6 3/4 6 3/4 Depth 2832 Deviation 6 3/4 Depth 2904 Deviation 6 3/4

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	1700	7 1/2	160	6	On Line	Circulating	1800	8 1/2	165	6

Time Visc. Wt. W L pH ADDITIVES - POUNDS Time Visc. Wt. W L pH ADDITIVES - POUNDS Time Visc. Wt. W L pH ADDITIVES - POUNDS

46	1.2	10.	0.0	10.0	10.0	47	1.6	10.0	10.0	10.0	10.0
45	7.6	10.	10.5	10.5	10.5	46	1.5	10.0	10.0	10.0	10.0
40	9.5	10.5	10.5	10.5	10.5	47	7.4	10.0	10.0	10.0	10.0
00	SPARTAN	HELZAN 50#	00	SPARTAN	HELZAN 50#	46	7.4	10.0	10.0	10.0	10.0
00	DITCH	CHROMAL 20.174	00	DITCH	CHROMAL 20.174	46	7.4	10.0	10.0	10.0	10.0

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery
TEMP KERRIDGE	6"										

CHECK KIELLY ROCK

From	To	Hrs.	From	To	Hrs.	From	To	Hrs.
12:00	1:00	1	8:00	8:15	1/4	2:45	3:00	15
1:00	1:30	1/2	8:15	9:00	3/4	3:00	3:15	15
1:30	4:15	2 1/2	9:00	9:45	3/4	3:15	3:30	15
4:15	4:45	1/4	9:45	1:30	3 3/4	3:30	4:00	30
4:45	6:15	2	1:30	2:00	1/2	4:00	4:00	0
6:15	6:45	1/2	2:00	4:00	2			
6:45	7:15	1/2						
7:15	8:00	3/4						

Driller: H. M. ... Driller: H. M. ... Driller: H. M. ...

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.

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

IMPERIAL OIL LIMITED

105 ... Lsd. ... Sec. ... Twn. ... Rge. ... W. ... Contractor ... Month ... Day ...

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

Table with columns for From, To, Hole Made, Bit Size, Formation, Size-D.P., Stands, Singles, Kelly, Drill Collar Ft., Core Bbl. Ft., DRILL Number, OD, ID, Length, INDICATOR WEIGHT OF TOTAL, COLLAR, DATA, No., Type, Time On Bit, Footage, WOB, RPM, Depth Pulled, Total Footage Drilled, Reamed.

Table with columns for Bit Serial No., Jet, Conventional, Nozzle Size, Bit Wear, Depth, Deviation.

Table with columns for HOURS, Pump Press, Length of Pump Stroke, Strokes Per Min., Liner Size, On Line, Circulating.

Table with columns for Time, Visc., Wt., W L, pH, ADDITIVES — POUNDS.

Table with columns for Core No., Depth In, Footage, Hours Run, Depth Out, Recovery.

Table with columns for From, To, Hrs., Drilling, Circulation, Trip in Hole, Circulation.

Driller: ...

Table with columns for 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 F.O.I., REAMING, CLEANING, WORKING PIPE, LOST CIRC.

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

(300 bks.-6-65)

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 31

10.5 BLANK SURF Lsd Sec Tw n Rge W Contractor *11-3* Month *11* Day *1*

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

1st Tour										2nd Tour										3rd Tour									
From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation										
10	2572	62	12 1/4	5-68 RENNICK	2572	2626	54	12 1/4	5-68 RENNICK	2626					2626														
Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.										
18	2	16	758.71	10.71	4 1/2	19	1	24	758.71	10.71	4 1/2	19	1	24	4 1/2	19	1	24	758.71										
INDICATOR WEIGHT OF TOTAL										INDICATOR WEIGHT OF TOTAL										INDICATOR WEIGHT OF TOTAL									
DRILL	Number	OD	ID	Length	DRILL	Number	OD	ID	Length	DRILL	Number	OD	ID	Length	DRILL	Number	OD	ID	Length										
6	11	3	28.20	165.74	6	11	3	28.20	165.74	6	11	3	28.20	165.74	6	11	3	28.20	165.74										
DRILLING STRING										DRILLING STRING										DRILLING STRING									
COLLAR	Number	OD	ID	Length	COLLAR	Number	OD	ID	Length	COLLAR	Number	OD	ID	Length	COLLAR	Number	OD	ID	Length										
19	6 1/4	2 1/4	564.77	129.1	19	6 1/4	2 1/4	564.77	129.1	19	6 1/4	2 1/4	564.77	129.1	19	6 1/4	2 1/4	564.77	129.1										
DRILLING STRING										DRILLING STRING										DRILLING STRING									
DATA	Number	OD	ID	Length	DATA	Number	OD	ID	Length	DATA	Number	OD	ID	Length	DATA	Number	OD	ID	Length										
19	6 1/4	2 1/4	564.77	129.1	19	6 1/4	2 1/4	564.77	129.1	19	6 1/4	2 1/4	564.77	129.1	19	6 1/4	2 1/4	564.77	129.1										
DRILLING STRING										DRILLING STRING										DRILLING STRING									
NO.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed	NO.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed	NO.	Type										
17	MANG	14 1/4	149	20-25	116	200			18	YM																			

Serial No. 225511 Jet Conventional Bit Serial No. 225511 Jet Conventional Bit Serial No. B38339 Jet Conventional Bit Serial No. 2-13-42 Jet Conventional

1st Tour										2nd Tour										3rd Tour									
Line	Hours	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	Line	Hours	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	Line	Hours	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size												
2		150	2 1/2	155	6	6		19 1/2	8 1/2	155	6																		

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
4:2	9.5	10			GF-2500 1/2 - 200 50	10:00	46	7.411			WATER						
5:4	9.4+	10.3			243.00 17.	1:00	47	1.41			Domestic						
5:2	9.4+	10.8			11.6.8.3.	2:00	47	7.5			15 ppm 1000 00 200						
4:7	9.4+	12.10.3			PLAS 1250												

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery

From	To	Hrs.	From	To	Hrs.	From	To	Hrs.
DRILLING	12:30	3 3/4	DRILLING	8:00	5	TRIP OUT	10:00	10
CC - TOTCO	12:45	1/2	C/C - TOTCO	12:30	1/2	Change blocks on beam	10:30	30
DRILLING	1:00	2 1/4	SERVICE RIG	1:20	1/4	NEW DC	10:45	15
CC - TOTCO	1:00	7/8	DRILLING	1:45	2/8	CUT TO DRILL	10:30	30
DRILLING	1:15	1/2	MIX SLUG TRIP OUT	2:45	7/8	RUN IN HOLES	11:30	12

Driller: *[Signature]* Driller: *[Signature]* Driller: *[Signature]*

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 HO, REAMING CLEANING, WORKING PIPE, LOST CIRC.

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

2 (300 bks.-6-65)

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 30

10 E BLOW RIVER Lsd. Sec. Tw. Rge. W. Contractor MAT 3 Month Year Day

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

Table with columns for From, To, Hole Made, Bit Size, Formation, Size-D.P., Stands, Singles, Kelly, Drill. Collar Ft., Core Bbl. Ft., No., Type, Time On Bit, Footage, WOB, RPM, Depth Pulled, Total Footage Drilled, Reamed.

Serial No. 225512 Jet [] Conventional [] Nozzle Size 3-12 Bit Wear: T B G

Table with columns for HOURS, Pump Press, Length of Pump Stroke, Strokes Per Min., Liner Size, On Line, Circulating.

Table with columns for Time, Visc., Wt., W L, pH, ADDITIVES - POUNDS.

Table with columns for Core No., Depth In, Footage, Hours Run, Depth Out, Recovery.

Table with columns for From, To, Hrs., DRILLING, CIRC - TOTCO, BOP DRILL DEMONSTRATION, etc.

Driller: [Signature]

CLASSES OF TIME BREAKDOWN: DRILLING, CIRC - TOTCO, BOP DRILL DEMONSTRATION, etc.

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

DID YOU CHECK PREVENTER EQUIPMENT? YES [] NO []

(300 bks.-6-65)

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 29

10 E Blow River

Lsd. Sec. Tw. Rge. W. Contractor *NAT 3*

Month *June* Day *5*

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

1st Tour						2nd Tour						3rd Tour								
From	To	Hole Made	Bit Size	Formation	Remarks	From	To	Hole Made	Bit Size	Formation	Remarks	From	To	Hole Made	Bit Size	Formation	Remarks			
81	2141	40	12 1/4	5THB REAMERS	13.93	2141	2204	63	12 1/4	5THB REAMERS	13.96	2204	2216	12	12 1/4	REAMERS	12.58			
D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	D.P.	Stands	Singles	Drill. Collar Ft.	Core Bbl. Ft.	D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.				
1/2	14	-	31	768.99	CO. SUBS 10.7 SM. CR SUB 8.8	4 1/2	14	2	31	768.99	SHOCKS 8.8	4 1/2	14	2	16	768.99	SHOCKS 8.8			
DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL			
COLLAR	2	11	3	38.28	DRILLING STRING	COLLAR	2	11	3	38.28	DRILLING STRING	COLLAR	2	11	3	38.28	DRILLING STRING			
DATA	19	6 3/4	2 1/2	564.77	127	100	DATA	19	6 3/4	2 1/2	564.77	128	100	DATA	19	6 3/4	2 1/2	564.77	128	100
Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled Reamed	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled Reamed	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled Reamed
M4G	11/4	81	15.20	110		25	M4G	18 3/4	144	15.1	110		25	M4G	19 1/2	147	15.1	110	2207	147

Serial No. *910439* Jet Conventional Bit Serial No. *910439* Jet Conventional
 Nozzle Size *3-12* Bit Wear: T B G Nozzle Size *3-12* Bit Wear: T B G Nozzle Size *3-12-3-12* Bit Wear: T B G

1st Tour						2nd Tour						3rd Tour								
Line	On	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	Line	On	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	Line	On	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size

Time	Visc.	Wt.	W L	pH	ADDITIVES - POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES - POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES - POUNDS
4:17	7.24	9.5			GEL 500, PLASTER 100	8:00	5.9	1.31			0.5 - 110	4:00	5.2	1.3			10.5 water
5:08	7.24	10.			KELZON 50	10:00	5.1	9.31			10.5 Box-B-16 lb.						
6:05	7.24	10			CHR ALUM 17.0	12:00	4.7	9.3			10.5 CAUSTIC 50 lb.						
7:07	9.21	7.8	10.		DOWN 8 17.0	20:00	5.0	7.3			10.5						

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery

From	To	Hrs.	Activity	From	To	Hrs.	Activity	From	To	Hrs.	Activity
12:00	2:00	2	DRILLING	8:00	3:05	7	DRILLING	4:30	4:30	0	DRILLING
2:00	2:50	1/2	CIRC + SURVEY	3:05	3:50	1/2	CIRC + SURVEY	4:30	7:30	3	TRIP OUT
2:50	3:45	1/4	DRILLING	3:50	4:00	1/2	DRILLING	7:30	8:00	30	Roomer Pick up B.I. Sub
3:45	4:00	1	WATER KELLY HOSE (WATER)			8	WATER KELLY HOSE (WATER)	8:00	8:00	0	WATER KELLY HOSE (WATER)
4:00	7:00	2 1/4	DRILLING				DRILLING	8:00	9:30	1 1/2	Series Pig Check BOPS
7:00	7:50	1/2	TRIP - CIRC.				TRIP - CIRC.	9:30	10:00	30	Run D.C. (D.C. Check)
7:50	8:00	1/2	DRILLING				DRILLING	10:00	11:00	1	Clutch on TR. EX. med.
			Driller: <i>J. J. ...</i>				Driller: <i>H. ...</i>				Driller: <i>A. ...</i>

CLASSES OF TIME BREAKDOWN: DRILLING, TRIPPING, CIRCULATING, CASING, LOGGING, RIG MAINTENANCE, REMAINING CLEANING, etc.
 Total Contract Time: _____ hrs. Total Company Time: _____ hrs. Toolpusher: _____ Approved by: _____

DID YOU CHECK PREVENTER EQUIPMENT? YES NO

(300 bks.-6-65)

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 28

Blow River

Lsd. Sec. Tw. Rge. W.

Contractor NAT 3

Month June Day 4

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation
32			12 1/4	REAMERS STABS 12-57 13-93	20	32		12 1/4	STABS REAMERS 13-93 12-57	2032	2081	49	12 1/4	STABS REAMERS 13-93 12-57

Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	
			768.99	SHOCK SUB 8-83 CO. SUBS 10.71	4 1/2	12	2		300	768.99	SHOCK SUB 8-83 CO. SUBS 10.71	4 1/2	13	1	29	768.99	CO. SUBS 10.71 SHOCK SUBS

L Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL		
2	11	3	38-28		2	11	3	38-28		2	11	3	38-28			
6	9	3	165-94		6	9	3	165-94		6	9	3	165-94			
19	6 3/4	2 7/8	564-77		19	6 3/4	2 7/8	564-77	126M	100M	19	6 3/4	2 7/8	564-77	126M	100M

Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed	No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed
M4LG								15	M4LG	5 1/4	49	12-20	110			49

Serial No. 910437	Jet <input checked="" type="checkbox"/> Conventional <input type="checkbox"/>	Bit Serial No. 910437	Jet <input checked="" type="checkbox"/> Conventional <input type="checkbox"/>	Bit Serial No. 910437	Jet <input checked="" type="checkbox"/> Conventional <input type="checkbox"/>
Nozzle Size 3-12	Bit Wear: T B G	Nozzle Size 3-12	Bit Wear: T B G	Nozzle Size 3-12	Bit Wear: T B G

Deviation					Deviation					Deviation							
Line	Hours	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	Line	Hours	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	Line	Hours	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
	6 1/4		1850	14 1/2	65	6 1/2							5 1/4	1 1/2	1850	14 1/2	66

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
10:00	54	9.3			Water Heater Parts - 20 lb	6:00	55	1.3			Down
12:00	49	9.3			Oil 200 lb	8:00	48	9.3			10
2:00	46	9.3			KELZAN 50 lb Chevron Alum - 12 lb Down - 14 lb	10:00	48	13			10

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery
2007	25	9 1/4		2032							

From	To	Hrs.	From	To	Hrs.	From	To	Hrs.
12:00	3:15	3 1/4	8:20	8:30	1	4:00	5:00	1
3:15	3:30	1/4	8:30	9:15	45	5:00	5:30	30
3:30			9:15	9:45	30	5:30	9:00	3:30
			9:45	3:15	5 1/2	9:00	9:15	15
			3:15	4:00	45	9:15	10:30	1:15
			4:00			10:30	11:00	30
						11:00	11:15	15
						11:15	11:45	30
						11:45	12:00	15

CHANGE RUBBER ON TOP STAB
 Driller: Phil Rowe
 Driller: H. M. ...
 Driller: ...

CLASSES OF TIME BREAKDOWN
 TOTCO: CONDITIONING MUD: CASING: LOGGING: RIG MAINTENANCE: REAMING CLEANING:
 FISHING: TRIPPING: W.O.C: W.O. ORDERS: MISCELLANEOUS: WORKING PIPE:
 CIRCULATING: CORING: D.S. TESTING: RIG REPAIRS: CONDITION HOLES: LOST CIRC:
 DID YOU CHECK PREVENTER EQUIPMENT? YES NO

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

IMPERIAL OIL LIMITED

1.0.E. BLow RIVER

Lsd. Sec. Twn. Rge. W. Contractor NAT 3

Month June Day 3

1st Tour From: 12:00 Midnight To: 8:00		2nd Tour From: 8:00 a.m. To: 4:00 p.m.		3rd Tour From: 4:00 p.m. To: 12:00 p.m.																					
From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation											
2007	2007	25	12 1/4	STAB SHOCK SUB 8-83	2007	2019	12	8 7/8	STAB SUB 8-93	2019	2032	13	8 1/2	SHOCK SUB 8-83											
Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.									
12	2	18	758.91	56.90	4 1/2	12	1	27	158.91	56.90	4 1/2	12	1	14	758.91	56.90									
Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL		DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL		DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL							
6	11	3	27.20	DRILLING STRING		DRILL COLLARS	6	11	3	27.20	DRILLING STRING		DRILL COLLARS	6	11	3	27.20	DRILLING STRING							
19	6 3/4	2 7/8	564.77	120 M	99 M	DATA	19	6 3/4	2 7/8	564.77	120 M	99 M	DATA	19	6 3/4	2 7/8	564.77	120 M	99 M						
Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed	No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed	No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed
M4HG	3/4	25	90	110	2007	67		RR2	CAST	4 1/2	12	16	60-70		12		RR2	CAST	9/4	13	20	60-90	2032.25		

Serial No. 224503	Jet <input checked="" type="checkbox"/> Conventional <input type="checkbox"/>	Bit Serial No. EC 6709	Jet <input type="checkbox"/> Conventional <input type="checkbox"/>
Bit Size 3-12	Bit Wear: T L B G	Nozzle Size	Bit Wear: T B G
1978-1990	Deviation 4 3/4 - 5°	Depth	Deviation
HOURS	Pump Press	Length of Pump Stroke	Strokes Per Min.
Line	Circulating	On Line	Circulating
	1900	14 1/2	66
Visc.	Wt.	W L	pH
50	72	10	11.5
54	12	12	11.5
ADDITIVES — POUNDS			
AUSTIC			

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
12:00	48	9.2+			9.5 WATER
1:00	48	9.2+			10.5 CAUSTIC - 50 lb.
3:30	47	9.2+			10.5 DOW B-15 lb.

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
12:00	48	9.2+			9.5 WATER
4:30	47	9.2+			10.5 CAUSTIC DOW B-15
6:30	41	9.2+			10.5 DOW B-15 500
1:30	40	9.2+			11.5 DOW B-15 17.5
					11.5 DOW B-15 50 lbs.

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery
EDGE TEMP	10°				
From	To	Hrs.			
12:00	12:15	1/4	SURVEY		
12:15	12:45	1/2	DRILLING		
12:45	1:15	1/2	CIRCULATE + SURVEY		
1:15	1:45	1/2	DRILLING		
1:45	2:30	1/2	CIRCULATE TO CORE CHECK FOR FLOW		
2:30	2:45	1/4	SURVEY		
2:45	5:45	3 1/4	TRIP OUT		
5:45	6:00	1/4	SERVICE RIG CHECK BOPS		
6:00	8:00	2	CHANGE RELEASE VALVE ON ROTARY CLUTCH		

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery
2	2007				
From	To	Hrs.			
8:30	9:00	1	WORK ON ROTARY CLUTCH		
9:00	10:30	1 1/2	TRIP IN WITH CORE BBL		
10:30	11:30	1	CIRC DROP BAL		
11:30	4:20	4 1/2	CORING		

From	To	Hrs.			
4:00	8:45	4 3/4	CORING		
8:45	9:00	15	CIRCULATE - PREPARING FOR TRIP BOPS		
9:00	11:00	2	TRIP OUT w/ CORE BBL		
11:00	11:00	0	TRIP IN		
11:00	11:00	0	TRIP IN		
11:00	11:00	0	TRIP IN		
11:00	11:00	0	TRIP IN		
11:00	11:00	0	TRIP IN		
11:00	11:00	0	TRIP IN		

Driller: Phil Rouse	Driller: H. Max James	Driller: [Signature]																				
<table border="0"> <tr> <td>CLASSES OF TIME BREAKDOWN</td> <td>LOGGING</td> <td>RIG MAINTENANCE</td> <td>REAMING CLEANING</td> <td>DID YOU CHECK PREVENTER EQUIPMENT</td> </tr> <tr> <td>TOTCO:</td> <td>W.O.C.</td> <td>MISCELLANEOUS</td> <td>WORKING PIPE</td> <td>YES <input checked="" type="checkbox"/></td> </tr> <tr> <td>FISHING:</td> <td>D.S. TESTING:</td> <td>RIG REPAIRS:</td> <td>LOST CIRC</td> <td></td> </tr> <tr> <td>CIRCULATING:</td> <td></td> <td>CONDITION HOLD:</td> <td></td> <td></td> </tr> </table>			CLASSES OF TIME BREAKDOWN	LOGGING	RIG MAINTENANCE	REAMING CLEANING	DID YOU CHECK PREVENTER EQUIPMENT	TOTCO:	W.O.C.	MISCELLANEOUS	WORKING PIPE	YES <input checked="" type="checkbox"/>	FISHING:	D.S. TESTING:	RIG REPAIRS:	LOST CIRC		CIRCULATING:		CONDITION HOLD:		
CLASSES OF TIME BREAKDOWN	LOGGING	RIG MAINTENANCE	REAMING CLEANING	DID YOU CHECK PREVENTER EQUIPMENT																		
TOTCO:	W.O.C.	MISCELLANEOUS	WORKING PIPE	YES <input checked="" type="checkbox"/>																		
FISHING:	D.S. TESTING:	RIG REPAIRS:	LOST CIRC																			
CIRCULATING:		CONDITION HOLD:																				
Total Contract Time	Total Company Time	pusher	Approved by																			

IMPERIAL OIL LIMITED

DE BLOW RIVER YTE47 Lsd. 68 Sec. 50 Twn. 137 Rge. 15 W Contractor NAT 3 Month June Day 2

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

Table with columns for From, To, Hole Made, Bit Size, Formation, Stands, Singles, Kelly, Drill, Collar Ft, Core Bbl. Ft, Size-D.P., Stands, Singles, Kelly, Drill, Collar Ft, Core Bbl. Ft, Size-D.P., Stands, Singles, Kelly, Drill, Collar Ft, Core Bbl. Ft. Includes data for tours 1, 2, and 3.

Table with columns for Bit Serial No., Jet, Conventional, Nozzle Size, Bit Wear, Depth, Deviation. Includes data for bit serial numbers 910438 and 224503.

Table with columns for HOURS, Pump Press, Length of Pump Stroke, Strokes Per Min., Liner Size. Includes data for hours 4, 14, 19, 27, 34.

Table with columns for Time, Visc., Wt., W L, pH, ADDITIVES - POUNDS. Includes data for times 8:00, 10:00, 12:30, 2:58.

Table with columns for Core No., Depth In, Footage, Hours Run, Depth Out, Recovery. Includes data for core numbers 13, 14, 19, 27, 34.

Table with columns for From, To, Hrs. Includes activity logs for DRILLING, CIRCULATE + SURVEY, TRIP OUT, etc.

Driller Phil Rowe

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

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

2 (300 bks.-6-65)

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 25

1.0 E. BLOW RIVER YTE47

Lsd. 68 Sec. 50 Twn 137 Rge 15 W Contractor NAT 3

Mon June Day 1

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

Table with columns: From, To, Hole Made, Bit Size, Formation, Reamers, Stabs, etc. for three tours.

Table with columns: DRILL Number, OD, ID, Length, INDICATOR WEIGHT OF TOTAL, etc. for three tours.

Table with columns: No., Type, Time On Bit, Footage, WOB, RPM, Depth Pulled, Total Footage Drilled, etc. for three tours.

Table with columns: Jet, Conventional, Nozzle Size, Bit Wear, etc. for three tours.

Table with columns: HOURS, Pump Press, Length of Pump Stroke, Strokes Per Min, Liner Size, etc. for three tours.

Table with columns: Time, Visc, Wt, W, L, pH, ADDITIVES - POUNDS, etc. for three tours.

Table with columns: Core No., Depth In, Footage, Hours Run, Depth Out, Recovery, etc. for three tours.

Table with columns: From, To, Hrs., DRILLING, etc. for three tours.

Driller: Phil Rawe

Table with columns: DRILLING, FISHING, CIRCULATING, etc. for three tours.

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

THIS LOG CHECKED BY PRESENTER'S SIGNATURE YES NO

(300 bks.-6-65)

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 24

LOE. BLOW RIVER YTEUT

Lsd. 68 Sec. 50 Twn. 137 Rge. 15 W

Contractor 491 3

Month May Day 31

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

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

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

From	12:38	Hole Made	37	Bit Size	12 1/4	Formation	REAMERS 12-58 SIBBS 13-93
D.P.	2	Singles	1	Kelly	20	Drill Collar Ft.	947.49
Core Bbl. Ft.	SIBBS 8-83 CO SIBBS 10-71						
DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL		
DRILLING STRING	2	11	3	37-28			
DRILL COLLARS	2	7	3	37-28			
DATA	25	6 3/4	278	743.27	126	115 M	
No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled / Reamed
10	YHG	3 3/4	37	27-30	95-110		37

From	12:38	To	12:57	Hole Made	57	Bit Size	12 1/4	Formation	REAMERS 12-58 SIBBS 13-93
D.P.	2	Singles	3	Kelly	20	Drill Collar Ft.	947.49	Core Bbl. Ft.	SIBBS 8-83 CO SIBBS 10-71
DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL				
DRILLING STRING	2	11	3	37-28					
DRILL COLLARS	2	7	3	37-28					
DATA	25	6 3/4	278	743.27	126	115 M			
No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled / Reamed		
10	YHG	3 3/4	37	27-30	95-110		37		

From	12:38	To	12:57	Hole Made	57	Bit Size	12 1/4	Formation	REAMERS 12-58 SIBBS 13-93
D.P.	2	Singles	3	Kelly	20	Drill Collar Ft.	947.49	Core Bbl. Ft.	SIBBS 8-83 CO SIBBS 10-71
DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL				
DRILLING STRING	2	11	3	37-28					
DRILL COLLARS	2	7	3	37-28					
DATA	19	6 3/4	278	743.27	116	116			
No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled / Reamed		
10	YHG	3 3/4	37	27-30	95-110		37		

Serial No. 487160 Jet Conventional
 Nozzle Size 3-13 Bit Wear: T B G
 Deviation

Bit Serial No. 487160-48520 Jet Conventional
 Nozzle Size 3-13 (411315) Bit Wear: T B G
 Deviation 2 1/4

Bit Serial No. 48520 Jet Conventional
 Nozzle Size 3-13 Bit Wear: T B
 Deviation

Line	Hours Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
4		1800	180	6	6 1/2
4		1400	1472	68	6 1/2

Line	Hours Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
4		1350	1350	60	6 1/2

Line	Hours Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
4		1350	1350	60	6 1/2

Time	Visc.	Wt.	W L	pH	ADDITIVES -- POUNDS
4:45	4.0	10	500		
5:05	4.0	10	500		
5:22	4.1	10	500		

Time	Visc.	Wt.	W L	pH	ADDITIVES -- POUNDS
6:50	4.1	10	500		
10:47	4.1	10	500		
12:57	4.1	10	500		

Time	Visc.	Wt.	W L	pH	ADDITIVES -- POUNDS
8:05	4.1	10	500		
10:55	4.1	10	500		

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery
106	TEMP	40			

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery

Service	From	To	Hrs.
DRIVE RIG CHECK UPS	12:00	12:15	1/4
CHANGE REAMER BITTERS ON			
COM REAMER	12:15	2:00	1 3/4
DRIP IN HOLE	2:00	3:30	1 1/2
RAM TO BOTTOM	3:30	4:15	3/4
DRILLING	4:15	8:00	3 3/4

Service	From	To	Hrs.
DRIVE RIG	8:00	12:00	4
CHANGE REAMER BITTERS ON			
COM REAMER	12:00	2:00	2
DRIP IN HOLE	2:00	3:30	1 1/2
RAM TO BOTTOM	3:30	4:15	3/4
DRILLING	4:15	8:00	3 3/4

Service	From	To	Hrs.
CHANGE REAMER BITTERS ON	12:00	12:15	1/4
COM REAMER	12:15	2:00	1 3/4
DRIP IN HOLE	2:00	3:30	1 1/2
RAM TO BOTTOM	3:30	4:15	3/4
DRILLING	4:15	8:00	3 3/4

Driller Phil Rowe

Driller

Driller

CLASSES OF TIME BREAKDOWN	TOTCO:	FISHING:	CIRCUATING:	CONDITIONING MUD:	TRIPPING:	CIRCUING:	CASING W O C:	D S. TESTING:	LOGGING W O ORDERS:	RIG REPAIRS:	RIG MAINT. MISCELL. CON.:	STANCE:	REAMING:	CLEANING:	WORKING TIME:	LOST TIME:	DRILLING:	REPAIRS:	APPROVED BY:

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

DID YOU CHECK PREVENTER EQUIPMENT? YES NO

(300 bks.-6-65)

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 23

LOE BLOW RIVER YTE47 Lsd 68 Sec 50 Twp 137 Rge 15 W Contractor NAT 3 Month May Day 30

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation			
72	1130	58	12 1/4	PEAKMS STABS	12.58 13.93	1130	1133	23	12 1/4	PEAKMS STABS	12.58 13.93	1133	48	12 1/4	REAMERS STABS		
D.P.	Stands	Singles	Kelly	Drill Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill Collar Ft.	Core Bbl. Ft.
1/2	1		33	447.49	580.38 8.33 10.50 10.71	1 1/2	1		10	747.49	805.38 8.33 10.50 10.71	4 1/2	2		25	747.49	805.38 8.33 10.50 10.71
L. Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL				DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL				
2	11	9	98.28					COLLAR	2	11	9	98.28					
AR	2	9	165.94	DRILLING STRING				DRILL COLLARS	2	9	3	165.94	DRILLING STRING				
DATA	25	6 3/4	278.743.27	125 M				115 M	DATA	25	6 3/4	278.743.27	125 M				
Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed	No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed	
YHG	11	75	25	110				8	YHG	1 1/2	28	25	60	110	18		
								9	MING S	7 1/2	45	50	50	1201	48		

Serial No. 551919 Jet Conventional Bit Serial No. 225295 Jet Conventional
 Nozzle Size 3-14 Bit Wear T B G Nozzle Size 3-13 Bit Wear T 2 B 4 G 1

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	Circulating	1450	8 1/2	175	6	On	Circulating	1450	8 1/2	175	6
		950	14 1/2	59	6 1/2			1750	9 1/2	175	6 1/2

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
0	2.1	10	KILZAN	300	85	8	60	7.0	10		
2	4.1	10	56 MUMI	75	425	10	54	7.0	0		
0	3.0	10	300 12	46	125						
2	3.0	10.5	4050P	180	125						
5	3.0	10.5	4050P	40	135						

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery
LOGE	TEMP	80									

	From	To	Hrs.		From	To	Hrs.
DRILLING	12:00	2:45	2 3/4	DRILLING	8:00	10:00	2 1/2
WORK BY PUMPS	2:45	3:45	1/2	TRIP IN - 10250	10:00	11:00	1/2
DRILLING	3:45	3:45	1/2	TRIP OUT - 10412	11:00		
CIRCULATE + SURVEY	3:45	4:15	1/2	DRILLING	11:00	12:00	1/2
DRILLING	4:15	8:00	3 3/4	TRIP IN - 10513	12:00		
				TRIP OUT - 10614	12:00		

Driller: Phil Rowe Driller: [Signature] Driller: [Signature]

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

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

(300 bks.-6-65)

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 12

10E BLOW RIVER

YTE47

Lsd. 68 Sec. 50 Twn. 137 Rge. 15 W. Contractor NAT 3

Month May Day 29

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 3:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation			
1046	14	14	8 1/16	REAMERS STAR 7.68	1046	1055	14	8 1/16	REAMERS STAR 7.68	1055	1072	17	8 1/16	REAMERS STAR 7.68			
D.P.	Stands	Singles	Kelly	Drill Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill Collar Ft.	Core Bbl. Ft.
2	2	2	21	858.33	56.10	2	2	2	21	858.33	56.10	2	2	2	21	858.33	56.10
DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL
COLLAR	2	11	3	38.28	DRILLING STRING DRILL COLLARS	COLLAR	2	11	3	38.28	DRILLING STRING DRILL COLLARS	COLLAR	2	11	3	38.28	DRILLING STRING DRILL COLLARS
DATA	22	6 3/4	2 7/8	654.11	121 M 110M	DATA	22	6 3/4	2 7/8	654.11	121 M 110M	DATA	22	6 3/4	2 7/8	654.11	121 M 110M
No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed	No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed
7	DIA	6 3/4	14	15	40				7	DIA	6 3/4	14	15	40			

Serial No. EC 6709 Jet Conventional Bit Serial No. EC 6709 Jet Conventional

Nozzle Size Bit Wear: T B G Nozzle Size 14 Bit Wear: T B G

Depth Deviation Depth Deviation Depth Deviation

HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
On Line	Circulating					On Line	Circulating					On Line	Circulating				
9 1/4		1025	8 1/2	155	6	6 1/2		1075	2 1/2	125	6	4		1450	8 1/2	145	

Time	Visc.	Wt.	W L	pH	ADDITIVES -- POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES -- POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES -- POUNDS
8:51	9.1	10	BEL	3000		9:00	6.7	9.1	10	2DUST	10.20	8:45	5.2	9	10	water	
9:07	9.1	10	BEL	1500		10:15	6.4	9.1	10	CL		10:00	4.6	9.1	10	KILBAN-100	
9:05	9.1	10	WATER			12:30	6.0	9.1	10	WATER					10	WATER	
9:05	9.1	10	PAUSTIC												10	WATER	

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery
1032	14	6 3/4				1	1032	23	10 3/4	10 3/4		1	1032	23	10 3/4	10 3/4	

From	To	Hrs.	From	To	Hrs.	From	To	Hrs.
12:00	12:30	1/2	12:30	1:15	3/4	1:15	2:00	1/2
P IN WITH CORE BARREL			ROCKING			ROCKING		
CIRCULATE + DROP BALL			TRIP OUT			TRIP OUT		
ROCKING			ROCKING			ROCKING		

EDGE TEMP 0 Driller: Phil Rowe Driller: Driller:

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

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

IMPERIAL OIL LIMITED

IDE BLOW RIVER YTE47

Lsd 68 Sec. 50 Twn 137 Rge. 15 W

Contractor SAT 3

Month MAY Day 27

1st Tour From: 12:00 Midnight To: 8:00 a.m. JARS 6.85

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

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

Table with columns: From, To, Hole Made, Bit Size, Formation, D.P., Stands, Singles, Kelly, Drill Collar Ft., Core Bbl Ft., LL, Number, OD, ID, Length, INDICATOR WEIGHT OF TOTAL, DRILLING STRING, DRILL COLLARS, DATA, No., Type, Time On Bit, Footage, WOB, RPM, Depth Pulled, Total Footage Drilled, Reamed

Table with columns: From, To, Hole Made, Bit Size, Formation, D.P., Stands, Singles, Kelly, Drill Collar Ft., Core Bbl Ft., LL, Number, OD, ID, Length, INDICATOR WEIGHT OF TOTAL, DRILLING STRING, DRILL COLLARS, DATA, No., Type, Time On Bit, Footage, WOB, RPM, Depth Pulled, Total Footage Drilled, Reamed

Table with columns: From, To, Hole Made, Bit Size, Formation, D.P., Stands, Singles, Kelly, Drill Collar Ft., Core Bbl Ft., LL, Number, OD, ID, Length, INDICATOR WEIGHT OF TOTAL, DRILLING STRING, DRILL COLLARS, DATA, No., Type, Time On Bit, Footage, WOB, RPM, Depth Pulled, Total Footage Drilled, Reamed

Serial No. 178476 Jet Conventional Nozzle Size 2-16 1-14 Bit Wear: T - B G

Serial No. 178476 Jet Conventional Nozzle Size 2-16 1-14 Bit Wear: T - B G

Serial No. 178476 Jet Conventional Nozzle Size 2-16 1-14 Bit Wear: T - B G

Table with columns: HOURS, On Line, Circulating, Pump Press, Length of Pump Stroke, Strokes Per Min., Liner Size

Table with columns: HOURS, On Line, Circulating, Pump Press, Length of Pump Stroke, Strokes Per Min., Liner Size

Table with columns: HOURS, On Line, Circulating, Pump Press, Length of Pump Stroke, Strokes Per Min., Liner Size

Table with columns: Time, Visc., Wt., W L, pH, ADDITIVES - POUNDS

Table with columns: Time, Visc., Wt., W L, pH, ADDITIVES - POUNDS

Table with columns: Time, Visc., Wt., W L, pH, ADDITIVES - POUNDS

Table with columns: Core No., Depth In, Footage, Hours Run, Depth Out, Recovery

Table with columns: Core No., Depth In, Footage, Hours Run, Depth Out, Recovery

Table with columns: Core No., Depth In, Footage, Hours Run, Depth Out, Recovery

Table with columns: From, To, Hrs, DRILLING, REGULATE, PRESSURE TEST TO 200 PSI, DRILLING, DRILLING, DRILLING, DRILLING, DRILLING

Table with columns: From, To, Hrs, DRILLING, REGULATE, PRESSURE TEST TO 200 PSI, DRILLING, DRILLING, DRILLING, DRILLING, DRILLING

Table with columns: From, To, Hrs, DRILLING, REGULATE, PRESSURE TEST TO 200 PSI, DRILLING, DRILLING, DRILLING, DRILLING, DRILLING

Driller: Phil Powell

Driller: Fitzpatrick

Driller: [Signature]

CLASSES OF TIME BREAK: OWN, DRG. OUT, TOTCO, FISHING, CIRCULATING, CONDITIONING MUD, CASING, LOGGING, RIG MAINTENANCE, REAMING/CLEANING, MISCELLANEOUS, WORKING TIME, LOST TIME, PREVENTER FROM

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

2 (300 bks.-6-65)

JOE Blow River YF E47 69 IMPERIAL OIL LIMITED Lsd. Sec. Tw. Rge. W Contractor WAT 3 Month May Day 26

DAILY DRILLING REPORT No. 19

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

Table with columns: From, To, Hole Made, Bit Size, Formation, Size-D.P., Stands, Singles, Kelly, Drill Collar Ft., Core Bbl. Ft.

Table with columns: DRILL Number, OD, ID, Length, INDICATOR WEIGHT OF TOTAL, COLLAR, DATA

Table with columns: No., Type, Time On Bit, Footage, WOB, RPM, Depth Pulled, Total Footage Drilled, Reamed

Serial No. 178476 Jet [] Conventional [] Bit Serial No. 178476 Jet [x] Conventional []

Table with columns: HOURS, Pump Press, Length of Pump Stroke, Strokes Per Min., Liner Size

Table with columns: Time, Visc., Wt., W L, pH, ADDITIVES -- POUNDS

Table with columns: Core No., Depth In, Footage, Hours Run, Depth Out, Recovery

Table with columns: From, To, Hrs, WELD Landing Bawh, PICK UP DRILL STARS, PRESSURE TEST

Driller: A. Clemente Driller: Phil Rowe Driller: Vic Buera

Table with columns: CLASSES OF TIME BREAKDOWN, DRG. OUT, LOGGING, RIG MAINTENANCE, REAMING/CLEANING

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

(300 bks.-6-65)

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 18

JOE Blow River

YF 247-68-50 137-15

Lsd. Sec. Tw. Rge. W. Contractor *V.A.I. 3*

Month *May* Day *25*

1st Tour From: **12:00** 'Midnight To: **8:00** a.m. 2nd Tour From: **8:00** a.m. To: **4:00** p.m. 3rd Tour From: **4:00** p.m. To: **12:00** p.m.

From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation
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Size-D.P.	Stands	Singles	Kelly	Drill Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill Collar Ft.	Core Bbl. Ft.
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DRILL Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL
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COLLAR	DRILLING STRING	DRILL COLLARS	COLLAR	DRILLING STRING	DRILL COLLARS	COLLAR	DRILLING STRING	DRILL COLLARS
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DATA	DATA	DATA
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No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed	No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed	No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed
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Serial No.	Jet <input type="checkbox"/>	Conventional <input type="checkbox"/>	Bit Serial No.	Jet <input type="checkbox"/>	Conventional <input type="checkbox"/>	Bit Serial No.	Jet <input type="checkbox"/>	Conventional <input type="checkbox"/>	Bit Serial No.	Jet <input type="checkbox"/>	Conventional <input type="checkbox"/>
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Nozzle Size	Bit Wear: T B G	Nozzle Size	Bit Wear: T B G	Nozzle Size	Bit Wear: T B G
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Depth	Deviation	Depth	Deviation	Depth	Deviation
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HOURS						Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURS						Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURS						Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size			
On Line	Circulating									On Line	Circulating									On Line	Circulating											

Time	Visc.	Wt.	W L	pH	ADDITIVES --- POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES --- POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES --- POUNDS
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Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery
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From	To	Hrs.	From	To	Hrs.	From	To	Hrs.
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HEAD UP 12 8 8 HEAD UP 8 4 HEAD UP 4 12

CUT 140' DRILLING

DRILL MOUSE HOLE

PRESSURE TEST B.O.P. L

1000 PSI LANDING BOWL

LEAK, WELD LANDING BOWL

Driller: *A. Clemente* Driller: *Phil Rowe* Driller: *Ju. Bugna*

CLASSES OF TIME BREAKDOWN

DRLG. OUT: TOTCO: CONDITIONING MUD: CASING: LOGGING: RIG MAINTENANCE: REAMING CLEANING: DID YOU CHECK PREVENTER EQUIPMENT?

FISHING: TRIPPING: CORING: W.O.C: D.S. TESTING: W.O. ORDERS: RIG REPAIRS: MISCELLANEOUS: CONDITION HOLE: WORKING PIPE. LOST CIRC.

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

300 bks.-6-65)

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 17

IOE Blow River Y.T. L47 68 50 137 15 Sec. Twn Rge. W Contractor NAT 3 Month May Day 24

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

1st Tour							2nd Tour							3rd Tour															
From	To	Hole Made	Bit Size	Formation			From	To	Hole Made	Bit Size	Formation			From	To	Hole Made	Bit Size	Formation											
Stands	Singles	Kelly	Drill Collar Ft.	Core Bbl. Ft.			Size-D.P.	Stands	Singles	Kelly	Drill Collar Ft.	Core Bbl. Ft.			Size-D.P.	Stands	Singles	Kelly	Drill Collar Ft.	Core Bbl. Ft.									
Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL			DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL			DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL									
				DRILLING STRING			DRILL COLLARS							DRILLING STRING			DRILL COLLARS							DRILLING STRING			DRILL COLLARS		
Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed	No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed	No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed				

Serial No. Jet Conventional Bit Serial No. Jet Conventional
 Bit Size Bit Wear: T B G Nozzle Size Bit Wear: T B G

1st Tour						2nd Tour						3rd Tour					
Line	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	On Line	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	On Line	Circulating	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
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Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery
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HEAD UP 12 8 8 HEAD UP 8 4 HEAD UP 4 12

Driller: *Alfonso* Driller: *Phil Rowe* Driller: *Vic Ruyra*

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.

Total Contract Time _____hrs. Total Company Time _____hrs. Toolpusher _____ Approved by _____

DID YOU CHECK PREVENTER EQUIPMENT? YES NO

(300 bks.-6-65)

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 16

TOE Blow River YTEH Lsd. 68 Sec. 3 Twn. 137 R. 10 W. Contractor WAT 3 Month MAY Day 23

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation
850					850					850				

D.P.	Stands	Singles	Kelly	Drill Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill Collar Ft.	Core Bbl. Ft.
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DRILL Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL
DRILLING STRING DRILL COLLARS					DRILLING STRING DRILL COLLARS					DRILLING STRING DRILL COLLARS				

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

Serial No.	Jet	Conventional	Bit Serial No.	Jet	Conventional	Bit Serial No.	Jet	Conventional	Bit Serial No.	Jet	Conventional
------------	-----	--------------	----------------	-----	--------------	----------------	-----	--------------	----------------	-----	--------------

Nozzle Size	Bit Wear: T B G	Nozzle Size	Bit Wear: T B G	Nozzle Size	Bit Wear: T B G
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Depth	Deviation	Depth	Deviation	Depth	Deviation
-------	-----------	-------	-----------	-------	-----------

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

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

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery
----------	----------	---------	-----------	-----------	----------	----------	----------	---------	-----------	-----------	----------	----------	----------	---------	-----------	-----------	----------

From	To	Hrs.	From	To	Hrs.	From	To	Hrs.
------	----	------	------	----	------	------	----	------

WOC 12
Back off casing
pick up sub
put conductor pipe 8 8
FF

WOC 8 4
HEAD UP

HEAD UP 4 12

Driller: A. Clements

Driller: Phil Rowe

Driller: Vic Biqua

CLASSES OF TIME BREAKDOWN
 TOTCO: CONDITIONING MUD: CASING: LOGGING: RIG MAINTENANCE: REAMING CLEANING: DID YOU CHECK PREVENTER EQUIPMENT?
 FISHING: TRIPPING: W.O.C. W.O. ORDERS: MISCELLANEOUS: WORKING PIPE. YES NO
 CIRCULATING: CORING: D.S. TESTING: RIG REPAIRS: CONDITION HOLE: LOST CIRC.

Total Contract Timehrs. Total Company Timehrs. Toolpusher Approved by

IMPERIAL OIL LIMITED

IOE Blow River

Lsd..... Sec..... Twn..... Rge..... W.....

Contractor *MAT 3*

Month *May* Day *22*

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

Table with columns: From, To, Hole Made, Bit Size, Formation. Includes handwritten '50' and '850'.

Table with columns: D.P., Stands, Singles, Kelly, Drill. Collar Ft., Core Bbl. Ft.

Table with columns: DRILL Number, OD, ID, Length, INDICATOR WEIGHT OF TOTAL

Table with columns: COLLAR, DRILLING STRING, DRILL COLLARS

Table with columns: No., Type, Time On Bit, Footage, WOB, RPM, Depth Pulled, Total Footage Drilled, Reamed

Table with columns: Serial No., Jet, Conventional

Table with columns: Nozzle Size, Bit Wear: T, B, G

Table with columns: Depth, Deviation

Table with columns: HOURS, Pump Press, Length of Pump Stroke, Strokes Per Min, Liner Size

Table with columns: Time, Visc., Wt., W L, pH, ADDITIVES — POUNDS

Table with columns: Core No., Depth In, Footage, Hours Run, Depth Out, Recovery

Table with columns: From, To, Hrs.

Table with columns: From, To, Hrs.

Table with columns: From, To, Hrs.

Table with columns: From, To, Hrs.

Table with columns: From, To, Hrs.

Table with columns: From, To, Hrs.

Table with columns: From, To, Hrs.

Table with columns: From, To, Hrs.

Table with columns: From, To, Hrs.

Table with columns: From, To, Hrs.

Table with columns: From, To, Hrs.

Table with columns: From, To, Hrs.

Table with columns: From, To, Hrs.

Table with columns: From, To, Hrs.

Table with columns: From, To, Hrs.

Table with columns: From, To, Hrs.

Table with columns: From, To, Hrs.

Table with columns: From, To, Hrs.

Table with columns: From, To, Hrs.

Table with columns: From, To, Hrs.

02 (300 bks.-6-65)

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 14

IOF Blow River Lsd. Sec. Twn. Rge. W. Contractor MATS Month May Day 21

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

From To Hole Made Bit Size Formation From To Hole Made Bit Size Formation From To Hole Made Bit Size Formation

850 850

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

DRILL Number OD ID Length INDICATOR WEIGHT OF TOTAL DRILL Number OD ID Length INDICATOR WEIGHT OF TOTAL DRILL Number OD ID Length INDICATOR WEIGHT OF TOTAL

DRILLING STRING DRILL COLLARS COLLAR DRILLING STRING DRILL COLLARS COLLAR DRILLING STRING DRILL COLLARS

DATA DATA DATA

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

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

Nozzle Size Bit Wear T B G Nozzle Size Bit Wear T B G Nozzle Size Bit Wear T B G

Depth Deviation Depth Deviation Depth Deviation

HOURS Pump Length of Pump Strokes Per Min. Liner Size HOURS Pump Length of Pump Strokes Per Min. Liner Size HOURS Pump Length of Pump Strokes Per Min. Liner Size

On Line Circulating On Line Circulating On Line Circulating

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

Core No. Depth In Footage Hours Run Depth Out Recovery Core No. Depth In Footage Hours Run Depth Out Recovery Core No. Depth In Footage Hours Run Depth Out Recovery

From To Hrs. From To Hrs. From To Hrs.

RUN CASING 12 8 8 RUN 20' CASING 8 10:30 2 1/2 CLEAN UP AFTER CEMENTING 4 1/2

CIRCULATING CASING 10:30 11:05 1 1/4 PICK UP TUBING TO

PREPARE TO CEMENT 11:45 12:00 1/4 CIRCULATE CASING

RUN CEMENT 12:00 2:45 2 3/4 HOOK UP WATER PUMPS

PREPARE TO PUMP PLUG DOWN 2:45 3:15 1/2 AT WATER HOLE

PUMP PLUG DOWN 3:15 3:30 1/4

CLEAN UP 3:30 4:00 1/2

Driller A. Clemente Driller Phil Rowe Driller Vic Bugera

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

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

IMPERIAL OIL LIMITED

JOE Blow River Lsd. Sec. Twn. Rge. W. Contractor N.A. 3 Month May Day 20

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

Table with columns for From, To, Hole Made, Bit Size, Formation, Size-D.P., Stands, Singles, Kelly, Drill Collar Ft., Core Bbl. Ft., etc. for three tours.

Series No. 29928 Jet [] Conventional [] Bit Serial No 29928 - 3P477J Jet [] Conventional [] Bit Serial No 3P477J Jet [] Conventional []

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

Table with columns for HOURS, Pump Press, Length of Pump Stroke, Strokes Per Min., Liner Size.

Table with columns for Time, Visc., Wt., W L, pH, ADDITIVES - POUNDS.

Table with columns for Core No., Depth In, Footage, Hours Run, Depth Out, Recovery.

Table with columns for From, To, Hrs. and descriptions of operations like REAMING, CIRCULATE, TRIP OUT, etc.

Driller: G. Clements Driller: Phil Rowe Driller: Vic Bugna

CLASSES OF TIME BREAKDOWN: TOTCO, FISHING, CIRCULATING, etc.

Total Contract Time Total Company Time Toolpusher Approved by

(300 bks.-6-65)

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 12

10E Blow River

Lsd. Sec. Tw. Rge. W. Contractor NAT 3

Month MAY Day 19

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

Table with columns for D.P., Stands, Singles, Kelly, Drill Collar Ft., Core Bbl. Ft., Size-D.P., Stands, Singles, Kelly, Drill Collar Ft., Core Bbl. Ft., Size-D.P., Stands, Singles, Kelly, Drill Collar Ft., Core Bbl. Ft. Includes handwritten data for three tours.

Bit Serial No. 3P4775 Jet Conventional Nozzle Size 3-7/16 3-1/2 Bit Wear T B G

Table with columns for HOURS, Pump Press, Length of Pump Stroke, Strokes Per Min., Liner Size. Includes handwritten data for three tours.

Table with columns for Time, Visc., Wt., W L, pH, ADDITIVES - POUNDS. Includes handwritten data for three tours.

Table with columns for Core No., Depth In, Footage, Hours Run, Depth Out, Recovery. Includes handwritten data for three tours.

Table with columns for From To Hrs. Includes handwritten notes and times for three tours.

Driller: H. ... Driller: A. ... Driller: Phil Rowe

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

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

DID YOU CHECK PREVENTER EQUIPMENT YES NO

IMPERIAL OIL LIMITED

10E Blow River Lsd Sec Tw n Rge W Contractor NAT 3 Month May Day 18

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

Table with columns for From, To, Hole Made, Bit Size, Formation, Stands, Singles, Kelly, Drill Collar Ft., Core Bbl. Ft., Size-D.P., etc. for three tours.

Series No. NA 246 Jet [] Conventional [] Bit Serial No. ND 246 Jet [] Conventional [] Nozzle Size Bit Wear: T B G

Table with columns for HOURS, Pump Press, Length of Pump Stroke, Strokes Per Min, Liner Size, On Line, Circulating.

Table with columns for Time, Visc, Wt, W L, pH, ADDITIVES - POUNDS.

Table with columns for Core No., Depth In, Footage, Hours Run, Depth Out, Recovery.

Table with columns for From, To, Hrs, Ream 17 1/2 To 26, 462 548, REAMING 17 1/2 TO 26, CIRCULATE, TRIP OUT, SERVICE RIG.

Driller: H. Mac Isaac Driller: O. Clemente Driller: Phil Rowe

CLASSES OF TIME BREAKDOWN: TOTCO, FISHING, CIRCULATING, CASING, LOGGING, RIG MAINTENANCE, REAMING CLEANING, DID YOU CHECK PREVENTER EQUIPMENT

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

IMPERIAL OIL LIMITED

1.0E Blow River

Lsd..... Sec..... Twn..... Rge... W..... Contractor NAT 3 Month MAY Day 17

1st Tour From: 12:00 Midnight To: 8:00 a.m.										2nd Tour From: 8:00 a.m. To: 4:00 p.m.										3rd Tour From: 4:00 p.m. To: 12:00 p.m.															
From		To		Hole Made		Bit Size		Formation		From		To		Hole Made		Bit Size		Formation		From		To		Hole Made		Bit Size		Formation							
850 SHOCK SUB 283 REAMER 380										850										850 SHOCK SUB 8 BIT 302															
Stands		Singles		Kelly		Drill Collar Ft.		Core Bbl. Ft.		Stands		Singles		Kelly		Drill Collar Ft.		Core Bbl. Ft.		Stands		Singles		Kelly		Drill Collar Ft.		Core Bbl. Ft.							
1		11		111.21		BIT SUB 260 COSUBS 873				2		22		200.46						4 1/2		1		29				BIT 302 COSUBS							
Number		OD		ID		Length		INDICATOR WEIGHT OF TOTAL		DRILL Number		OD		ID		Length		INDICATOR WEIGHT OF TOTAL		DRILL Number		OD		ID		Length		INDICATOR WEIGHT OF TOTAL							
3		9"		3"		28.29		44 M		1		11"		3"		28.20				1		11"		3"		28.20		DRILLING STRING DRILL COLLARS							
COLLAR		3		9"		3"		28.01		COLLAR		3		9"		3"		28.01		COLLAR		3		9"		3"		28.01		DRILLING STRING DRILL COLLARS					
DATA		3		6 3/4		278		52		DATA		3		6 3/4		278		178.38		DATA		6		6 3/4		278		178.38		60M 51 A					
Type		Time On Bit		Footage		WOB		RPM		Depth Pulled		Total Footage Drilled		Reamed		No.		Type		Time On Bit		Footage		WOB		RPM		Depth Pulled		Total Footage Drilled					
STCS 6		200.6		15		140				4		STCS 13 1/2		311		15		140		311		4		STCS 18		362		12-15 140 362		5		OSC			
Bit Serial No. REAMER 3P4775 Jet <input checked="" type="checkbox"/> Conventional <input type="checkbox"/>										Bit Serial No. REAMER 3P4775 Jet <input checked="" type="checkbox"/> Conventional <input type="checkbox"/>										Bit Serial No. REAMER 3P4775 Jet <input checked="" type="checkbox"/> Conventional <input type="checkbox"/>															
Nozzle Size 3 1/2 - 3 3/8 Bit Wear: T B G										Nozzle Size 3 1/2 - 3 3/8 Bit Wear: T B G										Nozzle Size NO 246 Bit Wear: T B G															
Deviation										Deviation										Deviation															
HOURS		Pump Press		Length of Pump Stroke		Strokes Per Min.		Liner Size		HOURS		Pump Press		Length of Pump Stroke		Strokes Per Min.		Liner Size		HOURS		Pump Press		Length of Pump Stroke		Strokes Per Min.		Liner Size							
On Line		Circulating		250		8 1/2		195 6		On Line		Circulating		7 1/2		275		8 1/2		250 6		On Line		Circulating		4 3/4		325		8 1/2 200					
Visc.		Wt.		W L		pH		ADDITIVES — POUNDS		Time		Visc.		Wt.		W L		pH		ADDITIVES — POUNDS		Time		Visc.		Wt.		W L		pH		ADDITIVES — POUNDS			
1:50		9.84		9.5		water				8:00		120		10.0		10.5		ML		15		4:00		115		100		10.5		2V 1 GAL					
1:25		9.84		9.5		OxL-2300 lb.				10:00		130		11.0		10.5		Water				6:00		130		100		10.0		11 1400					
						Q.V. 1 1/2 gal.				1:30		120		9.9		10.5		Gal 1.5 gal				8:30		155		10.0		10.0		WATER					
						Caustic - 50 lb.				3:30		150		10.0		11.5		Spartan												CAUSTIC 50					
						Spartan - 4800 lb.												Caustic - 25 lb.												STATION					
Core No.		Depth In		Footage		Hours Run		Depth Out		Recovery		Core No.		Depth In		Footage		Hours Run		Depth Out		Recovery		Core No.		Depth In		Footage		Hours Run		Depth Out		Recovery	
From To Hrs.										From To Hrs.										From To Hrs.															
sh welding conductor weld 12:00										REAMING 17 1/2 - 26 8										REAMING 17 1/2 TO 26" 4:00 8:30															
apps on pilot BIT to REAMER 1:15 1:4										200 9 1										CIRCULATING 8:30 8:45															
ke REAMER 11" COLLAR, SHOCK 1:5										WORK ON MUD MIX 9 9:30 2										TRIP OUT 8:45 10:00															
+ CROSS OVER SUBS TO KELLY 2:00 2:4										REAMING 311 9:30 4 6 2										SERVICE RIG 10:00 10:30															
REAMING 17 1/2 TO 26" 2:00 8:00 6																				TRIP IN HOLE 10:30 11:45															
0 - 200 8																				WORK TO BOTTOM 11:45 12:00															
Driller: H. Max G. Poor										Driller: C. Callesanta										Driller: Phil Rowe															

CLASSES OF TIME BREAKDOWN		CONDITIONING M.L.D.		CASING: W.O.C.		LOGGING: W.O. ORDERS:		RIG MAINTENANCE: MISCELLANEOUS:		REAMING CLEANING: WORKING PIPE:		DID YOU CHECK PREVENTER EQUIPMENT?	
TOTCO:		TRIPPING:		D.S. TESTING:		RIG REPAIRS:		CONDITION HOLE:		LOST CIRC.		YES NO	
CIRCULATING:		CORING:											

Total Contract Timehrs. Total Company Timehrs. Toolpusher Approved by

IMPERIAL OIL LIMITED

10E Blow River

Lsd. Sec. Tw. Rge. W.

Contractor NAT 3 Month MAY Day 16

1st Tour From: 12:00 Midnight To: 8:00 a.m.												2nd Tour From: 8:00 a.m. To: 4:00 p.m.												3rd Tour From: 4:00 p.m. To: 12:00 p.m.											
From	To	Hole Made	Bit Size	Formation		From	To	Hole Made	Bit Size	Formation		From	To	Hole Made	Bit Size	Formation																			
0				REAMER	3.10	860				REAMER	5.10	850																							
				SHOCK SUB	8.83					SHOCK BIT	8.83																								
D.P.	Stands	Singles	Kelly	Drill Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill Collar Ft.	Core																		
2	3	1	3	467.58	BIT SUB 2.60 Co SUBS 8.73	4 1/2	3	1	Down	467.58	BIT SUB 2.60 Co SUBS 8.73																								
LL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL																		
LAR	3	11 9/8	3	28.20	DRILLING STRING	DRILL COLLARS	COLLAR	3	9	3	28.20	DRILLING STRING	DRILL COLLARS	COLLAR					DRILLING STRING	DRILL															
TA	12	6 3/4	2 1/2	356.37			DATA	12	6 3/4	2 1/2	356.37	80																							
o.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed	No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed	No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed									
	Reamer	10	138	20.25	140				3	Reamer	10 1/4	141	25	140		141																			
Serial No.	REAMER 230R					Jet	<input type="checkbox"/>	Conventional	<input type="checkbox"/>	Bit Serial No.	Reamer 230R					Jet	<input type="checkbox"/>	Conventional	<input type="checkbox"/>	Bit Serial No.						Jet	<input type="checkbox"/>	Conventional	<input type="checkbox"/>						
Nozzle Size						Bit Wear:	T	B	G	Nozzle Size						Bit Wear:	T	B	G	Nozzle Size						Bit Wear:	T	B	G						
Depth	Deviation					Depth	Deviation					Depth	Deviation																						
HOURS	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURS	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURS	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size																					
On Line	600	8 1/2	190	6"	On Line		7 1/2		6"	On Line																									
Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS																		
00	145	10			10 WAIR	8:00	120	11.0			11.5																								
00	138	10			10. CAUSTIC-500 lbs																														
30	138	10			10.5 GEL-500 lbs.																														
00	119	10			10.5 QV-1/2 gal																														
30	137	10			10.5																														
Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery																		
From	To	Hrs.	From	To	Hrs.	From	To	Hrs.																											
REAMING 12 1/4 To 17 1/2	12:00	8:00	REAMING 12 1/4 To 17 1/2	8		TEAR OUT HEADS	4:00	9:30																											
735 - 847			847 To 850	8:15		WELD ON CONDUCTOR PIPE	9:30																												
			CIRC 1 To 100 @ 7 1/2	8:15	8:45	+ PREPARE TO REAM	12:00																												
			TRIP OUT TO DEH head	8:45																															
			Lay down w/ change over																																
			3 1/2 11" DC	11	2 1/4																														
			Tear out heads heads 11	4	5																														
Driller	H. Max G.					Driller	C. Clemente					Driller	Phil Rowe																						

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

Total Contract Timehrs. Total Company Timehrs. Toolpusherhrs. Approve* by

(300 bks.-6-65)

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 8

10E Blow River

Lsd..... Sec..... Twm..... Rge..... W..... Contractor NAT 3

Month MAY Day 15

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

Table with columns for Hole Made, Bit Size, Formation, Stands, Singles, Kelly, Drill Collar Ft., Core Bbl. Ft., Size-D.P., No., Type, Time On Bit, Footage, WOB, RPM, Depth Pulled, Total Footage Drilled, Reamed.

Serial No. REAMER 219R Jet [] Conventional [] Bit Serial No. REAMER 219R Jet [] Conventional []

Nozzle Size Bit Wear: T B G

Table with columns for HOURS, Pump Press, Length of Pump Stroke, Strokes Per Min., Liner Size.

Table with columns for Time, Visc., Wt., W L, pH, ADDITIVES - POUNDS.

Table with columns for Core No., Depth In, Footage, Hours Run, Depth Out, Recovery.

Table with columns for From, To, Hrs. and detailed reaming logs.

Driller: H. From G. ... Driller: Phil Rowe

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 HOLD, REAMING CLEANING, WORKING PIPE, LOST CIRC.

Total Contract Timehrs. Total Company Timehrs. Toolpusher Approved by

DID YOU CHECK PREVENTER EQUIPMENT? YES [] NO []

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 7

10E Blow River Lsd. Sec. Tw. Gg. W. Contractor NAT 3 Month MAY Day 14

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

Table with columns: From, To, Hole Made, Bit Size, Formation. Includes handwritten entries like 'BIT SUB 2.60', 'SHOCK SUB 8.83', '850', '17 1/2', 'BIT SUB 2.60', 'SHOCK SUB 8.83', '850', '17 1/2', 'REAMER'.

Table with columns: D.P., Stands, Singles, Kelly, Drill, Collar Ft., Core Bbl. Ft., Size-D.P., Stands, Singles, Kelly, Drill, Collar Ft., Core Bbl. Ft., Size-D.P., Stands, Singles, Kelly, Drill, Collar Ft., Core Bbl. Ft.

Table with columns: DRILL, Number, OD, ID, Length, INDICATOR WEIGHT OF TOTAL, DRILLING STRING, DRILL COLLARS. Includes handwritten entries like '1', '11', '3', '28.30', '3', '83.01'.

Table with columns: DATA, No., Type, Time On Bit, Footage, WOB, RPM, Depth Pulled, Total Footage Drilled, Reamed. Includes handwritten entries like '1', 'REAMER', '13 1/4', '182', '15-20', '140'.

Table with columns: Bit Serial No., Jet, Conventional, Nozzle Size, Bit Wear, T, B. Includes handwritten entries like '10099R REAMER', '10099R Reamer', '1G'.

Table with columns: Depth, Deviation. Includes handwritten entries like '8', '400', '190', '6'.

Table with columns: HOURS, Pump Press, Length of Pump Stroke, Strokes Per Min., Liner Size. Includes handwritten entries like '4', '325', '8 1/2', '190', '6'.

Table with columns: Time, Visc., Wt., W L, pH, ADDITIVES - POUNDS. Includes handwritten entries like '8:00', '140', '10.5', '1.5', 'Caustic', '25 lb'.

Table with columns: Core No., Depth In, Footage, Hours Run, Depth Out, Recovery. Includes handwritten entries like '10', '165', '10', '10.5', 'WATER'.

Table with columns: Core No., Depth In, Footage, Hours Run, Depth Out, Recovery. Includes handwritten entries like '10', '120', '10.1', '10.5', 'Q.V. 1 quart', 'BEL-700 lb.'.

Table with columns: Core No., Depth In, Footage, Hours Run, Depth Out, Recovery. Includes handwritten entries like '10', '165', '10', '10.5', 'WATER'.

Table with columns: Core No., Depth In, Footage, Hours Run, Depth Out, Recovery. Includes handwritten entries like '10', '120', '10.1', '10.5', 'Q.V. 1 quart', 'BEL-700 lb.'.

Table with columns: Core No., Depth In, Footage, Hours Run, Depth Out, Recovery. Includes handwritten entries like '10', '165', '10', '10.5', 'WATER'.

Table with columns: Core No., Depth In, Footage, Hours Run, Depth Out, Recovery. Includes handwritten entries like '10', '120', '10.1', '10.5', 'Q.V. 1 quart', 'BEL-700 lb.'.

Table with columns: From, To, Hrs. Includes handwritten entries like '12 1/4', '17 1/2', '8', '4', '8'.

Table with columns: From, To, Hrs. Includes handwritten entries like '12 1/4', '17 1/2', '8', '4', '8'.

Table with columns: From, To, Hrs. Includes handwritten entries like '12 1/4', '17 1/2', '8', '4', '8'.

Table with columns: From, To, Hrs. Includes handwritten entries like '12 1/4', '17 1/2', '8', '4', '8'.

Table with columns: From, To, Hrs. Includes handwritten entries like '12 1/4', '17 1/2', '8', '4', '8'.

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Table with columns: From, To, Hrs. Includes handwritten entries like '12 1/4', '17 1/2', '8', '4', '8'.

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Table with columns: From, To, Hrs. Includes handwritten entries like '12 1/4', '17 1/2', '8', '4', '8'.

Table with columns: From, To, Hrs. Includes handwritten entries like '12 1/4', '17 1/2', '8', '4', '8'.

Table with columns: From, To, Hrs. Includes handwritten entries like '12 1/4', '17 1/2', '8', '4', '8'.

(300 bks.-6-55)

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 6

10E Blow River

Lsd..... Sec..... Twn..... Rge..... W.....

Contractor NAT 3 Month MAY Day 13

1st Tour From: 12:00 Midnight To: 8:00 a.m.										2nd Tour From: 8:00 a.m. To: 4:00 p.m.										3rd Tour From: 4:00 p.m. To: 12:00 p.m.									
From	To	Hole Made	Bit Size	REAMER	For	Block	Sub	From	To	Hole Made	Bit Size	REAMER	For	Block	Sub	From	To	Hole Made	Bit Size	REAMER	For	Block	Sub						
713	713	35	12 1/4	STAB	22.70	BIT	100	713	767	54	12 1/4	STAB	22.70	BIT	100	767	850	83	12 1/4	STAB	22.70	BIT	100						
D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.						
2			24	467.58	BIT sub 2.60	4 1/2	2	1	DOWN	467.58	BIT sub 2.60	4 1/2	3	1	12	467.58	BIT sub 2.60	4 1/2	3	1	12	467.58	BIT sub 2.60						
DRILL	Number	OD	ID	Length	INDICATOR	WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR	WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR	WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR	WEIGHT OF TOTAL		
3		9"	3"	23.20	DRILLING STRING	DRILL COLLARS	3		9"	3"	23.20	DRILLING STRING	DRILL COLLARS	3		9"	3"	23.20	DRILLING STRING	DRILL COLLARS	3		9"	3"	23.20	DRILLING STRING	DRILL COLLARS		
DATA	12	6 3/4"	2 7/8"	356.37	78 M	52 M	DATA	12	6 3/4"	2 7/8"	356.37	78 M	52 M	DATA	12	6 3/4"	2 7/8"	356.37	78 M	52 M	DATA	12	6 3/4"	2 7/8"	356.37	78 M	52 M		
No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed	No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed	No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed			
4	OSC	10 1/2	51	15-20	54				4	OSC	10 1/2	51	15-20	54				4	OSC	10 1/2	51	15-20	54						

Serial No. FP 374 Jet <input checked="" type="checkbox"/> Conventional <input type="checkbox"/>						Bit Serial No. FP 374 Jet <input checked="" type="checkbox"/> Conventional <input type="checkbox"/>						Bit Serial No. FP 374 Jet <input checked="" type="checkbox"/> Conventional <input type="checkbox"/>					
Nozzle Size 3-20		Bit Wear: T B G		Deviation 1 1/8		Nozzle Size 3-20		Bit Wear: T B G		Deviation 1 1/8		Nozzle Size 3-20		Bit Wear: T B G		Deviation 1 1/8	
HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
On Line	Circulating	750	8 1/2	175	6"	On Line	Circulating	750	8 1/2	175	6"	On Line	Circulating	750	8 1/2	175	6"

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
8:00	110	10.1			10.5 WATER	8:00	110	10.1			10.5	5:00	135	10.1			10.5 G.V. 1 QT
10:30	155	10.1			10.5 G.V. 1 quart	10:30	155	10.1			10.5	7:00	150	10.1			10.5 GEL 400
1:00	145	10.1			11.0 GEL 500 lbs	1:00	145	10.1			11.0	9:00	150	10.1			10.0 WATER
3:00	142	10.1			11.0	3:00	142	10.1			11.0	10:45	160	10.1			11.5 CAUSTIC 50

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery
MP Refridge Unit 18" From To Hrs.						TEMP FRIDGE UNIT 40 From To Hrs.						TEMP FRIDGE UNIT 40 From To Hrs.					
DRILLING 12 1/4 HOLE 12:00 5:45 5 3/4						DRILLING 8:11 11:30 3 1/4						WORK ON HOOK ON BLOCKS 4:00 5:00					
RC AND SURVEY 5:45 6:15 1/2						TOTAL @ 724 14 11:15 11:45 3/4						DRILLING 5:00 10:15					
DRILLING 12 1/4 HOLE 6:15 8:00 1 7/8						DRILLING 11:45 3:30 3 3/4						CIRCULATE 10:15 10:30					
8						WORK ON HOOK ON 3:30						TOTAL @ 845 10:30 10:45					
						BLOCKS 4 1/2						PULL OUT 10:45 12:00					
Driller: H. M. ...						Driller: C. Clemente						Driller: Phil. Rowe					

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.

Total Contract Timehrs. Total Company Timehrs. Toolpusher Approved by

(300 bks.-6-65)

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 5

106 Blow River 547 Lsd. Sec. Tw. Rge. W. Contractor MAT3 Month May Day 12

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation									
4	657	13	12 1/4	BIT SUB 260	4	662	5	12 1/4	BIT SUB 260	4	678	16	12 1/4	BIT SUB 260									
Stands	Singles	Kelly	Drill Collar Ft.	Core Bbl. Ft.	Stands	Singles	Kelly	Drill Collar Ft.	Core Bbl. Ft.	Stands	Singles	Kelly	Drill Collar Ft.	Core Bbl. Ft.									
1	2	25	467.58	RA SUBS 873	1	2	20	467.58	RA SUBS 873	4	1	2	26	467.58	RA SUBS 873								
DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL						
COLLAR	3	11"	9"	3	28.20	DRILLING STRING	DRILL COLLARS	COLLAR	3	11"	9"	3	28.20	DRILLING STRING	DRILL COLLARS	COLLAR	3	11"	9"	3	28.20	DRILLING STRING	DRILL COLLARS
DATA	12	6 3/4	2 7/8	356.37	73M	DATA	12	6 3/4	2 7/8	356.37	73M	DATA	12	6 3/4	2 7/8	356.37	76M						
Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Reamed
YS1	14 3/4	48	4-10	80				YS1	16 1/2	53	4-7	80	662	53	OS001	3	16	15	52				

Serial No. 483724 Jet Conventional Bit Serial No. 483724 FP 374 Jet Conventional Nozzle Size 3-20 Bit Wear: T B G

HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size	HOURS		Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
On Line	Circulating					On Line	Circulating					On Line	Circulating				
		775	8 1/2	185	6"	1 3/4		775	8 1/2	185	6"	3		750	12	165	

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS	Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
12:00	10.1	10	1.5	10.5	CAUSTIC 50	9:00	13.4	10	10.5	water	4:00	15	10	10.5			
1:30	10.1	9.5	1/2	9.5		10:00	147	9.7	10.5	AV. 1 can +	9:00	120	10.1	11.5	6.0	1 gal	
1:50	10	10.5								GEL-500 1 can	11:00	120	10.1	11.5	6.0	1 gal	
2:40	10	10.5															

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery	Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery
TEMP. RECORDER UNIT			2														

From	To	Hrs.	Description	From	To	Hrs.	Description	From	To	Hrs.	Description
12:00	1:30	1 1/2	DRILLING	8:05	9:45	1 3/4	DRILLING	4:00	5:00	1	Lay down drilling rods
1:30	2:00	1/2	TRIP OUT - P.C.	9:45	10:15	1/2	CIRC. SURVEY 658	5:00	6:00	1	Change around Reamer
2:00	8:00	6	DRILLING WITH REDUCED W.O.B. 4M	10:15	12:00	1 3/4	TRIP OUT hole good	6:00	7:00	1	Shook sub Reamer
				12:00	12:00	0	PICK UP DRILLING TOOLS CHANGE	7:00	9:00	2	DRILLING
							CUTTERS IN REAMER				
							SERVICE RIG				
							WAIT ON ORDERS				

Driller: J. C. ... Driller: H. Max ... Driller: J. Clemente

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

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

000 hks.-6-65)

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 4

O.E. Blow River F47 Lsd. Sec. Twn. Rge. W. Contractor A.H.T.3 Month M-54 Day 11

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

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

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

Table with columns: From, To, Hole Made, Bit Size, Formation, Stands, Singles, Kelly, Drill Collar Ft., Core Bbl. Ft., Number, OD, ID, Length, INDICATOR WEIGHT OF TOTAL, DRILLING STRING, DRILL COLLARS, Type, Time On Bit, Footage, WOB, RPM, Depth Pulled, Total Footage Drilled, Reamed.

Table with columns: From, To, Hole Made, Bit Size, Formation, Stands, Singles, Kelly, Drill Collar Ft., Core Bbl. Ft., Number, OD, ID, Length, INDICATOR WEIGHT OF TOTAL, DRILLING STRING, DRILL COLLARS, DATA, No., Type, Time On Bit, Footage, WOB, RPM, Depth Pulled, Total Footage Drilled, Reamed.

Table with columns: From, To, Hole Made, Bit Size, Formation, Stands, Singles, Kelly, Drill Collar Ft., Core Bbl. Ft., Number, OD, ID, Length, INDICATOR WEIGHT OF TOTAL, DRILLING STRING, DRILL COLLARS, DATA, No., Type, Time On Bit, Footage, WOB, RPM, Depth Pulled, Total Footage Drilled, Reamed.

Bit Serial No. 660406 Jet Conventional Nozzle Size 3-20 Bit Wear: T B G

Bit Serial No. 660406 483724 Jet Conventional Nozzle Size 3-20 Bit Wear: T 4 B 4 G 1

Bit Serial No. 660406 483724 Jet Conventional Nozzle Size 3-20 Bit Wear: T B

Table with columns: HOURS, Pump Press, Length of Pump Stroke, Strokes Per Min., Liner Size.

Table with columns: HOURS, Pump Press, Length of Pump Stroke, Strokes Per Min., Liner Size.

Table with columns: HOURS, Pump Press, Length of Pump Stroke, Strokes Per Min., Liner Size.

Table with columns: Visc., Wt., W L, pH, ADDITIVES - POUNDS.

Table with columns: Time, Visc., Wt., W L, pH, ADDITIVES - POUNDS.

Table with columns: Time, Visc., Wt., W L, pH, ADDITIVES - POUNDS.

No. Depth In Footage Hours Run Depth Out Recovery

Core No. Depth In Footage Hours Run Depth Out Recovery

Core No. Depth In Footage Hours Run Depth Out Recovery

Table with columns: From, To, Hrs., DRILLING, C. - TOTCO, DRILLING, C. BEFORE TRIP, L1 STAND - FROTE LIGHT 700, KELLY ON PULC. & DRK STRING.

Table with columns: From, To, Hrs., CIRC hole CLEAN, RAISE VIS 8, TRIP OUT, SERVICE Rig Check Hydril 12, WORK ON BREAKOUT CATHEAD, MAKE up pilot BITS on 12 1/2 REAMER, TRIP IN HOLE.

Table with columns: From, To, Hrs., Clean out Bridge @ 549, DRILLING, WORK ON pump, DRILLING, SH Den 2.67.

Driller: E. J. ...

Driller: H. ...

Driller: C. ...

CLASSES OF TIME BREAKDOWN: TOTCO, FISHING, CIRCULATING, CONDITIONING MUD, TRIPPING, DRING, CASING, WOC, D.S. TESTING, LOGGING, W.O. ORDERS, RIG REPAIRS, RIG MAINTENANCE, MISCELLANEOUS, CONDITION HOLE, REAMING CLEANING, WORKING PIPE, LOST CIRC., APPROVED BY: [Signature]

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

(300 bks.-6-65)

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 31

10 E Blow River 647 Lsd. Sec. Tw. lge. W. Contractor 143 Month MAY Day 10

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation	From	To	Hole Made	Bit Size	Formation			
71	466	95	12 1/4	8" 1.00 Bit sub 2.60	466	539	73	12 1/4	8" 1.00 Bit sub 2.60	539	574	35	12 1/4	8" 1.00 Bit sub 2.60			
D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.	Size-D.P.	Stands	Singles	Kelly	Drill. Collar Ft.	Core Bbl. Ft.
			30	437.88	8.73	4 1/2		1	17	467.58	8.73	4 1/2		2	17	467.58	8.73
L	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL	DRILL	Number	OD	ID	Length	INDICATOR WEIGHT OF TOTAL
AR	3	9	3	25.20	23.01	COLLAR	3	9	3	28.20	23.01	COLLAR	3	9	3	28.20	23.01
A	11	6 1/4	2 1/8	68	62	DATA	12	6 1/4	2 1/8	356.37	70	DATA	12	6 1/4	2 1/8	356.37	70
s.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Keamed	No.	Type	Time On Bit	Footage	WOB	RPM	Depth Pulled	Total Footage Drilled	Keamed
	4114	10 1/4	12 1/4	15-20	70				2	YFH 18	197	15-25	65				

Serial No. 660406 Jet Conventional
 Nozzle Size 3-20 Bit Wear: T B G
 Depth 515 Deviation 1/2

HOURS	Pump Press	Length of Pump Stroke	Strokes Per Min.	Liner Size
On Line	600	8 1/2	175	6"

Time	Visc.	Wt.	W L	pH	ADDITIVES — POUNDS
9:00	10	10.1			10.5 water
10:30	133	10.4			10 Q.V. 1/2 gal
12:00	104	10.4			10 GEL-1400 lbs
2:00	87	10.4			9.5 CAUSTIC - 40 lbs
3:30	110	10.4			10.5

Core No.	Depth In	Footage	Hours Run	Depth Out	Recovery

From	To	Hrs.	Description
12:00	8:00	8	DRILLING 12 1/4 HOLE
			CIRC. CONNECTION TO TCO 12 30 1 00 1/2
			SERVICE RIG CHECK KELLY WORK 1 00 1 15 1/4
			DRILLING 12 1/4 HOLE 1 15 4 00 2 3/4

Driller: P. Clemente

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

Total Contract Timehrs. Total Company Timehrs. Toolpusher Approved by

IMPERIAL OIL LIMITED

10 E. ... Lsd. ... Sec. ... Tw. ... Rge. ... W. ... Contractor ... Month ... Day ...

1st Tour From: 12:00 Midnight To: 8:00 a.m. Table with columns: From, To, Hole Made, Bit Size, Formation, Stands, Singles, Kelly, Drill, Collar Ft., Core Bbl. Ft.

2nd Tour From: 8:00 a.m. To: 4:00 p.m. Table with columns: From, To, Hole Made, Bit Size, Formation, Stands, Singles, Kelly, Drill, Collar Ft., Core Bbl. Ft.

3rd Tour From: 4:00 p.m. To: 12:00 p.m. Table with columns: From, To, Hole Made, Bit Size, Formation, Stands, Singles, Kelly, Drill, Collar Ft., Core Bbl. Ft.

Series No. 660759 Jet [] Conventional [] Nozzle Size 3-20 Bit Wear: T B G

Bit Serial No. 660759 Jet [] Conventional [] Nozzle Size 3-20 Bit Wear: T B G

Bit Serial No. 660759 - 660406 Jet [] Conventional [] Nozzle Size 3-20 - 3-20 Bit Wear: T B G

Table with columns: HOURS, Pump Press, Length of Pump Stroke, Strokes Per Min., Liner Size

Table with columns: HOURS, Pump Press, Length of Pump Stroke, Strokes Per Min., Liner Size

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Table with columns: Time, Visc., Wt., W L, pH, ADDITIVES - POUNDS

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Table with columns: Time, Visc., Wt., W L, pH, ADDITIVES - POUNDS

Table with columns: Core No., Depth In, Footage, Hours Run, Depth Out, Recovery

Table with columns: Core No., Depth In, Footage, Hours Run, Depth Out, Recovery

Table with columns: Core No., Depth In, Footage, Hours Run, Depth Out, Recovery

Table with columns: From, To, Hrs. (Log entries: DRILLING, CIRC. TO T.C.O., S.T.C.O., TIGHT HOLE, DRILLING, CIRC. TO TRIP, TRIP OUT - TIGHT HOLE, KELLY ON - CIRC.)

Table with columns: From, To, Hrs. (Log entries: CIRC. CLEAN HOLE TO TRIP, RAISE W.L. TRYING TO PULL OUT)

Table with columns: From, To, Hrs. (Log entries: RAISE W.L. TRIP OUT, CHANGE BITS, DRILLING)

Driller: [Signature]

Driller: [Signature]

Driller: [Signature]

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

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

(300 bks.-6-65)

IMPERIAL OIL LIMITED

DAILY DRILLING REPORT No. 1

LOE Blow River Lsd. Sec. Tw. Rge. W. Contractor NAT 3 Month MAY Day 8

1st Tour From: 12:00 Midnight To: 8:00 a.m. 2nd Tour From: 8:00 a.m. To: 4:00 p.m. 3rd Tour From: 4:00 p.m. To: 12:00 p.m.

Table with columns: From, To, Hole Made, Bit Size, Formation

Table with columns: Stands, Singles, Kelly, Drill Collar Ft., Core Bbl. Ft.

Table with columns: DRILL Number, OD, ID, Length, INDICATOR WEIGHT OF TOTAL

Table with columns: No., Type, Time On Bit, Footage, WOB, RPM, Depth Pulled, Total Footage Drilled, Reamed

Table with columns: Jet, Conventional, Bit Serial No., Nozzle Size, Bit Wear, T, B, G

Table with columns: HOURS, Pump Press, Length of Pump Stroke, Strokes Per Min., Liner Size

Table with columns: Time, Visc., Wt., W L, pH, ADDITIVES - POUNDS

Table with columns: Core No., Depth In, Footage, Hours Run, Depth Out, Recovery

Table with columns: From, To, Hrs.

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