

10.7
UR
FT
FT
FT
FT
FT
FT
FT
FT
FT
FEET
FEET
FEET
HOURS
10 PM

MATERIALS CHEMICALS ADDED		From	To
UR		1700	
R 2		800	
R 3		400	

OTHER HOURLY OPERATING DETAIL WORK DONE

Time 20:00 - 21:00
 Lay down 1" of 16" x 16" x 1/2" insulation under pad for Derrick
 TEAR OUT FLOOR + CLEAR
 LAY DERRICKS DOWN + MOVE UP THE HILL
 300 LAY INSULATION UNDER PAD FOR
 DERRICKS
 TEAR ROOF OFF CAMP 2 + DECK + WALLS
 CAN TEAR B.G.

CHINA MUD TANK + WASH
 WASH PUMPS
 WASH OUT SAW DUST
 PUT 5 SACKS PLUG IN TOP OF
 CASING.

CEMENTING, TESTING, PLUGGING, SPECIAL JOB DETAILS, INCLUDING ENGINEERING SUMMARIES

Tear outy BOPP - Break off casing
 Bore. Put 5 sack cement plug ^{TOP}
 on casing - weld steel plate on
 top.
 Rig Released at 5:00 A.M.
 H. Herring

H. Herring
 SIGNATURE COMPANY ENGINEER

TOUR REPORT

EAST PRODUCTION CONTRACTOR GP 24

FIELD *Wild Cat* WELL NAME *VT-F-14* DATE *April 30* 1972

DRILLING DEEPENING COMPLETING REDRILLING ABANDONING REWORKING

DRILLING ASSEMBLY	END OF MORNING TOUR		END OF DAYLIGHT TOUR		END OF AFTERNOON TOUR	
STANDS	D.P.	NO	FT	NO	FT	NO
SINGLE	D.P.	NO	FT	NO	FT	NO
X OVER SUB	O.D.		FT		FT	
OTHER	O.D.		FT		FT	
DRILL COLLARS	O.D.		FT		FT	
DRILL COLLARS	O.D.	NO	FT	NO	FT	NO
REAMER	O.D.	KIND	FT	KIND	FT	KIND
STABILIZER	O.D.	KIND	FT	KIND	FT	KIND
JARS	O.D.	KIND	FT	KIND	FT	KIND
BUMPER SUB	O.D.	KIND	FT	KIND	FT	KIND
BIT OR CORE BARREL			FT		FT	
TOTAL D.P. & TOOLS			FT		FT	
KELLY DOWN (BELOW R.B.)			FT		FT	
DEPTH OF TOOLS			FT		FT	

Final 800

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	6720	6728	6728
DEPTH START OF TOUR			6728
FOOTAGE DRILLED			

DAY WORK	MORNING TOUR				DAYLIGHT TOUR				AFTERNOON TOUR			
	2:00 AM	4:00 AM	6:00 AM	8:00 AM	10:00 AM	12:00 AM	2:00 PM	4:00 PM	6:00 PM	8:00 PM	10:00 PM	12:00 AM
PUMP	/											
ROTARY SPEED	/											
WEIGHT ON BIT	/											
MUD WEIGHT	/											
VISCOSITY	/											
W.L.F.C.	/											
pH	/											
MUD LEVEL IN TANKS	/											

FELT
Close
400 PSI
Plug
mixing
Plug Co
= ETC

NO.	SIZE	SERIAL	BIT KIND AND TYPE	ET	FROM	TO	REMARKS

CORE No	No	DST No	FROM	TO	REMARKS

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	E. Pittman	W. E. TYSON	E. HICKS
DERRICKMAN	E. Babitane	ROY KENNEDY	W. RENICHER
HELPER	R. Dickie	O. ZEMBAK	J. MARSHALL
HELPER	R. Pederson	ROBIN KATER	W. SHERMAN
HELPER	E. Thomas	J. JACKSON	O. MYRING
FIREMAN			
TOOL PUSHER	R. Hambury		

TOUR REPORT

EAST Production CONTRACTOR GP

FIELD *Wild Cat* WELL NAME *VT-F-14* DATE *April 30* 1972

DRILLING DEEPENING COMPLETING REDRILLING ABANDONING REWORKING

DRILLING ASSEMBLY	END OF MORNING TOUR		END OF DAYLIGHT TOUR		END OF AFTERNOON TOUR	
STANDS	D.P.	NO	FT	NO	FT	NO
SINGLE	D.P.	NO	FT	NO	FT	NO
X OVER SUB	O.D.		FT		FT	
OTHER	O.D.		FT		FT	
DRILL COLLARS	O.D.		FT		FT	
DRILL COLLARS	O.D.	NO	FT	NO	FT	NO
REAMER	O.D.	KIND	FT	KIND	FT	KIND
STABILIZER	O.D.	KIND	FT	KIND	FT	KIND
JARS	O.D.	KIND	FT	KIND	FT	KIND
BUMPER SUB	O.D.	KIND	FT	KIND	FT	KIND
BIT OR CORE BARREL			FT		FT	
TOTAL D.P. & TOOLS			FT		FT	
KELLY DOWN (BELOW R.B.)			FT		FT	
DEPTH OF TOOLS			FT		FT	

Fuel 800

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	<i>6725</i> FEET	<i>6728</i> FEET	6728 FEET
DEPTH START OF TOUR			<i>6728</i> FEET
FOOTAGE DRILLED			

DAY WORK	HOURS				HOURS				HOURS			
	2:00 AM	4:00 AM	6:00 AM	8:00 AM	12:00 AM	2:00 PM	4:00 PM	6:00 PM	8:00 PM	10:00 PM	12:00 AM	
PUMP	/											
ROTARY SPEED	/											
WEIGHT ON BIT	/											
MUD WEIGHT	/											
VISCOSITY	/											
W.L.F.C.	/											
pH	/											
MUD LEVEL IN TANKS	/											

*= FELT
Close
400 PSI
Plug
mixing
Plug Co
= ETC*

NO.	SIZE	SERIAL	BIT KIND AND TYPE	ET	FROM	TO	REMARKS

CORE No	No	DST No	FROM	TO	REMARKS

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	<i>E. Pittman</i>	<i>W. E. TYSON</i>	<i>E. HICKS</i>
DERRICKMAN	<i>E. Babitzke</i>	<i>ROY KENNEDY</i>	<i>W. RENICHER</i>
HELPER	<i>R. Dickie</i>	<i>O. ZEMBAK</i>	<i>J. MARSHALL</i>
HELPER	<i>R. Pederson</i>	<i>ROBIN KATER</i>	<i>W. SHERMAN</i>
HELPER	<i>E. Thomas</i>	<i>J. JACKSON</i>	<i>O. MYRING</i>
FIREMAN			
TOOL PUSHER	<i>R. Hambury</i>		

1972

OUR
FT
FT
FT
FT
FT
FT
FT
FT
FT
FT
FT
FT
FT
FT
R
FEET
FEET
FEET
HOURS
12:00 P.M.

MUD CHEMICALS ADDED		From	To	OTHER HOURLY OPERATING DETAIL WORK DONE
Kind	Amount			
JR 1		12:00	12:15	Rig Ser. 1 ✓ BOP's
		12:15	1:45	Lay Down Pipe
		1:45	6:00	Circulate - Wait on Cement
		6:00	6:00	Run In to Feel Plug #4 (50 stands)
		6:30	7:00	Feel Plug - Pull Out 20 stands
		7:00	8:00	1 stand + 1 grade In Hole
				Rig Up to Cement
Feel 8:00 AM.				
JR 2		8:00	8:15	Rig Ser. BOP's
		8:15	8:30	Hookup B.J. Press Test Formation
		8:30	9:00	Run Plug #5
		9:00	9:30	Hoist Out
		9:30	12:00	Lay Down Drill Pipe
		12:00	4:00	W.O.C.
FEEL 3				
		4:00	4:15	RIG SER. B.O.P.
		4:15	7:30	W.O.C.
		7:30	8:00	RUN IN FEEL PLUG #5
		8:00	9:30	FIN. LAY DOWN DRILL PIPE
		9:30	12:00	PULL RAT. HOLE - LAY DOWN KELLY
				TRY TO PULL MOUSE-HOLE - CHIP CEMENT.

CEMENTING TESTING FISHING SPECIAL JOB DETAILS INCLUDING ENGINEERING SUMMARIES

FEEL PLUG #4 at 2135' at 6:30 AM.
 Close Hydril - pressure up on formation - Probe at 400 PSI and at 1/2 B.P.M. @ 150 PSI. and at 11.5 #/gal.
 Plug #5 570' - 750' w/75 lbs cement + 3% extra mixing time: 7 min. Displacing time: 4 min.
 Plug down at: 7:40 AM. DST.
 FEEL PLUG #5 at 745' at 5:00 PM.

[Signature]
 SIGNATURE COMPANY ENGINEER

TOUR REPORT

FIELD WLD CM WELL NAME End Group #1 CONTRACTOR CP DATE April 24
 [] DRILLING [] DEEPENING [] COMPLETING
 [] REDRILLING [x] ABANDONING [] REWORKING EST. OF HOURS ENDING 12 M. April 24 1972

DRILLING ASSEMBLY	END OF MORNING TOUR				END OF DAYLIGHT TOUR				END OF AFTERNOON TOUR			
STANDS	D.P.	NO.	FT.	NO.	FT.	NO.	FT.	NO.	FT.	NO.	FT.	
SINGLE	D.P.	NO.	FT.	NO.	FT.	NO.	FT.	NO.	FT.	NO.	FT.	
X OVER SUB	O.D.		FT.		FT.		FT.		FT.		FT.	
OTHER	O.D.		FT.		FT.		FT.		FT.		FT.	
DRILL COLLARS	O.D.		FT.		FT.		FT.		FT.		FT.	
DRILL COLLARS	O.D.	NO. KIND	FT.	NO. KIND	FT.	NO. KIND	FT.	NO. KIND	FT.	NO. KIND	FT.	
REAMER	O.D.	KIND	FT.	KIND	FT.	KIND	FT.	KIND	FT.	KIND	FT.	
STABILIZER	O.D.	KIND	FT.	KIND	FT.	KIND	FT.	KIND	FT.	KIND	FT.	
JARS		KIND	FT.	KIND	FT.	KIND	FT.	KIND	FT.	KIND	FT.	
BUMPER SUB		KIND	FT.	KIND	FT.	KIND	FT.	KIND	FT.	KIND	FT.	
B.T OR CORE BARREL			FT.		FT.		FT.		FT.		FT.	
TOTAL D.P. & TOOLS			FT.		FT.		FT.		FT.		FT.	
KELLY DOWN BELOW R.F.			FT.		FT.		FT.		FT.		FT.	
DEPTH OF TOOLS			FT.		FT.		FT.		FT.		FT.	

Fuel 800 A

TOUR	MORNING TOUR				DAYLIGHT TOUR				AFTERNOON TOUR				
DEPTH END OF TOUR	<u>6728</u>	FEET											
DEPTH START OF TOUR		FEET											
FOOTAGE DRILLED		FEET											

DAY WORK	HOURS								
	2:00 AM	4:00 AM	6:00 AM	8:00 AM	10:00 AM	12:00 AM	2:00 PM	4:00 PM	6:00 PM
PUMP									
ROTARY SPEED									
WEIGHT ON BIT									
MUD WEIGHT									
VISCOSITY									
W.L.F.C.									
MUD LEVEL IN TANKS									

Flow 4
7900
1100

NO.	SIZE	SERIAL	BIT KIND AND TYPE	FEET TEST IN TEST	TOTAL HOURS	REMARKS

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	<u>G. Pittman</u>		<u>R. HICKS</u>
DERRICKMAN	<u>E. BARITZKE</u>		<u>W. REISCHER</u>
HELPER	<u>R. Dickie</u>		<u>J. MARSHALL</u>
HELPER	<u>J. Thomas</u>		<u>W. SHERRIAN</u>
HELPER	<u>R. Pedersen</u>		<u>O. MYRANE</u>
FIREMAN			
TOOL PUSHER	<u>T. R. Thomas</u>		

TOUR REPORT

EAST *Phillips* CONTRACTOR

GP

WELL NO. 211

FIELD *W. Wet* WELL NAME *YT. F 18* SD SEC TWP R. S. W. *ARRIA 28 1972*

DRILLING DEEPENING COMPLETING

REBRILLING ABANDONING REWORKING

FOR 24 HOURS ENDING 12 M.D. 1972

MUD CHEMICALS

DRILLING ASSEMBLY		END OF MORNING TOUR				END OF DAYLIGHT TOUR				END OF AFTERNOON TOUR							
STANDS	D.P.	NO				NO	71	67	02	45	FT	NO					
SINGLE	D.P.	NO				NO					FT	NO					
X OVER SUB	O.D.										FT						
OTHER	O.D.										FT						
DRILL COLLARS	O.D.										FT						
DRILL COLLARS	O.D.	NO				NO					FT	NO					
REAMER	O.D.	KIND				KIND					FT	KIND					
STABILIZER	O.D.	KIND				KIND					FT	KIND					
JARS		KIND				KIND					FT	KIND					
BUMPER SUB		KIND				KIND					FT	KIND					
BIT OR CORE BARREL											FT						
TOTAL D.P. & TOOLS											FT						
KELLY DOWN (BELOW R.P.)											FT						
DEPTH OF TOOLS											FT						

Fuel 800 #1
WT Mah.

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	<i>C 6728</i>	6728	6728
DEPTH START OF TOUR			
FOOTAGE DRILLED			

DAY WORK	HOURS				HOURS				HOURS			
	2:00 AM	4:00 AM	6:00 AM	8:00 AM	10:00 AM	12:00 AM	2:00 PM	4:00 PM	6:00 PM	8:00 PM	10:00 PM	12:00 AM
PUMP												
ROTARY SPEED												
WEIGHT ON BIT												
MUD WEIGHT												
VISCOSITY												
WL F.C.												
pH												
MUD LEVEL IN TANKS												

66900 66900

10.8 11.4

230 130
GASCOY

DST #4
with 7 1/2
to hold
wall gr
annulus
DIESEL
PLUG #1
6 min

NO.	SIZE	SERIAL	BIT KIND AND TYPE	BIT SIZES	FROM	TO	REMARKS

MISRUN

600' SILK. MUD

PLUG #4
mixing
plug

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	<i>G. Pittman</i>	<i>LYLE TYSON</i>	<i>R. HICKS</i>
DERRICKMAN	<i>E. Babitzke</i>	<i>ROY KENNEDY</i>	<i>W. RENICHER</i>
HELPER	<i>R. Dickie</i>	<i>O. ZEMDAK</i>	<i>T. MARSHALL</i>
HELPER	<i>I. Thomas</i>	<i>R. DIANKHAUER</i>	<i>W. SHERMAN</i>
HELPER	<i>R. Pedersen</i>	<i>J. JACKSON</i>	<i>O. HYRANG</i>
FIREMAN			
TOOL PUSHER	<i>[Signature]</i>		

TOUR REPORT

WILDCAT

CONTRACTOR
 CHEUKONG SBC
 WUE. PORCUPINE VT F-18
 G.P.

24

APRIL 27 1972

FIELD NO. WELL NAME
 DRILLING DEEPENING COMPLETING
 REDRILLING ABANDONING REWORKING FOR 24 HOURS ENDING 12 MIDNIGHT

WATER CHEMICALS

DRILLING ASSEMBLY	END OF MORNING TOUR	END OF DAYLIGHT TOUR	END OF AFTERNOON TOUR
STANDS D.P. NO	622779 FT		
SINGLE D.P. NO	3158 FT		
X OVER SUB O.D.	304 FT		
OTHER O.D.			
DRILL COLLARS O.D.			
DRILL COLLARS 7' O.D. NO 12 KIND	37057 FT		
REAMER O.D. KIND			
STABILIZER O.D. KIND			
JARS + TEST TOOL KIND	12005 FT		
BUMPER SUB KIND			
BIT OR CORE BARREL			
TOTAL D.P. & TOOLS	672135 FT		
KELLY DOWN (BELOW R.B.) SINGLE	665 FT		
DEPTH OF TOOLS	672800 FT		

FUEL 9 AM

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	6728 FEET	6715 FEET	6728 FEET
DEPTH START OF TOUR			
FOOTAGE DRILLED			

DAY WORK	HOURS											
	2:00 AM	4:00 AM	6:00 AM	8:00 AM	10:00 AM	12:00 AM	2:00 PM	4:00 PM	6:00 PM	8:00 PM	10:00 PM	
PUMP S.P.M. P.S.I.	/											
ROTARY SPEED R.P.M.	/											
WEIGHT ON BIT M lbs	/											
MUD WEIGHT lb/gal	/											
VISCOSITY sec/qt	/											
W.L.F.C. c.c./32nd	/											
p.H.	/											
MUD LEVEL IN TANKS Ft-Ins	/											

DIESEL C
 DST # 3
 tank packer
 and plug
 AK-1
 31

NO.	SIZE	SERIAL	BIT KIND AND TYPE	JET SIZES IN INCH	TOTAL HOURS	THROW	TO	REMARKS

Fuel
 DST # 3

CORE No.	No.	DST No	FROM	TO	MUD ENGINEER'S REPORT
		3	3970'	4074'	
TYPE		PREFLOW 5 mins	FHP 2051	FHP 276	
FROM		ISI 50 in 30 mins	FHP 2051	FHP 777	
TO		V.O.S. 35 in 10 mins	FHP 377	FHP 20	
Recovery		F.S.I. 1.5 in 10 mins	F.S.I.P. 1545	FHP No	
HOURS		RECOVERY 84 FLWS	84 FLWS	20 00 sec	strong drilling mud

PRO FLOW
 1-1
 VC
 1-1
 1HP = 1.4
 FHP = 2.4
 1-1K = 1.2
 1FK = 1.2

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	R. BEAUDRY	G. Pittman	LYLE TISON
DERRICKMAN	G. WALTER	E. Bobitzke	R. KENNEDY
HELPER	D. WOODRIDGE	R. Dickie	O. Zambak
HELPER	W. SHERMAN	R. Pedersen	R. Hinklater
HELPER	G. MYRVANG	I. Thomas	J. JACKSON
FIREMAN			
TOOL PUSHER	W. HANSEN		

OTHER HOURLY OPERATING LOGS
WORK DONE

TOUR	MUD	CHEMICALS ADDED	From	To	WORK DONE
19 1/2					
UR 1			12:00	2:30	MAKE UP TEST TOOL
FT			2:30	4:00	RUN IN W/ TEST TOOL
FT			4:00	5:00	HEAD UP
FT			5:00	5:30	SHUT-IN
FT			5:30	7:00	OPEN
FT			7:00	8:00	SHUT-IN
FT	FUEL 8 AM	2450 RIG TANK	47"	CAMP	37 SPARE
FT	UR 2		8:00	10:00	Shut In Tool
FT			10:00	11:00	Pull Out Tool #3
FT			11:00	12:00	Fill Drum Test Tools
FT					
FT					
FT					
FT					
UR 3			4:00	4:15	Rig San
FT			4:15	4:30	LAY DOWN TEST TOOLS
FEET			4:30	5:00	FINISH OUT W/ DRINK PIPE
FEET			5:00	8:30	WAIT ON ORDERS PER ENGINEER
FEET			8:30	10:45	MAKE UP TEST NO. 4
FEET			10:45	11:30	RUN IN W/ TEST #00LS
FEET			11:30	12:00	HEAD UP TESTING HEAD

CEMENTING TEST LOGS - SPECIAL JOB DETAILS, INCLUDING ENGINEERING SUMMARIES

DIESEL CIRC SYSTEM IN "F" OUT "F"
 DST # 3: 3970' - 4074' Run Johnston 1 1/2" Dual Bp
 Int packers in 4" full pipe. Run 3 wash hoses, pump
 out plug 10' up. 1" of cement. MTC tool. 3 Allen rods
 AK-1 Condens. Dg. and St. id 10 tool.

Fuel gas tank 2571
 Spare Tank for inches
 DST # 3

PRO FLOW	AT	5100	API	PER	2.1000
131	AT	5105	API	PER	30.0000
VC	AT	5100	API	PER	50.0000
131	AT	5100	API	PER	100.0000

IHP =	2451	KPI	FRF	1271
SHIP =	2451		SHIP	1242
131P =	1271		RHT	112 F
131E =	276			

A. Herring
 SIGNATURE COMPANY ENGINEER

TOUR REPORT

STEWART SOBC
WELL NAME ETORUWE

CONTRACTOR
Y. E. B.

G.P.

RIG NO

21

SOBC

FIELD
 DRILLING DEEPENING COMPLETING

REDRILLING ABANDONING REWORKING FOR 24 HOURS ENDING 12 MIDDNIGHT

April 26

1972

DRILLING ASSEMBLY	END OF MORNING TOUR				END OF DAYLIGHT TOUR				END OF AFTERNOON TOUR			
	STANDS	DP	NO	FT	STANDS	DP	NO	FT	STANDS	DP	NO	FT
SINGLE	DP	NO			NO				NO			
X OVER SUB	OD			304				304				304
OTHER	OD											
DRILL COLLARS	OD											
DRILL COLLARS	OD	NO 12		37057	NO			37057	NO 12			37057
REAMER	OD	KIND			KIND				KIND			
STABILIZER	OD	KIND			KIND				KIND			
JARS		KIND			KIND				KIND			
BUMPER SUB		KIND			KIND				KIND			
BIT OR CORE BARREL												
TOTAL DP & TOOLS				669660				669660				669660
KELLY DOWN (BELOW R B)				3144				3140				3140
DEPTH OF TOOLS				672800				672800				672800
TOUR	MORNING TOUR				DAYLIGHT TOUR				AFTERNOON TOUR			
DEPTH END OF TOUR				6728				6728				6728
DEPTH START OF TOUR												
FOOTAGE DRILLED												

22
GEL
WT Mat
1/2 Stream w
SPERSENE
HARD DUST
ROUSTIC
23
R 3
RHUM. STATE
W.T.
S. S. A. 154

DAY WORK	HOURS				HOURS				HOURS			
	2:00 AM	4:00 AM	6:00 AM	8:00 AM	10:00 AM	12:00 AM	2:00 PM	4:00 PM	6:00 PM	8:00 PM	10:00 PM	12:00 PM
PUMP								6 ¹⁵	1550	6 ¹⁵	1550	
ROTARY SPEED												
WEIGHT ON BIT								11.4	11.4			
MUD WEIGHT								110	110			
VISCOSITY								542	542			
W.L.F.C								8.5	8.5			
pH												
MUD LEVEL IN TANKS												

HOIST
OUT
TO
TEST

Diesel
fuel

NO.	SIZE	SERIAL	BIT KIND AND TYPE	JET SIZES IN L32	TOTAL HOURS	FROM	TO	REMARKS	BIT CONDITION
RR	3/8	7263	Jac 28	0.10					used in mud

CORE No	No	DST No	FROM	TO	MOD ENGINEER'S REPORT
					3:30
					11.4
					20
					71
					43

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	R. BEAUDRY	G. Pittman	LYLE TYSON
DERRICKMAN	G. WALKER	F. Bobitzke	R. KENNEDY
HELPER	D. WOODRIDGE	R. Dickie	O. LEMMAK
HELPER	M. SHERMAN	I. Thomas	R. HINKATER
HELPER	D. MIAVANG	R. Pedersen	J. JACKSON
FIREMAN			
DOL PUSHER			

SOBC W.M. East Peregrine F-18

MUD AND CHEMICALS ADDED		From	To	OTHER HOURLY OPERATING DETAIL WORK DONE
ON TOUR	Amount			
19 ⁷²		12 ⁰⁰	1 ¹⁵	FINISH OUT
299 FT		1 ¹⁵	2 ⁰⁰	RIG SER, VBLIND Rams, RIG SAVER
		2 ⁰⁰	2 ⁴⁵	MAKE UP BIT RUN D.C.S
304 FT		2 ⁴⁵	3 ⁴⁵	SLIP + CUT 45' LINE
		3 ⁴⁵	5 ⁰⁰	RUN IN D.P.
		5 ⁰⁰	5 ³⁵	PUMP MUD OVER, WORK ON AIR LINES
057 FT		5 ³⁵	6 ¹⁵	FINISH IN, PICKUP KELLY, KELLY, FULL PIPE
		6 ¹⁵	8 ⁰⁰	CIRC.
		8 ⁰⁰		Mud Flowing Over BOP's
				Close Hydril - Circ through Choke
				400 PSI or CPS - Mix wt mat.
				+ Gel and Build Vol in Tanks
				Open Hydril + Circ through Flow
				Line - Mix wt mat + build
660 FT			11 ⁰⁰	Vol
140 FT				
800 FT				
TOUR		4 ⁰⁰	4 ¹⁵	Rig SER
81 FEET	ALUM. STRATE 40#	4 ¹⁵	6 ⁰⁰	Circ HOKE COND. SH. ON MUD + MIX MUD
	WT. 10. SAK	6 ⁰⁰	9 ⁰⁰	HOIST OUT TO TEST
		9 ⁰⁰	12 ⁰⁰	RUN IN 27 STANDS + 2 SINGLES + PICKUP Taps Tools
	SODA ASH 5 BOX			
				Rig SAVERS 11301?? + Blind Rams
				check out STAIN in 11th MOTOR 12TAUSTAL
				AKG

CEMENTING TESTING FISHING SPECIAL JOB DETAILS, INCLUDING ENGINEERING SUMMARIES

DIESEL CIRC SYSTEM IN E OUT OF
 fuel - Rim tank 2624
 Spare tank 37 inches

CONDITION
 In end

REPORT
 1
 Min. 33
 5.4
 5.5
 23
 40
 350

Reading

[Signature]
 SIGNATURE COMPANY ENGINEER

TOUR REPORT

FIELD **WILDCAT**

CONTRACTOR **CONVON 2030**
WELL NAME **W.M.E. PORCUPINE**

CONTRACTOR **G.P.**
LSD **YT** SEC **F-18** TW2

RIG NO **22**

DATE **4/5/72**

W

DRILLING DEEPENING COMPLETING
 REDRILLING ABANDONING REWORKING FOR 24 HOURS ENDING 12 MIDNIGHT

19

DRILLING ASSEMBLY	END OF MORNING TOUR			END OF DAYLIGHT TOUR			END OF AFTERNOON TOUR			
STANDS	DP	NO	FT	NO	FT	NO	67	6322	99	FT
SINGLE	DP	NO	FT	NO	FT	NO				FT
X OVER SUB	OD		FT		FT			304		FT
OTHER	OD		FT		FT					FT
DRILL COLLARS	OD		FT		FT					FT
DRILL COLLARS	OD	NO	FT	NO	FT	NO	12	370	57	FT
REAMER	OD	KIND	FT	KIND	FT	KIND				FT
STABILIZER	OD	KIND	FT	KIND	FT	KIND		563		FT
JARS		KIND	FT	KIND	FT	KIND				FT
BUMPER SUB		KIND	FT	KIND	FT	KIND				FT
BIT OR CORE BARREL			FT		FT					FT
TOTAL DP & TOOLS			FT		FT			6702	23	FT
KELLY DOWN (BELOW RB)			FT		FT			2577		FT
DEPTH OF TOOLS			FT		FT			6728	60	FT

TOUR	MORNING TOUR			DAYLIGHT TOUR			AFTERNOON TOUR		
DEPTH END OF TOUR		6728	FEET		6728	FEET		6728	FEET
DEPTH START OF TOUR			FEET			FEET			FEET
FOOTAGE DRILLED			FEET			FEET			FEET

DAY WORK	HOURS											
	2:00 AM	4:00 AM	6:00 AM	8:00 AM	10:00 AM	12:00 AM	2:00 PM	4:00 PM	6:00 PM	8:00 PM	10:00 PM	12:00 PM
PUMP	/											
ROTARY SPEED	/											
WEIGHT ON BIT	/											
MUD WEIGHT	/											
VISCOSITY	/											
W.L.F.C.	/											
p.H	/											
MUD LEVEL IN TANKS	/											

TESTING

DIESEL
2570
29 good
MFE too
Lead in
Flow 70

NO.	SIZE	SERIAL	BIT KIND AND TYPE	BIT LIVES IN LOG	TOTAL HOURS	PHASE	DEP	DEPTH	FT	NUMBER

CORE	No	No	DST No.	FROM	TO	RECOVERY	HOURS
			2	3952'	3932'		
TYPE			PREFLOW 3'	IHP 2283	FHP 269		
FROM			LSI 2:45 PM 30 mins	FHP 2183	FHP 2087		
TO			VO 4:00 PM 10 mins	ISIP 1545	ISIP 10		
Recovery			FSI 2:45 PM 150 mins	FSIP 1630			
HOURS			RECOVERY 600' per out mud.				

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	R. BEAUBRY	G. Pittman	LYNN TYSON
DERRICKMAN	G. WALDER	E. Babinke	R. KENNEDY
HELPER	D. WOOLDRIDGE	R. Dickie	O. ZEMBAK
HELPER	M. SCHNEIDER	R. Pederson	R. HICKATER
HELPER	D. MYRANG	J. Thomas	J. JACKSON
FIREMAN			W. SHERMAN
TOOL PUSHER	G. R. Hansen		

Flow 70
D.L.#2
VC AT 1:10
FSI AT 2:45
IHP = 22
FHP = 22
ISIP = 15
IFP = 5
BHT-

TOUR REPORT

CONTRACTOR **60** BIG NO **31**

FIELD *East Penn* WELL NAME **L P 15-1-8** LSP SEC TWP R₁₆ W
 DRILLING DEEPENING COMPLETING
 REDRILLING ABANDONING REWORKING FOR 24 HOURS END NO 12 M ONWARD **April 31 1982**

SUBC
 CHEMICALS
 K

DRILLING ASSEMBLY		END OF MORNING TOUR			END OF DAYLIGHT TOUR			END OF AFTERNOON TOUR		
STANDS	D.P.	NO 67	6322	99 FT	NO 67	6322	99 FT	NO 67	6322	99 FT
SINGLE	D.P.	NO		FT	NO		FT	NO		FT
X OVER SUB	7 O.D.		304	FT		304	FT		304	FT
OTHER	O.D.			FT			FT			FT
DRILL COLLARS	O.D.			FT			FT			FT
DRILL COLL.	7 O.D.	NO 12	370	57 FT	NO 12	370	57 FT	NO 12	370	57 FT
REAMER	O.D.	KIND		FT	KIND		FT	KIND		FT
STABILIZER	3 1/4 O.D.	KIND	563	FT	<i>Onshore</i>	563	FT	KIND	563	FT
JARS		KIND		FT			FT	KIND		FT
BUMPER SUB		KIND		FT			FT	KIND		FT
BIT OR CORE BARREL				FT			FT			FT
TOTAL D.P. & TOOLS			670223	FT		670223	FT		670223	FT
KELLY DOWN (BELOW R.B.)			2577	FT		2577	FT		2577	FT
DEPTH OF TOOLS			672800	FT		672800	FT		672800	FT
TOUR		MORNING TOUR			DAYLIGHT TOUR			AFTERNOON TOUR		
DEPTH END OF TOUR				FEET			FEET			FEET
DEPTH START OF TOUR	@	6728		FEET	@	6728		FEET	6728	
FOOTAGE DRILLED				FEET			FEET			FEET

Back Ram 3
22
1/2
2-3/4
2-3/4
2-3/4
2-3/4
2-3/4
2-3/4
2-3/4
20 Sax
2-3
2-3

DAY WORK	HOURS											
	2:00 AM	4:00 AM	6:00 AM	8:00 AM	10:00 AM	12:00 AM	2:00 PM	4:00 PM	6:00 PM	8:00 PM	10:00 PM	12:00 PM
PUMP	60 1500 60 1500 60 1500 60 1500											
ROTARY SPEED	RPM											
WEIGHT ON BIT	M lbs											
MUD WEIGHT	lb gal											
VISCOSITY	sec qt											
W.L.F.C.	cc 32nd											
pH												
MUD LEVEL IN TANKS	Ft Ins											

FIN SA
Full
14
2-3/4

NO.	SIZE	SERIAL	BIT KIND AND TYPE	EQ. SIZES	STAG. TOOLS	FRONT	BACK	REAR	LEFT	RIGHT
R8	8 1/4	912403	Soc 5-88	3-13						

CORE No.	No.	DST No.	FROM	TO	RECOVERY	HOURS
			PREFLOW	min. H.P.		
			IS.	min. H.P.		
			VO	min. H.P.		
			FSI	min. H.P.		
			RECOVERY			

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	R. DePardi	G. Pittman	LYNE TYSON
DERRICKMAN	G. WALTER	E. Bobitzke	R. KENNEDY
HELPER	D. WOODRIDGE	R. DICKIE	O. ZENIAK
HELPER	M. SCHNEIDER	R. PEDERSEN	R. HINKHATER
HELPER	D. MIRVANG	I. THOMAS	J. JACKSON
FIREMAN			W. SHERMAN
TOOL PUSHER	A. R. [unclear]		

Subc w.m East Philippine F-18

MUD and CHEMICALS ADDED		From	To	OTHER HOURLY OPERATING DETAIL WORK DONE
Kind	Amount			
19 ²³				
N TOUR				
299	FT	13 ⁰⁰	1 ³⁰	Rig Ser & Logging
	FT	1 ³⁰	1 ³⁰	REAR OUT LOGGERS
304	FT	1 ³⁰	3 ³⁰	MAKE UP BIT RUN IN DCS, SLIP
	FT	3 ³⁰	8 ³⁰	PLUG LINE
	FT			RUN IN DIP SLOW, GUN TANKS
	FT			PUMP OVER MUD
057	FT			<u>POCK PAM 2550</u>
	FT			R 2
563	FT			Rig Ser
	FT			Thaw Out Kelly & Kelly
	FT			Hose
	FT			Fill Pipe & Break Circ. COND.
	FT			Circulate with mud with mud
223	FT			
577	FT			
800	FT			
TOUR				
	FEET	4 ⁰⁰	4 ¹⁵	Rig Ser
	FEET	4 ¹⁵	11 ⁰⁰	CIRC + CONDISHION MUD + HOPE TO log DST
	FEET	11 ⁰⁰	12 ⁰⁰	HUIST OUT TO TEST
HOURS				
P.M. 12:00 P.M.				

CEMENTING TESTING FINISH SPECIAL JOB DETAILS INCLUDING ENGINEERING SUMMARIES

FINISH TAKE SIDEWALL CORES.

Fuel for tank - 1537

Spare tank - 53"

DIESEL CIRC. SYSTEM IN = OUT DIE

REPORT

Gen. Mgr. Supt.

ORIG. Reel. No.

[Signature]
SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR **G.P.**

RIG NO **24**

FIELD **East Pumping** WELL NAME **L.P. 17 F-18**

DRILLING DEEPENING COMPLETING

REDRILLING ABANDONING REWORKING FOR 24 HOURS ENDING 12 MIDNIGHT

April 23

1970

DRILLING ASSEMBLY		END OF MORNING TOUR				END OF DAYLIGHT TOUR				END OF AFTERNOON TOUR							
STANDS	DP	NO 66	62	2	7	9	FT	NO		FT	NO 66	62	2	7	9	FT	
SINGLE	DP	NO					FT	NO		FT	NO					FT	
X OVER SUB	OD				30	4	FT			FT				30	4	FT	
OTHER	OD						FT			FT						FT	
DRILL COLLARS	OD						FT			FT						FT	
DRILL COLLARS	UD	NO 13	4	6	3	4	7	FT	NO		FT	NO	4	6	3	4	7
REAMER	OD						FT	KIND		FT						FT	
STABILIZER	OD	KIND			5	6	3	FT	KIND		FT	KIND			5	6	3
JARS							FT	KIND		FT						FT	
BUMPER SUB							FT	KIND		FT						FT	
BIT OR CORE BARREL							FT			FT						FT	
TOTAL DP & TOOLS			6	6	9	9	3	FT		FT	6	6	9	9	3	FT	
KELLY DOWN (BELOW R.B.)					2	8	7	FT		FT				2	8	7	FT
DEPTH OF TOOLS			6	7	2	8	0	FT		FT	6	7	2	8	0	FT	

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR			
DEPTH START OF TOUR	6728	6728	6728
FOOTAGE DRILLED			

DAY WORK	HOURS				HOURS				HOURS			
	2:00 AM	4:00 AM	6:00 AM	8:00 AM	10:00 AM	12:00 AM	2:00 PM	4:00 PM	6:00 PM	8:00 PM	10:00 PM	12:00 PM
PUMP	/											
ROTARY SPEED	LOG											
WEIGHT ON BIT	/											
MUD WEIGHT	/											
VISCOSITY	/											
W.L.F.C.	/											
pH	/											
MUD LEVEL IN TANKS	/											

NO.	SIZE	SERIAL	BIT KIND AND TYPE	JET VES IN 32	TOTAL INCHES	FROM	TO	REMARKS

CORE No	No	DST No	FROM	TO	W.D. ENGINEER'S REPORT	
TYPE		PREFLOW	mins	F.P.P.	mins	F.P.P.
FROM		F.S.I.	mins	F.P.P.	mins	F.P.P.
TO		V.O.	mins	F.S.P.	mins	F.S.P.
Recovery		F.S.I.	mins	F.S.P.	mins	F.S.P.
HOURS		RECOVERY				

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	R. Deanda	G. Pullman	LYLE TYSON
DERRICKMAN	B. WUNDER	E. Bobit	R. KENNEDY
HELPER	D. WOLPANG	R. Dickie	O. ZEMHAK
HELPER	M. SCHNEIDER	R. Pedersen	R. LINKATER
HELPER	D. MIRANDA	I. Thomas	J. JACKSON
FIREMAN			W. SHERMAN
TOOL PUSHER			

30
MUD CHEMICALS
K-11

FUEL 8 P.M.

3

LOG
KELLY I
KELLY II
Took 5
5:30, 5:05
4:10, 4:30

DIESEL

503C. W.M. East Potomac F-18

TOUR	MUD and CHEMICALS ADDED		From	To	OTHER HOURLY OPERATING DETAIL WORK DONE
	Kind	Amount			
19 15 TOUR 1			1242	1 00	Rig SER + Logging
79 FT					
04 FT					
47 FT	FUEL 8 Am. 1772		5 00	11 00	Rig SER + Logging
63 FT					
93 FT					
07 FT					
00 FT			400		Rig SER - Logging
TOUR 3					
FEET					
FEET					
FEET					
HOURS					
12:00 P.M.					

CEMENTING TESTING FISHING SPECIAL JOB DETAILS INCLUDING ENGINEERING SUMMARIES

RUN SET LUMBER SER EDC Log 6728' + Stee
 2 1/2" PIPE.
 RUN DILL 678' + 802'
 Run MICROLOG 6728' + 802'.
 TOOK SIDE WALL CORES AT 5492', 5450', 5336', 5280', 522
 5150', 5088', 5025', 4998', 4950', 4930', 4825', 4753', 4696', 4675', 4612', 4598', etc.
 4410, 4302. Recovered 17 out of 20.

DIESEL CIRC SYSTEM IN USE 3 1/2 HRS

[Signature]
 SIGNATURE COMPANY ENGINEER

TOUR REPORT

FIELD *Last Occupied* WELL NAME *E.P. YTF 18*

CONTRACTOR *G.P.* RIG NO *24*

DRILLING DEEPENING COMPLETING

REDRILLING ABANDONING REWORKING FOR 24 HOURS ENDING 12 MIDNIGHT

APRIL 22 1972

SOBC
MUD and CHEMICAL Kind

DRILLING ASSEMBLY		END OF MORNING TOUR				END OF DAYLIGHT TOUR				END OF AFTERNOON TOUR																	
STANDS	DP	NO	66	6	2	2	7	7	9	FT	NO				FT	NO	66	6	2	2	7	7	9	FT			
SINGLE	DP	NO								FT	NO				FT	NO									FT		
X-OVER SUB	OD									304					FT										304	FT	
OTHER	OD														FT											FT	
DRILL COLLARS	OD														FT											FT	
DRILL COLLARS	7" OD	NO	15							463	47	FT	NO		FT	NO	15								463	47	FT
REAMER	OD	KIND											KIND		FT	KIND										FT	
STABILIZER	8 3/4" OD	KIND	Dalico							563		FT	KIND		FT	KIND	Dalico								563	FT	
JARS															FT											FT	
BUMPER SUB		KIND											KIND		FT											FT	
BIT OR CORE BARREL															FT											FT	
TOTAL DP & TOOLS										669	993	FT			FT										669	993	FT
KELLY DOWN (BELOW R.B.)										669	993	FT			FT										2807	FT	
DEPTH OF TOOLS										2867		FT			FT										6728	00	FT

FUEL 8 AM

TOUR	MORNING	DAYLIGHT	AFTERNOON
DEPTH END OF TOUR			
DEPTH START OF TOUR	@ 6728	6 6728	6728
FOOTAGE DRILLED			

DAY WORK	HOURS				HOURS						
	2:00 AM	4:00 AM	6:00 AM	8:00 AM	12:00 AM	2:00 PM	4:00 PM	6:00 PM	8:00 PM	10:00 PM	12:00 PM
PUMP	S.P.M. 64 P.S.I. 1600	15 1600									
ROTARY SPEED	R.P.M.										
WEIGHT ON BIT	M lbs										
MUD WEIGHT	lb/gal	11.3									
VISCOSITY	sec/qt	104									
W.L.F.C.	cc/32nd	6 1/2									
p.H.		9.5									
MUD LEVEL IN TANKS	Ft. ins.										

LOG

DIESEL TRY TO PROBLEM SOLVE RUN 5

NO.	SIZE	SERIAL	BIT KIND AND TYPE	JET SIZES IN 1/32	TOTAL HOURS	FROM	TO	REMARKS
17	8 3/4	340936	SFC M-88	3-13	6504	6728	224	8-4-0

CORE	No.	No.	DST No.	FROM	TO	MUD ENGINEER'S REPORT					
TYPE			PREFLOW	mins	FHP	OS	FHP	OS	FHP	OS	AK
FROM			ISI	mins	FHP	OS	FHP	OS	FHP	OS	10 Min. Gr
TO			VO	mins	ISIP	OS	GTS	mins	VSL	OS	W.F.C.
Recovery			FSI	mins	FSIP	OS	FETS	mins	WV	OS	PH
HOURS			RECOVERY								PH

DOUBLE STEEL

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	<i>R. BEAUDRY</i>	<i>G. Pittman</i>	<i>LYLE TYSON</i>
DERRICKMAN	<i>E. WALDER</i>	<i>E. Bobitane</i>	<i>ROY KENNEDY</i>
HELPER	<i>D. WOODBRIDGE</i>	<i>R. Dahie</i>	<i>J. JACKSON</i>
HELPER	<i>M. SCHNEIDER</i>	<i>R. Pedersen</i>	<i>B. KHATER</i>
HELPER	<i>O. MYRVANG</i>	<i>I. Thomas</i>	<i>W. SHERMAN</i>
FIREMAN			<i>O. ZEMHAK</i>
TOOL PUSHER			

SOBC W.M. E. Philippine F-18

OTHER HOURLY OPERATING DETAIL
WORK DONE

MUD and CHEMICALS ADDED	Kind	Amount	From	To	OTHER HOURLY OPERATING DETAIL WORK DONE
TOUR 1		1	12:00	12:15	RIG SER V BOPS
			12:30	1:15	WAIT ON LOG UNIT
			1:45	4:45	SURVEY & BLOW MUD
			4:45	8:00	HOIST TO LOG DOUBLE MEASURE OUT
FUEL SAHM 2217					
TOUR 2			8:15	7:15	HOIST OUT TO LOG
			9:15	9:45	Log Down Core Barrel
			7:15	10:15	Rig Up Loggers
			10	11:00	Logging
TOUR 3			4:00	12:00	Rig SER + Logging

2 19 72
TOUR
779 FT
304 FT
347 FT
563 FT
993 FT
807 FT
300 FT
OUR
FEET
FEET
FEET
HOURS
P.M. 12:00 P.M.

CEMENTING TESTING FISHING SPECIAL JOB DETAILS INCLUDING ENGINEERING SUMMARIES

DIESEL CIRC SYSTEM IN AT -1°F OUT AT 23°F.
TRY TO RUN DILL COULD NOT DUE TO LINE
PROBLEMS AND BRIDLE TROUBLES. TRY TO RUN
SONIC LOG GAMMA WOULD NOT REPEAT.
RUN SONIC LOG (725' - 802' - HUMBARGER)

REPORT
GPI
P.M.
P.M.
P.M.

DOUBLE MEASURE PIPE
STEEL LINE. H-57 - B-114D (740' 6")

[Signature]
SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR

G.P.

RIG NO

24

FIELD *Last Occupied* WELL NAME *YTF-18*

LSD

SEC

TWP

R#

W

DRILLING DEEPENING COMPLETING

REDRILLING ABANDONING REWORKING FOR 24 HOURS ENDING 12 MIDNIGHT

April 21

1972

SOBC

PRODUCTION CHEMICALS

Kind

DRILLING ASSEMBLY	END OF MORNING TOUR			END OF DAYLIGHT TOUR			END OF AFTERNOON TOUR		
STANDS .. DP	NO. 66	622779	FT	NO. 66	622779	FT	NO. 66	622779	FT
SINGLE .. DP	NO.		FT	NO.		FT	NO.		FT
X-OVER SUB .. 1" O.D.		304	FT		304	FT		304	FT
OTHER .. O.D.			FT			FT			FT
DRILL COLLARS .. O.D.			FT			FT			FT
DRILL COLLARS .. 7" O.D.	NO. 15	46347	FT	NO. 15	46347	FT	NO. 15	46347	FT
REAMER .. O.D.	KIND		FT	KIND		FT	KIND		FT
STABILIZER .. 8 3/4" O.D.	KIND <i>Dahlco</i>	563	FT	KIND <i>Dahlco</i>	563	FT	KIND <i>Dahlco</i>	563	FT
JARS	KIND		FT	KIND		FT	KIND		FT
BUMPER SUB	KIND		FT	KIND		FT	KIND		FT
BIT OR CORE BARREL			FT			FT			FT
TOTAL D.P. & TOOLS		669993	FT		669993	FT		669993	FT
KELLY DOWN (BELOW R.B.)		2807	FT		2807	FT		2807	FT
DEPTH OF TOOLS		672800	FT		672800	FT		672800	FT

Work 8 AM

TOUR	MORNING TOUR			DAYLIGHT TOUR			AFTERNOON TOUR		
DEPTH END OF TOUR	6727	FEET		6728	FEET				FEET
DEPTH START OF TOUR	6700	FEET		6777	FEET		6728		FEET
FOOTAGE DRILLED	27	FEET		1	FEET				FEET

DAY WORK	HOURS											
	2:00 A.M.	4:00 A.M.	6:00 A.M.	8:00 A.M.	10:00 A.M.	12:00 A.M.	2:00 P.M.	4:00 P.M.	6:00 P.M.	8:00 P.M.	10:00 P.M.	12:00 P.M.
PUMP	s.p.m. <i>60</i>	<i>60</i>	<i>60</i>	<i>60</i>	<i>60</i>	<i>60</i>	<i>60</i>	<i>60</i>	<i>60</i>	<i>60</i>	<i>60</i>	<i>60</i>
ROTARY SPEED	R.P.M. <i>45</i>	<i>35</i>	<i>45</i>	<i>45</i>	-	-	-	-	<i>CIRC</i>	<i>CIRC</i>		
WEIGHT ON BIT	M lbs. <i>35</i>	<i>35</i>	<i>35</i>	<i>35</i>	-	-	-	-	<i>CIRC</i>	<i>CIRC</i>		
MUD WEIGHT	lb/gal <i>11.2</i>	<i>11.2</i>	<i>11.2</i>	<i>11.2</i>	<i>11.2</i>	<i>11.2</i>	<i>11.2</i>	<i>11.2</i>	<i>11.3</i>	<i>11.3</i>		
VISCOSITY	sec/qt <i>100</i>	<i>100</i>	<i>98</i>	<i>111</i>	<i>10</i>	<i>55</i>	<i>59</i>		<i>88</i>	<i>98</i>		
W.L.F.C.	cc. 32nd <i>6.2</i>	<i>6.2</i>							<i>6.2</i>	<i>6.2</i>		
p.H.	<i>9.3</i>	<i>9.5</i>	<i>9.5</i>		<i>7.5</i>				<i>9.5</i>	<i>9.5</i>		
MUD LEVEL IN TANKS	Ft.-Ins.											

SOBC

NO.	SIZE	SERIAL	BIT KIND AND TYPE	JET SIZES IN 1/32	TOTAL HOURS	FROM	TO	REMARKS
17	8 3/4	340936	SEC M-88	3-13	55 3/4	6504	6728	224
17	8 3/4	340936	SEC. M-88	3-13		6504	6728	<i>CIRC</i>

CORE	No.	No.	DST No.	FROM	TO	MUD ENGINEER'S REPORT			
TYPE			PREFLOW	mins	FHP	psi	FPP	psi	Time
FROM			(S)	mins	FHP	psi	FPP	psi	Mud Wt
TO			V.O	mins	FHP	psi	GTS	mins	V.W
Recovery			F.S.I	mins	F.S.I.P	psi	F.T.S	mins	A.V
HOURS			RECOVERY						P.V

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR	DEVIATION RECORD		
DRILLER	<i>R. BEAUDRY</i>	<i>G. Pettman</i>	<i>LILE TISON</i>	Kind	Depth	Read
DERRICKMAN	<i>G. WALDER</i>	<i>E. Bobetone</i>	<i>ROY KENNEDY</i>			
HELPER	<i>D. WOODRINGER</i>	<i>R. Dickie</i>	<i>J. JACKSON</i>			
HELPER	<i>M. SCHNEIDER</i>	<i>R. Pedersen</i>	<i>R. LUKHATER</i>			
HELPER	<i>D. MYRMAN</i>	<i>I. Thomas</i>	<i>W. SHERMAN</i>			
FIREMAN						
TOOL PUSHER						

SOBC W.M.E. Drilling F-18

1972		MUD and CHEMICALS ADDED		From	To	OTHER HOURLY OPERATING DETAIL WORK DONE
IN TOUR	Kind	Amount				
779	TOUR 1		11 ⁰⁰	1 ⁰⁵		DRIG.
			1 ⁰⁵	2 ⁰⁰		RIG SCR ✓ BOPS
			2 ⁰⁰	3 ⁰⁰		DRIG.
304						
347	FUEL Sam. 1896					
	TOUR 2		8 ⁰⁰	9 ⁰⁰		Drilling 8 1/2 H/c
			9 ⁰⁰	9 ⁰⁰		Running IV BOPS
			9 ⁰⁰	11 ⁰⁰		Circulate & Wait On Orders
807						
800	TOUR 3		4 ⁰⁰	4 ⁰⁵		Rig SCR
			4 ⁰⁵	9 ⁰⁰		CIRCUIT WORK P.P. WAIT ON LOG UNIT
			9 ⁰⁰	10 ³⁰		20 STAND DUMMY TRIP
			10 ³⁰	11 ³⁰		Run in
			11 ³⁰	12 ⁰⁰		CIRC Hole To Log NO FILL ON BOTTOM

CEMENTING TESTING FISHING SPECIAL JOB DETAILS, INCLUDING ENGINEERING SUMMARIES

DIESEL CIRCULATING SYSTEM 147 CF, 101 AT 25°F.

CONDITION

REPORT

Gel
Min. Gel

P.C.

1
S.P.M.
R.P.M.

IRD
Reading

A. L. ...
SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR **R. P. DALL. CO.** RIG NO **24**

FIELD **E. PORCUPINE** WELL NAME **Y.T. # 18**

DRILLING ABANDONING REWORKING COMPLETING

REDRILLING ABANDONING REWORKING FOR 24 HOURS ENDING 12 MIDNIGHT **APRIL 20 1972**

SOBC

MUD CHEMICALS
Kind

DRILLING ASSEMBLY		END OF MORNING TOUR		END OF DAYLIGHT TOUR		END OF AFTERNOON TOUR	
STANDS	DP	NO 65	613304 FT	NO 15	613304 FT	NO 15	613304 FT
SINGLE	DP	NO		NO 1	3158 FT	NO 1	3158 FT
X OVER SUB	7 O D		304 FT		304 FT		304 FT
OTHER	O D						
DRILL COLLARS	7 O D	15	46347 FT				
DRILL COLLARS	O D	NO		NO 15	46347 FT	NO 15	46347 FT
REAMER	O D	KIND		KIND		KIND	
STABILIZER	8 3/4 O D	KIND DAWCO	563 FT	KIND	563 FT	KIND	563 FT
JARS		KIND		KIND		KIND	
BUMPER SUB		KIND		KIND		KIND	
BIT OR CORE BARREL							
TOTAL D P & TOOLS			660518 FT		663696 FT		666855 FT
KELLY DOWN (BELOW R.B.)			2682 FT		3804 FT		3161 FT
DEPTH OF TOOLS			663200 FT		667200 FT		670000 FT

TOUR 1
GEL.
RAP DR.
CAUSTIC
WT. MAT.
WATER. 3/4 STA
FUEL 8 A.
797 600

TOUR 2
WT MATERING
GEL
RAPIDRIL
CNC

TOUR 3

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	6632 FEET	6672 FEET	6700 FEET
DEPTH START OF TOUR	6601 FEET	6632 FEET	6672 FEET
FOOTAGE DRILLED	31 FEET	40 FEET	28 FEET

	HOURS				HOURS				HOURS			
	2:00 A.M.	4:00 A.M.	6:00 A.M.	8:00 A.M.	10:00 A.M.	12:00 A.M.	2:00 P.M.	4:00 P.M.	6:00 P.M.	8:00 P.M.	10:00 P.M.	12:00 P.M.
PUMP	64	64	64	64	64	64	64	58	64	64	64	64
ROTARY SPEED	45	45	45	45	45	45	45	45	45	45	45	45
WEIGHT ON BIT	35-38	35-38	35-38	35-38	35-38	35-38	35-38	35-38	35-38	35-38	35-38	35-38
MUD WEIGHT	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
VISCOSITY	72	75	80	72	70	70	75	150	150	150	150	150
W.L.F.C.	20	2	20	2	20	2	20	2	20	2	20	2
pH	9.0		9.5						7.5			
MUD LEVEL IN TANKS												2.5

NO.	SIZE	SERIAL	BIT KIND AND TYPE	JET SIZES IN 3/32	TOTAL HOURS	FROM	TO	REMARKS
17	8 3/4	340726	SEC. M 88	3-13	47	6:50	1:00	176 Drilling

CORE No	No	DST No	FROM	TO	MUD ENGINEER'S REPORT				
TYPE		PREFLOW	mins	FHP	ps	TEP	ps	Time	6:00
FROM		ISI	mins	FHP	ps	FFP	ps	Mud Wt	11.2
TO		VO	mins	ISTP	ps	GTS	mins	Visc	150
Recovery		FST	mins	FSTP	ps	FST	mins	AV	112.5
HOURS		RECOVERY			ps			PV	67
								YP	91

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	R. NICKS	R. BEAUDRI	G. P. Ueman
DERRICKMAN	G. FRASER	G. WALTER	E. Bobirae
HELPER	J. MARSHALL	D. WOODRIDGE	R. Dickie
HELPER	G. McSWEEN	M. SCHNEIDER	E. Thomas
HELPER	W. SHERMAN	C. MYRIANG	R. Pedersen
FIREMAN			
TOOL PUSHER	R. J. Hanson		

TOUR REPORT

CONTRACTOR **G. P. DRILLING CO.** RIG NO **24.**

FIELD **E. FORCUM** WELL NAME **Y.T. F18**

LSD SEC TWP R4E W

DRILLING DEEPENING COMPLETING
 REDRILLING ABANDONING REWORKING

FOR 24 HOURS ENDING 12 MIDNIGHT

APRIL 19 1972

SOBC
MUD CHEMICALS

DRILLING ASSEMBLY	END OF MORNING TOUR	END OF DAYLIGHT TOUR	END OF AFTERNOON TOUR
STANDS D.P.	NO 64 603828 FT	NO 61 603938 FT	NO 37 6200 FT
SINGLE D.P.	NO	NO 3164 FT	NO 6200 FT
X OVER SUB 70 D	1 304 FT	304 FT	304 FT
OTHER O.D.			
DRILL COLLARS 70 D	15 46347 FT		
DRILL COLLARS O.D.	NO	NO 15 46347 FT	NO 46347 FT
REAMER O.D.	KIND	KIND	KIND
STABILIZER 8 3/4 O.D.	KIND DAMCO 563 FT	KIND Drilled 563 FT	KIND 563 FT
JARS	KIND	KIND	KIND
BUMPER SUB			
BIT OR CORE BARREL			
TOTAL D.P. & TOOLS	651042 FT	654206 FT	657357 FT
KELLY DOWN (BELOW R.B.)	2758 FT	2994 FT	2773 FT
DEPTH OF TOOLS	653800 FT	657200 FT	610100 FT

TUR 1
 GEL -
 RMC OR.
 1' WATER.
 FUEL 8.00 AM.
 2333.
 UR 2
 UR 3

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	6538 FEET	6572 FEET	6101 FEET
DEPTH START OF TOUR	6507 FEET	6538 FEET	6572 FEET
FOOTAGE DRILLED	31 FEET	34 FEET	29 FEET

DAY WORK	HOURS											
	2:00 A.M.	4:00 A.M.	6:00 A.M.	8:00 A.M.	10:00 A.M.	12:00 A.M.	2:00 P.M.	4:00 P.M.	6:00 P.M.	8:00 P.M.	10:00 P.M.	12:00 P.M.
PUMP S.D.M. P.S.I.	61 1530	61 1530	61 1550	61 1550	61 1600	61 1600	61 1600	61 1600	61 1600	61 1600	61 1600	61 1600
ROTARY SPEED R.P.M.	55	55	55	55	40-42	40-46	40-45	40-42	40-45	40-45	40-45	40-45
WEIGHT ON BIT M.lbs.	35-38	35-38	35-38	35-38	55-38	35-38	35-38	35-38	35-38	35-38	35-38	35-38
MUD WEIGHT lb/gal	11.3	11.3	11.3	11.3	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2
VISCOSITY sec.qt	67	68	68	70	80	78	75	75	75	75	75	75
W.L.F.C. c.c./32nd		6.2	2		9.0	2/32						
p.H.		9.5			9.5	9.5						
MUD LEVEL IN TANKS Ft. Ins.												

NO.	SIZE	SERIAL	BIT KIND AND TYPE	JET SIZES IN 1/32	TOTAL HOURS	FROM	TO	FEET	BIT CONDITION
17	8 3/4	340936	SEC. M 88	3-13	23	6504	6601	97	Drilling

CORE No.	No.	DST No.	FROM	TO	MUD ENGINEER'S REPORT
TYPE		PREFLOW	mins. I.H.P.	mins. F.H.P.	mins. G.P.P.
FROM		ISI	mins. F.H.P.	mins. G.P.P.	mins. A.V.
TO		VO	mins. F.S.I.P.	mins. F.S.P.	mins. A.V.
RECOVERY		F.S.I.	mins. F.S.I.P.	mins. F.S.P.	mins. A.V.
HOURS		RECOVERY			

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR	DEVIATION RECORD
DRILLER	R. NICKS	R. BEAUDRY	G. Pittman	Kind Depth Reading
DERRICKMAN	G. FRASER	G. WALKER	E. Bobitene	TOTCO 6519 1 1/4
HELPER	J. MARSHALL	D. WOODBRIDGE	R. D. Ch...	
HELPER	G. MC SWEEN.	M. SCHNEIDER	J. Thomas	
HELPER	W. SHERMAN.	O. MYRYANG	R. Pedersen	
FIREMAN				
TOOL PUSHER				

TOUR REPORT

CONTRACTOR **G.P. DRILL CO.** RIG NO **24**

FIELD **E. PORCUPINE** WELL NAME **Y.T. F 18**

LSD SEC TWP R16 W

SOCC W.M.

DRILLING DEEPENING COMPLETING

MUD CHEMICALS

REDRILLING ABANDONING REWORKING

FOR 24 HOURS ENDING 12 MIDNIGHT **APRIL 18**

1972

Kind

DRILLING ASSEMBLY	END OF MORNING TOUR			END OF DAYLIGHT TOUR			END OF AFTERNOON TOUR		
STANDS D.P.	NO 63	5943	44 FT	NO 63	5943	44 FT	NO 63	5943	44 FT
SINGLE D.P.	NO. 1	3152	FT	NO 2	6314	FT	NO 2	6314	FT
X OVER SUB 7 O.D.	1	304	FT		304	FT		304	FT
OTHER O.D.			FT			FT			FT
DRILL COLLARS 7 O.D.	15	46347	FT	15	46347	FT	15	46347	FT
DRILL COLLARS O.D.	NO.		FT	NO.		FT	NO.		FT
REAMER O.D.	KIND		FT	KIND		FT	KIND		FT
STABILIZER 8 3/4 O.D.	DALCO	563	FT		563	FT		563	FT
JARS	KIND		FT	KIND		FT	KIND		FT
BUMPER SUB	KIND		FT	KIND		FT	KIND		FT
BIT OR CORE BARREL			FT			FT			FT
TOTAL D.P. & TOOLS		644710	FT		647872	FT		647872	FT
KELLY DOWN (BELOW R.B.)		3790	FT		2528	FT		2528	FT
DEPTH OF TOOLS		648500	FT		650400	FT		650400	FT

OR 1
GEL
RAP DRILL
CAUSTIC

FUEL 8.00 A
2333 GALS.

OR 2

OR 3

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	6485	6504	6504
DEPTH START OF TOUR	6445	6485	6504
FOOTAGE DRILLED	40	19	3

DAY WORK	HOURS							HOURS						
	2:00 A.M.	4:00 A.M.	6:00 A.M.	8:00 A.M.	10:00 A.M.	12:00 A.M.	2:00 P.M.	4:00 P.M.	6:00 P.M.	8:00 P.M.	10:00 P.M.	12:00 P.M.		
PUMP	48	48	48	48	47	47						10		
ROTARY SPEED	55	55	55	55	55	55						40		
WEIGHT ON BIT	35-38	35-38	35-38	35-38	35-38	35-38						60		
MUD WEIGHT	11.3	11.3	11.3	11.3	11.3	11.3						11.3		
VISCOSITY	60	65	82	85	90	70						75		
W.L.F.C.	6-2	2				2						6-2		
pH	9.0					9.5						9.0		

DRILLER
TR
V

MUD LEVEL IN TANKS Ft. Ins

NO.	SIZE	SERIAL	BIT KIND AND TYPE	JET SIZES IN 1/16"	TOTAL HOURS	FROM	TO	REMARKS
16	8 3/4	912403	R. SEC. 588	3-13	3	1714	1712	REMOVED
16	8 3/4	912403	REP. SEC. 588	3-13	53	1712	6504+232	
17	8 1/4	912403	SEC. 588	3-13	17	6504	6507	

CORE	No.	No.	DST No.	FROM	TO	MUD ENGINEER'S REPORT
TYPE			PREFLOW	mins. IHP	mins. IHP	
FROM			ISI	mins. IHP	mins. IHP	
TO			VO	mins. IHP	mins. IHP	
Recovery			FSI	mins. IHP	mins. IHP	
HOURS			RECOVERY			

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	R. HICKS	R. BEAUDRY	G.P. DRILL
DERRICKMAN	G. FRASER	R. LIGHTFOOT	E. BOLTZ
HELPER	B. DICKIE	D. WOODBRIDGE	B. DICKIE
HELPER	J. MARSHALL	M. SCHNEIDER	J. THOMAS
HELPER	G. McSWEEN	G. WALKER	R. PEDERSEN
FIREMAN			
TOOL PUSHER			

LOGS W.M. G. PORCELAIN Y.T. E. 18

OTHER HOURLY OPERATING DETAIL
WORK DONE

MUD and CHEMICALS ADDED		From	To		
19 72	Kind	Amount			
OUR	TOUR 1				
1/4 FT	GEL	300 ^{cc}	12.00	1.00	DRILL 8 3/4 HOLE.
1/4 FT	RAP. DRILL	2 ^{cc}	1.00	1.15	CIR. WORK PIPE - HOLE GOOD.
1/4 FT	CAUSTIC	50 ^{cc}	1.15	2.45	DRILL.
			2.45	3.00	WORK PIPE - RIG SER. B.O.P.
			3.00	5.00	DRILL.
			5.00	5.15	CIR. WORK PIPE - HOLE GOOD.
			5.15	7.15	DRILL.
1/4 FT	FUEL 8.00 A.M.		7.15	7.30	CIR. WORK PIPE - HOLE GOOD.
1/4 FT	2333 GALS.		7.30	8.00	DRILL.
	TOUR 2				
1/3 FT			8.00	9.45	DRILLING
			9.45	10.50	CIR. WORK PIPE (HOLE GOOD) RIG SER / BOP
			10.50	1.00	DRILLING
			1.00	4.00	Blow Kirby Hoist OUT
7/2 FT					
2/8 FT					
1/4 FT	TOUR 3				
			8.00	5.00	DRILLING
			5.00	6.00	Repair Compound Chains
			6.00	7.00	Run 3.00 Balls
			7.00	7.00	Stop Col. Work Time
			7.00	11.00	1.00 Hr. Col. 17
			11.00	11.00	Flow Holes Full Pipe
			11.00	11.00	Drill 6 1/2 Hole

CEMENTING TESTING FISHING SPECIAL JOB DETAILS INCLUDING ENGINEERING SUMMARIES

DIREC. [unclear] [unclear] [unclear] [unclear] [unclear] [unclear] [unclear] [unclear]

TRACED [unclear] [unclear] [unclear] [unclear] [unclear] [unclear] [unclear] [unclear]

NOTE [unclear] [unclear] [unclear] [unclear] [unclear] [unclear] [unclear] [unclear]

[Signature]
SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR **G. P. DRUG, CO.** RIG NO. **24.**

FIELD **E. PORCUPINE** WELL NAME **Y.T. F 18**

LSD SEC TWP R40 W

SOBC W.M.

DRILLING DEEPENING COMPLETING

REDRILLING ABANDONING REWORKING

FOR HOURS ENDING 12 MIDNIGHT **APRIL 17, 1972**

MUD WEIGHT CHEMICALS

Kind

DRILLING ASSEMBLY		END OF MORNING TOUR			END OF DAYLIGHT TOUR			END OF AFTERNOON TOUR												
STANDS	D.P.	NO 62	59	48	95	FT	NO 62	58	49	95	FT	NO 63	59	43	44	FT				
SINGLE	D.P.	NO 1	3	1	23	FT	NO 2	6	2	9	FT	NO				FT				
X OVER SUB	O.D.		3	0	4	FT		3	0	4	FT		3	0	4	FT				
OTHER	O.D.					FT					FT					FT				
DRILL COLLARS	O.D.	7	15	4	6	3	4	7	15	4	6	3	4	7	15	4	7			
DRILL COLLARS	O.D.	NO				FT	NO				FT	NO				FT				
REAMER	O.D.	KIND				FT	KIND				FT	KIND				FT				
STABILIZER	O.D.	8 1/2	DAICO	5	6	3	FT	KIND	5	6	3	FT	KIND	5	6	3	FT			
JARS	O.D.					FT					FT					FT				
BUMPER SUB	O.D.					FT					FT					FT				
BIT OR CORE BARREL	O.D.					FT					FT					FT				
TOTAL D.P. & TOOLS			6	3	5	2	3	2	6	3	8	4	0	1	6	4	1	5	5	8
KELLY DOWN BELOW R.B.			2	9	6	8	FT	3	0	9	9	FT	2	7	4	2	FT			
DEPTH OF TOOLS			6	3	8	2	0	0	6	4	1	5	0	0	6	4	1	5	0	0

FUEL - 2.00
1317 GALS.

UR 2

UR 3

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	6382 FEET	6415 FEET	6415 FEET
DEPTH START OF TOUR	6356 FEET	6392 FEET	6415 FEET
FOOTAGE DRILLED	26 FEET	33 FEET	30 FEET

DAY WORK	HOURS				HOURS				HOURS			
	3:00 AM	4:00 AM	5:00 AM	8:00 AM	9:00 AM	12:00 AM	2:00 PM	4:00 PM	5:00 PM	8:00 PM	11:00 PM	12:00 PM
PUMP	47	47	47	47	49	49	49	49	49	49	49	49
ROTARY SPEED	55	55	55	55	55	55	55	55	55	55	55	55
WEIGHT ON BIT	35-38	35-38	35-38	35-38	35-38	35-38	35-38	35-38	35-38	35-38	35-38	35-38
MUD WEIGHT	11.2	11.2	11.2	11.2	11.2	11.1	11.1	11.1	11.1	11.1	11.1	11.2
VISCOSITY	73	75	77	75	75	75	80	75	77	80	78	78
W.L.F.C.	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
p.H.	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0
MUD LEVEL IN TANKS	3'1"	3'0"	3'0"	3'0"	3'0"	3'0"	3'0"	3'0"	3'0"	3'0"	3'0"	3'0"

NO.	SIZE	SERIAL	BIT KIND AND TYPE	FEET USED	INITIAL	FROM	TO	WEIGHT	IN TONS
16	8 3/4	912403R	SEC. S 88	3-13	3	6214	6272	58	REAM.
						6272	6382	110	RUN
						6382	6445	173	RUN

CORE	No.	No.	OST. No.	FROM	TO	ADDITIONAL COMMENTS
TYPE			PREFLOW			
FROM			IS			
TO			VD			
Recovery			FD			
HOURS			RECOVERY			

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	R. HICKS	R. BEAUDRY	G. Pittman
DR. RICKMAN	G. FRASER	R. LIGHTFOOT	E. Gabetone
HELPER	B. DICKIE	D. WOODBRIDGE	D. Walden
HELPER	J. MARSHALL	M. SCHNEIDER	R. Pedersen
HELPER	G. MC SWEEN	G. WALDER	J. Thomas
FIREMAN			
TOOL PUSHER	G. HAMBUS		

SOBC W.M. E. PORCUPINE V.T. FIELD

OTHER HOURLY OPERATING DETAIL WORK DONE

1972		MUD and CHEMICALS ADDED	From	To	WORK DONE
TOUR	Kind	Amount			
TOUR 1			12.00	1.00	DRILL 5 1/2" HOLE.
3 44	ET		1.00	1.30	RIG SER. - B.C.P. PUT 1 VALVE IN PUMP.
	ET		1.30	3.45	DRILL
3 04	ET		3.45	4.00	CIRC. WORK PIPE - HOLE GOOD.
	ET		4.00	6.00	DRILL
	ET		6.00	6.15	CIRC. WORK PIPE - HOLE GOOD.
	ET		6.15	8.00	DRILL.
3 17	ET	FUEL - 8.00 A.M.			
	ET	1317 GALS.			
TOUR 2			8.00	10.00	DRILLING.
5 63	ET		10.00	10.15	CIRC. WORK PIPE, HOLE GOOD
	ET		10.15	10.25	RIG SER. ✓ B.C.P., GUN TANKS
	ET		10.25	12.15	DRILLING.
	ET		12.15	1.00	CIRC. WORK PIPE HOLE GOOD.
	ET		1.00	3.00	DRILLING
5 58	ET		3.00	3.15	CIRC. WORK PIPE, HOLE GOOD
7 42	ET		3.15	4.00	DRILLING.
5 00	ET	TOUR 3	4.00	5.00	DRILLING.
TOUR					
1	FEET		5	6	DRILLING
5	FEET		6	7	DRILLING
9	FEET		7	8	DRILLING
HOURS					
PM 12:00 PM			9.00		DRILLING

CEMENTING, TESTING, FINISHING, SPECIAL JOB DETAILS, INCLUDING ENGINEERING SUMMARIES

2 1/2" CIRC. WORK PIPE... HOLE GOOD
 9.00 9.15 DRILLING
 9.15 9.30 DRILLING
 9.30 9.45 DRILLING
 9.45 10.00 DRILLING

CEMENTING WITH SAND #2 (500 LBS)

CEMENTING WITH SAND #2 (500 LBS) TWO TANKS OF CEMENT

[Signature]
 SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR **G. P. DALG. CO.** RIG NO **24**

FIELD **E. PORC** WELL NAME **Y.T. # 18**

USD SEC TWP R4 N

2082 W
MUD CHEMICALS
Kind

DRILLING DEEPENING COMPLETING
 REDRILLING ABANDONING

DRILLING ASSEMBLY		IF MORNING TOUR		END OF DAYLIGHT TOUR		END OF AFTERNOON TOUR	
STANDS	D.P.	NO 2	575467 FT	NO 62	584895 FT	NO 62	584895 FT
SINGLE	D.P.	NO 2	6260 FT				
X OVER SUB	O.D.	1	304 FT	1	304 FT		
OTHER	O.D.						
DRILL COLLARS	O.D.	7 15	46347 FT	15	46347 FT		
DRILL COLLARS	O.D.						
REAMER	O.D.						
STABILIZER	O.D.	8 3/4 DAILCO	563 FT	DAILCO	563 FT		
JARS							
BUMPER SUB							
BIT OR CORE BARREL							
TOTAL D.P. & TOOLS			628741 FT		632109 FT		63107 FT
KELLY DOWN (BELOW R.B.)			1259 FT		1362 FT		127 FT
DEPTH OF TOOLS			630200 FT		633673 FT		63107 FT

GEN RAPIDRIL WATER

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	6302 FEET	6334 FEET	63107 FEET
DEPTH START OF TOUR	6270 FEET	6302 FEET	6334 FEET
FOOTAGE DRILLED	32 FEET	32 FEET	22 FEET

DAY WORK	HOURS				HOURS				MUD LEVEL IN TANKS			
	2:00 AM	4:00 AM	6:00 AM	8:00 AM	10:00 AM	12:00 AM	2:00 PM	4:30 PM		6:00 PM	8:00 PM	10:00 PM
PUMP	62	62	62	62	64	64	65	65	65	65	65	65
ROTARY SPEED	55	55	55	55	55	55	55	55	55	55	55	55
WEIGHT ON BIT	30-35	35	35	35	35-38	35-38	35-38	35-38	35-38	35-38	35-38	35-38
MUD WEIGHT	11.1	11.1	11.1	11.1	10.9	10.8	11	11	11	11	11	11
VISCOSITY	70	70	65	65	73	75	75	73	73	73	73	73
W.L.F.C		68										
pH		9.5								9.5	9.5	
MUD LEVEL IN TANKS				3.0			3.5	3.0	3.0	3.0	3.0	

FUEL 8.00
RIG - 18.5

NO.	SIZE	SERIAL	BIT KIND AND TYPE	JET SIZES IN IN	TOOL JOINTS	FROM	TO	REMARKS
16	8 3/4	912403	R. SEC. S 88	3-13	7 3/4	6270	6302	32 RUN.
16	3 3/4	912403	Reamer Sec S 88	3-13	3	6274	6272	SB RE-HED
16	8 3/4	912403		3-13		6274	6256	4.1 Or. run

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	R. HICKS	W. G. BEAUDRY	C. Pedersen
CERRICKMAN	G. FRASER	B. LIGHTFOOT	E. Bobitane
HELPER	B. DICKIE	DAVID WOODRIDGE	B. Dick
HELPER	J. MARSHALL	MIKE SCHNEIDER	R. Pedersen
HELPER	G. McSWEEN	GEO WALKER	J. Thomas
FIREMAN			
TOOL PUSHER			

TOUR REPORT

CONTRACTOR **G. P. DRAG. CO.** RIG NO **24**

FIELD **E. PORCUANEWELL** NAME **Y.T. F 18**

DRILLING DEEPENING COMPLETING

REDRILLING ABANDONING REWORKING FOR 24 HOURS ENDING 12 MIDNIGHT **APRIL 14 1972**

501C

MUD CHEMICALS Kind

DRILLING ASSEMBLY		END OF MORNING TOUR		END OF DAYLIGHT TOUR		END OF AFTERNOON TOUR	
STANDS	D.P.	NO 61	575467 FT	NO 61	575467 FT	NO	
SINGLE	D.P.	NO.			3090 FT	NO	
X OVER SUB	O.D.		304 FT		304 FT		
OTHER	O.D.						
DRILL COLLARS	7 O.D.	15	46347 FT	15	46347 FT		
DRILL COLLARS	O.D.	NO		NO		NO	
REAMER	O.D.	KIND		KIND		KIND	
STABILIZER	8 3/4 O.D.	DALCO	563 FT		563 FT		
JARS		KIND		KIND		KIND	
BUMPER SUB		KIND		KIND		KIND	
BIT OR CORE BARREL							
TOTAL D.P. & TOOLS			622081 FT		625771 FT		
KELLY DOWN (BELOW R.B.)			2619 FT		1129 FT		
DEPTH OF TOOLS			625300 FT		626900 FT		

WATER
GEL
RAPIDRIL
CAUSTIC
CMC

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	N 3 3/4 6253 FEET	N 3 3/4 6259 FEET	N 6 1/2 6272 FEET
DEPTH START OF TOUR	6221 FEET	6259 FEET	
FOOTAGE DRILLED	32 FEET	16 FEET	

DAY WORK	HOURS				HOURS				HOURS			
	2:00 AM	4:00 AM	6:00 AM	8:00 AM	10:00 AM	12:00 AM	2:00 PM	4:00 PM	6:00 PM	8:00 PM	10:00 PM	12:00 PM
PUMP	60	60	60	60	60	60	60	60	60	60	60	60
ROTARY SPEED	60	60	80	80	50	70	95					
WEIGHT ON BIT	5-8	8-10	10-12	12	8	10	10					
MUD WEIGHT	11.1	11.1	11.1	11.0	11.0	11.0	11.0					
VISCOSITY	70	65	85	70	70	70	70					
W.L.F.C.	6.2	6.2	6.2									
pH	9.5		8.0									
MUD LEVEL IN TANKS	2'6"	3'1"	3'4"	3'								

FUEL 8
RIG -
CAMP -
CAMP -

NO.	SIZE	SERIAL	BIT KIND AND TYPE	BIT SIZES IN LOG	TOTAL FEET	FROM	TO
15	8 3/4	37867	WEST. XDV	J-13	6214	6269	6272

Boards to
Tally
17.8

CORE No	No	DST No	FROM	TO	100 IN. DEEPER REPORT
TYPE		PREFLOW	min. FHP	max. FHP	1.00
FROM		LSI	min. FHP	max. FHP	11.2
TO		VO	min. FHP	max. FHP	100
Recovery		FSI	min. FHP	max. FHP	65
HOURS		RECOVERY			45

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	R. HICKS		G. Pittman
DERRICKMAN	G. FRASER		E. B. B. B.
HELPER	B. DICKIE		B. Dickie
HELPER	J. MARSHALL		M. Shuder
HELPER	G. McSWEEN.		G. WARDER
FIREMAN			
TOOL PUSHER			

CIRC 2

SOPC Wm. E. BROWN Y.T. F-18

OTHER HOURLY OPERATING DETAIL
WORK DONE

MUD and CHEMICALS ADDED		From	To	OTHER HOURLY OPERATING DETAIL WORK DONE
Kind	Amount			
1972		12.00	4.00	REAM RAT HOLE
TOUR	TOUR 1	4.00	4.15	RIG SER. - B.O.P.
FT	WATER	4.15	8.00	REAM RAT HOLE
FT	GEL			
FT	RAPIDRIIL			
FT	CAUSTIC			
FT	CMC			
FT				
FT	TOUR 2	8.00	3.15	6 SUCCE. CIRC. LOGS
FT	6 beam	8.15	1.15	LOG LOG LOG
FT		1.15	3.00	DRILL TIME 2) STANDS
FT		3.00	4.00	LOG LOG TO LOG LOG
FT				
FT				
FT	TOUR 3	4.00	6.00	Circ
OUR		6.00	10.00	Trap Out for Test - Strip Out
FEET		10.00	12.00	Pick up Test Tools
FEET				
FEET				
HOURS				
P.M.	12.00 P.M.			

CEMENTING TESTING FISHING SPECIAL JOB DETAILS, INCLUDING ENGINEERING SUMMARIES

FUEL 8 A.M. DRILCO STAB #70488 DAY HRS - 12 $\frac{3}{4}$ ACC. HRS - ~~278~~ 250 $\frac{1}{4}$
 RIG - 1896
~~STAB~~ -
~~CAMP~~ -
~~LOGS~~ -

BOARD TALLY - 6298.27
 TALLY OUT - 6298.96
 DIFF - .81 NO CORRECTION

NOTE: CIRC. DIESEL FUEL TANK ONLY TO 6269' (LOG LOGS TO 6269' (LOG LOGS TO 6269'))
 INITIAL 6269 - 6270 CIRC 6269

ADDITION - 4 1/8
 REPORT
 .3
 6
 15
 5.4
 10.0
 19
 400

CIRC DIESEL FUEL TANK +90° PUMP SUCT. +15°
 @ 8:00 AM

SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR **G.P. Drilling** RIG NO **24**
 LSI SEC TWP R W

FIELD **E. Porcupine** WELL NAME **YT-F18**

SOBC WM

DRILLING DEEPENING COMPLETING
 REDFILLING ABANDONING REWORKING

FOR 24 HOURS ENDING 12 MIDNIGHT **April 13** 19**72**

MUD and CHEMICALS Kind

DRILLING ASSEMBLY		END OF MORNING TOUR		END OF DAYLIGHT TOUR		END OF AFTERNOON TOUR	
STANDS	D.P. NO	55	66	62	59	55	67
SINGLE	D.P. NO	3	1	68	1	3	1
X OVER SUB	O.D.	3	0	4	3	0	4
OTHER	O.D.						
DRILL COLLARS	O.D.	18	5	5	18	5	5
DRILL COLLARS	O.D. NO					15	4
REAMER	O.D. KIND						6
STABILIZER	O.D. KIND						5
JARS	O.D. KIND						6
BUMPER SUB	O.D. KIND						6
BIT OR CORE BARRE	+	7	2	4	7	2	4
TOTAL D.P. & TOOLS		6	2	2	6	2	2
KELLY DOWN (BELOW R.B.)		3	5	8	4	0	6
DEPTH OF TOOLS		6	2	6	6	2	6
TOUR		MORNING TOUR		DAYLIGHT TOUR		AFTERNOON TOUR	
DEPTH END OF TOUR		6	2	6	6	2	6
DEPTH START OF TOUR		6	2	4	6	2	6
FOOTAGE DRILLED		2	1		7		6

DAY WORK	HOURS							HOURS
	2:00 AM	4:00 AM	6:00 AM	8:00 AM	10:00 AM	12:00 PM	2:00 PM	
PUMP	42	42	42	42	40	40	6	
ROTARY SPEED	70-75	70-75	70-75	70-75	80	80	6	
WEIGHT ON BIT	10	10	10	10	10	10	6	
MUD WEIGHT	11.0	11.0	11.1	11.2	11.2	11.2	6	
VISCOSITY	75	80	80	85	75	75	6	
W.L.F.C.	7.0	7.0	7.0	7.0	7.0	5.8	6	
p.H.	10	10	10	10	9.5	9.5	6	
MUD LEVEL IN TANKS					2'3"	3'6"	6	

NO.	SIZE	SERIAL	BIT KIND AND TYPE	JET SIZES IN 1/32"	TOTAL FEET DRILLING	FROM	TO	REMARKS
14	6 3/16	72A05	DVES DRILL	0	20 1/4	6214	6265	5 1/2 CORING
15	X 1/2	37867	H.W. XDU		24	6265	6272	5'8" REMAINING

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	LYLE TYSON	R. HICKS	R. BEAUDRY
DERRICKMAN	P. FOESIER	G. FRASER	R. LIGHTFOOT
HELPER	O. ZEMKAK	E. BABITKE	D. WOODRIDGE
HELPER	R. LINKLATER	J. MARSHALL	M. SCHNEIDER
HELPER	J. JACKSON	G. MC SWEEN	G. WALTER
FIREMAN			
TOOL RUSHER	AR		

Fuel 800 A
 Rig - 265
 SPARE - 100
 CAMP -
 Bladder.

ON HAND
 GEL-10
 WT. M.-14
 DOWICIDE
 CAUSTIC

SOBC WM E. PORTLAND YR FIB

MUD and CHEMICALS ADDED		From	To	OTHER HOURLY OPERATING DETAIL WORK DONE
Kind	Amount			
1972		12.00		
TOUR 1		12.00	12.15	XXXXXXXXXX R. & SER CUT CORE # 1
10 FT		12.15	8.00	
25 FT				
04 FT				
FT				
FT				
47 FT				
FT				
TOUR 2		8.00	11.45	CUT CORE # 1.
63 FT		11.45	12.00	RIE SER. - B.O.P.
FT		12.00	3.45	TRIP OUT.
FT		3.45	4.00	LAY DOWN TARS - BREAK C.B.
FT				
49 FT				
51 FT				
100 FT				
TOUR 3		4.00	4.15	RIE SER. BLIND RAMS, PIPE RAMS, HYDRIL.
FT		4.15	4.45	REC. CORE # 1
FEET		4.45	5.30	SER. & STAND BACK C.B.
FEET		5.30	6.00	MAKE UP BIT & PICK UP STAB. - 60 UP.
FEET		6.00	7.00	RUN D.C.
HOURS		7.00	8.00	CUT & SLIP LINE.
PM 12:00 PM		8.00	11.00	RUN D.P. & PICK UP 5 SEALS.
6		11.00	12.00	REAR RAT HOLE.

CEMENTING, TESTING, FISHING, SPECIAL JOB DETAILS, INCLUDING ENGINEERING SUMMARIES

FUEL 800 AM. DIPLOMA SINCE 1968
 Rig - 2658
 SPARE - 10000
 CAMP - APPROX 3000
 BLABBER - 18 277 TOTAL 39935

ON HAND.
 GEL - 10 PALLETS. CORE # 1 234-227
 WT. M. - 14 " 35 6 1/2 x 1 1/2
 DOWICIDE - 1 " 2000 200 764-00
 CAUSTIC 1/2 " 2000 200 764-00

17	15	13	10	17	17	13	12	16	11
14	18	15	29	3	40	39	22	11	21
15	30	3	1	13	21	24	1	15	21
10	1	11	12	23	26	20	32	13	20
11	12	21	22	22	17	17	16	15	15
11	13	14	1	1	16	12	22		

DIESEL FUEL CIR. TEMP. IN: 28 °F, OUT: 32 °F
 @ 8:00 AM

[Signature]
 SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR **G.P** RIG NO **24**

FIELD **E.P. 1T-F-18** WELL NAME

LSD SEC TWP Rpt W

DRILLING DEEPENING COMPLETING
 REDRILLING ABANDONING REWORKING FOR 24 HOURS ENDING 12 MIDNIGHT **April 11 1972**

MUD CHEMICALS Kind

DRILLING ASSEMBLY		END OF MORNING TOUR		END OF DAYLIGHT TOUR		END OF AFTERNOON TOUR	
STANDS	D.P. NO	559885	FT	NO 59 556730	FT	59 556730	FT
SINGLE	D.P. NO		FT	NO 1 3155	FT	NO 6329	FT
X-OVER SUB	O.D. 1	304	FT	304	FT	304	FT
OTHER	O.D.		FT		FT		FT
DRILL COLLARS	7 O.D. 18	55645	FT	18 55645	FT	18 55645	FT
DRILL COLLARS	O.D. NO		FT	NO	FT	NO	FT
REAMER	O.D. KIND		FT	KIND	FT	KIND	FT
STABILIZER	8 3/4 D Kind Drillco	651	FT	651	FT	563	FT
JARS	KIND		FT	KIND	FT	KIND	FT
BUMPER SUB.	KIND		FT	KIND	FT	KIND	FT
BIT OR CORE BARREL			FT		FT		FT
TOTAL D.P. & TOOLS		616485	FT	616485	FT	619362	FT
KELLY DOWN (BELOW R.B.)		1215	FT	1215	FT	1838	FT
DEPTH OF TOOLS		617700	FT	617760	FT	621200	FT

TOUR 1
G.P. RAP DALL
 TOUR 2
AT 6:12
 TOUR 3
AT 4:15

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	6177 FEET	6177 FEET	6212 FEET
DEPTH START OF TOUR	6167 FEET		6177 FEET
FOOTAGE DRILLED	10 FEET		35 FEET

DAY WORK	HOURS				HOURS				HOURS			
	2:30 AM	4:00 AM	6:30 AM	8:00 AM	10:00 AM	12:00 AM	2:00 PM	4:00 PM	6:00 PM	8:00 PM	10:00 PM	11:30 PM
PUMP	60/1400	60/1400	TRIP						60/1400	60/1400	60/1400	60/1400
ROTARY SPEED	55	55	TRIP						55	55	55	55
WEIGHT ON BIT	40	40	TRIP						35	35	40	40
MUD WEIGHT	11.2	11.2	CORE TRIP						11.2	11.2	11.2	11.2
VISCOSITY	65	95	TRIP						95	95	95	15
W.L.F.C.	6.42	6.42	TRIP						7.02	7.02	9.02	
pH	9.5	9.5	TRIP						9.5	9.5	9.5	
MUD LEVEL IN TANKS			TRIP									

FUEL 80
 R.F. - 25
 SPARE - 90
 CAMP - 40
 BLADDER -

NO.	SIZE	SERIAL	BIT KIND AND TYPE	JET SIZES IN IN.	INITIAL PRODUCTIONS	FROM	TO	REMARKS
12	8 3/4	335117	SEC. S-88	2-14 1-12	5674	5948	6177	229 Hosi To Core
13	8 3/4	FTSOY	SMITH 4 JS	3-13	NEW	6177		
					7 1/4	6177		

BOARD
 PIPE
 CORR.

CORE No.	No.	DST No.	FROM	TO	MUD ENGINEER'S REPORT
TYPE		PREFLOW	min. FHP	max. FHP	
FROM		FSI	min. FHP	max. FHP	
TO		V.O.	min. FHP	max. FHP	
Recovery		FSI	min. FHP	max. FHP	
HOURS		RECOVERY			

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	LYLE TYSON	R. HICKS	P. BEAUDR!
DERRICKMAN	P. FORISER	G. FRASER	R. LIGHTFOOT
HELPER	D. ZEMBAK	E. BABITZKE	D. WOULDRIE
HELPER	R. LINKATER	J. MARSHALL	M. SCHNEIDER
HELPER	J. JACKSON	G. McSWEEN	G. WALTERS
FIREMAN			
TOOL PUSHER	W. J. HANCOCK		

DIESEL

MUD and CHEMICALS ADDED			OTHER HOURLY OPERATING DETAIL		
1972	Kind	Amount	Fr. m	To	WORK DONE
TOUR	TOUR 1		12:00	1:30	DRILL 8 3/4 Hole
30 FT	GEL	10 SAK	1:30	1:45	R.G. SER.
29 FT	RAP DAIL	4 #	1:45	2:00	WORK TIGHT HOPE ON CONN.
04 FT	75.6x	75.6x	2:00	2:30	DRILL 8 3/4 Hole
			2:30	3:45	CL. BOTTOM Hole SAMPLE PER GUDGS.
			3:45	8:00	PUMP DOWN SURVEY Blow Kelly + Hoist
45 FT					DOUBLE MEASURE OUT TO CORE
	TOUR 2		8:00	8:45	FIN. TRIP OUT.
63 FT	AT MATS	75	8:45	9:00	RISER - R.O.A.
			9:00	10:00	PICK UP MAKE UP CORE BBL.
			10:00	11:00	TRIP IN - LAIN DOWN STAB.
			11:00	12:30	PULL BACK OUT - STAND BACK C. B.
62 FT			12:30		TAKE UP BIT - PICK UP STAB - 60'
38 FT				2:45	ABOVE BIT - TRIP IN - MEASURE IN.
00 FT			2:45	4:00	FILL PIPE CLEAN 16' TO BOTT.
	TOUR 3				
UR	AT MATS	73	4:00	4:15	R.G. SER.
FEET			4:15	4:45	CLEAN 8' FILL TO BOTTOM
FEET			4:45	12:00	DRILLING.

CEMENTING TESTING FISHING SPECIAL JOB DETAILS INCLUDING ENGINEERING SUMMARIES

FUEL 8:00 A.M. DRILL CO STAB # 70488 Daily HRS 9 3/4 ACC. HRS 3 1/4
 R.G. - 2518
 SPARE - 9056
 CAMP - APPROX 3000
 BLADDER - FULL 20000

BOARD TALLY - 6205.49
 PIPE TALLY - 6202.49
 DIFF - 3.00
 CORR. MADE

DIESEL FUEL CIRC TEMP IN 10°F OUT 22°F

[Signature]
 SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR **G.P.** RIG NO. **24**

FIELD **E.P. 17-F-18** WELL NAME

DRILLING DEEPENING COMPLETING

REDRILLING ABANDONING REWORKING FOR 24 HOURS ENDING 12 MIDNIGHT **APRIL 10 1972**

DRILLING ASSEMBLY	END OF MORNING TOUR		END OF DAYLIGHT TOUR		END OF AFTERNOON TOUR	
STANDS 4 1/2 FH DP	NO 58	5 53 5 55 FT	NO 58	5 47 2 18 FT	NO 59	5 56 7 30 FT
SINGLE 4 1/2 Reg 4 1/2 HAD	NO 2		NO 2	6 3 3 7 FT	NO	
X OVER SUB O D	1	3 0 4 FT		3 0 4 FT	X 0	3 0 4 FT
OTHER O D						
DRILL COLLARS 7 O D	18	5 5 6 4 5 FT	18	5 5 6 4 5 FT	18	5 5 6 4 5 FT
DRILL COLLARS O D	NO		NO		NO	
REAMER O D	KIND		KIND		KIND	
STABILIZER 8 3/4 O D	Drillco	6 5 1 FT	Drillco	6 5 1 FT	Drillco	6 5 1 FT
JARS	KIND		KIND		KIND	
BUMPER SUB	KIND		KIND		KIND	
BIT OR CORE BARREL						
TOTAL DP & TOOLS		6 1 0 1 5 5 FT		6 1 0 1 5 5 FT		6 1 3 3 2 0 FT
KELLY DOWN (BELOW R B)		1 4 4 5 FT		3 9 4 5 FT		3 3 1 0 FT
DEPTH OF TOOLS		6 1 1 5 9 0 FT		6 1 4 1 0 0 FT		6 1 6 7 0 0 FT
TOUR	MORNING TOUR		DAYLIGHT TOUR		AFTERNOON TOUR	
DEPTH END OF TOUR		6 1 1 5 FEET		6 1 4 1 FEET		6 1 6 7 FEET
DEPTH START OF TOUR		6 0 8 0 FEET		6 1 1 5 FEET		6 1 4 1 FEET
FOOTAGE DRILLED		3 5 FEET		2 6 FEET		2 6 FEET

DAY WORK	HOURS											
	2:00 AM	4:00 AM	6:00 AM	8:00 AM	10:00 AM	12:00 AM	2:00 PM	4:00 PM	6:00 PM	8:00 PM	10:00 PM	12:00 AM
PUMP	60/1400	60/1400	60/1400	60/1400	60/1400	60/1400	60/1400	60/1400	60/1400	60/1400	60/1400	60/1400
ROTARY SPEED	55	55	55	55	55	55	55	55	55	55	55	55
WEIGHT ON BIT	45	45	45	45	55	35	40	40	40	40	40	40
MUD WEIGHT	11.3	11.3	11.3	11.3	11.2	11.2	11.2	11.2	11.1	11.2	11.2	11.2
VISCOSITY	70	70	70	70	60	60	60	70	75	70	70	70
W L F C	6.4	6.4	6.4	6.4	6.0	6.0	6.0	6.0	6.2	6.2	6.2	6.2
p.H	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
MUD LEVEL IN TANKS					3'	3'			3'		3'	

NO.	SIZE	SERIAL	BIT KIND AND TYPE	ET. SIZE IN INCHES	TOTAL TOOLS	FROM	TO	REMARKS
12	8 3/4	335117	SEC. S-88	2-14 7-12	3 1/4	5948	6115	183 DRILLING DRAG.
						5948	6111	182
						5948	6167	219

CORE No.	No.	DST No.	FROM	TO	REMARKS
TYPE		PREFLOW	min. FHP		
FROM		SI	min. FHP		
TO		V.O.	min. FHP		
RECOVERY		F.S.	min. FHP		
HOURS		RECOVERIES			

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	LYLE TYSON	R. HICKS	R. BEARDY
DERRICKMAN	P. FOULIER	G. FRASER	R. KIMMERT
HELPER	D. ZENKAK	E. BARITZKE	D. UNOLD
HELPER	P. LINKHATER	A. LINDHALL	
HELPER	T. JACKSON	E. Mc SWEEN	
FIREMAN			
TOOL PUSHER	R. J. HICKS		

TOUR 1
WATER 1/2"
GEL
BIT LIATS

TOUR 2
GEL
CAUSTIC
RAMDRIL
BIT LIATS

TOUR 3
GEL
BIT LIATS

FUEL 8.00
R.g - 16.01
SPARE - FUEL
CAMP - 3
SHADDER - F

DIESEL

OTHER HOURLY OPERATING DETAIL
WORK NONE

1972		MUD and CHEMICALS ADDED		From	To	
		Kind	Amount			
7 30 FT		TOUR 1		12:00	12:15	Blow Rig Ser Drill
		WATER 1/2"		12:15	8:00	
3 04 FT		GEL	40 lbs			
		WT MATS	50 v			
6 45 FT						
		TOUR 2		9:00	9:00	DRILL 8 1/2" NOSE RIG SER: B.C.P. DRILL
6 51 FT		GEL	600 #	9:00	9:15	
		CAUSTIC	50 #	9:15	4:00	
		RAMDRIL	2 #			
		WT MATS	25 v			
3 30 FT						
3 10 FT						
7 00 FT		TOUR 1		9:00	9:15	RIG SER DRILL
		GEL	30 lbs	9:15	12:00	
4 FEET		WT MATS	50 v			
1 FEET						
6 FEET						
HOURS						
P.M. 12:00 P.M.						

CEMENTING, TESTING, FISHING, SPECIAL JOB DETAILS, INCLUDING ENGINEERING SUMMARIES

05 33
20 40
1 2
10
1
2
5

FUEL 8:00 AM. Drilco STAB# 70488 - Daily HRS 23 1/4 ACC HRS 22 1/2
 P.g - 1607
 SPARE - FULL 10,000 Gals.
 CAMP - 3000
 BLADDER - FULL

NOTION
REPORT
DATE
TIME
BY
CHECKED
DATE

DIESEL FUEL CIRC. TEMP. IN: 12 ° OUT: 20 ° F

[Signature]
SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR *G.P. Driskins* RIG NO *24*

FIELD *E.P. 11-F18* WELL NAME

DRILLING DEEPENING COMPLETING

REDRILLING ABANDONING REWORKING FOR 24 HOURS ENDING 12 MIDNIGHT *APRIL 9*

122

DRILLING ASSEMBLY	END OF MORNING TOUR		END OF DAYLIGHT TOUR		END OF AFTERNOON TOUR	
STANDS D.P.	NO	<i>551002</i> FT	NO	<i>57</i> <i>537872</i> FT	NO	<i>58</i> <i>547218</i> FT
SINGLE D.P.	NO.		NO	<i>2</i> <i>6224</i> FT	NO	<i>1</i> <i>3172</i> FT
X-OVER SUB O.D.	<i>1</i>	<i>304</i> FT	<i>1</i>	<i>304</i> FT	<i>1</i>	<i>304</i> FT
OTHER O.D.						
DRILL COLLARS O.D.	<i>18</i>	<i>55645</i> FT	<i>18</i>	<i>55645</i> FT	<i>18</i>	<i>55645</i> FT
DRILL COLLARS O.D.	NO.		NO.		NO.	
REAMER O.D.	KIND		KIND		KIND	
STABILIZER <i>8 3/4</i> O.D.	<i>DRILCO</i>	<i>651</i> FT	<i>DRILCO</i>	<i>651</i> FT	<i>DRILCO</i>	<i>651</i> FT
JARS	KIND		KIND		KIND	
BUMPER SUB						
BIT OR CORE BARREL						
TOTAL D.P. & TOOLS		<i>597602</i> FT		<i>600696</i> FT		<i>606990</i> FT
KELLY DOWN (BELOW R.B.)		<i>4064</i> FT		<i>3804</i> FT		<i>1010</i> FT
DEPTH OF TOOLS		<i>601666</i> FT		<i>604500</i> FT		<i>608000</i> FT

1/2" STREAM OF WATER

CAUSTIC

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	<i>6016</i> FEET	<i>6045</i> FEET	<i>6080</i> FEET
DEPTH START OF TOUR	<i>5982</i> FEET	<i>6016</i> FEET	<i>6045</i> FEET
FOOTAGE DRILLED	<i>34</i> FEET	<i>29</i> FEET	<i>35</i> FEET

DAY WORK	HOURS				HOURS				
	2:00 AM	4:00 AM	6:00 AM	8:00 AM	12:00 AM	2:00 PM	4:00 PM	6:00 PM	8:00 PM
PUMP	<i>60</i>	<i>60</i>	<i>60</i>	<i>60</i>	<i>60</i>	<i>60</i>	<i>60</i>	<i>60</i>	<i>60</i>
ROTARY SPEED	<i>55</i>	<i>55</i>	<i>55</i>	<i>55</i>	<i>55</i>	<i>55</i>	<i>55</i>	<i>55</i>	<i>55</i>
WEIGHT ON BIT	<i>35</i>	<i>35</i>	<i>35</i>	<i>35</i>	<i>35-38</i>	<i>38</i>	<i>38</i>	<i>40</i>	<i>40</i>
MUD WEIGHT	<i>11.1</i>	<i>11.1</i>	<i>11.2</i>	<i>11.2</i>	<i>11.2</i>	<i>11.2</i>	<i>11.2</i>	<i>11.3</i>	<i>11.3</i>
VISCOSITY	<i>67</i>	<i>66</i>	<i>68</i>	<i>67</i>	<i>65</i>	<i>65</i>	<i>65</i>	<i>75</i>	<i>75</i>
W.L.F.C.	<i>6.2</i>	<i>6.2</i>	<i>6.2</i>	<i>6.2</i>	<i>6.2</i>	<i>6.2</i>	<i>6.2</i>	<i>6.2</i>	<i>6.2</i>
pH	<i>9.5</i>	<i>9.5</i>	<i>9.5</i>	<i>9.5</i>	<i>9.5</i>	<i>9.5</i>			

*Fuel
Fuel
Sphere
Camp
Bladder*

NO.	SIZE	SERIAL	SIZE AND TYPE	ET SIZE	TOTAL	FROM	TO
<i>12</i>	<i>8 3/4</i>	<i>335117</i>	<i>SEC. S-88</i>	<i>2-14</i>	<i>16 1/4</i>	<i>5948</i>	<i>6016 68</i>
<i>12</i>	<i>8 3/4</i>	<i>335117</i>	<i>SEC. S-88</i>	<i>2-14</i>	<i>24</i>	<i>5948</i>	<i>6045 27</i>
<i>12</i>				<i>✓</i>	<i>31 3/4</i>	<i>5948</i>	<i>6080 132</i>

CORE	No.	No.	DST No.	FROM	TO
TYPE			PREFLOW		
FROM			EST		
TO			VO		
Recovery			EST		
HOURS			RECOVERY		

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	<i>L. TYSON</i>	<i>R. HICKS</i>	<i>R. BEAUDRI</i>
DERRICKMAN	<i>P. FOEISER</i>	<i>G. FRASER</i>	<i>R. LIGHTFOOT</i>
HELPER	<i>O. ZEMHLAK</i>	<i>E. BABITZKE</i>	<i>D. WOOLRIDGE</i>
HELPER	<i>M. LINKHATER</i>	<i>J. MARSHALL</i>	
HELPER	<i>J. JACKSON</i>	<i>B. MCSWEEN</i>	
FIREMAN			
TOOL PUSHER	<i>D. Regenbamp</i>		

DIESEL

172
 N TOUR
 18 FT
 72 FT
 304 FT
 45 FT
 51 FT
 90 FT
 10 FT
 00 FT
 TOUR
 0 FEET
 5 FEET
 5 FEET
 HOURS
 PM 1200 PM
 60
 1410
 55
 55
 5 45
 CONDITION
 REPORT
 4
 10
 67
 20
 575
 575

MUD and CHEMICALS ADDED		From	To	OTHER HOURLY OPERATING DETAIL WORK DONE
Kind	Amount			
FOUR 1		1200	1230	DRILL 8 3/4 HOLE RIG SER. DRILL
1/2" STRAIN OF WATER		1230	1245	
		1245	800	
FOUR 2		8.00	8.15	RIG SER. CHECK B.O.P. DRILL 8 3/4 HOLE.
CAUSTIC	50#	8.15	4.00	
FOUR 3		4:30	4:45	DRILL RIG SER. V BOPS DRILL.
		4:45	4:30	
		4:30	12:00	

CEMENTING, TESTING, FISHING, SPECIAL JOB DETAILS, INCLUDING ENGINEERING SUMMARIES

Fuel 800 Gall
 Fuel 2402
 Spare - full
 Camp approx 3000
 Bladder ~~full~~ full
 DRILLCO STAB # 71188-DALLIERS 23 1/4
 ACCURS 908 1/4

DIESEL FUEL C.I.P. TEMP. IN: 30°F, 0 70°F,

[Signature]
 SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR *G.P. Drilling* RIG NO *24*

FIELD *E. P. T-F-18* WELL NAME

LSD SEC TWP R. W

DRILLING DEEPENING COMPLETING

REDRILLING ABANDONING REWORKING FOR 24 HOURS ENDING 12 MIDNIGHT *APRIL 8* 1972

MUD and CHEMICALS Kind

DRILLING ASSEMBLY		END OF MORNING TOUR			END OF DAYLIGHT TOUR			END OF AFTERNOON TOUR					
STANDS	DP	NO <i>56</i>	<i>53</i>	<i>48</i>	<i>03</i>	NO <i>56</i>	<i>53</i>	<i>48</i>	<i>03</i>	NO	<i>53</i>	<i>48</i>	<i>03</i>
SINGLE	DP	NO <i>2</i>				NO <i>2</i>		<i>63</i>	<i>46</i>	NO			
X-OVER SUB	1 OD			<i>30</i>	<i>4</i>			<i>30</i>	<i>4</i>	X-O		<i>30</i>	<i>4</i>
OTHER	OD												
DRILL COLLARS	<i>5" H90</i> 7 OD	<i>18</i>		<i>55</i>	<i>64</i>			<i>55</i>	<i>64</i>	<i>18</i>		<i>55</i>	<i>64</i>
DRILL COLLARS	OD	NO				NO				NO			
REAMER	OD	KIND				KIND				KIND			
STABILIZER	<i>8 3/4</i> OD	<i>Dallco</i>		<i>65</i>	<i>1</i>	<i>Dallco</i>		<i>65</i>	<i>1</i>	<i>Dallco</i>		<i>65</i>	<i>1</i>
JARS		KIND				KIND				KIND			
BUMPER SUB		KIND				KIND				KIND			
BIT OR CORE BARREL													
TOTAL DP & TOOLS				<i>59</i>	<i>14</i>	<i>03</i>		<i>59</i>	<i>14</i>	<i>03</i>		<i>59</i>	<i>14</i>
KELLY DOWN (BELOW R.B.)				<i>34</i>	<i>64</i>			<i>37</i>	<i>97</i>			<i>37</i>	<i>28</i>
DEPTH OF TOOLS				<i>59</i>	<i>48</i>	<i>67</i>		<i>59</i>	<i>52</i>	<i>00</i>		<i>59</i>	<i>52</i>

TOUR 1
WT M
GEL

TOUR 2
ALUM. STA.

TOUR 3

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	<i>5948</i> FEET	<i>5952</i> FEET	<i>5952</i> FEET
DEPTH START OF TOUR	<i>5948</i> FEET	<i>5948</i> FEET	<i>5952</i> FEET
FOOTAGE DRILLED	<i>0</i> FEET	<i>4</i> FEET	<i>30</i> FEET

DAY WORK	HOURS				HOURS				HOURS			
	2:00 AM	4:00 AM	6:00 AM	8:00 AM	10 AM	12:00 AM	2:00 PM	4:00 PM	6:00 PM	8:00 PM	10:00 PM	12:00 PM
PUMP							<i>58</i>	<i>58</i>	<i>60</i>	<i>60</i>	<i>60</i>	<i>60</i>
ROTARY SPEED							<i>55</i>	<i>55</i>	<i>55</i>	<i>55</i>	<i>55</i>	<i>55</i>
WEIGHT ON BIT							<i>35</i>	<i>35</i>	<i>35</i>	<i>35</i>	<i>35</i>	<i>35</i>
MUD WEIGHT	<i>10.9</i>	<i>11.1</i>					<i>11</i>	<i>11</i>	<i>11</i>	<i>11</i>	<i>11</i>	<i>11</i>
VISCOSITY	<i>68</i>	<i>70</i>					<i>70</i>	<i>70</i>	<i>72</i>	<i>70</i>		
W.L.F.C	<i>6.2</i>	<i>6.2</i>					<i>5.2</i>	<i>5.2</i>	<i>5.2</i>	<i>5.2</i>		
pH	<i>10</i>	<i>10</i>										
MUD LEVEL IN TANKS	<i>349</i>											

fast & Reg Spare amp Bladder Dallco

NO.	SIZE	SERIAL	BIT KIND AND TYPE	ET SIZED (IN)	TOTAL HOURS	ENTER	TO	REMARKS
<i>12</i>	<i>8 3/4</i>	<i>335117</i>	<i>SEC. S-88</i>	<i>2-14</i> <i>7-12</i>	<i>3/4</i>	<i>5948</i>	<i>5952</i>	<i>4</i> NEW
					<i>8 1/2</i>	<i>5948</i>	<i>5952</i>	<i>30</i> IN

CORE No	No	DST No	FROM	TO	REMARKS
TYPE		PREFLOW	min. F.P.	max. F.P.	<i>11.0</i> <i>4</i>
FROM		PSI	min. F.P.	max. F.P.	<i>65</i> <i>71.5</i>
TO		VO	min. F.P.	max. F.P.	<i>10</i>
Recovery		F.SI	min. F.P.	max. F.P.	<i>28</i> <i>28</i>
HOURS		RECOVERY			<i>36</i> <i>275</i>

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	<i>LYLE TYSON</i>	<i>R. HICKS</i>	<i>R. BLANDA</i>
DERRICKMAN	<i>P. FOEISER</i>	<i>G. FRASER</i>	<i>R. BLANDA</i>
HELPER	<i>D. ZEMAK</i>	<i>E. GADITZKE</i>	<i>D. WOODRUFF</i>
HELPER	<i>R. LINKATER</i>	<i>J. MARSHALL</i>	<i>J. BARITZKE</i>
HELPER	<i>J. JACKSON</i>	<i>G. R. SWEEN</i>	<i>G. MARSHALL</i>
FIREMAN			
TOOL PUSHER	<i>G. Ryenbaugh</i>		

TOTCO 5948 1 1/2"

TOUR REPORT

FIELD **E.P. 17-F-18** WELL NAME **EAST PORCUPINE** CONTRACTOR **G.P.** BIG NO **24**
 ✓ DRILLING [] DEEPENING [] COMPLETING
 [] REDRILLING [] ABANDONING [] REWORKING FOR 24 HOURS ENDING 12 MIDNIGHT **April 7** 1972

DRILLING ASSEMBLY		END OF MORNING TOUR			END OF DAYLIGHT TOUR			END OF AFTERNOON TOUR											
STANDS	D.P.	NO. 56	52	84	57	FT	NO. 56	52	84	57	FT	NO. 56	52	84	57	FT			
SINGLE	D.P.	NO.				FT	NO. 1		31	72	FT	NO. 1		63	46	FT			
X OVER SUB	O.D.	1			30	4	FT	1			30	4	FT	1		30	4	FT	
OTHER	O.D.					FT					FT					FT			
DRILL COLLARS	O.D.	5" 11/16 7	18			55	6	4	5	FT					55	6	4	5	FT
DRILL COLLARS	O.D.	NO.				FT	NO.				FT	NO.				FT			
REAMER	O.D.	KIND				FT	KIND				FT	KIND				FT			
STABILIZER	O.D.	8 3/4 Daitco	7			6	5	1	FT	Daitco					6	5	1	FT	
JARS	O.D.	KIND				FT	KIND				FT	KIND				FT			
BUMPER SUB	O.D.	KIND				FT	KIND				FT	KIND				FT			
BIT OR CORE BARREL	O.D.					FT					FT					FT			
TOTAL D.P. & TOOLS						58	8	2	57	FT					58	8	2	29	FT
KELLY DOWN (BELOW R.B.)						3	1	4	3	FT					3	1	4	3	FT
DEPTH OF TOOLS						58	8	2	00	FT					59	1	8	00	FT

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	5882	5918	5948
DEPTH START OF TOUR	5838	5882	5918
FOOTAGE DRILLED	44	36	30

DAY WORK	HOURS											
	2:00 AM	4:00 AM	6:00 AM	8:00 AM	10:00 AM	12:00 AM	2:00 PM	4:00 PM	6:00 PM	8:00 PM	10:00 PM	12:00 AM
PUMP	60	1400	60	1400	60	1400	60	1400	60	1400	60	1400
ROTARY SPEED	55	55	55	55	55	55	55	55	55	55	55	55
WEIGHT ON BIT	35	35	35	35	35	35	35	35	35	35	35	35
MUD WEIGHT	11.0	11.1	11.1	11.1	10.8	11.0	11.0	11.0	10.9	10.9	10.7	
VISCOSITY	80	80	75	74	65	68	68	68	68	70	72	
W.L.F.C.	6.6	6.6	6.6	6.6	7.2	7.2	7.2	7.2	6.4	6.4	6.4	
pH	9.5	9.5	9.5	9.5	10.0	10.0	10.0	10.0	10.0	10.0	10.0	

NO.	SIZE	SERIAL	BIT KIND AND TYPE	EST. WVEST IN FEET	TOTAL FEET	FROM	TO	REMARKS
11	8 3/4	886523	REG'D SCM 5	3-13	604	5600	5882	282
					674	5600	5918	318
					74	5600	5948	348

CORE	No.	No.	DST No.	FROM	TO	REMARKS
TYPE			PREFLOW	mins	F.H.P.	1 sec
FROM			ISI	mins	F.H.P.	11.0
TO			V.O.	mins	F.H.P.	68
Recovery			F.S.	mins	F.H.P.	
HOURS			RECOVERY			28

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	L. TYSON	R. HICKS	C. Winstow
DERRICKMAN	P. FOESIER	G. FRASER	B. LITTLE
HELPER	O. ZEMBAK	E. BARITZKE	R. KYLO
HELPER	R. LINKATER	J. MARSHALL	D. Woolan
HELPER	J. JACKSON	G. McSWEEN	P. POTT
FIREMAN			
TOOL PUSHER			

MUD CHEMICAL Kind
 SER 1
 CAUSTIC
 CMC
 SER 2
 GEL
 LUB
 KAPRIOL
 2" STREAM
 WATER
 SER 3

Drilled 5
 Fuel 800
 Rig-
 SPARR-
 BLADDER-
 CAMP-

COOLANT

OTHER HOURLY OPERATING DETAIL
WORK DONE

1972
TOUR
4 57 FT
3 46 FT
3 04 FT
4 5 FT
5 1 FT
6 51 FT
7 0 FT
7 7 FT
8 FEET
8 FEET
0 FEET

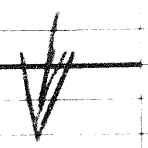
MUD and CHEMICALS ADDED		From	To
Kind	Amount		
TUR 1		12:00	4:15
CAUSTIC	50#	4:15	4:30
CMC	50#	4:30	8:00
TUR 2			
		8:00	9:45
GEL	1000#	9:45	10:00
CMC	50#	10:00	10:45
KAPORIL	1#	10:45	4:00
WATER			
TUR 3			
		4:00	5:00
		5:00	5:15
		5:15	11:45
		11:45	12:00

DRILL 8 3/4 HOLES
RIG SER
DRILL 8 3/4 HOLES

DRILL 8 3/4 HOLE.
RIG SER. HYDRIL KELLY SOCK.
SURVEY @ 5:290-1 3/4
DRILL:

Rig Inspector L. O. Thomas

Drilling
Rig Service 5:20
Drilling
Core Bottom Sample



CEMENTING TESTING FISHING SPECIAL JOB DETAILS INCLUDING ENGINEERING SUMMARIES

DRILLED STAB N° 70488 HRS Acc HRS

FUEL 8:00 AM.
Rig - 66 units -
SPAIR - 10,000
BLADDER -
CAMP - 51 approx 5000

COOLANT IR TEMP: 141°F WATER 78°F

[Signature]
SIGNATURE COMPANY ENGINEER

TOUR REPORT

FIELD **EP Y.T. F-18** WELL NAME

CONTRACTOR **G.P.** RIG NO **24**

DRILLING DEEPENING COMPLETING
 REDRILLING ABANDONING REWORKING FOR 24 HOURS ENDING 12 MIDNIGHT **APRIL 6 1972**

DRILLING ASSEMBLY	END OF MORNING TOUR	END OF DAYLIGHT TOUR	END OF AFTERNOON TOUR
STANDS D.P.	NO 51 507701 FT	NO 55 522212 FT	NO 55 517041 FT
SINGLE D.P.	NO 2 6200 FT	NO 1	NO 2 6261 FT
X OVER SUB 7 O.D.	304 FT	304 FT	304 FT
OTHER O.D.			
DRILL COLLARS O.D.			
DRILL COLLARS 7 O.D.	NO 18 55645 FT	NO 18 55645 FT	NO 18 55645 FT
REAMER O.D.			
STABILIZER 8 1/4 O.D.	KIND O.H. 651 FT	KIND GAINCO 651 FT	KIND 651 FT
JARS			
BUMPER SUB			
BIT OR CORE BARREL			
TOTAL D.P. & TOOLS	572501 FT	578812 FT	581902 FT
KELLY DOWN BELOW R.B.	3679 FT	7388 FT	1298 FT
DEPTH OF TOOLS	576200 FT	580200 FT	593800 FT
TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	5162 FEET	513802 FEET	51838 FEET
DEPTH START OF TOUR	5127 FEET	5762 FEET	5002 FEET
FOOTAGE DRILLED	35 FEET	40 FEET	36 FEET

DAY WORK	HOURS					HOURS					HOURS				
	2:00 AM	4:00 AM	6:00 AM	8:00 AM	10:00 AM	12:00 AM	2:00 PM	4:00 PM	6:00 PM	8:00 PM	10:00 PM	12:00 AM	2:00 AM	4:00 AM	6:00 AM
PUMP	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
ROTARY SPEED R.P.M.	50	55	50	55	55	55	55	55	55	55	55	55	55	55	55
WEIGHT ON BIT M.lbs	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
MUD WEIGHT lb.gal	11.7	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.0	11.0
VISCOSITY sec.cst	68	67	67	65	68	70	68	68	68	55	55	70	60	60	65
W.L.F.C. cc.32nd				6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
pH	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
MUD LEVEL IN TANKS Ft.lns	3'6"	3'6"	3'6"							3'6"	3'6"	3'6"			

NO.	SIZE	SERIAL	BIT KIND AND TYPE	NET WEIGHT IN TANKS	TOTAL HOURS	FROM	TO	REMARKS
11	8 3/4	550523	Reed SCM5	3-13	51	5600	5162	162
					44 3/4	5200	5802	202
11	8 3/4	886533	REED SCM5	3-13	52 1/2	5600	5838	238

CORE No.	No.	DST No.	FROM	TO	REMARKS

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	G. Pittman	L. Tyson	R. WICKS
DERRICKMAN	E. Babbitzke	P. Fossier	G. FRASER
HELPER	D. Butterfield	O. Zambak	E. BABBITZKE
HELPER	I. Thomas	K. Henkater	J. MARSHALL
HELPER	R. Pedersen	J. JACKSON	G. McWHEN
FIREMAN			
TOOL PUSHER	A. Bogenkamp		

MUD CHEMICALS
Kind
WATER 1/2 STREAM
TOUR 3
3-EL - 27
RAPID R.H.
WT. 11.

Driller S
Fuel 6
Lub
Spuds
Bladder
Cable

CLINT

1972

TOUR
 4.1 FT
 6.1 FT
 0.4 FT
 FT
 FT
 4.5 FT
 FT
 5.1 FT
 FT
 FT
 0.2 FT
 9.8 FT
 10.0 FT
 DUR
 FEET
 FEET
 FEET
 HOURS
 P.M. 12:00 P.M.
 6.0
 24.00
 5.55
 - 3.55
 11.0
 6.5
 ADDITION
 REPORT

MUD and CHEMICALS ADDED		From	To	OTHER HOURLY OPERATING DETAIL WORK DONE
Kind	Amount			
TOUR 1		12:00	1:00	Drilling 8 3/4 Hole Rig Ser. & B.O.P. Drilling 8 3/4 Hole
		1:00	1:00	
		1:00	8:00	
TOUR 2		8:00	8:45	Drill Rig Ser. close by Drill - P.P. RAMS Drill
WATER 1/2 STEAM		8:45	9:00	
		9:00	4:00	
TOUR 3		4:00	9:15	DRILL 8 3/4 HOLE. RIG SER - B.O.P. DRILL
GEL - 27	2700 *	9:15	2:30	
RAPIDRIE	12 **	9:30	12:00	
WT. M.	3000 **			

CEMENTING TESTING FISHING SPECIAL JOB DETAILS, INCLUDING ENGINEERING SUMMARIES

Driller Stab No 10488 Hrs 23 1/4 Acc Hrs 139 1/4

Fuel 8" AM
 Rig - 3000 gals
 Spare - 10,000 gals
 Gladwin
 CAMP - 51 (up to 3000 gals)

2 OILANT CIRC. TEMP. 180 - 190 F

[Signature]
 SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR **GP** RIG NO **241**

FIELD **East Penn** WELL NAME **17 F-15** LSD SEC TWP

DRILLING DEEPENING COMPLETING
 REDRILLING ABANDONING REWORKING FOR 24 HOURS ENDING 12 MIDNIGHT **April 5 1972**

DRILLING ASSEMBLY		END OF MORNING TOUR		END OF DAYLIGHT TOUR		END OF AFTERNOON TOUR	
STANDS	D.P.	NO. 5	500317 FT	NO. 54	509607 FT	NO. 54	509607 FT
SINGLE	D.P.	NO. 7	6200 FT	NO.		NO. 1	3162 FT
X-OVER SUB	7 O.D.		304 FT		304 FT		304 FT
OTHER	O.D.						
DRILL COLLARS	O.D.						
DRILL COLLARS	7 O.D.	NO. 18	55645 FT	NO. 18	55645 FT	NO. 18	55645 FT
REAMER	O.D.						
STABILIZER	8 7/8 O.D.	ORANGE	651 FT	DAKCO	651 FT		651 FT
JARS							
BUMPER SUB							
BIT OR CORE BARREL							
TOTAL D.P. & TOOLS			563117 FT		566207 FT		569369 FT
KELLY DOWN (BELOW R.B.)			2183 FT		2793 FT		3331 FT
DEPTH OF TOOLS			565300 FT		569000 FT		572700 FT

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	5153 FEET	5680 FEET	5727 FEET
DEPTH START OF TOUR	5618 FEET	5653 FEET	5690 FEET
FOOTAGE DRILLED	35 FEET	37 FEET	37 FEET

DAY WORK	HOURS				HOURS				HOURS			
	2:00 AM	4:00 AM	6:00 AM	8:00 AM	10:00 AM	12:00 AM	2:00 PM	4:00 PM	6:00 PM	8:00 PM	10:00 PM	12:00 AM
PUMP	60	60	60	60	60	60	60	60	60	60	60	60
ROTARY SPEED	40-50	50-55	50-55	50-55	55	55	55	55	55	55	55	55
WEIGHT ON BIT	35	35	35	35	35	35	35	35	35	35	35	35
MUD WEIGHT	11.2	11.7	11.2	11.2	11.2	11.2	11.2	11.3	11.3	11.3	11.3	11.3
VISCOSITY	72	72	72	72	70	71	71	68	65	62	6.4	6.3
W.L.F.C.	7	7	7	7	7	7	7	7	7	7	7	7
pH	9.5	9.5	9.5	9.5	9.5	9.5	9.5	8.5	8.5	8.5	8.5	8.5
MUD LEVEL IN TANKS	3.0	3.0	3 7/8									

NO.	SIZE	SERIAL	BIT KIND AND TYPE	ET SIZES IN IN.	TOTAL HOURS	FROM	TO
11	8 7/8	886523	Reed SCM 5	3-13	5600	565	53
11	8 7/8	886523	Reed SCM 5	3-13	5600	5690	90

CORE No	No	DST No	FROM	TO	RECOVERY
					11:30
					70
					49.5
					34

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	G. Pittman	L. TISON	R. HICKS
DERRICKMAN	D. Butterfield	P. FIESER	C. FRASER
HELPER	E. Robertson	O. ZEMKAR	D. BUTTERFIELD
HELPER	J. Thomas	R. LINKATER	J. MARSHALL
HELPER	R. Pederson	J. JACKSON	A. McSWEN
FIREMAN			
TOOL PUSHER			

MUD and CHEMICALS
 Kind
 UR 1
 UR 2
 1/2 STREAM WATER
 UR 3
 CAUSTIC

Drilled 5
 Fuel 8"
 Red Tank
 Spare Co
 Bladder
 Camp

TOUR REPORT

East Porcupine 4.7 F-15

CONTRACTOR

G.P

RIG NO 241

FIELD WELL NAME

USD SEC TWP

R/W

DRILLING DEEPENING COMPLETING

REDRILLING ABANDONING REWORKING FOR 24 HOURS ENDING 12 MIDNIGHT

April 4 1972

DRILLING ASSEMBLY	END OF MORNING TOUR		END OF DAYLIGHT TOUR		END OF AFTERNOON TOUR	
STANDS D.P.	NO 53	500185 FT	NO	500185 FT	NO 53	500185 FT
SINGLE D.P.	NO		NO		NO 1	3158 FT
X OVER SUB O.D.		304 FT	1	304 FT		304 FT
OTHER O.D.						
DRILL COLLARS O.D.						
DRILL COLLARS 7 O.D.	NO 18	55645 FT	NO 18	55645 FT	NO 18	55645 FT
REAMER O.D.						
STABILIZER 8/4 O.D.	KIND 0.4	651 FT	KIND	651 FT	KIND	651 FT
JARS						
BUMPER SUB						
BIT OR CORE BARREL						
TOTAL D.P. & TOOLS		556785 FT		556785 FT		559943 FT
KELLY DOWN (BELOW R.B.)		7615 FT		3215 FT		1857 FT
DEPTH OF TOOLS		557400 FT		560000 FT		561800 FT

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	5594 FEET	5600 FEET	5618 FEET
DEPTH START OF TOUR	5554 FEET	5594 FEET	5600 FEET
FOOTAGE DPILLED	40 FEET	6 FEET	18 FEET

	HOURS				HOURS				
	2:00 AM	4:00 AM	6:00 AM	8:30 AM	12:00 AM	2:00 PM	4:00 PM	6:00 PM	8:00 PM
PUMP S.P.M. P.S.I.	55			55				55	60
ROTARY SPEED R.P.M.	65	65	65	65	TRIP			50	50
WEIGHT ON BIT M.lbs	30	30	30	30				30-35	30-35
MUD WEIGHT lbrgal	11	11	11.1	11.1				11.2	11.2
VISCOSITY sec qt	68	68	68	66				60	62
W.L.F.C. cc 32nd	68			68				6.2	6.2
p.H.	7.5			9.5				9.5	
MUD LEVEL IN TANKS Ft. Ins									3'

NO.	SIZE	SERIAL	BIT KIND AND TYPE	BIT SIZES IN IN.	TOTAL HOURS	FROM	TO	REMARKS
10	8 3/4	38451	H.W. X.D.V.	2-11 7-13	31	5410	5594	184
10					32	5410	5600	180
11	8 3/4	886523	REED SCMS	3-13	6	5600	5618	18

CORE	No	No	DST No	FROM	TO	FIELD ENGINEER'S REPORT
TYPE			PREFLOW	min	F.H.P.	
FROM			ISI	min	F.H.P.	
TO			VO	min	F.H.P.	
Recovery			F.S.I.	min	F.S.I.P.	
HOURS			RECOVERY			

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	G. Pittman	Lyke TYSON	P. AICKS
DERRICKMAN	E. Babitzke	P. Foriser	G. FRASER
HELPER	D. Butterfield	O. ZEMBAK	L. SUTTERFIELD
HELPER	J. Thomas	A. Linkhater	J. KIRKSHALL
HELPER	R. Pedersen	J. JACKSON	E. VAN SWEN
FIREMAN			
TOOL PUSHER	A. Sigurdson		

Kind
OK 1
OK 2
OK 3
ALUM. STA.
Drilled S
Fuel 800
Run 7 in
Open to
Bladder
cup

DIESEL FUE

MUD and CHEMICALS ADDED			From	To	OTHER HOURLY OPERATING DETAIL WORK DONE
1972	Kind	Amount			
TOUR	TOUR 1		12 ⁰⁰	4 ¹⁵	Drill 8 3/4 Hole
85 FT			4 ¹⁵	4 ¹⁵	Rig Ser. & ✓ 300's
58 FT			4 ¹⁵	8 ⁰⁰	Drill
04 FT					
45 FT	TOUR 2		8 ⁰⁰	9 ⁰⁰	Drill 8 3/4 Hole
57 FT			9 ⁰⁰	1 ¹⁵	Pump Survey Down Rig Ser. Blow Kelly
			1 ¹⁵	2 ⁰⁰	Chose Blind Rig Savers OK + MAKEUP BIT #11
					396 STARKS TO FILL HOLE ON TRIP
			2 ⁰⁰	4 ⁰⁰	Run in w/ BIT # 11
43 FT					
57 FT					
00 FT	TOUR 3		4 ⁰⁰	5 ¹⁵	FIN. TRIP IN.
TOUR	ALUM. STA. 5 th		5 ¹⁵	6 ⁰⁰	FILL PIPE, RIG SER. CLEAN 22' FILL.
FEET			6 ⁰⁰	12 ⁰⁰	DRILL 8 3/4 HOLE.
FEET					
FEET					
HOURS					
M 12:00 PM					
60					
1400					

CEMENTING TESTING FISHING SPECIAL JOB DETAILS INCLUDING ENGINEERING SUMMARIES

Drilled Stab. N° 70488 Hrs. 14 ³/₄ Acc Hrs. 92 ³/₄

Fuel 8⁰⁰ AM
 Rig Tank - 2100 Gals
 Spare Tank - 112
 Bladder - Full
 Camp - 53'

DIESEL FUEL W. LAIT 100 TEMP? ... 24°

[Signature]
 SIGNATURE COMPANY ENGINEER

TOUR REPORT

EAST PINE CONTRACTOR

E.P.

WELL NO. *21*

FIELD *E.P. 11 F-18* NAME *WTF-18* () DRILLING () DEEPENING () COMPLETING () REDRILLING () ABANDONING () REWORKING FOR *24* HOURS ENERGY () STOPPED *April 3 1972*

MEDICAL CHEMICALS

DRILLING ASSEMBLY		END OF MORNING TOUR			END OF DAYLIGHT TOUR			END OF AFTERNOON TOUR													
STANDS	D.P.	NO. 51	1	2	1	0	NO. 52	4	9	0	7	1	1	NO. 53	4	9	0	7	1	1	
SINGLE	D.P.	NO. 2			6	1	0	0						NO. 2	6	3	0	8			
X-OVER SUB	O.D.				1			1		3	0	4		1		3	0	4			
OTHER	O.D.																				
DRILL COLLARS	O.D.																				
DRILL COLLARS	O.D.	NO. 18					NO. 18	5	5	6	4	5		NO. 18	5	5	6	4	5		
REAMER	O.D.	KIND					KIND							KIND							
STABILIZER	O.D.	KIND			6	5	1			6	5	1		KIND			6	5	1		
JARS	O.D.	KIND												KIND							
BUMPER SUB	O.D.	KIND												KIND							
BIT OR CORE BARREL	O.D.																				
TOTAL D.P. & TOOLS			5	4	1	6	0	5	4	7	3	1	1	5	5	3	6	1	7		
KELLY DOWN BELOW H.B.				2	4	7	0		4	0	6	4					1	7	8		
DEPTH OF TOOLS			5	4	1	6	0	5	5	1	3	7	5	5	5	4	0	0			
TOUR		MORNING TOUR			DAYLIGHT TOUR			AFTERNOON TOUR													
DEPTH END OF TOUR		5	4	1	6	0	5	5	1	3	5	5	4	5	5	4					
DEPTH START OF TOUR		5	4	1	4		5	4	6	6		5	5	1	3						
FOOTAGE DRILLED			5	1				4	7					4	1						

1/4" STREAM WATER
 OR 3
 SEAL: 1000
 P.A.S. 4

DAY WORK	HOURS											
	2:30 AM	4:00 AM	6:00 AM	8:00 AM	10:00 AM	12:00 PM	2:00 PM	4:00 PM	6:00 PM	8:00 PM	10:00 PM	12:00 AM
PUMP	56	56	56	56	56	56	56	56	56	56	56	56
ROTARY SPEED	60-70	60-70	60-70	60-70	60-70	60-70	60-70	60-70	60-70	60-70	60-70	60-70
WEIGHT ON BIT	30	30	30	30	30	30	30	30	30	30	30	30
MUD WGT	11	11	10.9	11.1	11.1	11.0	11.1	11.1	11.1	11.1	11.2	11.2
VISCOSITY	55	80	75	60	60	60	60	60	56	55	60	60
W.L.F.C.	2	2	2	2	2	2	2	2	2	2	2	2
D.H.	9	10	10	10	10	10	10	9.5	9.5	9.5	9.5	9.5
MUD LEVEL IN TANKS	3	3	3	3	3	3	3	3.6	3.6	3.6	3.6	3.6

Drilled 57
 Fuel 6
 100
 100
 100
 100

NO.	SIZE	SEALS	BIT KIND AND STD.	LOG	TIME	TIME	TIME	TIME	TIME	TIME	TIME	TIME
10	8 1/4	38451	H.W. X DV	7-11	7:14	5410	5416	56				
10	8 3/4	38451	H.W. X DV	7-13	7:14	5410	5513	103				
10	8 3/4	38451	H.W. X DV	7-13	7:14	5513	5554	174				
CORE	No.	No.	LOG No.	NO.								
TYPE			PRELIM						1:30		1:2	
FROM									11:15		7/18	
TO									60		7:6/2	
RECOVERY									39		10:0	
HOURS									28		20:0	
SIGNAL RES.									22		40	
											275	

Fuel L120
 Rig Tank
 Spare
 Bladder -

SIGNAL RES.	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	G. Pittman	L. TYSON	R. HICKS
CERK/KAMAN	E. R. bitz	P. FORSICAR	G. FRASER
HELPER	D. Knott	Field OZEMBAK	T. GRAHAM
HELPER	I. Thomas	R. KINKHATER	L. DAVIDSON
HELPER	R. Pedersen	J. JACKSON	J. MARSHALL
FIREMAN			
TOOL MAN			

Alcohol

MUD & CHEMICALS ADDED		From	To	OTHER HOURLY OPERATING DETAIL WORK DONE
Kind	Amount			
TOUR 1		17:00	17:00	Dillo 2 1/4 HOLE Dillo 2 1/4 HOLE Dillo
		17:00	17:00	
		17:00	17:00	
		17:00	17:00	
TOUR 2		8:00	10:15	DRILL 8 3/4 HOLE RIG SER. KETBY COCK. CHOSE KETBY COCK TRY TO OPEN STUCK SHOUT BRAKSEHL OPEN GREAS - OK DRILL
1/4" STREAM WATER		10:15	11:15	
		11:15	4:00	
TOUR 3		4:00	4:30	DRILL 8 3/4 HOLE. RIG SER. CHECK B.O.P. SURVEY @ 5513.12. DRILL.
SEL: 1000 "		4:30	4:45	
RAB. U - 4 "		4:45	5:30	
		5:30	12:00	

CEMENTING, TESTING, DRILLING, DETAIL FOR DETAILS, INCLUDING ENGINEERING, SMALLER

Drilled Stab. N° 70450 H. 2 1/2 Acc 4 - 78

Fuel 6 1/2 AM

2 Tank 2100 gals

Bladder - Full

Bladder - Full

3.6

55

REPORT

1.2 Fuel (1200 AM)

7/18 Rig Tank - 68

9.6/2 Spare - 104

10.0 Bladder - Full

2070

40

275

ALCOHOL CIRC TEMP IN TANK

Signature: [Handwritten Signature]

SIGNATURE COMPANY ENGINEER

MUD and CHEMICALS ADDED		From	To	OTHER HOURLY OPERATING DETAIL WORK DONE
1972	Kind	Amount		
TOUR	DR 1	1	1	Q 1/2 5/16" dia R 1/2 1/2" dia L 1/2 1/2" dia
3.6 FT	10	7.000	1	
0.4 FT				
4.5 FT				
5.1 FT	DR 2	8.00	8.45	DRILL 8 3/4 HOLES
		8.45	9.15	RIG SER BOB'S RIG SAVERS BRACK PINS
		9.15	1.00	PUMP DOWN SURVEY SHOW KELLY + HOIST OUT
		1.00	2.00	MAKE UP BIT NO. 10 RUN IN D.C + 3 STANDS
		2.00		CUT + SAID D/LINE + CHOSE PIPE RAMS +
				WELD SECTION POT ON FLY WHEEL SIDE NO. 1 PUMP
3.6 FT				
6.4 FT				
6.0 FT	DR 3	4.00	4.15	RIG SER.
		4.15	7.30	FIN WELD PUMP
		7.30	9.00	FIN TRIP IN - HOLE 8000.
		9.00		PICK UP KELLY. FILL PIPE + ROTATE
			10.00	30' TO BOTT.
		10.00	12.00	DRILL.

CREATING TESTING CHARTS SPECIAL JOB DETAILS INCLUDING ENGINEERING SUMMARIES

Duller Stab. No 70 '88 Hrs. 10 1/2 Acc. Hrs. 56 1/2

5.5
20
11.0
81
2
7.37
6.7
10.0
20
300

FULL (8 AM)
Rig Tank - full
Spool Tank - full
Weld Tank - full
Camp

Daily 10:00
10:00
10:00

ALCOHOL C. ROTEMP: IN: 9°F OUT: 10°F

(Signature)
SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR

O.P

WELL NO. 241

FIELD *E.P. F-18* WELL NAME

USE REF. TWP. R. W.

DRILLING DEEPENING COMPLETING

REDRILLING ABANDONING REWORKING

DATE OF WORKS ENDING (MONTH)

April 1 1972

DRILLING ASSEMBLY		END OF MORNING TOUR				END OF DAYLIGHT TOUR				END OF AFTERNOON TOUR			
STANDS	D.P.	NO 50	47	150	2 FT	NO 50	48	074	FT	NO 51	48	123	6 FT
SINGLE	D.P.	NO 1		3100	FT	NO 2			FT	NO			FT
X OVER SUB	O.D.			3041	FT	1		304	FT			304	FT
OTHER	O.D.				FT				FT				FT
DRILL COLLARS	O.D.				FT				FT				FT
DRILL COLLARS	7' O.D.	NO 18		55645	FT	NO 18		55645	FT	NO 18		55645	FT
REAMER	4 1/4 O.D.	<i>Brand</i>			FT				FT				FT
STABILIZER	8 1/4 O.D.	<i>Dr. 1100</i>		651	FT	<i>Dr. 1100</i>		651	FT	<i>Dr. 1100</i>		651	FT
JARS		KIND			FT	KIND			FT	KIND			FT
BUMPER SUB		KIND			FT	KIND			FT	KIND			FT
BIT OR CORE BARREL					FT				FT				FT
TOTAL D.P. & TOOLS				531502	FT			504674	FT			537836	FT
KELLY DOWN (BELOW R.B.)				2998	FT			3464	FT			1464	FT
DEPTH OF TOOLS				534400	FT			508139	FT			537930	FT
TOUR		MORNING TOUR				DAYLIGHT TOUR				AFTERNOON TOUR			
DEPTH END OF TOUR				5344	FEET			5381	FEET			5393	FEET
DEPTH START OF TOUR				5290	FEET			5344	FEET			5381	FEET
FOOTAGE DRILLED				54	FEET			37	FEET			12	FEET

MUD LOG
25' 26'
27'
28'
29'

Wah Mah
11/11/72

WT MATERIAL

DAY WORK	HOURS											
	2:00 AM	4:00 AM	6:00 AM	8:00 AM	10:00 AM	12:00 AM	2:00 PM	4:00 PM	6:00 PM	8:00 PM	10:00 PM	12:00 AM
PUMP	48 450	48 450	48 450	48 450	48 450	48 450	48 450	48 450	48 450	48 450	48 450	48 450
ROTARY SPEED	55	55	55	55	55	55	55	55	55	55	55	55
WEIGHT ON BIT	25	25	25	25	25	25	25	25	25	25	25	25
MUD WEIGHT		9.8	9.8	9.8	9.9	10.1	10.2	10.3	10.3	10.3	10.4	10.4
VISCOSITY		50	50	70	65	65	68	68	66	66	66	65
WL F.C.		7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
p.H.		9	9	9	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0
MUD LEVEL IN TANKS		3'	3'	3'	3'	3'	3'	3'	3'	3'	3'	3'

D. W.

Driller

Fuel US

R. L. ...

Space to ...

13' ladder

Camp

NO.	SIZE	SERIAL	BIT KIND	API TYPE	JET NO.	NO. OF TOOTH	FRAM.	...
9	8 3/4	335114	SEC	S-88	4-11-12	32 1/4	5053	5381 271
9	8 3/4	335114	SEC	S-88	10-11-12	40	5053	5381 328
9	8 3/4	335114	SEC	S-88	10-11-12	46 1/4	5381	5393 340

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	<i>G. Pittman</i>	<i>L. Tyson</i>	<i>R. WICKS</i>
DERRICKMAN	<i>E. Bobette</i>	<i>P. POEISER</i>	<i>G. FRASER</i>
HELPER	<i>D. Butterfield</i>	<i>O. Zambak</i>	<i>T. GRAHAM</i>
HELPER	<i>I. Thomas</i>	<i>R. HINKLEY</i>	<i>L. DAVIDSON</i>
HELPER	<i>R. Pedersen</i>	<i>J. JACKSON</i>	<i>T. MARSHALL</i>
FIREMAN			
TOOL PUSHER	<i>CR Stanbury</i>		

MUD and CHEMICALS ADDED			OTHER HOURLY OPERATING DETAIL WORK DONE	
Kind	Amount	From	To	
TOUR 1		12'	12:15	Rig Sur 1 ✓ BOP'S
		12'	1:00	Survey
		1:00	2:00	Drill 8 3/4 Hole
36 FT				
04 FT	MAGGOLBAK	1 box		
	WATER	1/2		
	GEL	8 boxes		
	Water Wash	8 boxes		
45 FT	CMC	1 pack		
	TOUR 2	8:00	9:45	Drill 8 3/4 Hole
51 FT	Water Wash	177 bags	9:45	Rig Ser. Rig Savers Bops
	ALUMINUM ST	50 lb	10:00	Drill 8 3/4 Hole
		10:00	4:00	
36 FT				
64 FT				
00 FT	TOUR 3	4:00	6:45	DRILL 8 3/4 HOLE
UR	WT MATERIALS	12150	6:45	RIG SER. CHECK B.O.P.
FEET		7:00	7:45	SURVEY @ 5387-24
FEET		7:45	8:45	DRILL
FEET		8:45	9:30	WORK ON PUMP
HOURS		9:30	12:00	DRILL
M 12:00 P.M.				
C 44				
950				

CEMENTING TESTING FISHING SPECIAL JOB DETAILS INCLUDING ENGINEERING SUMMARIES

Dr. Uic Stob No 10488 Hrs 21 Acc Hrs 46 1/2

Diesel (8 AM) 115

Fuel (8 AM)
 Rig tank - 1275 gal
 Spare tank - 108"
 Bladder - Full
 Camp - 56"

Fuel 11:59
 Rig tank
 Spare tank

A. J. Harris
 SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR **G.P.** JOB NO. **74**

FIELD **EAST PARTICIPANT** NAME **75** 1-1/2

DRILLING DEEPENING COMPLETING
 REDRILLING ABANDONING REWORKING

JOB IN HOURS ENDING 12 MONDAY **31 MARCH 1972**

DRILLING ASSEMBLY	END OF MORNING TOUR	END OF DAYLIGHT TOUR	END OF AFTERNOON TOUR
STANDS D.P.	NO 48 455135	NO 49 465561	NO 49 462504
SINGLE D.P.	NO 2 6200	NO 1	NO 2 6219
X OVER SUB 7 O.D.	204	1 304	304
OTHER O.D.			
DRILL COLLARS 1' O.D.	18 55645	18 55645	18 55645
DRILL COLLARS O.D.	NO KIND	NO KIND	NO KIND
REAMER O.D.			
STABILIZER 8 1/4 O.D.	KIND DILLCO 651	KIND DILLCO 651	KIND 651
JARS			
BUMPER SUB			
BIT OR CORE BARREL			
TOTAL D.P. & TOOLS	51593.5	522161	525323
KELLY DOWN BELOW H.B.I.	1865	4064	3677
DEPTH OF TOOLS	517800	526225	529060
TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	5178 FEET	5262 FEET	5290 FEET
DEPTH START OF TOUR	5120 FEET	5178 FEET	5262 FEET
FOOTAGE DRILLED	58 FEET	84 FEET	28 FEET

Gel 500"
 D. HAD 2"
 1 stream water
 G-6
 12 STREAM WATER

DAY WORK	MORNING				DAYLIGHT				AFTERNOON			
	2:30 AM	4:00 AM	6:00 AM	8:00 AM	10:00 AM	12:00 PM	2:00 PM	4:00 PM	6:00 PM	8:00 PM	10:00 PM	12:00 AM
PUMP	100	100	60	1600	60	1600	60	48	1000	48	950	
ROTARY SPEED	55	55	55	55	55	55	55	55	55	55	55	
WEIGHT ON BIT	25	25	25	25	25	25	25	25	25	25	25	
MUD WEIGHT	9.4	9.4	9.4	9.4	9.4	9.3	9.3	9.3	9.3	9.3	9.1	
VISCOSITY	62	71	68	65	60	57	57	57	57	58	60	
W.L.F.C.	9	9	9	9	9	9	9	9	9	9	9	
pH	7	7	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	
MUD LEVEL IN TANKS	2'6"	3'0"										

Discharge
 Fuel (F)
 Rig Tank
 Spare Tank
 Bladder
 Camp

NO.	SIZE	SERIAL	BIT KIND AND TYPE	FEET DRILLED	TOUR	START	END
9	8 3/4	335114	SEC S-88	15 1/4	5163	5178	125
9	8 3/4	335114	SEC S-88	10-11-12	22 1/4	5053	5262 209
9				25 1/4	5253	5270	237

D. LINDY
 CIRC SAMPLE
 RUN

CORE NO.	DST NO.	PREFLOW	FROM	TO	RECOVERY	HOURS

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	G. Pittman	L. TYSON	R. HIGGS
DERRICKMAN	E. Babbitake	P. FOEISER	E. FRASER
HELPER	D. Butterfield	D. ZEMBAK	T. GRAHAM
HELPER	I. Thomas	R. LINKLATER	L. DAVIDSON
HELPER	R. Pedersen	J. JACKSON	J. MARSHALL
FIREMAN			
PUSHER			

MUD and CHEMICALS ADDED			OTHER HOURLY OPERATING DETAIL WORK DONE		
1972	Kind	Amount	From	To	
TOUR	TOUR 1		12:00	1:00	0.16 E.H. Mile
04 FT	Gel 800 ^W		1:00	2:00	1.00 200 ✓ SOPS
19 FT	D. Mud 2 ^W		2:00	3:00	Drill
04 FT	1 stream water		3:00	4:00	1.00 200 ✓ SOPS
FT					
45 FT					
FT					
FT	TOUR 2		8:00	10:00	Drill
5-1 FT	Gel	3 Bag	10:00	10:15	RIG SER. CROWN-O-MATIC P. PE RAMS
FT	1/2 STREAM WATER		10:15	3:00	DRILL
FT			3:00	4:00	GRU SAMPLE GASKET AT 5260 PER GOG.
FT					
23 FT					
77 FT					
00 FT	TOUR 3		4:00	4:15	RIG SER. CHECK B.U.P.
DUR			4:15	7:00	WORK ON # 1 & # 2 PUMPS.
FEET			9:00	12:00	DRILL.
FEET					
FEET					
HOURS					
12:00 PM					

CEMENTING, TIEING, FISHING, SPECIAL JOB DETAILS, INCLUDING ENGINEERING SUMMARIES

Desitor (8 HRS.) UF 9.9 OF 9.3 RATE 4 CARS.

Fuel (8 AM)

Rig Tank 2058

Spore Tank 108

Bladder Full

Camp

Dulco Stab. No. 70488 His.

Acc. His.

[Handwritten Signature]
SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR

G.P.

WELL NO 24

FIELD *E. Percupine* NAME

[] DRILLING [] DEEPENING [] COMPLETING

[] REDRILLING [] ABANDONING [] REWORKING

FOR 24 HOURS ENDING 12 M. ON

March 30

1992

DRILLING ASSEMBLY		END OF MORNING TOUR			END OF DAYLIGHT TOUR			END OF AFTERNOON TOUR								
STANDS	D.P.	NO 47	44	36	35	FT	NO 47	44	61	7	FT	NO 48	45	30	1	FT
SINGLE	D.P.	NO 1				30	8	2	FT	NO						
X-OVER SUB	7	O.D.	1			30	4	FT				1				30
OTHER	O.D.															
DRILL COLLARS	O.D.															
DRILL COLLARS	7	O.D.	NO 18	5	5	6	4	5	FT	NO 18	5	5	6	4	5	FT
REAMER	O.D.															
STABILIZER	17	O.D.	KIND CRIST						1	3	4	FT	KIND DRILLCO			6
JARS																
BUMPER SUB																
BIT OR CORE BARREL																
TOTAL D.P. & TOOLS						5	0	3	1	0	0	FT				5
KELLY DOWN BELOW R.B.							2	2	0	0	FT					2
DEPTH OF TOOLS						5	0	3	3	0	0	FT				5
TOUR			MORNING TOUR			DAYLIGHT TOUR			AFTERNOON TOUR							
DEPTH END OF TOUR						5	0	5	3	FEET						5
DEPTH START OF TOUR						5	0	4	6	FEET						5
FOOTAGE DRILLED									7	FEET						6

Gel
1/2 water

DAY WORK		HOURS											
		1:00 AM	4:00 AM	7:00 AM	10:00 AM	1:00 PM	4:00 PM	7:00 PM	10:00 PM	1:00 AM	4:00 AM	7:00 AM	10:00 AM
PUMP	SPM PS	60	1600										
ROTARY SPEED	RPM	50											
WEIGHT ON BIT	LBS	20											
MUD WEIGHT	LB/GAL												
VISCOSITY	SEC/CM												
W.L.F.C.	SEC/CM												
P.H.													
MUD LEVEL IN TANKS	FT/INS												

Daiha Co
STABILIZER
Christen

600
Mud wt 9
Visc 5
W.L. 7.0

NO	SIZE	SERIAL	BIT KIND	DATE	TIME	DEPTH	FOOTAGE	REMARKS
8	8 3/4	335062	SEC	5-88	10-11-12	80	5046	5053
9	8 7/8	335114				1	5053	5060
9	8 7/8	335114	SEC	5-88	10-11-12	8 3/4	5060	5120

A.V. 26
P.V. 17
Y.P. 18
Inj. Gal: 5
10 min Gal: 10
PH 9.5

CORE	No	No	POST No	PREFLOW	RECOVERY
TYPE					
FROM					
TO					
RECOVERY					
HOURS					

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	R. BEAUDRY	G. Pittman	L. TYSON
DERRICKMAN	A. LIGHTFOOT	E. Babitzke	P. FOSTER
HELPER	M. YABLONSKI	D. Butterfield	O. ZAMDAK
HELPER	D. WOODRIDGE	I. Thomas	R. LINIKATER
HELPER	R. BATELLE	R. Pedersen	J. JACKSON
FIREMAN			
TOOL PUSHER			

Alcohol
Ambic
Returus

MATERIALS AND CHEMICALS ADDED		From	To	OTHER HOURLY OPERATING LETTER WORK DONE
1942	Kind	Amount		
TOUR	TOUR 1	12:30	12:35	DRUG
11 FT		12:45	1:00	2 IRD HOLE CLEAN, RIG SER.
FT		1:00	1:15	SURVEY, BLOW HOLE
04 FT		1:15	4:15	HOIST PIPE, HOLE TIGHT, WORK PIPE, STANDS
FT				# 5, 12, 13, 17, 23. OFF BOTTOM, DOUBLE
4.5 FT		4:15		MEASURE OUT
FT				HOIST DRILL OTHERS. SONOSCOPE SAME
51 FT		7:15	8:00	1st DOWN CHRIST STAB & PICK UP DRILL CO
FT		8:00		STAB.
FT				MAKE UP BIT RUN IN
FT				RIG SER - RIG SER
FT				STAB DOWN - 6' 10"
FT				STAB DOWN - 6' 10"
11 FT				STAB DOWN - 6' 10"
93 FT				STAB DOWN - 6' 10"
104 FT				STAB DOWN - 6' 10"
TOUR	TOUR 2			DRILL 8 3/4 HOLE
FEET	GAL	400	5:30	RIG SER
FEET	1/2 WATER	530	5:45	DRILL 8 3/4 HOLE
FEET		545	12:00	

CEMENTING, TESTING, FISHING, SETTING FOR DETAILS, INSPECTION, ENGINEERING, EXAMINATIONS	
6:00	DRILL CO
5:55	STABILIZER Nos 70488 Nos. 8 3/4 ACCUMULATED HRS. 0
5:25	CHRISTENSEN STABILIZER # 22316 laid down.
5:19.4	
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TOUR	MATERIALS CHEMICALS ADDED		From	To	OTHER HOURLY OPERATING DETAIL WORK DONE
	Kind	Amount			
197R					
17 FT	GEL 502F		10:00	2:30	DRUG
	Rapid 9A		2:30	2:30	Rig Ser. ✓ Boops
04 FT			5:00	5:30	DRUG
			6:00	6:30	Surveys
			6:30	8:00	DRUG
45 FT					
34 FT			8:00	7:15	Oil
			7:15	7:30	Rig Ser. ✓ Boops
			7:30	4:00	Oil
00 FT					
04 FT					
04 FT					
DUR			4:00	4:30	Rig Ser. Survey
	GEL	600 lb	4:30	12:00	Drink 8 3/4 Hops
	CMC	1 lb			
	CAUSTIC	50 lb			

CONTINUED ON REVERSE SIDE OF THIS SHEET FOR DETAILS INCLUDING ENGINEERING SUMMARIES

Desilter C.F. 100 C.F. 92

FUEL 2 AM
 RIG TANK - 1193
 SPARE - Full
 BLADDER - Full
 CAMP - 5'

10:30 AM Alcohol Unit
 Ambient Temp 0°F
 Returns 18°F

Christenson Stab # 82316 2214 hrs Cum 171 hrs

L. J. Gumbly
 SIGNATURE COMPANY ENGINEER

Chevron 503C W M F Porcupine Y T F-18

MUD and CHEMICALS ADDED			OTHER HOURLY OPERATING DETAIL WORK DONE		
1972	Kind	Amount	From	To	
OUR	TOUR 1		12:00		Running top to check bit
51 FT				5:00	1 1/2 hrs light pump out
FT				6:00	Change bit
4 FT			6:00	6:30	Clear CE - 11
FT					Drill 5 1/2 Hrs
45 FT					
FT	TOUR 2		8:00	9:45	Drill 5 1/2 Hrs
34 FT			9:00	10:00	Rig SER + V BOP
FT					Survey
FT			10:00	10:00	Drill
FT			10:00	12:00	Survey
30 FT			12:00	4:00	Drill
20 FT					
00 FT	TOUR 3		4:00	5:30	Drill
OUR	G&H	31 Bags	5:30	6:00	Rig SER + SURVEY
FEET	CMC	50 #	6:00	10:45	Drill
FEET			10:45	11:15	Survey
FEET			11:45	12:00	Drill
HOURS					
12:00 P.M.					

CEMENTING TESTING FISHING SPECIAL JOB DETAILS INCLUDING ENGINEERING SUMMARIES

Desilter - U.F. 13.2 O.F. 9.2
 - U.F. 10.7 O.F. 9.3 (11:00 P.M.)

60
~~1600~~
 45
 22
 94
 54
 28
 238
 100

Christensen Stabilizer 82316 15 1/4 hrs Cum hrs 128 1/4

L. F. Grunberg
 SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR

G.D.

RIG NO

24

FIELD *East River* WELL NAME *Y1 F-18*

LSI

SEC

TWP

Rap

W

DRILLING DEEPENING COMPLETING

REDRILLING ABANDONING REWORKING FOR 24 HOURS ENDING 12 MIDNIGHT

March 21 1972

MUD & CHEMICALS

Kind

DRILLING ASSEMBLY	END OF MORNING TOUR			END OF DAYLIGHT TOUR			END OF AFTERNOON TOUR		
STANDS D.P.	NO 31	3492	07 FT	NO 39	3650	83 FT	NO 40	3775	22 FT
SINGLE D.P.	NO 2	620	9 FT	NO			NO		
X OVER SUB O.D.		304	FT		304	FT	1	304	FT
OTHER O.D.			FT			FT			FT
DRILL COLLARS O.D.			FT			FT			FT
DRILL COLLARS <i>7" 18</i> O.D.	NO 18	556	45 FT	NO 18	556	45 FT	NO 18	556	45 FT
REAMER O.D.	KIND		FT	KIND		FT	KIND		FT
STABILIZER <i>8 3/4</i> O.D.	KIND	434	FT	KIND	434	FT	KIND	434	FT
JARS	KIND		FT	KIND		FT	KIND		FT
BUMPER SUB	KIND		FT	KIND		FT	KIND		FT
BIT OR CORE BARREL			FT			FT			FT
TOTAL D.P. & TOOLS		4127	22 FT		4244	66 FT		4339	05 FT
KELLY DOWN (BELOW R.B.)		127	8 FT		153	4 FT		309	5 FT
DEPTH OF TOOLS		4140	00 FT		4260	00 FT		4370	00 FT
TOUR	MORNING TOUR			DAYLIGHT TOUR			AFTERNOON TOUR		
DEPTH END OF TOUR		4140	FEET		4260	FEET		4370	FEET
DEPTH START OF TOUR		4080	FEET		4140	FEET		4260	FEET
FOOTAGE DRILLED		60	FEET		120	FEET		110	FEET

DAY WORK	HOURS				HOURS				
	2:00 A.M.	4:00 A.M.	6:00 A.M.	8:30 A.M.	12:00 A.M.	2:00 P.M.	4:00 P.M.	6:00 P.M.	8:00 P.M.
PUMP	S.P.M. 60	60	60	42	42	42	42	42	42
ROTARY SPEED	R.P.M. 35	35	35	35	35	45	45	45	45
WEIGHT ON BIT	M lbs 30	30	30	30	30	30	30	30	30
MUD WEIGHT	lb/gal 9.4	9.3	9.3	9.3	9.3	9.5	9.5	9.4	9.4
VISCOSITY	sec ct 53	50	55	51	53	51	61	60	55
W.L.F.C.	c.c. 32nd 10.2			1.2			7.2	7.2	7.2
pH	9.5			9			9.5	9.5	9.5

NO.	SIZE	SERIAL	BIT KIND AND TYPE	JET SIZES IN 3/32	TOTAL TOOTH GROUPS	FRAM	FRAM	FRAM
8	8 3/4	343065	SEC S-88	10-11-12	9/4	4080	4260	66
					16	4140	4260	156
8	8 3/4	343065	SEC S-88	10-11-12	2/14	4260	4370	110

CORF No	No	DST No	FROM	TO	MUD ENGINEER'S REPORT
TYPE		PREFLOW	min	F.H.P.	min
FROM		ISI	min	F.H.P.	min
TO		VO	min	F.H.P.	min
Recovery		FSI	min	F.H.P.	min
HOURS		RECOVERY			

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	R. BEAUDRY	G. Pittman	L. Tyson
DERRICKMAN	R. LIGHTFOOT	E. Roberts	P. Fossier
HELPER	M. VAIBLANSKI	D. Kutter	O. Zankak
HELPER	D. WOOLDRIDGE	J. Thomas	R. Lankhatier
HELPER	R. RATOCHÉ	D. Wooldridge	J. JACKSON
FIREMAN			
TOOL PUSHER			

Kind
 R 1
 6 EL-2000
 CMC 50"
 Rapid 15"
 R 2
 400"
 Caustic 50"
 CMC 20"
 12 STREAM WATER
 R 3
 400"
 Caustic 50"
 CMC 20"
 12 STREAM WATER

Des. 1 to
 FUEL 8
 CAMP-2
 SPARE-7
 PG-1
 Blow
 Kelly
 shut at
 man

Christensen

19 ²²	WIND AND CHEMICALS ADDED		OTHER HOURLY OPERATING DETAIL WORK DONE		
	Kind	Amount	From	To	
TOUR	R 1		12 ⁰⁰	2 ¹⁵	DRUG
22 FT	6EL-500#		2 ¹⁵	2 ³⁰	R 6 SER ✓ BIPS
FT	CML 50#		2 ³⁰	8 ⁰⁰	DRUG
04 FT	rapid drill 50#				
FT					
45 FT					
FT					
34 FT	R 2		5 ⁰⁰	7 ⁰⁰	DRUG 8 3/4 HOLES
FT	6EL 400#		7 ⁰⁰	7 ¹⁵	R 6 SER ✓ BIPS
FT	CAUSTIC 50#		7 ¹⁵	7 ³⁰	DRUG
FT	R 6 SER ✓ BIPS		7 ³⁰	7 ⁴⁵	DRUG
FT	CML 50#		7 ⁴⁵	8 ⁰⁰	DRUG
05 FT	2 STREAM WATER		8 ⁰⁰	8 ¹⁵	SURVEY
95 FT			8 ¹⁵	8 ³⁰	DRUG
00 FT	R 3		4 ⁰⁰	5 ⁰⁰	DRUG 8 3/4 HOLES
UR	6EL 1000# 10 sec		5 ⁰⁰	5 ¹⁵	R 6 SER
FEET	CAUSTIC 50# 50#		5 ¹⁵	9 ³⁰	DRUG 8 3/4 HOLES
FEET	CML 50# 50#		9 ³⁰	10 ³⁰	CIRCL HOLES + COND. MUD PER. LING.
FEET	2 STREAM WATER		10 ³⁰		DRIP SURVEY BLOW KELLY + HOIST BIT NO. 8 THRO
HOURS			11 ¹⁵	11 ¹⁵	SET
M 12:00 PM			12 ⁰⁰	12 ⁰⁰	HOLES TIGHT. PICKUP KELLY + PUMP OUT SINKER

CEMENTING, TESTING, FISHING, SPECIAL JOB DETAILS, INCLUDING ENGINEERING SUMMARIES

Desilter U.F. 1 5 O.F. 9.2
 FUEL 8 a.m.
 CAMP - 2'
 SPARE - 93'
 R 6 - 1565

Blow out drill hole

Kelly was right down. Kelly pulled up 7' first single, pumps shut off by hand closed valves operate on flare line and manifold. Total elapsed time 75 seconds. AT 9 PM

L. J. Gumbly

Christenson Stabilizer ~ 82316

19^{3/4} hrs

L. J. Gumbly
 SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR

GP

RIG NO

24

CHEVRON SOL

FIELD *E. Percipine* WELL NAME *Chesson*

LSD *YT F-18* SEC

TWP

R30

W

DRILLING DEEPENING COMPLETING
 REDRILLING ABANDONING REWORKING FOR 24 HOURS ENDING 12 MIDNIGHT

March 25 1972

MUD IN CHEMICALS

DRILLING ASSEMBLY	END OF MORNING TOUR		END OF DAYLIGHT TOUR		END OF AFTERNOON TOUR	
STANDS <i>4 1/2</i> D.P.	NO <i>36</i>	<i>339663</i> FT	NO	<i>339663</i> FT	NO <i>37</i>	<i>349207</i> FT
SINGLE D.P.	NO	<i>6237</i> FT	NO	<i>6237</i> FT	NO	<i>6237</i> FT
X-OVER SUB O.D.	<i>1</i>	<i>304</i> FT	<i>1</i>	<i>304</i> FT	<i>1</i>	<i>304</i> FT
OTHER O.D.						
DRILL COLLARS O.D.						
DRILL COLLARS <i>7</i> O.D.	NO <i>18</i>	<i>55645</i> FT	NO <i>18</i>	<i>55645</i> FT	NO <i>18</i>	<i>55645</i> FT
REAMER O.D.	KIND		KIND		KIND	
STABILIZER <i>8 3/4</i> O.D.	KIND	<i>434</i> FT	KIND	<i>434</i> FT	KIND <i>CHATES</i>	<i>434</i> FT
JARS	KIND		KIND		KIND	
BUMPER SUB	KIND		KIND		KIND	
BIT OR CORE BARREL						
TOTAL D.P. & TOOLS		<i>402418</i> FT		<i>405590</i> FT		<i>405590</i> FT
KELLY DOWN (BELOW R.B.)		<i>2282</i> FT		<i>2510</i> FT		<i>2509</i> FT
DEPTH OF TOOLS		<i>402400</i> FT		<i>405590</i> FT		<i>408099</i> FT

Kind
 Kind
 IR 2
 Gel
 Caustic
 CMC
 Rapidrel
 1' stream
 water.

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	<i>4047</i> FEET	<i>4074</i> FEET	<i>4080</i> FEET
DEPTH START OF TOUR	<i>4032</i> FEET	<i>4047</i> FEET	<i>4074</i> FEET
FOOTAGE DRILLED	<i>15</i> FEET	<i>27</i> FEET	<i>6</i> FEET

DAY WORK	HOURS				HOURS				HOURS			
	2:00 A.M.	4:00 A.M.	6:00 A.M.	8:00 A.M.	10:00 A.M.	12:00 A.M.	2:00 P.M.	4:30 P.M.	6:00 P.M.	8:00 A.M.	10:00 A.M.	12:00 A.M.
PUMP												
ROTARY SPEED R.P.M.					<i>10-1060-10</i>							
WEIGHT ON BIT M lbs.					<i>30 35</i>							
MUD WEIGHT lb/gal				<i>9.2</i>					<i>9.9 9.5 9.5</i>			
VISCOSITY sec/qt				<i>50</i>					<i>56 50 44</i>			
W.L./F.C. c.c. 32nd												
p.H.									<i>10.0</i>			
MUD LEVEL IN TANKS Ft. Ins.				<i>1.6"</i>					<i>3 1/2</i>			

FUEL 2
 Rig Tank
 SPARE ✓
 CAMP ✓
 Motor
 unit in
 Des. 116

NO.	SIZE	SERIAL	BIT KIND AND TYPE	JET SIZES N 1/32	TOTAL HOURS	FROM	TO	REMARKS
<i>7</i>	<i>8 3/4</i>	<i>23993</i>	<i>HW. XDV</i>	<i>2-13</i>	<i>2 1/4</i>	<i>4032</i>	<i>4047</i>	<i>15</i>
<i>8</i>	<i>8 3/4</i>	<i>343065</i>	<i>SEC 388</i>	<i>1-10</i>	<i>1 1/2</i>	<i>4074</i>	<i>4074</i>	<i>1</i>

7-2-0-18

Christens

CORE No.	No.	DST No	FROM	TO	MUD ENGINEER'S REPORT
TYPE		PREFLOW	mins	FHP	PSI
FROM		ISI	mins	FHP	PSI
TO		VO	mins	STP	PSI
Recovery		FSI	mins	FSTP	PSI
HOURS		RECOVERY			

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	<i>R. BEAUDRY</i>	<i>G. Pittman</i>	<i>Lytle Taylor</i>
DERRICKMAN	<i>R. LIGHTFOOT</i>	<i>E. Bobitake</i>	<i>V. ROESLER</i>
HELPER	<i>M. YABLONSKI</i>	<i>D. Butterfield</i>	<i>O. ZEMLAK</i>
HELPER	<i>D. WOOLBRIDGE</i>	<i>I. Thomas</i>	<i>R. Linklater</i>
HELPER	<i>R. BATOCHÉ</i>	<i>D. Woolbridge</i>	<i>J. JACKSON</i>
FIREMAN			
TOOL PUSHER	<i>CR</i>		

DEVIATION RECORD		
Kind	Depth	Feet

CHEVRON SOBC WM E Porcupine YT F-18

OTHER HOURLY OPERATING DETAIL WORK DONE

MUD and CHEMICALS ADDED		From	To	
1972	Kind	Amount		
TOUR				
07 FT	TOUR 1	12:00	2:30	CLEAN MUD TANKS
FT		2:30	4:30	RUN IN W/ BIT NO. 1
04 FT		4:30	5:30	THAW OUT KELLY, BREAK CIRC
FT		5:30	5:45	REAM 5' TO BOTTOM
FT		5:45	8:00	DRILL
4.5 FT				
FT	TOUR 2	8:00	11:00	Only 3/4 Hole
34 FT	Gel	500#	11:00	X-1000 IN COP
FT	Caustic	50#	11:00	Drilling
FT	CML	50#	11:00	
FT	Rapidrol	6#	11:00	
90 FT	1' stream		11:00	Pull out of hole
09 FT	water		11:00	
99 FT				
UR	TOUR 3	4:00	8:00	HOIST OUT TIGHT HOLE
FEET		8:00	8:30	Close Blind Rams Rig SER + BIT NO. 8
FEET		8:30	10:00	RUN IN W/ BIT NO. 8
FEET		10:00	10:30	CHEAM + REAM 18 FT TO BOTTOM
FEET		10:30		DRILL 8 3/4 HOLE
HOURS				
M 12:00 AM				

CEMENTING TESTING FISHING SPECIAL JOB DETAILS INCLUDING ENGINEERING SUMMARIES

FUEL 9 AM. 10:45 (No tank 11/15) 11:00 AM Checked Accuvalve Pressure 1450 psi
 RIG Tank - 1193 replace with 4/1 N2 bottles 2200 psi 2300 psi
 SPARC ✓ - Futh
 Camp ✓ - 5'

Motor on Conductor Casing Re-Segregation unit broke down. Shut unit in 7:00 AM.

Des. 11.4v U.F. 10.9 2 1/2 gpm
 D.F. 9.2

Christensen Stab # 82316 10/14 hrs Done 9.374 hrs

[Signature]
 SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR

GP

RIG NO

24

FIELD *E. Porcupine* WELL NAME *W. Idont* CHEVRON

LSD

SEC

TWP

R

W

DRILLING DEEPENING COMPLETING

REDRILLING ABANDONING REWORKING FOR 24 HOURS ENDING 12 MIDNIGHT

March 24 1972

CHEVRON SOBE

WELL NO. CHEMICALS

Kind

DRILLING ASSEMBLY	END OF MORNING TOUR	END OF DAYLIGHT TOUR	END OF AFTERNOON TOUR
STANDS 1 1/2 D.P.	NO 35 530334 FT	NO 36 5376 FT	NO 36 342823 FT
SINGLE D.P.	NO 1 2998 FT	NO 1 2998 FT	NO 1 2998 FT
X-OVER SUB O.D.	1 304 FT	1 304 FT	1 304 FT
OTHER D.D.			
DRILL COLLARS 7 O.D.	18 55644 FT	18 55645 FT	18 55648 FT
DRILL COLLARS O.D.	NO 55644 FT	NO 55644 FT	NO 55644 FT
REAMER O.D.	KIND	KIND	KIND
STABILIZER 8 1/2 O.D.	KIND CHRIS 434 FT	KIND 434 FT	KIND CHRIS 434 FT
JARS	KIND	KIND	KIND
BUMPER SUB			
BIT OR CORE BARREL			
TOTAL D.P. & TOOLS	389705 FT	376046 FT	399206 FT
KELLY DOWN (BELOW R.B.)	3695 FT	3454 FT	4064 FT
DEPTH OF TOOLS	393400 FT	371510 FT	403270 FT
TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	3434 FEET	3734 FEET	4032 FEET
DEPTH START OF TOUR	3031 FEET	3734 FEET	3995 FEET
FOOTAGE DRILLED	103 FEET	61 FEET	37 FEET

DAY WORK	HOURS				HOURS				HOURS			
	2:00 AM	4:00 AM	6:30 AM	8:00 AM	10:00 AM	12:00 AM	2:00 PM	4:30 PM	6:00 PM	8:00 PM	10:00 PM	12:00 PM
PUMP SPM (PS)	55 / 1500				52 / 1600				52 / 1600			
ROTARY SPEED RPM	40-50				40				35 40 45			
WEIGHT ON BIT M lbs	30 m				25 - 30 - 40-45				40-45 40-45			
MUD WEIGHT lb gal	14	9.4	9.4	9.5	7.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
VISCOSITY sec at	43	43	43	41	40	47	57	50	48	45	45	45
WL F.C. cc 32nd	1" 30	1" 30	1" 30	1" 30	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
pH	9				9				9.5			
MUD LEVEL IN TANKS Ft Ins	3.0				3.0				3.6"			

NO.	SIZE	SERIAL	BIT KIND AND TYPE	BIT SIZES IN IN.	TOTAL HOURS	FROM	TO	DEPTH	REMARKS
6	8 3/4	21195	H.W. X55R	2-13 1-10	8	3831	3934	103	RUN
					15 1/2	3734	3995	164	
6	8 3/4	27795	H.W. X55R	2-13 1-10	19 1/2	3995	4032	201	Hoist Plug Bit

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR	Y.P.	SHO	CAUTION
DRILLER	R. BIERDRI	G. Pittman	Lupe Taylor	23	9.5	20
DERRICKMAN	R. LIGHTFOOT	E. Bobit	P. FOSIER			300
HELPER	M. JABLONSKI	D. Butterfield	O. ZEMBAK			
HELPER	D. WOODRIDGE	J. Thomas	R. LUNKHAUER			
HELPER	K. BATACHE	R. Christal	J. JACKSON			

Kind
~~...~~
~~...~~
~~...~~
~~...~~

600" GEL
 4" DRILL AID
 50" CAUSTIC
 1/2 STR. WATER

1/2 STR. WATER
 1/2 DRILL

DESILTER
 FUEL - 8 m
 PG TANK -
 Spare V -
 Bladder -
 Camp - 9
 DESILTER

Trip bit 26
 wood & rub

MUD ENGINEER REPORT	
8:00 AM	PS .3
Flow 9.6	AK .7
Slit 9.4	W .3
51	9.2/100
28.5	9.0
17	9.5
23	20

W. H. Chambers

CHEVRON 5086 WM E. Porcupine YT F-18

1972
TOUR
23 FT
04 FT
45 FT
34 FT
06 FT
64 FT
70 FT
UR
FEET
FEET
FEET
HOURS
M 12:00 P.M.

MUD and CHEMICALS ADDED		From	To
Kind	Amount		
TOUR 1		12:00	1:21
Concrete		1:25	1:45
Concrete		1:55	8:00
GEL - 500#			
Rapid Drill - 2"			
TOUR 2		2:00	6:00
600# GEL		3:00	17:00
4" DRILL LAD		17:00	17:00
50" CLAUSTIC		17:00	17:00
1/2" STR. WATER			
TOUR 3		4:00	4:30
GEL	8 3/4	4:30	4:45
1/2" STRAM OF WATER		4:45	8:30
RAPIDRILL	4 1/2	8:30	11:30
		11:30	12:00

OTHER HOURLY OPERATING DETAILS WORK DONE

DRILL
RIG SER ✓ 8:00, SURVEY
DRILL

DRILL SER ✓ 17:00
DRILL SER ✓ 17:00
DRILL SER ✓ 17:00

DRILL 8 3/4 Hole
Rig SER
DRILL 8 3/4 Hole
DRUP SURVEY Blow Kelly + Hoist w/ plug BIT
CLEAN MUD TANKS

CEMENTING TESTING FISHING SPECIAL JOB DETAILS, INCLUDING ENGINEERING SUMMARIES

DESILTER 4 A.M. U.F. 10.9 O.F. 9.3

FUEL - 8 P.M.

RIG TANK - 2059

SPARE ✓ - FULL

BLADDER -

CAMP - 90"

DESILTER 2 P.M. U.F. 10.8 O.F. 7.4 U.F. Volume = 2 1/2 GPM.

Trip bit #6 8 3/4 HW X-55-R. Found 2 jets plugged with wood & rubber (rubber came from pump head seals).

BIT
REPORT
3
7
Gel 3
9.2/10
9.0
9.5
20
300

Reading
1
1/2
10

Bill J. ...
SIGNATURE COMPANY LINE

TOUR REPORT

CONTRACTOR *G.P. DRILLING CO.* RIG NO. *24*

FIELD *E. PORCUPINE* WELL NAME *F. 18*

LSD SEC TWP R4P W

DRILLING DEEPENING COMPLETING

REDRILLING ABANDONING REWORKING

FOR 24 HOURS ENDING 12 MIDNIGHT *MARCH 23* 1972

SHEURON 5
Kind

DRILLING ASSEMBLY	END OF MORNING TOUR				END OF DAYLIGHT TOUR				END OF AFTERNOON TOUR					
STANDS D.P.	NO. <i>34</i>	<i>3</i>	<i>2</i>	<i>1</i>	<i>4</i>	<i>4</i>	<i>2</i>	NO. <i>34</i>	<i>3</i>	<i>2</i>	<i>1</i>	<i>4</i>	<i>4</i>	<i>2</i>
SINGLE D.P.	NO.							NO.						
X OVER SUB 7 O.D.	<i>1</i>				<i>3</i>	<i>0</i>	<i>4</i>					<i>3</i>	<i>0</i>	<i>4</i>
OTHER O.D.														
DRILL COLLARS 7 O.D.	<i>17</i>				<i>5</i>	<i>2</i>	<i>5</i>	<i>3</i>	<i>3</i>					
DRILL COLLARS 7 3/4 O.D.	NO. <i>2</i>				<i>3</i>	<i>8</i>	<i>5</i>	NO. <i>2</i>	<i>3</i>	<i>8</i>	<i>5</i>			
REAMER 8 1/4 O.D.	KIND <i>GRANT</i>				<i>6</i>	<i>0</i>	<i>3</i>	KIND	<i>6</i>	<i>0</i>	<i>3</i>			
STABILIZER 8 3/4 O.D.	KIND <i>CHRIST</i>				<i>8</i>	<i>9</i>	<i>6</i>	KIND	<i>8</i>	<i>9</i>	<i>6</i>			
JARS														
BUMPER SUB														
BIT OR CORE BARREL														
TOTAL D.P. & TOOLS		<i>3</i>	<i>7</i>	<i>9</i>	<i>6</i>	<i>3</i>	<i>0</i>		<i>3</i>	<i>7</i>	<i>9</i>	<i>6</i>	<i>3</i>	<i>0</i>
KELLY DOWN (BELOW R.B.)					<i>3</i>	<i>1</i>	<i>7</i>		<i>3</i>	<i>1</i>	<i>7</i>			
DEPTH OF TOOLS		<i>3</i>	<i>8</i>	<i>2</i>	<i>8</i>	<i>0</i>			<i>3</i>	<i>8</i>	<i>2</i>	<i>8</i>	<i>0</i>	

*WATER
GEL
RAP. DRILL*

TOUR	MORNING TOUR				DAYLIGHT TOUR				AFTERNOON TOUR								
DEPTH END OF TOUR		<i>3</i>	<i>8</i>	<i>2</i>	<i>8</i>	FEET		<i>3</i>	<i>8</i>	<i>3</i>	<i>4</i>	FEET	<i>3</i>	<i>8</i>	<i>3</i>	<i>1</i>	FEET
DEPTH START OF TOUR		<i>3</i>	<i>7</i>	<i>4</i>	<i>3</i>	FEET		<i>3</i>	<i>8</i>	<i>2</i>	<i>8</i>	FEET	<i>3</i>	<i>8</i>	<i>3</i>	<i>1</i>	FEET
FOOTAGE DRILLED					<i>8</i>	<i>5</i>	FEET					FEET	<i>0</i>				FEET

DAY WORK	HOURS				HOURS				
	2:00 AM	4:00 AM	6:00 AM	8:00 AM	10:00 AM	12:00 AM	2:00 PM	4:00 PM	6:00 PM
PUMP	s.p.m. <i>900</i>	<i>1500</i>	<i>1500</i>	<i>1500</i>					
ROTARY SPEED	R.P.M. <i>45</i>	<i>45</i>	<i>45</i>	<i>45</i>					
WEIGHT ON BIT	M.lbs. <i>30</i>	<i>30</i>	<i>30</i>	<i>30</i>					
MUD WEIGHT	lb/gal <i>9.5</i>	<i>9.5</i>	<i>9.5</i>	<i>9.5</i>					
VISCOSITY	sec/qt <i>42</i>	<i>40</i>	<i>42</i>	<i>57</i>					
W.L./F.C.	c.c./32nd		<i>9</i>	<i>1/32</i>					
p.H.			<i>9</i>	<i>36</i>					

TRIP
T R T P

*DE-SILTER
FUEL 4: AM
RIG T.
RES.
BLAD
Comp*

NO.	SIZE	SERIAL	BIT KIND AND TYPE	JET SIZES IN 1/32	TOTAL HOURS	FROM	TO	REMARKS
<i>5</i>	<i>8 3/4</i>	<i>912064</i>	<i>SEC. S-88</i>	<i>2-10 1-12</i>	<i>62 3/4</i>	<i>3743</i>	<i>3828</i>	<i>1029</i>
<i>5</i>	<i>8 3/4</i>	<i>912064</i>	<i>SIC S-88</i>	<i>2-10 1-12</i>	<i>63 1/2</i>	<i>3828</i>	<i>3834</i>	<i>1035</i>
<i>6</i>	<i>8 3/4</i>	<i>27995</i>	<i>HW X55R</i>	<i>2-13 1-10</i>		<i>3831</i>		

*Run 1
8-4-1*

CORE	No.	No.	DST No	FROM	TO	FIELD ENGINEER'S REPORT
TYPE			PREFLOW	mins	I.H.P.	psi
FROM			ISI	mins	F.H.P.	psi
TO			VO	mins	I.S.T.P.	psi
Recovery			F.S.I	mins	F.S.T.P.	psi
HOURS			RECOVERY			

Dip

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR	DEPTH
DRILLER	<i>R. HICKS</i>	<i>R. BEAUDRY</i>	<i>R. Pittman</i>	
DERRICKMAN	<i>G. FRASER</i>	<i>R. LIGHTFOOT</i>	<i>E. Lubitzke</i>	<i>3743 1 1/4</i>
HELPER	<i>T. GRAHAM</i>	<i>M. YABLONSKI</i>	<i>D. Kutterfield</i>	
HELPER	<i>A. DAVIDSON</i>	<i>D. WOOLDRIDGE</i>	<i>L. Thomas</i>	
HELPER	<i>J. MARSHALL</i>	<i>R. BATOCHÉ</i>	<i>R. Christal</i>	
FIREMAN				
TOOL PUSHER	<i>G. H. Hunt</i>			

*Run 2
8 3/4 Christal*

8 3/4 Grot. T. R.

*Run 3
8 3/4 Christal*

MID AND CHEMICALS ADDED		From	To		
72	Kind	Amount	12.00	12.15	GIR. HOLE CLEAN. CHECK
	JR 1		12.15	12.45	SURVEY @ 3743-1 1/4 RIG SER. B.O.P.
	WATER		12.45	8.00	DRILL 8 3/4 HOLE.
	GEL.	500			
	RAP. DRILL	2			
	JR 2		8.00	8.45	DALG
			8.45	9.30	WORK PIPE, CIRC HILL R.O.S.P
			9.30	2.30	HOLD FOR BIT HOLD TIGHT, PUMP
			2.30	4.00	OUT 1 S. CLES
					LAY DOWN STAB, 750 D.C.
	JR 3	#	4.00	4.15	R. SORT
			4.15	5.00	Lay Down 1/2 DC
			5.00	5.15	Run in 3/4 Yellow
			5.15	6.00	Run in Yellow
			6.00	5.15	Stop & Cut Log
			5.15	10.15	Run in Hole
			10.15	11.30	Clean 100' to Bottom
			11.30	17.00	Dalg

DE-SILTER.

CEMENTING TESTING FISHING SPECIAL JOB DETAILS, INCLUDING ENGINEERING SUMMARIES

FUEL	4: AM	UF-10.7	OF-9.5
RIG T.	-	7 1/4"	11:59 PM Fuel Rig Jack = 62'
RES.	-	1 1/4"	6000 gal Tank = 113'
BLAD	-	5910	Bladder =
Comp	-	4000	Comp =

Cooler casing Refrigeration No. 7. Coolant + 16°F. Ambient Temp - 5°F.

Depth Correction. Board 3838.94
 Stamp O.I.T 3839.59
 Correction - 3.35
 Depth Corrected From 3834 To ~~3834~~ 3831

Run #2	8 3/4 Christensen Stabilizer # 82315	-	63 1/2 Rotating Hrs	1035 FT.	Laid down
	# 82316	-	63 1/2 Rotating Hrs.	1035 FT.	Run in
	8 3/4 Goo.T Recorder	-	63 1/2 Rotating Hrs.	1035 FT.	

Run #3
 8 3/4 Christensen Stabilizer # 82316 Run in at 3834' 60ft - bore bit.

Fuel received from address	6000 gal	32923
	3202	32927
	3204	32907

SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR **G.P. DRAG. CO. RIG NO. 24.**

FIELD **E. PORCUPINE** WELL NAME **F 18**

DRILLING DEEPENING COMPLETING

REDRILLING ABANDONING REWORKING

FOR 24 HOURS ENDING AT MIDNIGHT **MARCH 22**

1972

CHEVRON
INDUSTRIAL CHEMICALS
Kind

DRILLING ASSEMBLY	END OF MORNING TOUR			END OF DAYLIGHT TOUR			END OF AFTERNOON TOUR		
	NO	FT	NO	FT	NO	FT	NO	FT	
STANDS .. D.P.	31	2931.57	32	2026.52	33	1816.21			
SINGLE .. D.P.				31.4					
X-OVER SUB .. 7" O.D.	1	30.4	1	30.4	1	30.4			
OTHER .. O.D.									
DRILL COLLARS .. 7" O.D.	17	525.33		525.33	17	525.33			
DRILL COLLARS .. 7 3/4" O.D.	NO 2	385.2	NO 2	385.2	NO 2	385.2			
REAMER .. 8 3/4" O.D.	KIND	6.03	KIND	6.03	KIND	6.03			
STABILIZER .. 8 3/4" O.D.	KIND	8.96	KIND	8.96	KIND	8.96			
JARS									
BUMPER SUB									
BIT OR CORE BARREL									
TOTAL D.P. & TOOLS		3513.457		3639.15		1025.0			
KELLY DOWN (BELOW R.B.)		395.5		16.85		4.64			
DEPTH OF TOOLS		3553.00		3656.00		314.0			
TOUR	MORNING TOUR			DAYLIGHT TOUR			AFTERNOON TOUR		
DEPTH END OF TOUR		3553	FEET		3656	FEET		314	FEET
DEPTH START OF TOUR		3440	FEET		3553	FEET		2156	FEET
FOOTAGE DRILLED		113	FEET		103	FEET		97	FEET

DAY WORK	HOURS				HOURS				HOURS			
	2:00 AM	4:00 AM	6:00 AM	8:00 AM	10:00 AM	12:00 AM	2:00 PM	4:00 PM	6:00 PM	8:00 PM	10:00 PM	12:00 PM
PUMP	54	54	54	55	55	55	55	55	55	55	55	55
ROTARY SPEED	40	40	40	40-50	40-50	40-50	40-50	40-50	40-50	40-50	40-50	40-50
WEIGHT ON BIT	25	25	25-30	25	25	25	25	25	25	25	25	25
MUD WEIGHT	9.5	9.5	9.5	9.6	9.6	9.6	9.6	9.6	9.5	9.5	9.5	9.5
VISCOSITY	50	40	42	45	45	45	45	47	49	51	51	51
W.L.F.C.	9.0	9.0	9.0	8.0	8.0	8.0	8.0	10.0	10.0	10.0	10.0	10.0
p.H.	9.0											
MUD LEVEL IN TANKS								26"	26"	3"	36"	

NO.	SIZE	SERIAL	BIT KIND AND TYPE	JET SIZES IN 1/32"	TOTAL HOURS	FROM	TO	FEET	REMARKS
5	8 3/4"	912064	SEC. S-88	2-10 7-12	4 1/2	3440	3553	754	RUN
					1/8	3553	3656	857	
						3656	3743	744	

CORE No.	No.	DST No.	FROM	TO	MUD ENGINEER'S REPORT
TYPE		PREFLOW	mins. IHP	mins. IHP	
FROM		ISI	mins. FHP	mins. FHP	
TO		VO	mins. ISIP	mins. ISIP	
Recovery		FSI	mins. FSIP	mins. FSIP	
HOURS		RECOVERY			

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR	DEVIATION	REMARKS
DRILLER	R. HICKS	R. BEAUDRI	G. Pittman		
DERRICKMAN	G. FRASER	R. LIGHTFOOT	E. GABRIEL	TOTCO	3458 1 1/2
HELPER	T. GRAHAM	M. YABLONSKI	D. PITTMAN		3522 - 1 1/2
HELPER	L. DAVIDSON	D. WOOLDRIDGE	J. THOMAS		3617 1 1/2
HELPER	J. MARSHALL	R. B. TACHE	R. CHRISTEL		
FIREMAN					
TOOL PUSHER	Carl Stambur				

R1
WATER,
GEL - 400
RAP DR. 2

R2

R3
WATER 1" STR.
600# GEL
50" CAUSTIC
50" C.M.C.
50" AMM. NIT.
6" DRILL LAD

DESINTER
1 AM. U.F.
RIG T. - 7
RES. - 55
BLAD - 5

10:30 AM Cont
7:00 PM

7:00 PM
DESIL

CHEVRON 50 BC W.H. E. PARCMAINE Y. T. F 18

OTHER HOURLY OPERATING DETAILS WORK DONE

1972	CHEMICALS ADDED		From	To	OTHER HOURLY OPERATING DETAILS WORK DONE
	Kind	Amount			
TOUR			12.00	1.00	DRILL 8 3/4 HOLE
1 2 FT	WATER		1.00	1.15	CIR. HOLE CLEAN
FT	GEL - 400		1.15	1.45	SURVEY R 3458 1 1/2 RIG SER. CHECK B.O.P.
1 4 FT	RAP. DR. 2		1.45	5.15	DRILL
FT			5.15	5.30	CIR. HOLE CLEAN
3 2 FT			5.30	6.00	SURVEY R 3522 - 1 1/2
5 2 FT			6.00	8.00	DRILL
1 3 FT			8.00	8.3	REG SER ✓ BOPS OK
9 6 FT			8.3	12.3	DRILL
FT			12.3	1.00	CIRC HOLE, SURVEY
FT			1.00		DRILL
5 0 FT					
6 4 FT					
1 4 FT					
UR	WATER 1" STR.		5.00	5.00	U. L. SER ✓ BOPS OK
FEET	600# GEL		5.00	10.00	R. A. SER ✓ V BOPS OK
FEET	50# CAUSTIC		10.00	10.00	DRILL
FEET	50# C.M.C.		10.00		Work Hole Clean
HOURS	50# AMM. NIT.		10.00		DRILL
M 12 00 P.M.	6# DRILL AID				

DESILTER. CEMENTING LISTING FISHING SPECIAL JOB DETAILS, INCLUDING ENGINEERING SUMMARIES

1 A.M. U.F. 11.2 O.F. 9.5 7 A.M. U.F. 11.0 O.F. 9.7
 RIG 7 - 79"
 RES. " 55" APPROXIMATE 12 AM @ 10.5 OF 9.4
 BLAD - 5910 gals 2 P.M. U.F. 10.2 O.F. 7.4

10.00 AM Condenser Cgs Refrigeration Unit Coolant return +20°F Ambient +5°F
 7:00 PM " " " " " " " " +15°F Ambient 0°F

7:00 PM Put N° 1 in Hole
 DESILTER U.F. APPROXIMATE 4 GAL PER MIN.

TOUR REPORT

CONTRACTOR **B. P. DRUG. LTD.** JOB NO. **24**

FIELD **E. PORCUPINE** WELL NAME **F 18**

LSD SEC TWP

CHEURON
INDIAN CHEMICALS
Kind

DRILLING DEEPENING COMPLETING
 REDRILLING ABANDONING REWORKING FOR 24 HOURS ENDING 12 MIDNIGHT **MARCH 21 1972**

DRILLING ASSEMBLY	END OF MORNING TOUR			END OF DAYLIGHT TOUR			END OF AFTERNOON TOUR		
STANDS	DP	NO 22	255563 FT	NO 28	264826 FT	NO 30	293649 FT		
SINGLE	DP	NO			3162 FT	NO			
X OVER SUB	7 OD	1	304 FT	1	304 FT	1	304 FT		
OTHER	OD								
DRILL COLLAPS	7 OD	17	52603 FT	17	52603 FT	17	52603 FT		
DRILL COLLARS	7 OD	NO 2	3852 FT	NO 2	3852 FT	NO 2	3852 FT		
REAMER	8 OD	KIND GRANT	603 FT	KIND GRANT	603 FT	KIND	603 FT		
STABILIZER	8 OD	KIND 2 CHRIST	896 FT	KIND CHRIST	896 FT	KIND	896 FT		
JARS									
BUMPER SUB									
BIT OR CORE BARREL									
TOTAL D.P. & TOOLS			313753 FT		326246 FT		341907 FT		
KELLY DOWN (BELOW R B)			1497 FT		3054 FT		3054 FT		
DEPTH OF TOOLS			315200 FT		329300 FT		344000 FT		

GEL RAPIRIL WATER

JR 2 Coaste CMC Gel Rapid Drill

UR 3 WATER

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	3152 FEET	3293 FEET	3440 FEET
DEPTH START OF TOUR	3075 FEET	3152 FEET	3273 FEET
FOOTAGE DRILLED	77 FEET	141 FEET	147 FEET

DAY WORK	HOURS				HOURS				HOURS			
	2:00 AM	4:00 AM	6:00 AM	8:00 AM	10:00 AM	12:00 AM	2:00 PM	4:30 PM	6:00 PM	8:00 PM	10:30 PM	12:00 PM
PUMP	S.P.M. 54	54	54		55	1500						
ROTARY SPEED	R.P.M. 40	40	40		40	50		45	50	45	50	
WEIGHT ON BIT	M.lbs 30	30	30		30 m.			20				
MUD WEIGHT	lb/gal 9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4
VISCOSITY	sec/cst 47	47	46	48	47	48	50	60	51	47	47	
W.L.F.C.	c.c./32nd 9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0
p.H.	9.0		8.5		8.5	9	9	9	9	9	9	
MUD LEVEL IN TANKS	Ft-Inch 3.6				3.6	3.0	3.0	3.6	3.6	3.0		

2.00 A.M. DESILT, RIG 72 REC- 52 BLAD- 591 Comp. (w/ Tank)

Conductor C. Short

NO.	SIZE	SERIAL	BIT KIND AND TYPE	LET SIZES IN TANK	TOTAL FEET	FROM	TO	REMARKS
5	8 3/4	912064	SEC. S-88	2-10 7-12	202	3075	3152	353
					274	2152	293	494
					414	273	3440	641

CORE	No.	No.	DST No.	FROM	TO	MUD ENGINEER'S REPORT					
TYPE			PREFLOW	mins	FHP	PSI	FHP	PSI	Time	8:30	PE = 0.1
FROM			FSI	mins	FHP	PSI	FHP	PSI	Mud Wt	9.3	AKME 0.2
TO			VO	mins	FSIP	PSI	GIS	mins	Visc	45	at 10/4
Recovery			FSI	mins	FSIP	PSI	FTS	mins	AV	225	8.5
HCURS			RECOVERY						RV	13	7

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR	Y.P.	19	REVISION RECORD
DRILLER	A. HICKS	R. BAUDRY	G. PITTMAN			
DERRICKMAN	G. FRASER	R. LIGHTFOOT	E. LEBLANC	JACO	3084	7/8
HELPER	T. GRAHAM	M. JABLONSKI	D. BUTCHER		3209	1°
HELPER	L. DAVIDSON	D. WOODRIDGE	I. THOMAS		3365	1°
HELPER	J. MARSHALL	R. BATECHE	R. CHRISTAL			
FIREMAN						
TOOL PUSHER	AR Stables					

TOUR REPORT

CONTRACTOR

GP

RIG NO

24

FIELD *E. Porcupine* WILDCAT

LSD

SEC

TWP

R#

W

DRILLING DEEPENING COMPLETING

REDRILLING ABANDONING REWORKING

FOR 24 HOURS ENDING 12 MIDNIGHT

March 20

1972

CHEURON 508

MUD & CHEMICALS

Kind

DRILLING ASSEMBLY	END OF MORNING TOUR		END OF DAYLIGHT TOUR		END OF AFTERNOON TOUR	
STANDS	DP NO 23	217480 FT	NO 24	228989 FT	NO 25	46100 FT
SINGLE	DP NO 1	3088 FT	NO 2	6311 FT	NO 1	
X OVER SUB	7 OD 1	304 FT		304 FT	1	4 FT
OTHER	OD					
DRILL COLLARS	7 OD 17	52603 FT	17	52603 FT	17	
DRILL COLLARS	7 3/4 OD NO 2	3852 FT	NO	3852 FT	NO 2	
REAMER	8 1/2 OD KIND	603 FT	KIND	603 FT	KIND	
STABILIZER	8 1/2 OD KIND 2	896 FT	KIND	896 FT	KIND	
JARS	KIND		KIND		KIND	
BUMPER SUB						
BIT OR CORE BARREL			3' CORR.	300 FT		
TOTAL DP & TOOLS		278836 FT		291788 FT		254358 FT
KELLY DOWN (BELOW R B)		4064 FT		2612 FT		-142 FT
DEPTH OF TOOLS		282900 FT		317900 FT		307510 FT

TOUR	MORNING TOUR		DAYLIGHT TOUR		AFTERNOON TOUR	
	DEPTH END OF TOUR	DEPTH START OF TOUR	FOOTAGE DRILLED	DEPTH END OF TOUR	DEPTH START OF TOUR	FOOTAGE DRILLED
	2829	2799	30	2944	2832	112

DAY WORK	HOURS				HOURS				
	2:00 AM	4:00 AM	6:00 AM	8:00 AM	10:00 AM	12:00 PM	2:00 PM	4:00 PM	6:00 PM
PUMP			52	52	58	1450			
ROTARY SPEED			40-45	45	40-50				
WEIGHT ON BIT			30	30	30				
MUD WEIGHT			9.4	9.4	9.4	9.4	9.4	9.4	9.4
VISCOSITY			47	407	45	38	46	42	38
W.L.F.C			10.2	2	10.2	2	10.2	2	10.2
p.H			9.5		9.0	11	9.0	9.0	9.0
MUD LEVEL IN TANKS			2.0		3.5	3.5	2.5	3.0	3.5

NO.	SIZE	SERIAL	BIT KIND AND TYPE	JET SIZES IN 3/32	TOTAL HOURS	FROM	TO	REMARKS
5	8 3/4	912044	SEC. S-88	2-10 7-12	2	2799	2829	30
					1	2882	2944	145
					15 1/4	2744	3045	273

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	R. HICKS	R. BOURDEL	G. Pittman
DERRICKMAN	C. FRASER	R. LIGHTFOOT	E. BABITZKE
HELPER	T. GRAHAM	M. Tolchansk	D. Butler
HELPER	L. DAVIDSON	D. WOODRIDGE	L. THOMAS
HELPER	J. MARSHALL	R. BAROCH	R. CHRISTAL

R 1
WATER

R 2
2 TREAD

R 3
WATER 4 1/2
SKE PM
200 GEL
2 DR L-8-D

3' Depth
DU

Conducted
Shot on
warmer

Pressured
Fuel rec
D. H. H. 71

CHEURON SOBC WM E. Porcupine YT F-18

OTHER HOURLY OPERATING LETAH WORK DONE

1972	MUD and CHEMICALS ADDED	From	To	WORK DONE
TOUR	Kind	Amount		
0 0 FT	WATER	12.00	1.30	FIN. TRIP OUT
4 FT		1.30	1.45	CLOSE BLIND RAMS - RIE SER.
8 FT		1.45	3.00	CHEG. BITT - ROLL DRILL PIPE + ITEMS. + PICK UP 3 - 7" D.C.
12 FT		3.00	4.30	MEAS. IN. HOLE
16 FT		4.30	5.45	REAM DOWN 90 TO BOTT (23' 700K WT.)
20 FT		5.45	7.45	DRILL 8 3/4 HOLE
24 FT		7.45	8.00	CIR. HOLE CLEAN
28 FT		8.00	8.30	RIG SER SURF
32 FT		8.30	1.30	DRLG.
36 FT	WATER	1.30	3.00	CHANGE WASH PIP PACKING
40 FT		3.00	4.00	DRLG.
44 FT				
48 FT				
52 FT				
56 FT				
60 FT	JR 3	4.00	7.00	Drly.
64 FT	WATER 1/2"	5.00	7.00	Drly.
68 FT	SIREAM.	7.00	7.00	Drly.
72 FT	500 th GEL	7.00	7.00	Drly.
76 FT	2" DR L-AD	7.00	12.00	Drly.
80 FT				
84 FT				
88 FT				
92 FT				
96 FT				
100 FT				

CEMENTING TESTING FISHING SPECIAL JOB DETAILS INCLUDING ENGINEERING SUMMARIES

Flowam			
RIG - 57"	5 Trip into hole.	2802.44'	
RES - 59"	Board Tally	2799.42'	
		<u>3.02'</u>	

3' Depth correction made at 2829 to 2832.
DUMP SHAKER TANK

Conductor casing refrigeration unit coolant Temp +18°F
Shot unit down from 1:30 PM - 6:30 PM. Ambient Temp
warmer than coolant.

Pressured 20000 gal fuel bladder with air bleed on leaks.
Fuel received March 20th

Diluting fuel #329563 = 5910.3 gal in fuel bladder
#329553 = 6000.0 gal (put 4550 gal in camp tank 1450 gal in 2 tanks)

Richard L. Taylor CET
SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR **G.P. DRUG. CO.** RIG NO **24**

FIELD **E. PORCUPINE** WELL NAME **F 18**

LSD SEC TWP R4P W

DRILLING DEEPENING COMPLETING

REDRILLING ABANDONING REWORKING FOR 24 HOURS ENDING 12 MIDNIGHT **MARCH 19 1972**

CHEVRON SUBS

MUD and CHEMICALS

Kind

DRILLING ASSEMBLY		END OF MORNING TOUR		END OF DAYLIGHT TOUR		END OF AFTERNOON TOUR	
STANDS	D.P.	NO. 22	207960 FT	NO. 23	217980 FT	NO. 24	226917 FT
SINGLE	D.P.	NO. 2	6348 FT	NO. 1	3168 FT	NO.	
X-OVER SUB	7 O.D.		304 FT		304 FT		304 FT
OTHER	O.D.						
DRILL COLLARS	7 O.D.	14	43306 FT	14	43306 FT		23 FT
DRILL COLLARS	7 3/4 O.D.	NO 2	3852 FT	NO	3852 FT	NO	
REAMER	8 3/4 O.D.	KIND GRANT	603 FT	KIND	603 FT	KIND	
STABILIZER	8 3/4 O.D.	KIND 2 KIND 2 KIND 2 KIND 2	896 FT	KIND	896 FT	KIND	
JARS							
BUMPER SUB							
BIT OR CORE BARREL							
TOTAL D.P. & TOOLS			263269 FT		269609 FT		275875 FT
KELLY DOWN (BELOW R.B.)			1731 FT		3691 FT		4064 FT
DEPTH OF TOOLS			265060 FT		273400 FT		279942 FT
TOUR		MORNING TOUR		DAYLIGHT TOUR		AFTERNOON TOUR	
DEPTH END OF TOUR		2650 FEET		2734 FEET		2799 FEET	
DEPTH START OF TOUR		2540 FEET		2650 FEET		4 FEET	
FOOTAGE DRILLED		110 FEET		84 FEET		65 FEET	

UR 1
WATER
BEL
RAPIDRIL

UR 2

UR 3
S.C.

DAY WORK	HOURS											
	2:00 AM	4:00 AM	6:00 AM	8:00 AM	10:00 AM	12:00 AM	2:00 PM	4:30 PM	6:00 PM	8:00 PM	10:00 PM	12:00 PM
PUMP	54 1400	54 1400	54 1400	54 1400	55 1450	55 1450	55 1450	55 1450	55 1450	55 1450	55 1450	55 1450
ROTARY SPEED	40	35-40	40	40			40-50	40-50	40-50			
WEIGHT ON BIT	30	25-30	30	30			25-30	25-30	25-30			
MUD WEIGHT	9.4	9.4	9.3	9.3			7.5	7.5	7.5	7		
VISCOSITY	37	39	38	37			40	40	40	47		
W.L.F.C	10.8 4/32		10.8 4/32				11	11	11	11		
pH	10		9.5				7.5					
MUD LEVEL IN TANKS				2.7"								

2 A.M. - DESILT
7 A.M. - DESILT
8 A.M. RIG 2 - 27
RES. 59
Cond. in Case

NO.	SIZE	SERIAL	BIT KIND AND TYPE	JET SIZES IN 1/32	TOTAL HOURS	FROM	TO	REMARKS	BIT CONDITION
4	8 3/4	912775	SEC. 586	7-10 7-11	85	2540	2650	1774	
					89 1/2	2650	2734	1858	
					74	2734	2179	1773	

B.L. 24

CORE No.	No.	DST No.	FROM	TO	MUD ENGINEER'S REPORT
TYPE		PREFLOW	mins. IHP	ps. IHP	ps. Time
FROM		ISI	mins. FHP	ps. FHP	ps. Mud Wt. 9.5
TO		VO	mins. ISTP	ps. GTS	mins. Vis. 40
Recovery		FSI	mins. FSTP	ps. FTS	mins. AV 15
HOURS		RECOVERY			PV 11

8 3/4 Ch.
8 3/4 G.

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR	DEVIATION RECORD
DRILLER	R. Hicks	R. Beaudry	G. Pettman	Kind
DERRICKMAN	G. BRASER	R. Lightfoot	E. Babitzke	Depth
HELPER	T. GRAHAM	M. Jabloner	D. Butterfield	Resid.
HELPER	L. DAVIDSON	P. Woodbridge	J. Thomas	2546
HELPER	J. MARSHALL	A. Batoche	R. Christal	2641
FIREMAN				2767
PUSHER	Curthaus			

2

CHEVRON 5080 W.M.F. Porcupine Y.T. F-18

MUD and CHEMICALS ADDED			From		To		OTHER HOURLY OPERATING DETAIL
1972	Kind	Amount					WORK DONE
TOUR	TUR 1		12.00	12.15			DRILL 8 3/4 HOLE.
17 FT	WATER	1" x 2"	12.15	12.30			CIR. HOLE CLEAN.
FT	GEL	200#	12.30	1.00			SURVEY @ 2546 7/8 RIG SER. CHECK B.O.P.
04 FT	RAPIDRIL	2#	1.00	6.45			DRILL.
FT			6.45	7.00			CIR. HOLE CLEAN.
FT			7.00	7.30			SURVEY & BLOWOUT DRILL
FT			7.30	8.00			DRILL
FT	TUR 2		8.00	10.00			DRILL
11 FT			10.00	12.00			WORK ON #1 pump, R.G SER, WPIPE RAMS
FT							HIDRIL, OK.
FT			12.00	1.00			DRILL
FT			1.00	3.00			WORK ON #2 pump & #3 pump
79 FT			3.00	4.00			DRILL
64 FT	TUR 3		4.00	4.15			DRILL 8 3/4 HOLE
42 FT	Gel	600#	4.15	4.30			Rig Ser. & BOP's
FT			4.30	6.00			DRILL
FEET			6.00	6.15			CIR. HOLE CLEAN
FEET			6.15	6.30			SURVEY
FEET			6.30	9.00			DRILL
HOURS			9.00	10.00			CIR. HOLE CLEAN in Trip
12:00 P.M.			10.00	12.00			TRIP OUT

CEMENTING TESTING FISHING SPECIAL JOB DETAILS INCLUDING ENGINEERING SUMMARIES

2 A.M. - DESILTER - U.F. - 11.1 O.F. - 9.3

7 A.M. - DESILTER - U.F. - 11.5 O.F. - 9.3

8:00 RIG 7. 77"

RES. 5-9

Conduct. Casing Reconnection No. 7 Contact return Temp + 18°F @ 10:30 AM.

Shot Unit down 2:00 AM - 9:00 PM.

B.L. #4 appeared to be surging up. Palled b.l. into 2 1/2 cond down.

8 3/4 Chester Stabilizer	#	82315	=	94	Rotating Pos	To Midnight March 19
"	#	82316		94		
8 3/4 G.M.T. Process	#	10871		94		

Bray J. Schaefer
 SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR **G.P. DRIG. LTD.** RIG NO **24**

FIELD **EAST PORCUPINE** WELL NAME **F 18**

LSD SEC TWP R4P W

DRILLING DEEPENING COMPLETING

REDRILLING ABANDONING REWORKING

FOR 24 HOURS ENDING 12 MIDNIGHT **MARCH 18 1972**

CHEVRON SUPPLY
MIDLAND CHEMICALS
Kind

DRILLING ASSEMBLY		END OF MORNING TOUR		END OF DAYLIGHT TOUR		END OF AFTERNOON TOUR	
STANDS	D.P.	NO 18	170258 FT	NO	189036 FT	NO 21	171413 FT
SINGLE	D.P.	NO 2	6333 FT	NO	3170 FT	NO 1	3200 FT
X-OVER SUB	70 D	1	304 FT	1	304 FT	1	304 FT
OTHER	O.D.		FT		FT		FT
DRILL COLLARS	7 OD	14	43306 FT	14	43306 FT	14	43306 FT
DRILL COLLARS	7 3/4 OD	NO 2	3852 FT	NO 2	3852 FT	NO 2	3852 FT
REAMER	8 1/2 OD	KIND GRANT	603 FT	KIND GRANT	603 FT	KIND GRANT	603 FT
STABILIZER	8 3/4 OD	KIND CHRIST	896 FT	KIND CHRIST	896 FT	KIND CHRIST	896 FT
JARS			FT		FT		FT
BUMPER SUB			FT		FT		FT
BIT OR CORE BARREL			FT		FT		FT
TOTAL D.P. & TOOLS			225552 FT		241167 FT		200574 FT
KELLY DOWN (BELOW R.B.)			2548 FT		2233 FT		2726 FT
DEPTH OF TOOLS			228100 FT		243400 FT		254000 FT

R1
RAPIDRIL GEL CMC
SHORT OF WATER.

R2
QUEST. C
WATER

DAY WORK	MORNING TOUR				DAYLIGHT TOUR				AFTERNOON TOUR			
	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS
DEPTH END OF TOUR	2281	FEET	2434	FEET	2570	FEET						
DEPTH START OF TOUR	2180	FEET	2281	FEET	2434	FEET						
FOOTAGE DRILLED	101	FEET	153	FEET	106	FEET						

	MORNING TOUR				DAYLIGHT TOUR				AFTERNOON TOUR			
	2:00 A.M.	4:00 A.M.	6:00 A.M.	8:00 A.M.	AM	12:00 A.M.	2:00 P.M.	4:00 P.M.	6:00 P.M.	8:00 P.M.	10:30 P.M.	12:30 P.M.
PUMP	54 1400	54 1400	54 1400	54 1400	54 S.P.M.	54 S.P.M.	54 S.P.M.	54 S.P.M.	54 S.P.M.	54 S.P.M.	54 S.P.M.	54 S.P.M.
ROTARY SPEED	40	35-40	35-40	35-40	40-50	40-50	45-50	45-50	45-50	45-50	45-50	45-50
WEIGHT ON BIT	25-30	25-30	25-30	25-30	25-30	25-30	25-30	25-30	25-30	25-30	25-30	25-30
MUD WEIGHT	9.2	9.2	9.3	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4
VISCOSITY	35	55	50	53	53	53	53	37	37	37	38	38
W.L./F.C.	12 2/32	10 2/32	10 2/32	12 2/32	12 2/32	12 2/32	12 2/32	12 2/32	12 2/32	12 2/32	12 2/32	12 2/32
p.H.	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
MUD LEVEL IN TANKS	3.0	3.0	3.0	3.0	2.5	2.5	3.0	3.0	3.4	3.4	3.0	3.0

9:00 A.M.
DESILTER-
RES. - 7
RIG. T. - 5
9:00 A.M. Cen
10:00 A.M. Day
Short leg
water Truck
pick up suc

NO.	SIZE	SERIAL	BIT KIND AND TYPE	BIT SIZES IN 1/32	TOTAL HOURS	FROM	TO	FEET	BIT CONDITION
4	8 3/4	912775	SEC. 5 86	2-10 1-11	64 3/4	2180	2281	1405	RUN
					71 1/2	2281			
					10 1/2				

SIGNATURES	MORNING TOUR		DAYLIGHT TOUR		AFTERNOON TOUR		DEVIATION RECORD		
	DRILLER	DERRICKMAN	HELPER	HELPER	HELPER	FIREMAN	Kind	Depth	Read
	R. HICKS	E. FRASER	T. GRANAM	L. DAVIDSON	J. MARSHALL		TOTCO	2200	7/8
	R. BEAUDRY	R. LIGHTFOOT	M. YABLONSKI	D. WOODRIDGE	R. BATEMAN			2327	7/8
	G. PILL	E. L. BATEMAN	D. BATEMAN	J. THOMAS	R. SHAW			2452	7/8

TOUR REPORT

CONTRACTOR **G.P. DRILG. LTD.** RIG NO **24**

FIELD **EAST PORCUPINE** NAME **F-18**

LSD SEC TWP R40 W

CHEVRON
ID UNIT CHEMICALS
Kind

DRILLING DEEPENING COMPLETING
 REDRILLING ABANDONING REWORKING

FOR 24 HOURS ENDING 12 MIDNIGHT **MARCH 17 1972**

DRILLING ASSEMBLY		END OF MORNING TOUR			END OF DAYLIGHT TOUR			END OF AFTERNOON TOUR		
STANDS	D.P.	NO 15	141872	FT	NO 16	161143	FT	NO 17	160900	FT
SINGLE	D.P.	NO		FT	NO 1	3170	FT	NO 2	6200	FT
X OVER SUB	70 D	1	304	FT	1	304	FT	1	304	FT
OTHER	70 D			FT			FT			FT
DRILL COLLARS	70 D	14	43306	FT	14	43306	FT	11	42306	FT
DRILL COLLARS	7 1/2 D	NO 2	3852	FT	NO 2	3852	FT	NO 2	3852	FT
REAMER	8 1/2 D	KIND GRANT	603	FT	KIND GRANT	603	FT	KIND GRANT	603	FT
STABILIZER	9 1/2 D	KIND CHRIST	896	FT	KIND CHRIST	896	FT	KIND CHRIST	896	FT
JARS				FT			FT			FT
BUMPER SUB				FT			FT			FT
BIT OR CORE BARREL				FT			FT			FT
TOTAL D.P. & TOOLS			190833	FT		203274	FT		216061	FT
KELLY DOWN (BELOW R.B.)			1667	FT		4126	FT		1238	FT
DEPTH OF TOOLS			192500	FT		207460	FT		218000	FT
TOUR		MORNING TOUR		DAYLIGHT TOUR		AFTERNOON TOUR				
DEPTH END OF TOUR		1825	FEET	2074	FEET	2080	FEET			
DEPTH START OF TOUR		1791	FEET	1825	FEET	2074	FEET			
FOOTAGE DRILLED		134	FEET	149	FEET	106	FEET			

WATER
GEL
WATER

	HOURS											
	2:00 AM	4:00 AM	6:30 AM	8:00 AM	10:00 AM	12:00 AM	2:00 PM	4:30 PM	6:00 PM	8:00 PM	10:30 PM	12:00 PM
PUMP	S.P.M. 54 P.S.I. 1300	54 1300	54 1300	54 1300	55 1400	55 1500	53 1400					
ROTARY SPEED	R.P.M. 45	40-35	40-35	40-30	40-30	40-30	40-30					
WEIGHT ON BIT	M.lbs 20-25	25-30	25-30	25-30	25-30	25-30						
MUD WEIGHT	lb gal 9.3	9.4	9.4	9.5	9.5	9.4	9.2	9.2	9.2	9.2	9.2	9.2
VISCOSITY	sec cf 38	37	37	37	37	37	35	34	36	38	38	35
W.L.F.C	cc 32nd				12	12	13	13	13	13	13	13
p.H					10		9.5	9.5				
MUD LEVEL IN TANKS	ft ins											

4 A.M.
DESALTER

NO.	SIZE	SERIAL	BIT KIND AND TYPE	BIT SIZES IN 1/32	TOTAL HOURS	FROM	TO	REMARKS	BIT CONDITION
4	8 1/4	913775	SEC. S-86	2-10 1-11	49 1/2 53	1791	1825-1119		RUN.
						1825	2074-1268		
						2074	2180-1204		

CORE No	No	DST No	FROM	TO	MUD ENGINEER'S REPORT							
TYPE		PREFLOW	mins	I.H.P.	ps	F.P.	ps	Flow	ps	Flow	ps	Flow
FROM		IS	mins	F.H.P.	ps	F.P.	ps	Mud Wt	ps	Mud Wt	ps	Mud Wt
TO		VO	mins	I.S.P.	ps	G.S.	mins	Vis	mins	Vis	mins	Vis
Recovery		FSI	mins	F.S.P.	ps	F.T.S.	mins	A.V.	mins	A.V.	mins	A.V.
HOURS		RECOVERY						P.V.		P.V.		P.V.

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR	DEVIATION REPORT
DRILLER	R. HICKS	R. BEAUDRI	G. P. Pittman	Kind
DERRICKMAN	G. FRASER	R. LIGHTFOOT	E. Robinson	Depth
HELPER	T. GRAHAM	M. YABLONSKI	D. ...	Reg
HELPER	L. DAVIDSON	D. WOODBRIDGE	I. ...	
HELPER	J. MARSHALL	R. BATOCHIE	R. Christal	
FIREMAN				
FISHER	Bob Charles			

CHEVRON SOBC WM E. PORCUPINE Y. T. F 18

OTHER HOURLY OPERATING DETAIL WORK DONE

1972		ID and CHEMICALS ADDED		From	To	OTHER HOURLY OPERATING DETAIL WORK DONE
TOUR	Kind	Amount				
12:00 FT	WATER	1/2" at	12.00	12.30		SURVEY @ 1270 1/4 RIG SER. CHECK B.O.P.
1:00 FT			12.30	7.00		DRILL 8 3/4 HOLE.
2:00 FT			7.00	7.30		SURVEY @ 1910 1/2
3:00 FT			7.30	8.00		DRILL
3:06 FT						
3:52 FT						
4:03 FT						
4:16 FT						
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TOUR REPORT

CONTRACTOR *G.P. Drilling LTD.* RIG NO. *24*

FIELD *EAST Pocumuck* WELL NAME *F-18*

LSD SEC TWP Rpt W

DRILLING DEEPENING COMPLETING

REDRILLING ABANDONING REWORKING

FOR 24 HOURS ENDING 12 MIDNIGHT *MARCH 16 1972*

CHEURON SA
M.D. and CHEMICALS
Kind

DRILLING ASSEMBLY		END OF MORNING TOUR			END OF DAYLIGHT TOUR			END OF AFTERNOON TOUR					
STANDS	DP	NO 10	1100	946	FT	NO 11	1041	016	FT	NO 13	1122	994	FT
SINGLE	DP	NO 2			FT	NO 2	62	12	FT	NO 2	63	010	FT
X OVER SUB	7 OD	1		304	FT	1		304	FT	1		304	FT
OTHER	8 OD				FT				FT				FT
DRILL COLLARS	7 OD	14	433	06	FT	14	433	06	FT	14	433	06	FT
DRILL COLLARS	7 1/4 OD	NO	985	2	FT	NO 2	38	52	FT	NO 2	38	52	FT
BEAMER	8 1/4 OD	KIND	603		FT	KIND	603		FT	KIND	603		FT
STABILIZER	7 OD	KIND	896		FT	KIND	896		FT	KIND	896		FT
JARS					FT				FT				FT
BUMPER SUB				1	FT				FT				FT
BIT OR CORE BARREL					FT				FT				FT
TOTAL DP & TOOLS			1499	07	FT		1592	79	FT		1782	55	FT
KELLY DOWN (BELOW R.B.)			309	5	FT		392	1	FT		845		FT
DEPTH OF TOOLS			1530	02	FT		1632	00	FT		1791	00	FT
TOUR		MORNING TOUR			DAYLIGHT TOUR			AFTERNOON TOUR					
DEPTH END OF TOUR			1530		FEET		1632		FEET		1791		FEET
DEPTH START OF TOUR			1333		FEET		1530		FEET		1632		FEET
FOOTAGL DRILLED			197		FEET		102		FEET		159		FEET

JR 1
Gel RAPIORIL

JR 2
GEL RAPIORIL WATER

JR 3
GEL RAPIORIL WATER

DAY WORK	HOURS						HOURS					
	2:00 A.M.	4:00 A.M.	6:00 A.M.	8:00 A.M.	10:00 A.M.	12:00 A.M.	2:00 P.M.	4:00 P.M.	6:00 P.M.	8:00 P.M.	10:00 P.M.	12:00 P.M.
PUMP	5 1/2 1300	5 1/2 1300	5 1/2 1300	5 1/2 1300	5 1/2 1300	5 1/2 1300	5 1/2 1300	5 1/2 1300	5 1/2 1300	5 1/2 1300	5 1/2 1300	5 1/2 1300
ROTARY SPEED	RPM 40-45	40-45	40-45	40-45	40-45	40-45	40-45	40-45	40-45	40-45	40-45	40-45
WEIGHT ON BIT	M lbs 15-20	15-20	15-20	15-20	15-20	15-20	15-20	15-20	15-20	15-20	15-20	15-20
MUD WEIGHT	lb/gal 9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
VISCOSITY	sec/qt 34	34	34	34	36	58	40	40	39	37	42	40
W.L./F.C.	c.c. 32nd					14 1/2						
p.H.		11.5	11.5	11.5	11.5							
MUD LEVEL IN TANKS	Ft. Ins											

DESILTER

NO.	SIZE	SERIAL	BIT KIND AND TYPE	JET SIZES IN 1/32	TOTAL HOURS	FROM	TO	REMARKS	BIT CONDITION
4	8 3/4	912775	Sec. S 86	2-10-11-25	25	876	1530	724	Drillings
						37 1/2	1530	1632	826
						38 3/4	1632	1791	985

CORE No.	No.	DST No.	FROM	TO	MUD ENGINEER'S REPORT				
TYPE		PREFLOW	mins	IHP	ps	I.F.P.	ps	Time 8:00 AM	0.4
FROM		I.S.I.	mins	F.H.P.	ps	F.F.P.	ps	Sub 9.8	2
TO		V.O.	mins	I.S.I.P.	ps	G.T.S.	mins	Vis 36	14 1/2
Recovery		F.S.I.	mins	F.S.I.P.	ps	F.T.S.	mins	AV 9	9.8
HOURS		RECOVERY						P.V. 6	6%

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR	DEVIATION RECORD		
DRILLER	<i>L. TYSON</i>	<i>R. HICKS</i>	<i>R. BEAUDRY</i>	Kind	Depth	Real
DERRICKMAN	<i>D. FORSNER</i>	<i>G. FRAZER</i>	<i>R. LIGATFOOT</i>		1382	1/2°
HELPER	<i>O. ZIMMACK</i>	<i>T. GRAHAM</i>	<i>M. JABLONSKI</i>		1477	3/4°
HELPER	<i>R. LINKHATER</i>	<i>L. DAVIDSON</i>	<i>D. WOODRIDGE</i>		1520	3/4°
HELPER	<i>J. JACKSON</i>	<i>J. MARSHALL</i>	<i>R. BATUCHE</i>		1560	3/4°
FIREMAN					1665	1/4°
TOOL PUSHER	<i>Carl Hamilton</i>				1790	

CHEVRON SOBC WM E. Porcupine YT F-18

OTHER HOURLY OPERATING DETAIL
WORK DONE

1977		MUD and CHEMICALS ADDED		From	To	WORK DONE
TOUR	FEET	Kind	Amount			
JR 1						
94	FT	Gel	11 SAK	12.00	1.30	DRILL 8 3/4 HOLE
00	FT	RAPIDRIL	4 #	1.30	1.45	SURVEY + R. & SER.
04	FT			1.45	6.30	DRILL 8 3/4 HOLE
	FT			6.30	7.00	SURVEY
	FT			7.00	8.00	DRILL 8 3/4 HOLE
06	FT					
52	FT					
JR 2						
03	FT			8.00	8.30	DRILL 8 3/4 HOLE
96	FT	GEL	1200 #	8.30	9.00	SURVEY @ 1520 - 3/4 RIG SER. CHECK HYDRIL
	FT	RAPIDRIL	10 #	9.00	11.15	DRILL.
	FT	WATER	1"	11.15	11.45	CIRC. WORK PIPE TO CLEAN HOLE "CAVINGS"
	FT			11.45	12.00	SURVEY @ 1560 - 3/4
55	FT			12.00	4.00	DRILL
45	FT					
00	FT					
JR 3						
	FEET	GEL		4.00	5.15	DRILL.
	FEET	RAPIDRIL		5.15	5.30	CIRC HOLE CLEAN SURVEY
	FEET	WATER		5.30	6.00	RIG SERVICE
	FEET			6.00	11.45	DRILL
	FEET			11.45	12.00	CIRC

CEMENTING TESTING FISHING SPECIAL JOB DETAILS, INCLUDING ENGINEERING SUMMARIES

DESILTER U.F. - 11.4 O.F. - 9.3

FUEL 11.50 P.M.
RIG TANK -
SPARE -

REPORT
0.4
3
6
14 1/2
9.8
6.1
350
1/2 0
3/4 0
3
3 1/4
1/4 0

SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR **GP** BIG NO **24**

FIELD **L. Perrugia** WELL NAME **Chavon** LSD SEC TWP Rpt W
 DRILLING DEEPENING COMPLETING
 REDRILLING ABANDONING REWORKING FOR 24 HOURS ENDING 12 MIDNIGHT **March 15 1972**

Chavon 50BC
 Kind

DRILLING ASSEMBLY		END OF MORNING TOUR			END OF DAYLIGHT TOUR			END OF AFTERNOON TOUR		
STANDS	D.P.	NO 5	473	52 FT	NO 6	568	33 FT	NO 8	757	25 FT
SINGLE	D.P.	NO		FT	NO 1	317	1 FT	NO 2	63	20 FT
X OVER SUB	7 O.D.	1	304	FT	1	304	FT		304	FT
OTHER	O.D.	8		FT			FT			FT
DRILL COLLARS	7 O.D.	14	433	0.6 FT	14	433	0.6 FT	14	433	0.6 FT
DRILL COLLARS	7 3/4 O.D.	NO 2	385	2 FT	NO 2	385	2 FT	NO 2	385	2 FT
REAMER	8 3/4 O.D.	KIND 1	603	FT	KIND 1	603	FT	KIND	603	FT
STABILIZER	7 O.D.	CHARISTER	896	FT	KIND 2	896	FT	KIND 2	896	FT
JARS		KIND		FT	KIND		FT	KIND		FT
BUMPER SUB		KIND		FT	KIND		FT	KIND		FT
BIT OR CORE BARREL				FT			FT			FT
TOTAL D.P. & TOOLS			963	13 FT			FT		1300	66 FT
KELLY DOWN (BELOW R.B.)			406	4 FT		353	5 FT		323	4 FT
DEPTH OF TOOLS			1003	77 FT		1125	00 FT		1333	00 FT

JR 1
 CEL #
 B.C. 20
 304
 JR 2
 WATER 1" 5"

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	1003 FEET	1125 FEET	1333 FEET
DEPTH START OF TOUR	876 FEET	1003 FEET	1125 FEET
FOOTAGE DRILLED	127 FEET	122 FEET	208 FEET

JR 3
 Dumped 500
 TANK
 WATER
 S&L

DAY WORK	HOURS				HOURS				HOURS			
	2:00 AM	4:00 AM	6:30 AM	9:00 AM	12:00 AM	2:00 PM	4:00 PM	6:00 PM	8:00 PM	10:00 PM	12:00 PM	
PUMP	60 1200	62 1400	750	750	53 1250	53 1250	55 1300	55 1300	55 1300	55 1300		
ROTARY SPEED	45	45	45	45			45-50	40-50	40-50	40-50		
WEIGHT ON BIT	5-10	10-15	10	10			20	21	20	20		
MUD WEIGHT	8.7	8.7	8.7	8.7	9.1	9.1	9.2	8.8	9.4	8.9		
VISCOSITY	32	32	32	32	38	37	35	32	32	32		
W.L.F.C.	10.0											
p.H.	10.0											
MUD LEVEL IN TANKS	Ft Ins											

Conductor con
 START D
 U.P. low

NO.	SIZE	SERIAL	BIT KIND AND TYPE	JET SIZES IN 1/32	TOTAL HOURS	FROM	TO	FEET	BIT CONDITION
4	8 3/4	912775	SEC. S. 86	2-10 1-11	5 3/4	876	1003	127	Drilling
4	8 3/4	912775	SEC. C. 86	2-11 1-11	11 1/4	1003	1125	249	
4	8 3/4	912775	SEC. S. 86	2-10					

CORE	No.	No.	DST No.	FROM	TO	MUD ENGINEER'S REPORT
TYPE			PREFLOW	mins	FHP	ps
FROM			F.S.I.	mins	FHP	ps
TO			V.O.	mins	F.S.I.P	ps
Recovery			F.S.I.	mins	F.S.I.P	ps
HOURS			RECOVERY			ps

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR	RELATION	REMARKS
DRILLER	L. TYSON	R. HICKS	R. BEARDI		
DEP. DRILLER	P. FOESIER	G. FRASER	R. LIGHTFOOT	TOTCO	940 1/2°
HELPER	D. ZEMLAK	T. GRAHAM	D. JABLONSKI		1030 1/2°
HELPER	R. LINKHATER	L. DAVIDSON	D. WOODRIDGE		1161 1/2°
HELPER	J. JACKSON	J. MARSHALL	R. BATOCHÉ		1298 1/4°
FIREMAN					
TOOL PUSHER	CR [Signature]				

W.H. to Pass

Chesson SOBE MM E. Puccipine VT F-18

1972
 N TOUR
 7 85 FT
 8 20 FT
 8 04 FT
 8 06 FT
 8 52 FT
 9 03 FT
 8 96 FT
 9 06 FT
 9 34 FT
 9 00 FT
 OUR
 3 FEET
 5 FEET
 8 FEET
 HOURS
 P.M. 12:00 P.M.
 3:00 5:50
 5:46:50
 8 20
 9 8.9
 2 32
 REPORT
 Gen
 Am
 P.M.
 12:00
 1:00
 2:00
 3:00
 4:00
 5:00
 6:00
 7:00
 8:00
 9:00
 10:00
 11:00
 12:00
 1:00
 2:00
 3:00
 4:00
 5:00
 6:00
 7:00
 8:00
 9:00
 10:00
 11:00
 12:00

MUD and CHEMICALS ADDED		From	To
Kind	Amount		
UR 1		12:00	12:45
CFL #	10 Bags	12:45	1:00
Medium BICARB	1 Bag	1:00	1:30
MARIDILL	4 lbs	1:30	1:45
		1:45	5:00
		5:00	5:30
		5:30	8:00
UR 2		8:00	9:15
WATER 1" STRENGTH		9:15	9:45
		9:45	10:45
		10:45	11:45
		11:45	4:00
UR 3		4:00	4:15
Dumped SHAKER		4:15	4:30
TANK		4:30	5:30
		5:30	6:00
WATER		6:00	10:00
GEN		10:00	10:15
		10:15	12:00

Pickup B.H.A STIFF
 Rig SER. SHIND RAM
 Run in w/ BIT # 4 S-86
 Pickup Kelly + Blow BRAKE CIRCL
 DRILL 8 3/4
 SURVEY
 DRILL 8 3/4 Hole
 DRILL 8 3/4 HOLE.
 SURVEY @ 1030' - 2. RIG SER. CHECK
 PIPE RADIUS
 DRILL
 REPAIR #1 PUMP.
 DRILL.
 DRILL.
 RIG SER. # BOP's
 DRILL.
 SURVEY
 DRILL
 SURVEY
 DRILL.

CEMENTING TESTING FISHING SPECIAL JOB DETAILS, INCLUDING ENGINEERING SUMMARIES

Conductor casing refrigeration Unit Coolant Temp +9°F on return.

START DESILTER 8 P.M. FUEL 11:50 P.M.
 U.FLOW 11.4 O.FLOW 8.9 RIG TANK - 80"
 SUMP " - 96"

White Pass & Birchwood gets Diesel

TOUR REPORT

CONTRACTOR **GP** RIG NO **24**

FIELD **East Porcupine** WELL NAME **F 18**

DRILLING DEEPENING COMPLETING
 REDRILLING ABANDONING REWORKING FOR 24 HOURS ENDING 12 MIDNIGHT **MARCH 14 1972**

DRILLING ASSEMBLY	END OF MORNING TOUR			END OF DAYLIGHT TOUR			END OF AFTERNOON TOUR		
STANDS D.P.	NO. 3	284	25 FT	NO. 3	284	25 FT	NO. 4	378	93 FT
SINGLE D.P.	NO.		FT	NO. 1	3160	FT	NO.		FT
X-OVER SUB 7 O.D.	1	304	FT	1	304	FT	1	304	FT
OTHER O.D.			FT			FT			FT
DRILL COLLARS 2 O.D.	15	46424	FT	15	46424	FT	14	43312	FT
DRILL COLLARS 1 O.D.	NO		FT	NO		FT	NO 1 8H	31125	FT
REAMER O.D.	KIND		FT	KIND		FT	KIND		FT
STABILIZER O.D.	KIND		FT	KIND		FT	KIND		FT
JARS	KIND		FT	KIND		FT	KIND		FT
BUMPER SUB	KIND		FT	KIND		FT	KIND		FT
BIT OR CORE BARREL			FT			FT			FT
TOTAL D.P. & TOOLS		75153	FT			FT		84571	FT
KELLY DOWN (BELOW R.B.)			FT		3287	FT		3029	FT
DEPTH OF TOOLS			FT		81600	FT		87600	FT

TOUR	MORNING TOUR			DAYLIGHT TOUR			AFTERNOON TOUR		
DEPTH END OF TOUR			FEET		816	FEET		876	FEET
DEPTH START OF TOUR			FEET		806	FEET		816	FEET
FOOTAGE DRILLED			FEET		10	FEET		60	FEET

DAY WORK	HOURS				HOURS				HOURS			
	2:00 A.M.	4:00 A.M.	6:00 A.M.	8:00 A.M.	12:00 A.M.	2:00 P.M.	4:00 P.M.	6:00 P.M.	8:00 P.M.	10:00 P.M.	12:00 P.M.	
PUMP S.p.m. p.s.i.												
ROTARY SPEED R.P.M.						50	50-80					
WEIGHT ON BIT M lbs.						10	10-20					
MUD WEIGHT lb.gal												
VISCOSITY sec ct												
W.L.F.C. c.c. 32nd												
p.H.												
MUD LEVEL IN TANKS Ft. Ins.												

NO.	SIZE	SERIAL	BIT KIND AND TYPE	JET SIZES IN 3/32	TOTAL HOURS	FROM	TO	DEPTH	BIT CONDITION
3	8 3/4	681723	Rock ST 1865	2-10	4	806	876	70	2-2-1 1st Washed
4	8 3/4	912775	Sec. 586	1-10		876			

CORE No.	No.	DST No.	FROM	TO	MUD ENG. NEEDS REPORT			
TYPE		PREFLOW	mins. F.H.P.	ps. F.F.P.	ps. Time	ps. Rate	ps. Mud Wt.	ps. Mud Visc.
FROM		I.S.I.	mins. F.H.P.	ps. F.F.P.	ps. Time	ps. Rate	ps. Mud Wt.	ps. Mud Visc.
TO		V.O.	mins. I.S.I.P.	ps. G.T.S.	mins. Mud Wt.	mins. Mud Visc.		
Recovery		F.S.I.	mins. F.S.I.P.	ps. F.T.S.	mins. Mud Wt.	mins. Mud Visc.		
HOURS		RECOVERY						

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR	DEPTH	REMARKS
DRILLER	L. TYSON	R. HICKS	R. BEAUREGARD		
DERRICKSMAN	P. FOESIER	G. FRASER	R. LIGHTFOOT	876	1/2
HELPER	O. ZEMANIK	T. GRAHAM	M. JABLONSKI		
HELPER	R. LINKARTER	L. DAVIDSON	D. WILSON		
HELPER	J. JACKSON	J. MARSHALL	R. BATOCHKE		
FIREMAN					
TOOL PUSHER					

MUD CHEMICALS Kind

UR 1

UR 2

UR 3

ELCARB

FUEL 8 AM.

R.P. 48

Black 64

Replaced Pressure

Pressure

T. 1500p

Rigged

52 8

8 3/4 x

7 8 3/4

7 3/4

8 3/4

1972		MUD and CHEMICALS ADDED		From	To	OTHER HOURLY OPERATING CLEAR WORK DONE
TOUR	Kind	Amount				
UR 1			12.00	7.00	8.00	Press Test Tensioning Bore Valves & Check change valves & Kelly Hose
93 FT				7.00	8.00	Press Test Bore + Flanges of BOP
804 FT						
12 FT						
UR 2		8.00				THAW ICE FROM B.O.P. VALVES - TIGHTEN 2" FLANGE - CLOSE HYDRIL PRESS. - TEST OUT TO MANIFOLD @ 1500 - O.K.
			10.30			REPAIR 2" VALVE ON STAND-PIPE - TURN KELLY-HOSE - PRESS. TEST STAND-PIPE.
			11.15			KELLY-HOSE - KELLY-COCK W- 1500 - O.K.
571 FT		11.45	2.45			DRILL OUT PLUG & FLOAT @ 765'
291 FT		11.45	3.00			DRILL 31' CEMENT + SHOE @ 800'
600 FT		3.00	4.00	4.20		DRILL
OUR			4.30	4.45		RIG SERVICE
6 FEET	BI-CARB	100	4.15	7.00		DRILL
6 FEET			7.00	7.15		BLOW KELLY + SURVEY
0 FEET			7.15	8.15		HIST OUT
HOURS			8.15	11.00		INSTALL MUD FLOAT SENSING & CLEAN SINK TANK
1:30 P.M.			11.00	12.00		LAY DOWN BOTTOM HOLE COLLAR.
						PICK UP STIFF ASST.

CEMENTING TESTING MCHNG SPECIAL OR DETAILS INCLUDING ENGINEERING SUMMARIES

Work 8 AM.
R# 48
Black 64"

15"
64"

Replaced Kelly hose with new Kelly hose
Pressure tested Kelly hose & Kelly cock to 1200 psi OK.
Pressure tested casing head valves, wing valves & Manifold to 1500 psi for 10 minutes OK.

Rigged up Swab on Flow sensor.

52 88 bottom Hole Assembly:

Item	Length	Weight	Condition
8 3/4" Great near bit runner	16.25	0.0	OK
7 7/8" x 8 3/4" Ch. st. stablizer	10.42	5' 11 1/2"	
8 3/4" Ch. st. stablizer	4.34	5' 11 1/2"	
7 3/4" D.C. (5490)	28.10	5' 11 1/2"	
8 3/4" Ch. st. stablizer	9.62	5' 11 1/2"	

Ray J. Parker COE
SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR **GR**

RIG NO **24**

FIELD **EAST BRACUPORE** WELL NAME **F-18**

LSD SEC TWP R4R W

DRILLING DEEPENING COMPLETING

FOR 24 HOURS ENDING 12 MIDNIGHT **MARCH 13**

1972

DRILLING ASSEMBLY	END OF MORNING TOUR	END OF DAYLIGHT TOUR	END OF AFTERNOON TOUR
STANDS	NO 3 28425 FT	NO	NO 3 28425 FT
SINGLE	NO	NO	NO
X OVER SUB	1 304 FT		1 304 FT
OTHER			
DRILL COLLARS	14 43312 FT		15 46924 FT
DRILL COLLARS	NO	NO	NO
REAMER	KIND	KIND	KIND
STABILIZER	KIND	KIND	KIND
JARS	KIND	KIND	KIND
BUMPER SUB			
BIT OR CORE BARREL			
TOTAL DP & TOOLS			75153
KELLY DOWN BELOW RB	2959 FT		
DEPTH OF TOOLS	75000 FT		

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR		806	
DEPTH START OF TOUR			
FOOTAGE DRILLED			

DAY WORK	HOURS	HOURS	HOURS
PUMP	2:30 AM - 4:00 AM	4:00 AM - 6:00 AM	6:00 AM - 8:00 AM
ROTARY SPEED			
WEIGHT ON BIT			
MUD WEIGHT			
VISCOSITY			
W L F C			
P H			
MCD LEVEL IN TANKS			

NO.	SIZE	SERIAL	BIT KIND AND TYPE	FEET SIZES	FEET SIZES	FEET SIZES

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	L TYSON	R HICKS	R BRADY
DERRICKMAN	P FOSSIER	G FRASER	R LIGHTFOOT
HELPER	O ZEMBAK	T. GRAHAM	M. JABLONSKI
HELPER	R LINKHATER	L. DAVIDSON	D. WILSON
HELPER	J JACKSON	J. MARSHALL	R BATOCH
FIREMAN			
PUSHER			

FUEL 8 AM
Rig Tank - 9
Black Tank - 0
C - related to
9:00 AM. Conductor

K.B. Z
BOP Check
Motor Air
Accumulator
Hydrill Cor
Shaffer C
Blind - 4
4 1/2" P
Hydrill

2' 3000" Flag, down
10' 900
Hydrill
4 1/2" P
Blind
2' 3000" Flag, down
Conductor Check
K. B. Z
9 5/8 x 10' 900 Cgs Bowl
9 5/8 30' Cgs

TOUR REPORT

CONTRACTOR *G.P. Drilling LTD.* RIG NO *24*

FIELD *EAST PORCUPINE* WELL NAME *F-18*

DRILLING DEEPENING COMPLETING
 REDRILLING ABANDONING REWORKING

FOR 24 HOURS ENDING AT MIDNIGHT *MARCH 12*

1972

CHEVRON SA
 CHEMICALS
 Kind

DRILLING ASSEMBLY		END OF MORNING TOUR			END OF DAYLIGHT TOUR			END OF AFTERNOON TOUR		
STANDS	D.P.	NO <i>3</i>	<i>28425</i>	FT	NO <i>3</i>	<i>28425</i>	FT	NO <i>3</i>	<i>28425</i>	FT
SINGLE	D.P.	NO		FT	NO		FT	NO		FT
X OVER SUB	<i>7</i> O.D.	<i>1</i>	<i>304</i>	FT	<i>1</i>	<i>304</i>	FT	<i>1</i>	<i>304</i>	FT
OTHER DRILL COLLARS	O.D.	<i>7</i>	<i>14</i>		<i>14</i>		<i>14</i>		<i>14</i>	
DRILL COLLARS	O.D.	NO		FT	NO		FT	NO		FT
REAMER	O.D.	KIND		FT	KIND		FT	KIND		FT
STABILIZER	O.D.	KIND		FT	KIND		FT	KIND		FT
JARS		KIND		FT	KIND		FT	KIND		FT
BUMPER SUB		KIND		FT	KIND		FT	KIND		FT
BIT OR CORE BARREL				FT			FT			FT
TOTAL D.P. & TOOLS				FT			FT			FT
KELLY DOWN BELOW R.B.			<i>2959</i>	FT	<i>2959</i>	FT	<i>2959</i>	FT	<i>2959</i>	FT
DEPTH OF TOOLS			<i>25000</i>	FT	<i>25000</i>	FT	<i>25000</i>	FT	<i>25000</i>	FT

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR		<i>806</i>	
DEPTH START OF TOUR			
FOOTAGE DRILLED			

DAY WORK	HOURS	HOURS
	2:30 AM - 4:00 AM	4:00 AM - 5:30 AM

	2:30 AM	4:00 AM	5:30 AM	7:00 AM	8:30 AM	10:00 AM	11:30 AM
PUMP							
ROTARY SPEED							
WEIGHT ON BIT							
MUD WEIGHT							
VISCOSITY							
W.L.F.C.							
p.H.							
MUD LEVEL IN TANKS							

NO.	SIZE	SERIAL	BIT KIND AND TYPE	EL. SIZES IN FEET	FROM	TO

CORE No.	No.	DST No.	FROM	TO	RECOVERY	RECOVERY

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	<i>J. Tyson</i>	<i>R. HICKS</i>	<i>R. BEAUDRY</i>
DERRICKMAN	<i>P. FOESIER</i>	<i>G. FRASER</i>	<i>R. LIGHTFOOT</i>
HELPER	<i>O. ZEMLAK</i>	<i>T. GRAHAM</i>	<i>M. JABLONSKI</i>
HELPER	<i>R. LINKHATER</i>	<i>L. DAVIDSON</i>	<i>D. WOOLRIDGE</i>
HELPER	<i>J. JACKSON</i>	<i>J. MARSHALL</i>	<i>R. BATOCHÉ</i>
FIREMAN			
TRAIL PUSHER			

FUEL - 8 A.M.
Rig TANK.
Black TANK
Change
Started
run pump
Return
Big Inspect
Circul.

Checked on
5 - Scott Air
1 - Wilson C
7 - Spere

CHEJAH SABC WM E. Porcupine YT F-18

MUD and CHEMICALS ADDED		From	To	OTHER HOURLY OPERATING DETAIL WORK DONE
1972	Kind	Amount		
TOUR	JR 1	12:00	12:15	Rig Ser
		12:15	8:00	CIRC WARM WATER 68°F
				CLEAN UP RIG SITE
				HOOKE UP BOB'S LINES
				CHECK FIRE EXTINGUISHERS - OK
	JR 2	8:00	8:15	RIG SER.
		8:15		CIRC WARM WATER @ 750 50-60°
				CHECK & REPAIR BROWN SAVER
			11:00	CHECKED MOTOR SHUT OFF O.M.
	JR 3	4:00	12:00	CIRC WARM WATER 60°F
				HOOKE UP BALL LINE, LOAD OUT TRUCK

Fuel - 8 AM.

Rig Tank 20

Black Tank 30

Change air in gas transfer mistle

1159.87931 GALS

80

Started re-circulation water @ midnight. Motor too small to run pump & fan. Left unit circulating w/ 160° fan.

Return Temp 25°F. Get fan to run by turning battery.

Rig inspection had to wait.

3:30 AM return Temp 18°F.

Circulating water cooler 165°F down casing.

- Checked rigs emergency breathing equipment
 - 5 - Scott Air Packs
 - 1 - Wilson Canister Mask
 - 7 - Spare Air bottles for Scott Air Packs
- OK. 4:00 AM March 12
[Signature]

SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR **GP** RIG NO **24**

FIELD **E. Porcupine** WELL NAME

LSD SEC TWP Rpt W

CHEVRON 5000
MUD and CHEMICALS

DRILLING DEEPENING COMPLETING
 REDRILLING ABANDONING REWORKING

FOR 24 HOURS ENDING 12 MIDNIGHT **MARCH 11** 1972

DRILLING ASSEMBLY		END OF MORNING TOUR				END OF DAYLIGHT TOUR				END OF AFTERNOON TOUR					
STANDS	DP	NO				NO	3	274	25	FT	NO	3	279	25	FT
SINGLE	DP	NO				NO				FT	NO				FT
X-OVER SUB	7 O.D.						1	304		FT		1	304		FT
OTHER	O.D.									FT					FT
DRILL COLLARS	7 O.D.						14	433	12	FT	14	433	12	FT	
DRILL COLLARS	O.D.	NO				NO				FT	NO				FT
REAMER	O.D.	KIND				KIND				FT	KIND				FT
STABILIZER	O.D.	KIND				KIND				FT	KIND				FT
JARS		KIND				KIND				FT	KIND				FT
BUMPER SUB		KIND				KIND				FT	KIND				FT
BIT OR CORE BARREL										FT					FT
TOTAL D.P. & TOOLS										FT					FT
KELLY DOWN (BELOW R.B.)								2759		FT			2759		FT
DEPTH OF TOOLS								75000		FT			75000		FT

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR		806	806
DEPTH START OF TOUR			
FOOTAGE DRILLED			

DAY WORK	HOURS											
	2:00 AM	4:00 AM	6:00 AM	8:00 AM	10:00 AM	12:00 AM	2:00 PM	4:00 PM	6:00 PM	8:00 PM	10:00 PM	12:00 AM
PUMP	/											
ROTARY SPEED	/											
WEIGHT ON BIT	/											
MUD WEIGHT	/											
VISCOSITY	/											
W.L.F.C.	/											
p.H.	/											
MUD LEVEL IN TANKS	/											

NO.	SIZE	SERIAL	BIT KIND AND TYPE	LET DOWN (IN 3")	TOTAL HOURS	FROM	TO	REMARKS

CORE	No	No	DST No	FROM	TO	MOD ENGINEER'S REPORT
TYPE			PREFLOW	mins. FHP	mins. FHP	
FROM			ISI	mins. FHP	mins. FHP	
TO			V.O.	mins. ISTP	mins. GTS	
Recovery			FSI	mins. FSTP	mins. FTS	
HOURS			RECOVERY			

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	<i>R. Hicks</i>	<i>R. Hicks</i>	<i>R. Beaudre</i>
DERICKMAN	<i>G. Fraser</i>	<i>G. Fraser</i>	<i>R. Marshall</i>
HELPER	<i>T. Graham</i>	<i>T. Graham</i>	<i>M. Jarkenski</i>
HELPER	<i>L. Davinson</i>	<i>L. Davinson</i>	<i>D. Woodriddle</i>
HELPER	<i>J. Marshall</i>	<i>J. Marshall</i>	<i>R. Batchie</i>
FIREMAN			
TOOL PUSHER			

FUEL
R. & TANK 7
BLACK TANK

TOUR REPORT

CONTRACTOR *GP Drilling LTD.* RIG NO. *24*

FIELD *EAST Porcupine* WELL NAME *F-18*

LSD SEC TWP R4r W

DRILLING DEEPENING COMPLETING

REDRILLING ABANDONING REWORKING FOR 24 HOURS ENDING 12 MIDNIGHT *MARCH 10*

1972

CHEVRON
MUD and CHEMICAL
Kind

DRILLING ASSEMBLY		END OF MORNING TOUR				END OF DAYLIGHT TOUR				END OF AFTERNOON TOUR			
STANDS	D.P.	NO 3			28425 FT	NO.			FT	NO 3			28426 FT
SINGLE	D.P.	NO 2			6267 FT	NO			FT	NO 2			6267 FT
X OVER SUB	OD	1			279 FT				FT	1			279 FT
OTHER	OD	1			304 FT				FT	1			304 FT
DRILL COLLARS	OD								FT				
DRILL COLLARS	OD	NO 14			43312 FT	NO			FT	NO 14			43312 FT
REAMER	OD	KIND				KIND			FT	KIND			
STABILIZER	OD	KIND				KIND			FT	KIND			
JARS		KIND				KIND			FT	KIND			
BUMPER SUB		KIND				KIND			FT	KIND			
BIT OR CORE BARREL									FT				
TOTAL D.P. & TOOLS					78587 FT				FT				78587
KELLY DOWN BELOW R.B.					2013 FT				FT				2013
DEPTH OF TOOLS					80600 FT				80600 FT				80600

JR 1
GEL 13 Bags
JR 2
JR 3

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR			
DEPTH START OF TOUR			
FOOTAGE DRILLED			

DAY WORK	HOURS				HOURS				HOURS			
	2:30 AM	4:00 AM	6:00 AM	8:00 AM	10:00 AM	12:00 AM	2:00 PM	4:00 PM	6:00 PM	8:00 PM	10:00 PM	12:00 AM
PUMP	/											
ROTARY SPEED	/											
WEIGHT ON BIT	/											
MUD WEIGHT	8.5											
VISCOSITY	45											
W.L.F.C.	/											
pH	/											
MUD LEVEL IN TANKS	/											

Fuel 8 A.M.
Rig Tank 213
BLACK TANK
Casing D
seamless S
with a 9 3/8
Bottom of
collar Thro
Baker 9 3/8
1 1/2 9 3/8 36"
Baker 9 3/8 F
24 1/2 9 3/8 36"
TOTAL STA
KB -> Top Co
Loaded Dep

NO.	SIZE	SERIAL	BIT KIND AND TYPE	JET SIZE IN INCH	TOTAL TOOLS	FROM	TO	MUD ENGINEER'S REPORT

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	<i>Lyle Tyson</i>	<i>R. HICKS</i>	
DERRICKMAN	<i>P. FOESIER</i>	<i>P. FRASER</i>	<i>Bea day</i>
HELPER	<i>O. ZEMBAK</i>	<i>T. GRAHAM</i>	<i>Lightcut</i>
HELPER	<i>R. HINKATER</i>	<i>L. DAVIDSON</i>	<i>blonski</i>
HELPER	<i>J. JACKSON</i>	<i>J. MARSHALL</i>	<i>blonski</i>
FIREMAN		<i>R. B. TOCKE</i>	
TOOL PUSHER	<i>A. B. ...</i>		

Content of ...
with 800
MST M
excess
Cut ab
cut back
apple 1

CHEVRON SOBE WM E. Porcupine 4T F-18

MUD and CHEMICALS ADDED		From	To	OTHER HOURLY OPERATING DETAIL WORK DONE
1972	Kind	Amount		
TOUR	UR 1	12 ⁰⁰	12 ⁴⁵	FINISH CLEAN TO BOTTOM 25-50 FAL RIG SET
25 FT	GEL 13 Bags	100	2 ³⁰	CIRC COND. MUD + HOLE
67 FT		230	3 ³⁰	HOIST OUT TO RUN CASING
79 FT		300	6 ⁰⁰	Rig TO RUN CASING
09 FT		600	8 ⁰⁰	RUN 9 5/8 CASING
12 FT				
UR 2		8.00	10.15	FIN. RUN 9 5/8 CASING.
		10.15	10.45	HOOK UP CIR. HEAD. BREAK CIR.
		10.45	3.00	CIR. CASING. WAIT FOR WATER.
		3.00	4.00	RIG UP & RUN 425 SKS. CEMENT.
87 FT				Let time combine in hole 2 hrs
13 FT				
63 FT	UR 3	4	4 ³⁰	DUNCEMENT & DISPLACE PLUG
JR		4 ³⁰	5 ³⁰	TEAR OUT B.I.
FEET		5 ³⁰		TEAR OUT LOADED JOINT & AIR DRIC. EQUIP
FEET				CLEAN MUD TANKS, START RIGG UP TO
FEET			12 ⁰⁰	CIRC WATER
HOURS				
2:00 P.M.				

FUEL 8 A.M. CEMENTING TESTING FISHING 4:00 P.M. INCLUDING ENGINEERING SUMMARY 11:59 P.M.
 Rig TANK 2138 - 62" 84"
 Black Tank 60" 50"

Casing Details: Ran 25 JTS (795.03') 9 5/8" 36" K-55 9.214W ~~9.214W~~ new seamless Sumitomo casing landed @ 801.98 ft. String was equipped with a 9 5/8" Baker Float Shoe, 9 5/8" Baker Float Collar and 3 Baker centralizers. Bottom of bottom 3 casing collars spot welded and Float Shoe & Float collar Thread laked to form a solid unit. String made up as follows:

Baker 9 5/8" Float Shoe	1.77
13 9 5/8" 36" K-55 Cgs.	32.98
Baker 9 5/8" Float Collar	1.63
24 JTS 9 5/8" 36" K-55 Cgs.	752.05
TOTAL STRING	788.43
KB → Top Cas Collar	13.00
Landed Depth	801.98

Cementing Data: Ran & cemented 25 JTS 795.03' 9 5/8" 36" K-55 casing at 801.98' with 425 sks Ocean Type I Portland cement + 3.0% CaCl₂ using BS skid cement. Preceded cement with 10 bbls fresh water. Mixed cement to a 15.3"/gal slurry in 25 minutes from 3:45 PM - 4:10 PM.

Displaced plug with fresh water using cementing unit in 15 minutes 4:15 - 4:30 PM. Bumped plug with 300 psig bleed back floats held. Cement in place 4:30 PM
 M.S.T. March 10, 1972. Circulated an estimated 100 sacks excess cement.

Cut off conductor casing, clamp surface casing and back off landing joint. Rig up blow nipple to circulate warm water.

[Signature]
 SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR *G. P. Drilling Ltd* RIG NO *24*

FIELD *East Porcupine* WELL NAME *F-18*

LSD SEC TWP Rpt W

DRILLING DEEPENING COMPLETING
 REDRILLING ABANDONING REWORKING

FOR 24 HOURS ENDING 12 MIDNIGHT *MARCH 9 1972*

CHEURON
 CHEMICALS
 Kind

DRILLING ASSEMBLY	END OF MORNING TOUR			END OF DAYLIGHT TOUR			END OF AFTERNOON TOUR		
STANDS D.P.	NO. <i>3</i>	<i>284</i>	<i>25</i> FT	NO. <i>3</i>	<i>284</i>	<i>25</i> FT	NO. <i>3</i>	<i>284</i>	<i>25</i> FT
SINGLE D.P.	NO.		FT	NO.		FT	NO. <i>2</i>	<i>626</i>	<i>7</i> FT
X-OVER SJB <i>7 1/2</i> O.D.	<i>1</i>	<i>465</i>	FT	<i>1</i>	<i>465</i>	FT	<i>1</i>	<i>279</i>	FT
OTHER <i>7 1/2</i> O.D.	<i>1</i>	<i>805</i>	FT	<i>1</i>	<i>304</i>	FT	<i>1</i>	<i>304</i>	FT
DRILL COLLARS <i>10</i> O.D.	<i>2</i>	<i>6045</i>	FT	<i>2</i>	<i>6045</i>	FT	<i>2</i>		FT
DRILL COLLARS <i>7</i> O.D.	NO <i>14</i>	<i>433</i>	<i>12</i> FT	NO <i>14</i>	<i>433</i>	<i>12</i> FT	NO <i>14</i>	<i>433</i>	<i>12</i> FT
REAMER O.D.	KIND		FT	KIND		FT	KIND		FT
STABILIZER O.D.	KIND		FT	KIND		FT	KIND		FT
JARS	KIND		FT	KIND		FT	KIND		FT
BUMPER SUB	KIND		FT	KIND		FT	KIND		FT
BIT OR CORE BARREL			FT			FT			FT
TOTAL D.P. & TOOLS		<i>785</i>	<i>51</i> FT		<i>785</i>	<i>51</i> FT			FT
KELLY DOWN (BELOW R.B.)		<i>2100</i>	FT		<i>2100</i>	FT		<i>2013</i>	FT
DEPTH OF TOOLS		<i>806</i>	<i>51</i> FT		<i>806</i>	<i>51</i> FT		<i>806</i>	<i>00</i> FT

SMOUST
1/15/72 Sol

TOUR	MORNING TOUR		DAYLIGHT TOUR		AFTERNOON TOUR	
DEPTH END OF TOUR	<i>806</i>	FEET				FEET
DEPTH START OF TOUR	<i>750</i>	FEET			750	FEET
FOOTAGE DRILLED	<i>56</i>	FEET				FEET

GEL

DAY WORK	HOURS				HOURS				HOURS			
	2:00 A.M.	4:00 A.M.	6:00 A.M.	8:00 A.M.	12:00 A.M.	2:00 P.M.	4:00 P.M.	6:00 P.M.	8:00 P.M.	10:00 P.M.	12:00 P.M.	
PUMP	<i>PSI 150-160</i>											
ROTARY SPEED	<i>9</i>	<i>90-120</i>	<i>CFM 300</i>									
WEIGHT ON BIT	<i>2-7</i>	<i>90 Soap 1/2</i>										
MUD WEIGHT	<i>G.P.M. 16</i>											
VISCOSITY												
W.L.F.C.												
pH												
MUD LEVEL IN TANKS												

Full
Rig Tank
Back Tank

Rig Tank
Storage

NO.	SIZE	SERIAL	BIT KIND AND TYPE	JET SIZES IN 1/32	TOTAL HOURS	FROM	TO	FEET	BIT CONDITION
<i>2A</i>	<i>12 1/4</i>	<i>TV025</i>	<i>HW OSC 16 J</i>	<i>3-16</i>	<i>15 1/4</i>	<i>540</i>	<i>806</i>	<i>266</i>	<i>CIRC MUD</i> <i>1-2-1</i>

Displace
of mud
10:00 AM
Pumped

CORE No.	No.	DST No.	FROM	TO	MUD ENG. REEFS REPORT				
TYPE		PREFLOW	mins	FHP	PS	FHP	PS	FHP	PS
FROM		ISI	mins	FHP	PS	FHP	PS	FHP	PS
TO		VO	mins	FHP	PS	FHP	PS	FHP	PS
Recovery		FST	mins	FSTP	PS	FST	mins	FSTP	PS
HOURS		RECOVERY							

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR	DEPTH
DRILLER	<i>L. TYSON</i>		<i>R. HICKS</i>	
DERRICKMAN	<i>G. PITTMAN</i>	<i>P. EASIER</i>	<i>G. FRASER</i>	<i>790</i>
HELPER	<i>O. ZEMBAK</i>		<i>T. GRAHAM</i>	
HELPER	<i>T. THOMAS</i>	<i>R. LINKLATER</i>	<i>L. DAVIDSON</i>	
HELPER	<i>J. PETER</i>	<i>J. JACKSON</i>	<i>J. MARSHALL</i>	
FIREMAN				
TOOL PUSHER				

1201

CHEURON SOBE WM E. Porcupine YT F-18

OTHER HOURLY OPERATING DETAIL
WORK DONE

1972	MUD and CHEMICALS ADDED		From	To	WORK DONE
	Kind	Amount			
TOUR	TOUR 1		1200	115	DRILL 12 1/4 HOLE
25 FT	SAND DUST	30	115	130	CIRC + RIG SER
67 FT	Fiber Seal	3	130	300	HOIST OUT SLOW STRAP OUT
79 FT			300	445	RUN IN SLOW BRAKE CIRC CLEAN 55 FT TO BOTTOM
04 FT	Fiber Seal	110 gals.	445	730	DRILL 12 1/4 HOLE
			730	800	CIRC W/AIR
12 FT					
	TOUR 2		800	900	Blow Foam out of Hole
			900	1000	Displace To Mud Pump 130 BBL NO RETURNS
			1000		MIX MUD - BUILD VOL. - MIX FIBRE-
	Seal	100 #		4.00	SEAL + SAND DUST.
13 FT					
00 FT	TOUR 3		4.00	4.15	SURVEY @ 790 - 1/2°
UR	GEL	MUD	4.15	6.00	MIX MUD - RAISE VOL.
FEET			6.00	7.00	BREAK CIR. - CIR.
FEET		435 gal	7.00		TRIP OUT - HOLE GOOD LAY
FEET		25 gal		10.30	DOWN 2 - 10" D.G.
HOURS			10.30		TRIP IN - HOLE GOOD - BRIDGE
12:00 PM				12.00	25' OFF BOT.

CEMENTING TESTING FISHING SPECIAL JOB DETAILS INCLUDING ENGINEERING SUMMARIES

Furb

Rig Tank 1193 - 39"

8:00 AM.

BRACK TANK 76"

Rig Tank

66ls

11:59 AM. mixed 9/2

Storage

66 1/2

Displace **FLOAM** from hole with air. Followed by 130 bbls of mud + lost circulation material. NO RETURNS.

10:00 AM - 5:00 PM. Wait on water & mixed mud.

Pumped 10 bbls mud obtained circulation.

1201 A.M. 68

Sup. 60

SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR **G.P.**

RIG NO **24**

FIELD **E.R. F-18**

WELL NAME

LSD

SEC

TWP

Rge

W

DRILLING DEEPENING COMPLETING
 REDRILLING ABANDONING REWORKING

FOR 24 HOURS ENDING 12 MIDNIGHT **MARCH 8**

1972

CHEVRON

MUD and CHEMICAL

Kind

DRILLING ASSEMBLY		END OF MORNING TOUR				END OF DAYLIGHT TOUR				END OF AFTERNOON TOUR					
STANDS	DP	NO			FT	NO	1		9490	FT	NO	2		18938	FT
SINGLE	DP	NO			FT	NO				FT	NO	1		3172	FT
X OVER SUB	7 1/2 OD				465	FT	1		465	FT	1			465	FT
OTHER	7 OD				304	FT	1		304	FT	1			304	FT
DRILL COLLARS	10 OD				6045	FT	2		6045	FT	2			6045	FT
DRILL COLLARS	7 OD	NO 14			43212	FT	NO 14		43312	FT	NO 14			43312	FT
REAMER	OD	KIND			FT	KIND			FT	KIND				FT	
STABILIZER	OD	KIND			FT	KIND			FT	KIND				FT	
JARS		KIND			FT	KIND			FT	KIND				FT	
BUMPER SUB		KIND			FT	KIND			FT	KIND				FT	
BIT OR CORE BARREL					FT				FT					FT	
TOTAL DP & TOOLS					FT				FT					FT	
KELLY DOWN (BELOW R.B.)					4061	FT			3384	FT				2764	FT
DEPTH OF TOOLS					54090	FT			63000	FT				75000	FT

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	54 FEET	630 FEET	750 FEET
DEPTH START OF TOUR	387 FEET	540 FEET	630 FEET
FOOTAGE DRILLED	15 FEET	90 FEET	120 FEET

DAY WORK	HOURS				HOURS							
	2:00 AM	4:00 AM	6:00 AM	8:00 AM	10:00 AM	12:00 AM	2:00 PM	4:00 PM	6:00 PM	8:00 PM	10:00 PM	12:00 AM
PUMP												
ROTARY SPEED	120				Foam				120			
WEIGHT ON BIT	2-5				Foam				2-5			
MUD WEIGHT	110				P.S.I. 110				Foam 150 p.p.m.			
VISCOSITY	300				C.F.M. 300				300 CFM			
W.L.F.C.	1/2				1/2 Soap				16 GPM			
pH	15				Q.P.M. 15				1/2 Soap			

NO.	SIZE	SERIAL	BIT KIND AND TYPE	JET SIZES IN 1/32	TOTAL HOURS	FROM	TO	FEET	BIT NUMBER
1A	12 1/4	26926	H.W.-OSC3-J	3-16	3 1/4	0	570	5 1/2	2-4-1
2	12 1/4	TV025	H.W. OSC 16-J	3-16	11 1/4	540	750	21	RUN

CORE	No.	No.	DST No.	FROM	TO	MUD ENGINEER'S REPORT					
TYPE			PREFLOW	mins	IHP	ps	IHP	ps	Flow	ps	Flow
FROM			ISI	mins	FHP	ps	FHP	ps	Flow	ps	Flow
TO			VO	mins	ISIP	ps	GTS	mins	VIS	ps	Flow
Recovery			FST	mins	FSTP	ps	FST	mins	VIS	ps	Flow
HOURS			RECOVERY								

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR	DRILLER	DEPT	READ
DRILLER	Lyle Tyson		R. HICKS			
DERRICKMAN	E. Pittman	P. FAESIER	G. FRASER		417	1/8
HELPER	O. Zembak		T. GRAHAM		510	1/8
HELPER	Isaac Thomas	R. LINKLATER	L. DAVIDSON		600	1/2
HELPER	J. Peter	J. JACKSON	J. MARSHALL		630	1/2
FIREMAN					690	1/2
TOOL PUSHER	D. Ryndamp					

4:00 PM F
10000 gal
12:01 A

CHEVRON SOBC WM E. Porcupine YT F-18

OTHER HOURLY OPERATING DETAIL
WORK DONE

MUD and CHEMICALS ADDED		From	To	
Kind	Amount			
1972		12 ⁰⁰	2 ⁰⁰	ORIAL 12 1/4 HOLE
TOUR		2 ⁰⁰	2 ³⁰	RIG SER + SURVEY
38		2 ³⁰	6 ³⁰	DRILL 12 1/4 HOLE
72		6 ³⁰	6 ⁴⁵	SURVEY
63		6 ⁴⁵	8 ⁰⁰	DRILL
04				
45				
12				
UR 2		8.00	8.30	GIRY RIG SER.
		8.30	10.00	HOIST + STRAP OUT.
		10.00	11.00	RUN IN.
		11.00	11.15	PICK UP KELLY BREAK CIR. CLEAN 6' OF FILL.
		11.15	2.15	DRILL 12 1/4 HOLE.
		2.15	2.45	SURVEY @ 600 - 1/2°
		2.45	4.00	DRILL 12 1/4 HOLE.
64				
60				
UR 3		4.00	4.30	SURVEY @ 630 - 1/2°
		4.30	8.30	DRILL 12 1/4 HOLE.
		8.30	9.00	SURVEY @ 690 - 1/2°
		9.00	12.00	DRILL 12 1/4 HOLE.

CEMENTING TESTING FISHING SPECIAL JOB DETAILS INCLUDING ENGINEERING SUMMARIES

6 ft fill after trip for G.T.

2-4-1
 REPORT
 READING
 1/8
 1/8
 1/2
 1/2
 1/2

4:00 PM Fuel Gage R. g 56" = 1896 gals
 10000 gallon Storage 76" = 6740 gals
 12.01 A.M. Rig 48" = 1565 gals


 SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR

GP

RIG NO

24

FIELD *E. Parry* WELL NAME

LSD

SEC

TWP

Rpt

W

DRILLING DEEPENING COMPLETING

REDRILLING ABANDONING REWORKING FOR 24 HOURS ENDING 12 MIDNIGHT

MARCH 7

1972

CHEVRON S

AUD. CHEMICALS

Kind

DRILLING ASSEMBLY		END OF MORNING TOUR				END OF DAYLIGHT TOUR				END OF AFTERNOON TOUR			
STANDS	D.P.	NO	FT	NO	FT	NO	FT	NO	FT	NO	FT		
SINGLE	D.P.	NO	FT	NO	FT	NO	FT	NO	FT	NO	FT		
X OVER SUB	7 1/2 O.D.	1	465	1	465	1	465	1	465	1	465		
OTHER	7 O.D.	1	304	1	304	1	304	1	304	1	304		
DRILL COLLARS	10 O.D.	2	604.5	2	604.5	2	604.5	2	604.5	2	604.5		
DRILL COLLARS	7 O.D.	NO	1237.8	NO	1851.6	NO	9	278.24	NO	9	278.24		
REAMER	O.D.	KIND	FT	KIND	FT	KIND	FT	KIND	FT	KIND	FT		
STABILIZER	O.D.	KIND	FT	KIND	FT	KIND	FT	KIND	FT	KIND	FT		
JARS		KIND	FT	KIND	FT	KIND	FT	KIND	FT	KIND	FT		
BUMPER SUB		KIND	FT	KIND	FT	KIND	FT	KIND	FT	KIND	FT		
BIT OR CORE BARREL			FT		FT		FT		FT		FT		
TOTAL D.P. & TOOLS			FT		FT		FT		FT		FT		
KELLY DOWN (BELOW R.B.)			2967		2470		4064						
DEPTH OF TOOLS			2217.6		2780.0		3870.2						

UR 1

GEL WATER

UR 2

UR 3

GEL WATER

Subsater Gel

FUEL RES. TA RIG

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	221 FEET	278 FEET	387 FEET
DEPTH START OF TOUR	140 FEET	221 FEET	278 FEET
FOOTAGE DRILLED	81 FEET	57 FEET	109 FEET

DAY WORK	HOURS				HOURS						
	2:00 AM	4:00 AM	6:00 AM	8:00 AM	10:00 AM	12:00 AM	2:00 PM	4:00 PM	6:00 PM		
PUMP	SPM										
ROTARY SPEED	R.P.M.	90-120	120	120	120		120	120	120	120	
WEIGHT ON BIT	M.lbs.	10-15	11	11	11						
MUD WEIGHT	lb/gal	8.5 8.5 8.5 8.5 Foam				P.S.I. 110					
VISCOSITY	sec/qt	39 39 40 40 G.P.M. 300				300					
W.L.F.C.	cc/32nd	G.P.M. 1/2				1/2					
pH		G.P.M. 15				15					
MUD LEVEL IN TANKS	ft. ins.										

NO.	SIZE	SERIAL	BIT KIND AND TYPE	RET. SIZES	TOTAL FEET	FROM	TO	REMARKS
1A	12 1/4	26976	H.W. OSC3-I 3-16	14 1/2	0	221	221	
1A	12 1/4	26976	H.T.C. OSC3-I 3-16	18	0	278	278	DRLG.
1A	12 1/4	26976	H.T.C. OSC3-I 3-16	24	0	387	387	DRLG.

CORE	No	No	DST No	FROM	TO	REMARKS	
TYPE			PREFLOW	mins	F.H.P.	mins	F.H.P.
FROM			FS	mins	F.H.P.	mins	F.H.P.
TO			V.O	mins	F.S.P.	mins	F.S.P.
Recovery			FS	mins	F.S.P.	mins	F.S.P.
HOURS			RECOVERY				

Water was used

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	<i>Luffe Tyson</i>		R. HICKS
DERRICKMAN	G. PITTMAN	P. FAESLER	G. FRASER To Tgo. 20 0
HELPER	O. ZEMLAK		T. GRAHAM
HELPER	I. THOMAS	R. LINKLATER	L. DAVIDSON
HELPER	J. PETER	J. JACKSON	T. MARSHALL
FIREMAN			
TOOL PUSHER	<i>Bob Shanker</i>		

CHEVRON SOBC WM E. Porcupine YT F-18

OTHER HOURLY OPERATING DETAIL WORK DONE

1972	TOUR	Kind	Amount	From	To	OTHER HOURLY OPERATING DETAIL WORK DONE
	UR 1			12:00	12:15	Rig Set + Pull Survey
6.5 FT		GEL	500*	12:15	6:00	DRILL 12 1/4 HOLE
0.4 FT				6:00	6:30	SURVEY 202°
4.5 FT		WATER		6:30	-	DRILL
2.4 FT						
	JR 2			8:00	10:45	DRILL
				10:45	11:00	Rig Set + Survey
				11:00	11:45	DRILL
				11:45	4:00	WAIT ON WATER
6.4 FT						
0.2 FT	JR 3			4:00	5:30	WAIT ON WATER
		GEL	500*	5:30	8:45	DRILL
		WATER		8:45	9:15	SURVEY @ 315 - 1/8
				9:15	12:00	DRILL
		Superior Gel	70 gals			

FUEL

RES. TANK - 2.1
RIG " - 6.6

Water shortage resulted from fire in water tank truck. ~~One~~ (unit to go back to base for repair) One Truck was unable to keep up with rig demands.

Ben J. Schaefer 107
SIGNATURE COMPANY ENGINEER

4 LOCAL EAST PORCUPINE F 18 MARCH 17 1972
 SE. PARKIN PARKIN 38 ROAD ROUGH 12

Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
1119	47 1/4			1	1300	54				
PUMP				MOTOR HOURS						
1300	1300	No. 2		1	240	300				
54	54	No. 2		2	240	300				
250				5 1/2 x 14						
11.6				O Flow 9.4						
1/2" stream				SURVEYS						
				1790 1						
				1910 2						
387				NEW 5-2-72 500 2400						

REMARKS		TIME	
SURVEY @ 1790 1/4 RIG SER. CHECK B.O.P.	12.00	12.30	1/2
DRILL 8 3/4 HOLE.	12.30	7.00	6 1/2
SURVEY @ 1910	7.00	7.30	1/2
DRILL	7.30	8.00	1/2

Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
1268	53			1	1400	55				
PUMP				MOTOR HOURS						
1300	1300	No. 2		1	248	300				
55	55	No. 2		2	248	300				
250				3 1/2 x 16						
11.6				O Flow 9.4						
DUMPED SHAKER TANK				2010 1/2						
MIXED CENTRE TANK				S-1 ASH SOLD						
387				NEW 5-3-72 500 2400						

DRILL	8 1/2	11.45	2 1/4
DRILL	9.00	11.45	2 1/4
DRILL	11.45	12.15	1 1/4
DRILL	12.15	1.15	1 1/4
DRILL	1.15	3.15	2
DRILL	3.15	4.15	1 1/4

Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
1374	57 1/4			1	1400					
PUMP				MOTOR HOURS						
1400	1400	No. 2		1	236	300				
54	54	No. 2		2	251	300				
10.6				O Flow 9.1						
				SURVEYS						
				1790 1						
				1910 2						
387				NEW 5-3-72 500 2400						

DRILL	4.00	4.15	1 1/4
DRILL	4.15	5.15	1 1/4
DRILL	5.15	6.15	1 1/4
DRILL	6.15	7.15	1 1/4
DRILL	7.15	8.15	1 1/4
DRILL	8.15	9.15	1 1/4

FUEL ON HAND		1814
FUEL RE-ADDED		00
TOTAL		
FUEL USED		
EQUIPMENT RETURNS		YES/NO

CSG	12
AP PW	DAYS FROM SPUD
APPROVED BY	OPERATOR'S REPRESENTATIVE
APPROVED BY	TOOLPUSHER

DRILLING LTD.
DRILLING LOG
W 19 N 5 W

24 EAST PORcupINE F-18
PARKIN BASE PARKIN PARKIN

38

From	Footage	To	Hrs on Bottom	Wt. Drift Pipe	Stands	Singles	DRILL COLLARS	No.	OD	Length	At. Wt.	Sub. Wt.	CB	Up on			
33	197	1530	6 3/4	55	10	2	5 1/2	14	7	2 1/8	433.12	14.99	3.04	209			
No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
4	8 3/4	586	10-11	912775	10-20	40-45	724	25									

REMARKS
DRILL 8 3/4 HOLE
SURVEY + Rig S&R.
DRILL 8 3/4 HOLE
SURVEY WORK ON VUK
DRILL 8 3/4 HOLE

U.D.	8 am	10 am	12 noon	2 pm	PUMP	8 am	10 am	12 noon	2 pm	PUMP	MOTOR HOURS		
HEIGHT	9		9		No. 1	1400	1300	1300	1300	No. 2	216 300		
COSITY	36		36		Wgt.	56	54	54	54	Wgt.	216 300		
GEL	4		3		DESILTER	500	5 1/2 x 16	250	5 1/2 x 14	DESILTER	964 1000		
LIVES: 4 1/2 R DRILL					GENERAL: FUEL					1382 1/2			
4 1/2 R DRILL					SPARE 4 1/2					1777 3/4			

From	Footage	To	Hrs on Bottom	Wt. Drift Pipe	Stands	Singles	DRILL COLLARS	No.	OD	Length	At. Wt.	Sub. Wt.	CB	Up on			
30	102	1632	6 3/4	57	11	2	14	7	2 3/8	433.06	14.99	3.04	243				
No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
4	8 3/4	586	10-11	912775	10-20	40-45	826	31 1/2			1	1300	54				

REMARKS
DRILL 8 3/4 HOLE
SURVEY + RIG SER.
DRILL
CIR. CLEAN HOLE
SURVEY @ 15:60

U.D.	8 am	10 am	12 noon	2 pm	PUMP	8 am	10 am	12 noon	2 pm	PUMP	MOTOR HOURS		
HEIGHT	4.3	9.3	9.4	9.3	No. 1	1400	1300	1300	1300	No. 2	224 300		
COSITY	36	36	58	40	Wgt.	56	54	54	54	Wgt.	224 300		
GEL					DESILTER	500	5 1/2 x 16	250	5 1/2 x 14	DESILTER	972 300		
LIVES: REL - 12 BAGS					GENERAL: 1520					244 1000			
PAP. DRILL - 10 LBS					1560					244 300			
WATER. 1"					SNOW					Temp 0 180			

From	Footage	To	Hrs on Bottom	Wt. Drift Pipe	Stands	Singles	DRILL COLLARS	No.	OD	Length	At. Wt.	Sub. Wt.	CB	Up on			
32	159	1791	7	58	13	2	14	7	2 3/8	433.12	14.99	3.04	88				
No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
4	8 3/4	586	10-11	912775	20-25	40-50	985	35 1/2									

REMARKS
DRILL
CIR. CLEAN HOLE
SURVEY + RIG SER.
DRILL
CIR. CLEAN HOLE

U.D.	4 pm	6 pm	8 pm	10 pm	PUMP	4 pm	6 pm	8 pm	10 pm	PUMP	MOTOR HOURS		
HEIGHT	7.2	1	9.3	9.3	No. 1	1300	1300	1300	1300	No. 2	232 300		
COSITY	40	37	42		Wgt.	54	54	54	54	Wgt.	232 300		
GEL					DESILTER	500	5 1/2 x 16	250	5 1/2 x 14	DESILTER	980 1000		
LIVES: BEL - 5 1/2					GENERAL: 1015 1/4					232 300			
PAP. DRILL - 11 1/2					FUEL					SNOW			
					SPARE TANK					Temp 0 200			

From	Footage	To	Hrs on Bottom	Wt. Drift Pipe	Stands	Singles	DRILL COLLARS	No.	OD	Length	At. Wt.	Sub. Wt.	CB	Up on			
3	12	357	11 3/4	57	12	2	14	7	2 3/8	433.12	14.99	3.04	246				
No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
4	8 3/4	586	10-11	912775	20-25	40-50	985	35 1/2									

REMARKS
DRILL
CIR. CLEAN HOLE
SURVEY + RIG SER.
DRILL
CIR. CLEAN HOLE

U.D.	4 pm	6 pm	8 pm	10 pm	PUMP	4 pm	6 pm	8 pm	10 pm	PUMP	MOTOR HOURS		
HEIGHT	7.2	1	9.3	9.3	No. 1	1300	1300	1300	1300	No. 2	232 300		
COSITY	40	37	42		Wgt.	54	54	54	54	Wgt.	232 300		
GEL					DESILTER	500	5 1/2 x 16	250	5 1/2 x 14	DESILTER	980 1000		
LIVES: BEL - 5 1/2					GENERAL: 1015 1/4					232 300			
PAP. DRILL - 11 1/2					FUEL					SNOW			
					SPARE TANK					Temp 0 200			

DRILLING BOARD COPY

TESTED: CLOSED, ELASSED: OPEN, PUMP: OPEN

WATER: CLOSED

WIND: 24

TEMP: 27.87

CASING REPORT

TOTAL: 2787

FUEL USED: 2787

DATE: 04-15 FROM SPUD

24 EAST PORCUPINE F-18 MARCH 16 22
 PARKIN PARKIN 38 ROUGH

Stands	Singles	DRILL COLLARS	No	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	CB Ft.	Up on Kelly	
0	2	5490	14	7 3/4	278	38.52	1499	304	10.69		
P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
0-45	724	25									

REMARKS	START	STOP	TIME
DRILL 8 3/4 HOLE	12:00	1:30	1 1/2
SURVEY + RIG SER. 301?	1:30	1:45	1/4
DRILL 8 3/4 HOLE	1:45	6:30	4 3/4
SURVEY WORK ON NURSERY BRAKE	6:30	7:00	1/2
DRILL 8 3/4 HOLE	7:00	8:00	1

Stands	Singles	DRILL COLLARS	No	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	CB Ft.	Up on Kelly	
11	2	826	14	7 3/4	278	38.52	1499	304	14.3		
P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
0-45	826	3 1/4			1	1300	54				

REMARKS	START	STOP	TIME
DRILL 8 3/4 HOLE	8:00	9:30	1 1/2
SURVEY, RIG SER. CHECK HYDRIL	8:30	9:00	1/2
DRILL	9:00	11:15	2 1/4
SURVEY @ 1560	11:15	11:45	1/2
DRILL	11:45	12:00	1/4

Stands	Singles	DRILL COLLARS	No	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	CB Ft.	Up on Kelly	
13	2	985	14	7 3/4	278	38.52	1499	304	38		
P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
0-45	985	3 1/4									

REMARKS	START	STOP	TIME
DRILL	4:00	5:15	1 1/4
CIRC DRILL	5:20	5:30	1/2
DRILL	5:40	6:00	1/2
DRILL	6:00	11:15	5 1/4
CIRC TUBE CLEAN	11:15	12:00	1/4

Stands	Singles	DRILL COLLARS	No	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	CB Ft.	Up on Kelly
387	1150	40	NEW	5-2-72	500	2400				

FIRES
 DRILLER'S SIGNATURE

FUEL USED		CEMENT RETURNS		YES NO	
2187					

APPROVED BY	DATE
Operator's Representative	
Toolpusher	

G. P. DRILLING LTD.

DAILY DRILLING LOG

DIRECTION OF DRILLING

WELL NO.

DATE 24

LOCATION EAST PORCUPINE F-10

100' 9" IN. SW IN PARKIN BASE

PARKIN

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	OD	ID	Length	Wt.	Sub. Wt.	L.S.
876	127	1003	5 3/4	52	5		5790	14	7 3/4	7 1/4	43326	1499	304	
No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque
4	8 3/4	586	2-10-1-11	912775	10-12	50-60	127	5 3/4			2	750		Drillings

Pick up B.H.
Rig Set up
Run in well
Drill 8 3/4
SURVEY
Drill 8 3/4
LARKIN
Block
FIRESNIL

MUD	12 mn	2 am	4 am	6 am	PUMP	12 mn	2 am	4 am	6 am	PUMP	MOTOR HOURS
WEIGHT					No. 1	1200	1200	No. 2	650	650	1 192 300
VISCOSITY					WATER	500	500	5 1/2 x 16	250	5 1/2 x 14	2 192 300
GEL					DESILTER	Hours Op	U. Flow	O. Flow			3 940 1000
W.L.	FC	pH			GENERAL	CHANGE GLAND PACKING ON LUBSIDE	970	12			4 212 300
ADDITIVES:	GEL 10 BAG		GENERAL		CHANGE GLAND PACKING ON LUBSIDE		970	12			5 212 300
Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Date			0-100
1	WRIGHT	0-3707	8	12	387	1150	40	NEW 5-2-72	500	2400	

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	OD	ID	Length	Wt.	Sub. Wt.	L.S.
1003	122	1025	5 1/2	53	6	1	14	14	7 3/4	7 1/4	7042	1479	304	
No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque
4	8 3/4	586	2-10-1-11	912775	10-15	40-50	249	11 1/4			2	422.06		5.29

DRILL 8 3/4
SURVEY -
DRILL 8 3/4
REPAIR #1
DRILL 8 3/4

MUD	8 am	10 am	12 noon	2 am	PUMP	8 am	10 am	12 noon	2 am	PUMP	MOTOR HOURS
WEIGHT			9.1	9.1	No. 1	1200	1200	No. 2	650	650	1 200 300
VISCOSITY			38	37	WATER	500	500	5 1/2 x 16	250	5 1/2 x 14	2 200 300
GEL					DESILTER	Hours Op	U. Flow	O. Flow			3 948 1000
W.L.	FC	pH			GENERAL	NEW LINER GASKET & GLAND - 1030 + 2	5	2.20			4 2.20 300
ADDITIVES:	WATER		GENERAL		NEW LINER GASKET & GLAND - 1030 + 2		5	2.20			5 2.20 300
Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Date			0-15
1	WRIGHT	03707	8	12	387	1150	40	NEW 5-2-72	500	2400	

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	OD	ID	Length	Wt.	Sub. Wt.	L.S.
1005	208	1033	7	54	8	2	14	14	7 3/4	7 1/4	3832	1214	103	
No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque
4	8 3/4	586	2-10-1-11	912775	20	40-50	18 1/4				1	1300	55	1W

DRILL 8 3/4
SURVEY
DRILL 8 3/4
SURVEY
DRILL 8 3/4

MUD	4 am	6 am	8 am	10 am	PUMP	4 am	6 am	8 am	10 am	PUMP	MOTOR HOURS
WEIGHT	92	83	89	89	No. 1	1300	1300	No. 2	650	650	1 208 300
VISCOSITY	32	32	32	32	WATER	500	500	5 1/2 x 16	250	5 1/2 x 14	2 208 300
GEL					DESILTER	Hours Op	U. Flow	O. Flow			3 956 1000
W.L.	FC	pH	9.5		GENERAL	NEW LINER GASKET & GLAND	1161	1/2			4 228 300
ADDITIVES:	Rapid Drill 2*		GENERAL		NEW LINER GASKET & GLAND		1161	1/2			5 228 300
Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Date			0-410
1	WRIGHT	03107	8	12	387	1150	40	NEW 5-2-72	500	2400	

BOP	Tested	Elapsed Time	Pressure	Parking & Seal Inspected Date	Clearance	Fuel on Hand	CASING REPORT
Hydri							
Pump Rams	CLOSE OPEN						
Blind Rams							
TOTCO RING ON BIT = 4	Bottom Operated	23	24				
FUEL USED							2487



Location: EAST PORCUPINE F-16
 DATE: MARCH 15 1972
 NAME: PARKIN

Singles	DRILL COLLARS	No.	OD	D	Length	A. Wt	Sub. Wt	CB	ft up on	
	1	7 3/4	7 3/4	278	28.78	14.99	304		0.00	
Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
127	5 3/4			2	750					

REMARKS	TIME
	START STOP INTVL
PICK UP B.H.A.	12:00 12:45 3/4
Rig SET + BANG RAMS - 301PS	12:45 1:00 1/4
RUN IN W/ BIT #4	1:00 1:30 1/2
PICK UP KECK - CHOW STAFF	1:30 1:45 1/4
DRILL 8 3/4 HOLE	1:45 5:00 3/4
SURVEY	5:00 5:30 1/2
DRILL 8 3/4 HOLE	5:30 8:00

PUMP		MOTOR HOURS	
12 noon	2:00	1	192
5:30	5:30	2	192
		3	940
		4	212
		5	212

REMARKS	TIME
WORKING OVER TO BULK CHAMBER	
Block 1 to HOLD DOWN FLAME LIME	
FIRE SNAIL	
DRILL 8 3/4 HOLE	8:00 9:15 1/4
SURVEY - RIG SET. CHECK PIPE RAM	9:15 9:45 1/2
DRILL 8 3/4 HOLE	9:45 10:45 1
REPAIR #1 PUMP	10:45 11:45 1
DRILL 8 3/4 HOLE	11:45 4:00 4 1/4

PUMP		MOTOR HOURS	
12:00	12:50	1	200
5:30	5:30	2	200
		3	948
		4	220
		5	220

REMARKS	TIME
DRILL 8 3/4 HOLE	11:45 12:15 1/4
RIG SET + BANG RAMS	12:15 12:45 1/2
DRILL 8 3/4 HOLE	12:45 1:30 1
SURVEY	1:30 2:00 1/2
DRILL 8 3/4 HOLE	2:00 10:00 4
SURVEY	10:00 10:30 1/4
DRILL 8 3/4 HOLE	10:30 12:00 1 1/4

PUMP		MOTOR HOURS	
1:30	2:00	1	208
5:30	5:30	2	208
		3	956
		4	228
		5	228

REMARKS	TIME
DRILL 8 3/4 HOLE	12:00 12:15 1/4
RIG SET + BANG RAMS	12:15 12:45 1/2
DRILL 8 3/4 HOLE	12:45 1:30 1
SURVEY	1:30 2:00 1/2
DRILL 8 3/4 HOLE	2:00 10:00 4
SURVEY	10:00 10:30 1/4
DRILL 8 3/4 HOLE	10:30 12:00 1 1/4

CASING REPORT	
Fuel on Hand	298.7
Fuel Ret'd Today	
TOTAL	
Fuel on Hand	298.7
FUEL USED	

APPROVED BY: [Signature]
 OPERATOR'S REPRESENTATIVE: [Signature]
 APPROVED BY: [Signature]
 TOOLPUSHER: [Signature]

G. P. DRILLING LTD.
DAILY DRILLING LOG
DIRECTIONS TO
WELL

24 EAST PORCUPINE F-18
IN-PARKIN BASE 3000 YARKIN

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	OD	ID	Length	Air Wt.	Sub. Wt.	T. B. G.
706							5.190	15	7	2 1/2	276	464	24	3.04

No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.	
7	8 3/4	STAG	2-10	881723														
MUD			12 mn	2 am	4 am	6 am	PUMP			12 mn	2 am	4 am	6 am	PUMP			MOTOR HOURS	
WEIGHT		No. 1		No. 2		No. 3		No. 4		No. 5		No. 6		No. 7		No. 8		
VISCOSITY		500		5/2 NG		250												
GEL																		
W L		F C		pH		DESILTER		Hours Op		U. Flow		O. Flow		SURVEY'S		At Feet Degree		
ADDITIVES:		GENERAL:		Dry fuel		Blask tank 44"												

PRESS TEST
CHANGE VALVE
PRESS TEST
BOPS

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Feet	At Wt.	Date	Sub. Wt.	T. B. G.
1	WAGH		3707	8			375	1150		NEW 5-2-72	500	2400

FIRES

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	OD	ID	Length	Air Wt.	Sub. Wt.	T. B. G.			
806	10	716	1	50	3	1	15	7	2 1/2								
No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
3	8 3/4	ST.	2-10	881723	10	50	10	1									

THAW IC
TIGHTEN
CLOSE H
TO MAN

MUD			8 am	10 am	12 noon	2 pm	PUMP			8 am	10 am	12 noon	2 pm	PUMP			MOTOR HOURS	
WEIGHT		No. 1		No. 2		No. 3		No. 4		No. 5		No. 6		No. 7		No. 8		
VISCOSITY		D		5 1/2		250												
GEL																		
W L		F C		pH		DESILTER		Hours Op		U. Flow		O. Flow		SURVEY'S		At Feet Degree		
ADDITIVES:		GENERAL:		CHGED. GLAND-PACKING		E.W. SIDE D-500.												

REPAIR 2"
PIPE - TUR
TEST STAI
KELLY-CE
DRILL OUT
DRILL 9 1/4"

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Feet	At Wt.	Date	Sub. Wt.	T. B. G.
1	WAGH		3707	8			375	1150		NEW 5-2-72	500	2400

FIRES

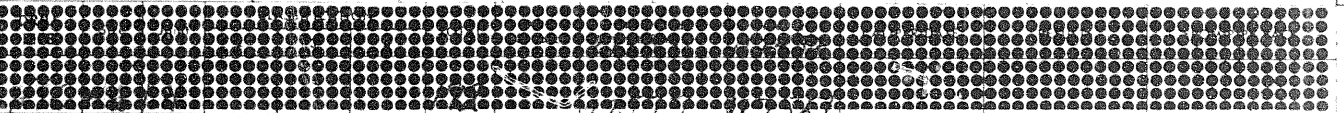
From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	OD	ID	Length	Air Wt.	Sub. Wt.	T. B. G.				
816	60	716	3	50	4		15	7	2 1/2									
No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.	
3	8 3/4	STAG	2-10	881723	10-20	50	70	4										
MUD			4 pm	6 pm	8 pm	10 pm	PUMP			4 pm	6 pm	8 pm	10 pm	PUMP			MOTOR HOURS	
WEIGHT		No. 1		No. 2		No. 3		No. 4		No. 5		No. 6		No. 7		No. 8		
VISCOSITY		1400		62		62												
GEL		300																
W L		F C		pH		DESILTER		Hours Op		U. Flow		O. Flow		SURVEY'S		At Feet Degree		
ADDITIVES:		GENERAL:		BLACK TANK 5'		1 SK BICARB												

DRLG
P.G. 50
DRLG
Blow Ke
Hoist
INSTALL
CLEAN S
DOWN B
PICKUPS

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Feet	At Wt.	Date	Sub. Wt.	T. B. G.
1	WAGH		0-3707	8			375	1150		NEW 5-2-72	500	2400

FIRES

B.O.P.	Tested	Elapsed Time	Pressure	Packing & Seal Inspected Date	Clean & Coat Check	Fuel on Hand	CASING REPORT
Hyd-1							
Pipe Rams							
Blind Rams							
TO/CO RING ON BIT ::		Batter Operated		Fuel on Hand		TOTAL	
				675			



CONSERVATION BOARD COPY

G. P. DRILLING LTD.
DAILY DRILLING LOG
DIRECTIONS TO WELL

WELL NO. 24

EAST PORCUPINE F-18
PARKIN

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	DD	D	Length	Air Wt.	Sub. Wt.	Temp.
		806					51490	14	7		278	433.12	304	9.24

No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.

MOTOR HOURS

1	144	300
2	144	300
3	892	1000
4	164	300
5	164	300
6	20	140

ADDITIVES: GENERAL CHANGE OIL IN FLOOD AIR COMPRESSOR light weight
PULL HIGH TANK 91 BEAR 64

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	DD	D	Length	Air Wt.	Sub. Wt.	Temp.

2 hr OVERTIME CREW HOOK UP MANIFOLD & FLAIR LINE

No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.

MOTOR HOURS

1	152	300
2	152	300
3	900	1000
4	172	300
5	172	300

ADDITIVES: GENERAL ENG. REQUEST TO HAVE 3" BULL PLUG WELDED INTO FLANGE ON BOTTOM OF SHAFER L. 204.

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	DD	D	Length	Air Wt.	Sub. Wt.	Temp.
					3			15	7		58	46.97	314	300

No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
	83/1			13/10													

MOTOR HOURS

1	160	300
2	160	300
3	905	1000
4	180	300
5	180	300

ADDITIVES: GENERAL SPARE TANK - 5'

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	DD	D	Length	Air Wt.	Sub. Wt.	Temp.

3 55 1150 40 NEW 5-2-72 500 2400

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Temp.	Bois
1"	WRIGHT		0-3707	8		375	1150	40	NEW 5-2-72 500

B.O.P.	Tested	Elapsed Time	Pressure	Parking & Seat Insured Date	Checkmate	Fuel on Hand	CASING REPORT
Hyd.	✓	30	1500		✓	319.100	
Pipe Rams	✓	3	1500		✓		
Bit Rams	✓	30	1500		✓		

TOICD RING ON BIT # 2
Bois Operated 2
FUEL USED 1803

Pressured to 3250
ON LINE TO 3250
... ..

EAST PORCUPINE F-18
PARKIN

MARCH 13

38

ROUGH

Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	ft. up on Keel
	5'470	14	7	2 7/8	433.12		300		1904

4 am	6 am	PUMP	2 pm	2 am	4 am	6 am	MOTOR HOURS	Next Oil Change
							1 144	300
							2 144	300
							3 892	1000
							4 164	300
							5 164	300

U. Flow	O. Flow	SURVEYS	At Feet	Degrees

Total Miles	Feet	At Miles	Date	Next	Left
375	1150	40	NEW 5-2-72	500	2400

REMARKS	TIME		
	START	STOP	INVT
CIRC WARM WATER	1200		
Rig SEA			
Rig SAVERS - OK		700	7
Hoist To Nipple up 50's	700	800	1

Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	ft. up on Keel

12 noon	2 pm	PUMP	3 am	10 am	12 noon	2 am	MOTOR HOURS	Next Oil Change
							1 152	300
							2 152	300
							3 900	1000
							4 172	300
							5 172	300

U. Flow	O. Flow	SURVEYS	At Feet	Degrees

Total Miles	Feet	At Miles	Date	Next	Left

REMARKS	TIME		
	START	STOP	INVT
FIRES			
NIPPLE UP B.O.P. HOOK		8:00	
UP MANIFOLD & FLARE LINE		6:00	10

Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	ft. up on Keel
	15	7	5 7/8	4	464.71		300		30

8 am	10 pm	PUMP	4 pm	6 pm	8 pm	10 pm	MOTOR HOURS	Next Oil Change
							1 160	300
							2 160	300
							3 908	1000
							4 180	300
							5 180	300

U. Flow	O. Flow	SURVEYS	At Feet	Degrees

Total Miles	Feet	At Miles	Date	Next	Left
375	1150	40	NEW 5-2-72	500	2400

REMARKS	TIME		
	START	STOP	INVT
FIRES			
NIPPLE UP B.O.P.		10:00	2
TIE B.O.P. LINES 15' IN			
SHORE WIND IN			
WEDGED UP FLANGES			
DEAR			
BRICK DOWN B.O.P. 15' IN			
RUN IN CHECK UNDER SHUTTER			
DRASS TEST KEEL			
NOSE LINKS, PRESS 15' IN			
1500 PSI TEST KEEL			

Fuel on Hand	3/13/72	CASING REPORT
1803		

APPROVED BY	DRILLER'S SIGNATURE
	R. Hicks



APPROVED BY
Operator's Representative
Approved by
Toolpusher

G. P. DRILLING LTD.
DAILY DRILLING LOG
DIRECTION TO WELL

NO 24 LOCATION EAST PORCUPINE F-18
WELL 12W19N-SW1N-PARKIN BASE NO 24 PARKIN NO 24 PARKIN

TOUR	From		Footage		To	Hrs. on Bottom	Wt. Drill Pipe	Stands	Singles	DRILL COLLARS	No. D.D.		D	Length	Air Wt.	Sub. Wt.	B.H.		
	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.	
MIDNIGHT TO 8 AM	306																		
	DRILL COLLARS 5-11014 7 278 433.01-X.03.04 1764																		
	M U D 12 m 2 a m 4 a m 6 a m PUMP 12 m 2 a m 4 a m 6 a m PUMP MOTOR HOURS																		
	WEIGHT No. 1 120 300																		
	VISCOSITY No. 2 120 300																		
	GEL No. 3 868 1000																		
	W L F.C. pH DESILTER Hours Op. U Flow O Flow SURVEY At Feet Degree 4 144 300																		
	ADDITIVES: FUEL RIG TANK - 60																		
	BLANK - 80																		
	CHANGE OIL IN TURNS FOR FUEL PUMP MOTOR. 30- 160																		
Drilling Line Record 1" WEIGHT 0-3707 8 375 1150 40 NEW S-2-72 500 2400																			
8 AM TO 4 PM	306																		
	DRILL COLLARS 111 28 48812 314 171																		
	M U D 8 a m 10 a m 12 noon 2 p m PUMP 8 a m 10 a m 12 noon 2 p m PUMP MOTOR HOURS																		
	WEIGHT No. 1 128 300																		
	VISCOSITY No. 2 128 300																		
	GEL No. 3 876 1000																		
	W L F.C. pH DESILTER Hours Op. U Flow O Flow SURVEY At Feet Degree 4 148 300																		
	ADDITIVES: GENERAL: Rig Inspection - Ins. Normal. 5 1480 300																		
	Drilling Line Record 1" WEIGHT 0-3707 5 375 1150 40 NEW S-2-72 500 2400																		
	4 PM TO MIDNIGHT	306																	
DRILL COLLARS 111 28 48812 314 171																			
M U D 4 a m 6 p m 8 p m 10 p m PUMP 4 a m 6 p m 8 p m 10 p m PUMP MOTOR HOURS																			
WEIGHT No. 1 136 300																			
VISCOSITY No. 2 136 300																			
GEL No. 3 884 1000																			
W L F.C. pH DESILTER Hours Op. U Flow O Flow SURVEY At Feet Degree 4 156 300																			
ADDITIVES: GENERAL: FUEL - 5 TANK - 80 5 156 300																			
Drilling Line Record 1" WEIGHT 0-3707 5 375 1150 40 NEW S-2-72 500 2400																			

Rig SER
CIR. WH
CLEAN UP
HOOK UP B
CHECK FIR
HOOK UP A
Fix Blow D

FIRES M
RIG SER
CIR. WH
CHECKY
RAUER
MOTOR

FIRES
CIR. WH
SERV
BUILD
S. PARK

B.O.P.	Tested	Elapsed Time	Pressure	Packing & Seal Inspected Date	✓	Fuel on Hand	2508	CASING REPORT
Hydri					✓	Fuel on Hand		
Pipe Rams						TOTAL		
Blind Rams								
TOTCO RING ON BIT	2	34			✓	FUEL USED	1731	

CONSERVATION BOARD COPY

EAST Porcupine #18
 PARKIN PARKIN
 38 38
 NAUGHT 5

DRILL COLLARS										
Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
0	14	7	2 1/2	433.12	200	5.83	9.61			
ES9 EQUIPMENT NO DEFECTS FOUND										
PUMP										
MOTOR HOURS										
38-62" TANK 60										

REMARKS			TIME	
	START	STOP	INT.	
FINISH CABLE TO BOTTOM	12:00	12:45	3/4	
Rig Set	12:45	1:00	1/4	
CIR. CEMENT TO CASE	1:00	2:30	1 1/2	
HOIST OUT TO RUN CASING	2:30	3:00	1	
Rig TO RUN CASING 1 1/2"	3:30	6:00	2 1/2	
RUN 7 3/8 CASING	6:00	8:00	2	
			8	

DRILL COLLARS										
Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
0	11:50	40	NEW	5-2-72	500	2400				
PUMP										
MOTOR HOURS										
FIRE N/L										

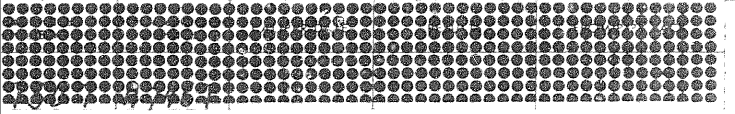
REMARKS			TIME	
	START	STOP	INT.	
FIN. RUN 9 3/8 CASING	8:00	10:15	2 1/4	
HOOK UP CIR. HEAVY-BREAK CIR.	10:15	10:45	1/2	
CIR. CASING - WAIT FOR WATER			3:00	4 1/4
RIG UP & RUN 4 1/2" SKS	3:00			
CEMENT			4:00	1

DRILL COLLARS										
Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
0	14	7	2 1/2	433.12	200	5.83	9.61			
PUMP										
MOTOR HOURS										
BLACK TANK - 90'										

REMARKS			TIME	
	START	STOP	INT.	
4 DISPERSED				
TOOK OUT 3 1/2"				
REAR END				
MUD SAMPLER START				
UP TO 100 FEET				
				12:00 6:30

CASING REPORT	
Feet on Hand	2371
Feet on Order	25
TOTAL	786 03
Feet on Hand	2905
FUEL USED	3 CARLS

REMARKS			TIME	
	START	STOP	INT.	
DRILLER'S SIGNATURE				



APPROVED BY
 OPERATOR'S REPRESENTATIVE
 APPROVED BY
 TOOLPUSHER

G. P. DRILLING LTD.

DAILY DRILLING LOG
DIRECTIONS TO WELL

24 EAST PORCUPINE F-18
16" IN 5" IN PARKIN BASK PARKIN

From	Footage	To	Hrs on Bottom	Wt. Dr. Pipe	Stands	Singles	DRILL COLLARS	Length	Sub Wt.	Table Torque	T	B	G				
750	56	06	4	62			2	15	3	60.45	2.10	7.19					
No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T	B	G
2A	1 1/4	OSCR	3-16	TV025	27	120	266	15 1/4			150	95I	16GPM	1/2	90	SOAP	

DRILL AT
CIRC + BYG
HOIST OUT
HOLD IN
CHAIN 55
DRILL 2 1/4
CIRC

MUD	12 m	2 a m	4 a m	6 a m	PUMP	2 m	2 a m	4 a m	6 a m	PUMP	MOTOR HOURS
WEIGHT					No. Lugs						1 48 300
VISCOSITY					MOD.						2 48 300
GEL					DESILTER	500	5 1/2 X 16			250	3 796 1000
W.L.	FC	pH			DESILTER	Hours	Flow				4 72 300
ADDITIVES:	30 soap Sawdust GENERAL: 10 gal Sulfate Sol.										5 72 300
	3 500 Fiber Seal										

Drilling Line Record	Size	Make	Serial No.	No. Lugs	Trips	Total Wt.	Total Wt.	AT Wt.	Sub Wt.	Table Torque	T	B	G
1"	WRIGHT	03707	8	1	10	340	1150	40	NEW 5-2-72	500	2400		

FIRES
SHOW PA
DISINCS
MIX FIBER

From	Footage	To	Hrs on Bottom	Wt. Dr. Pipe	Stands	Singles	DRILL COLLARS	Length	Sub Wt.	Table Torque	T	B	G				
No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T	B	G

MUD	8 a m	10 a m	12 noon	2 p m	PUMP	3 a m	3 a m	5 a m	7 a m	PUMP	MOTOR HOURS
WEIGHT					No. Lugs						1 56 300
VISCOSITY					MOD.						2 56 300
GEL					DESILTER						3 804 1000
W.L.	FC	pH			DESILTER						4 80 300
ADDITIVES:	Water PUMP 130 BBL. HOSE NO RETURNS										5 80 300
	10 Bags GEL 25 Bags sawdust 5 Bags FIBER										

FIRES
SURVEY
MIX MUD
BREAK
TRIP OUT
2-10"
TRIP IN
BR1200

Drilling Line Record	Size	Make	Serial No.	No. Lugs	Trips	Total Wt.	Total Wt.	AT Wt.	Sub Wt.	Table Torque	T	B	G
1"	WRIGHT	03707	8	1	10	330	1150	40	NEW 5-2-72	500	2400		

From	Footage	To	Hrs on Bottom	Wt. Dr. Pipe	Stands	Singles	DRILL COLLARS	Length	Sub Wt.	Table Torque	T	B	G				
No.	Si	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T	B	G
2A	1 1/4	OSCR	3-16	TV025			266	15 1/4									

MUD	4 a m	6 a m	8 a m	10 a m	PUMP	4 a m	6 a m	8 a m	10 a m	PUMP	MOTOR HOURS
WEIGHT					No. Lugs						1 64 300
VISCOSITY					MOD.						2 64 300
GEL					DESILTER	500	5 1/2 X 16			250	3 812 1000
W.L.	FC	pH			DESILTER						4 88 300
ADDITIVES:	GEL 400# GENERAL: 790 1/2 CLEAR.										5 88 300
											- 10.

Drilling Line Record	Size	Make	Serial No.	No. Lugs	Trips	Total Wt.	Total Wt.	AT Wt.	Sub Wt.	Table Torque	T	B	G
1"	WRIGHT	03707	8	1	10	330	1150	40	NEW 5-2-72	500	2400		

B.O.P.	Tested	Elapsed Time	Prev. Run	Parking & Seal	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow

FIRES
CASING REPORT
1565
2371
FUEL USED
806

EAST PORCUPINE F-18
PARKIN

MARCH 7 22
BOUGHT 4

Singles		DRILL No	O.D.	D	Length	As. Wt.	Sub. Wt.	C.B. Ft.	18064			
COLLARS		2	1 1/2	3	60.45	2.80714			278 433.12			
Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.		
266	15 1/4			150	251	1060	1 1/2 % SOAP				300 C.F.M.	

REMARKS			TIME		
	START	STOP		START	STOP
DRILL 12 1/4 HOLES	12:00	1:15		1 1/4	
CIRC + BIG SER	1:15	1:50		1/4	
HOIST OUT SLOW STRAP OUT	1:50	3:00		1 1/2	
RUN IN - SLOW DRAG WIRE	3:00				
CLEAN 55 FT TO BOTTOM		4:45		1 1/4	
DRILL 12 1/4 HOLES	4:45	7:30			
CIRC	7:30				

PUMP		MOTOR HOURS	
No. 2		1	48 300
		2	48 300
		3	796 1000
		4	72 300
		5	72 300

U. Flow: 110 gal Sulfate Sal.
SURVEYS: At Feet, Degree

FIRES		DRILLER'S SIGNATURE	
		Lytle	
BLOW FEAM OUT OF HOLES	8:00	9:00	1
DISCHARGE TO MUD NO RETURNS	9:00	10:00	1
MIX MUD - BUILD VOLUME	10:00		
MIX FIBRE SEAL & SAWDUST		10:06	

PUMP		MOTOR HOURS	
No. 2		1	56 300
		2	56 300
		3	804 1000
		4	80 300
		5	80 300

U. Flow: NO RETURNS
PUMP FIBRE

FIRES		DRILLER'S SIGNATURE	
SURVEY @ 790 - 1/2	4:00	4:15	1/4
MIX MUD, RAISE VOL.	4:15	6:00	1 1/4
BREAK CIR - CIR.	6:00	7:00	1
TRIP OUT - LAY DOWN	7:00		
2-10" D.C. - HOLE GOOD.		10:30	3 1/2
TRIP IN - HOLE GOOD.	10:30		
BRIDGE 25 FEET BOT.		12:00	1 1/2

PUMP		MOTOR HOURS	
No. 2		1	64 300
		2	64 300
		3	812 1000
		4	88 300
		5	88 300

U. Flow: 790 1/2
SURVEYS: At Feet, Degree

FIRES		DRILLER'S SIGNATURE	
		R. Hieber	

CASING REPORT	
Fuel on Hand	1565
Fuel Returned	
TOTAL	2371
FUEL USED	806

FUEL USED		TOTAL COMPANY TIME		TOTAL CONTRACTOR'S TIME	
APPROVED BY OPERATOR'S REPRESENTATIVE		APPROVED BY TRIPMASTER			
		L. Sigurdson			

EAST PORCUPINE F-18
PARKIN

MARCH 8/72

72

PARKIN

38

ROUGHT

3

Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
540	31 1/4				150	PSI Air - Foam				
	1103				16 GPM 1/2 % Soap					
					300 CFM					

MOTOR HOURS	
1	24 300
2	24 300
3	772 1000
4	48 300
5	48 300
6	20 200

TIME		
START	STOP	MIN.
12:00	2:00	2
2:00	2:30	1/2
2:30	6:30	4
6:30	6:45	1/4
6:45	8:00	1 1/4

DRILL COLLARS		No.	O.D.	I.D.	Length	Air Wt.	Sub Wt.	W. on Top	W. on Bottom
2	10	3	60.45	2	4.0	7.67			
14	7	2 3/4	433.12						

MOTOR HOURS	
1	32 300
2	32 300
3	280 1000
4	56 300
5	56 300

TIME		
START	STOP	MIN.
8:00	8:30	1/2
8:30	10:00	1 1/2
10:00	11:00	1
11:00	11:15	1/4
11:15	2:15	3
2:15	2:45	1/2
2:45	4:00	1 1/4

DRILL COLLARS		No.	O.D.	I.D.	Length	Air Wt.	Sub Wt.	W. on Top	W. on Bottom
2	10	2 3/4	60.45	2	4.0	7.67			
14	7	3	433.12						

MOTOR HOURS	
1	40 300
2	40 300
3	788 1000
4	64 300
5	64 300
6	25 170

TIME		
START	STOP	MIN.
4:00	4:30	1/2
4:30	8:30	4
8:30	9:00	1/2
9:00	12:00	3

CASING REPORT	
Fuel on Hand	2932
Fuel Used	1865

CASING REPORT	
Days from Spud	3
Operator's Representative	[Signature]
Toolpusher	[Signature]

G. P. DRILLING LTD.
DAILY DRILLING LOG
DIRECTIONS
WELL

24 EAST PORCUPINE 72 F18
PARKIN

12W 1N 5W 4 PARKIN BASE

TOUR	From		Footage		To		Hrs. on Bottom		W. Dr. Pipe		Stand		Singles		DRILL COLLARS		Pump		S.P.M.		Table Torque		T		B		G		
	No.	Size	Type	Jets, W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T	B	G											
TOUR	140	81			11	11	40								2	10	3	60.45											
B	1A	12 1/4	OSC3	3-16	26976	5	90-100	278	18																				
M.U.D.	2am		2am	4am	6am	PUMP		PUMP		MOTOR HOURS																			
WEIGHT	8.5		8.5		8.5		8.5		No																				
VISCOSITY	40		40		40		40		B																				
GEL	500		5 1/2		16		250																						
W.L.	F.C.		pH		DESILTER		Hours		Op																				
ADDITIVES:	WATER		GENERAL																										
GEL		3 Bags																											
Drilling Line Record	Size	Make	Serial No.	No. Lines																									
1	WRICOR	03707	8																										
TOUR	221	57			178	32	41								2	10	3	60.45											
B	1A	12 1/4	OSC3	3-16	26976	5	90-100	278	18																				
M.U.D.	8am		10am	12noon	2pm	PUMP		PUMP		MOTOR HOURS																			
WEIGHT	8.5		8.5		8.5		8.5		No																				
VISCOSITY	40		40		40		40		B																				
GEL	500		5 1/2		16		250																						
W.L.	F.C.		pH		DESILTER		Hours		Op																				
ADDITIVES:	GENERAL																												
263		78																											
Drilling Line Record	Size	Make	Serial No.	No. Lines																									
1	WRICOR	03707	8																										
TOUR	275	109			387	6	47								2	10	3	60.45											
B	1A	12 1/4	OSC3	3-16	26976	5-7	100	387	24																				
M.U.D.	4pm		5pm	6pm	7pm	PUMP		PUMP		MOTOR HOURS																			
WEIGHT	8.5		8.5		8.5		8.5		No																				
VISCOSITY	70		45		45		45		B																				
GEL	500		5 1/2		16		250																						
W.L.	F.C.		pH		DESILTER		Hours		Op																				
ADDITIVES:	GENERAL																												
315		78																											
Drilling Line Record	Size	Make	Serial No.	No. Lines																									
1	WRICOR	03707	8																										

Rig Set
DRILL
SURVEY
DRILL

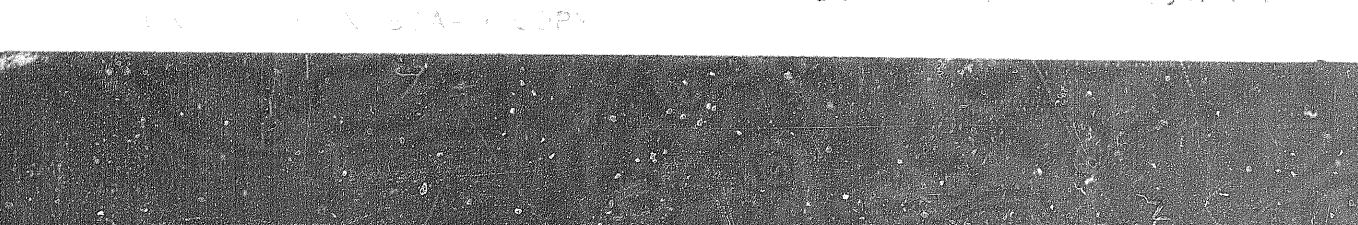
DRILL
SURVEY
DRILL

WAIT ON
DRILL
DRILL

B.O.P.	Tested	Clipped	Prep	Packing & Seal																									
Mud																													
Pipe Ram																													
Blind Ram																													

CASING REPORT

TOTCO RING ON BIT	Bo. Operated	FUEL USED																											



EAST PORCUPINE TR. F. 18
 PARKIN PARKIN
 38 MARCH 7/72 72
 ROUGH 2

Sigsbee	DRILL COLLARS	No. 2	OD 10	ID 3	Length 60.45	Ar. Wt. 10.45	Sub. Wt. 10.45	CB 11	Fl. on Kelly 12	
Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
1	17 1/2				100 PSI	100				
15 GAL PER MIN. 1/2% SOAP 300 C.F.M. NO BRASS MOTOR HOURS 1 2 3 4 5										

REMARKS		TIME	
Rig SER		START	STOP
DRILL		12:00	12:15 1/4
SURVEY AT 1000 PCE		12:15	6:00 5 3/4
DRILL		6:00	6:30 1/2
		6:30	

Sigsbee	DRILL COLLARS	No. 2	OD 10	ID 3	Length 60.45	Ar. Wt. 10.45	Sub. Wt. 10.45	CB 11	Fl. on Kelly 15.94	
Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
278	18				100 PSI	100				
100 PSI AIR FORM. MOTOR HOURS 1 2 3 4 5										

REMARKS		TIME	
DRILL		8:00	10:45 2 3/4
SURVEY + Rig SER		10:45	11:00 1/4
DRILL		11:00	11:45 7/8
WAIT ON WATER		11:45	12:00 4 1/4

Sigsbee	DRILL COLLARS	No. 2	OD 10	ID 3	Length 60.45	Ar. Wt. 10.45	Sub. Wt. 10.45	CB 11	Fl. on Kelly 278.24	
Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
287	24				150 PSI	150				
150 PSI AIR FORM. 16 G.P.M. 1/2% SOAP 300 C.F.M. MOTOR HOURS 1 24 300 2 24 300 3 772 1000 4 48 300 5 060 70 700										

REMARKS		TIME	
WAIT ON WATER		4:00	5:30 1 1/2
DRILL		5:30	8:45 3 1/4
SURVEY @ 315		8:45	9:15 1/2
DRILL		9:15	12:00 2 3/4

Fuel on Hand	374	CASING REPORT	
TOTAL	2932		
FUEL USED			

FIRES		DRILLER'S SIGNATURE	
		H. Hicks	

APPROVED BY	OPERATOR'S REPRESENTATIVE
APPROVED BY	TOOLPUSHER

TOTAL COMPANY TIME	TOTAL CONTRACTOR TIME

