

# TOUR REPORT

CONTRACTOR *Nebores* NO. *1*

FIELD *Eagle Plain* WELL NAME

DRILLING  DEEPENING  COMPLETING  
 REDRILLING  ABANDONING  REWORKING

DATE *April 2* 19 *73*

DRILLING ASSEMBLY	END OF MORNING TOUR		END OF DAYLIGHT TOUR		END OF AFTERNOON TOUR	
STANDS	D.P.	NO	NO	<i>938</i>	<i>53</i>	
SINGLE	D.P.	NO				
X-OVER SUB	O.D.					
OTHER	O.D.					
DRILL COLLARS	O.D.					
DRILL COLLARS	O.D.	NO				
REAMER	O.D.	KIND				
STABILIZER	O.D.	KIND				
JARS		KIND				
BUMPER SUB		KIND				
BIT OR CORE BARREL						
TOTAL D.P. & TOOLS						
KELLY DOWN BELOW B						
DEPTH OF TOOLS						

*Soda A*

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR			
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
PUMP	/							
ROTARY SPEED								
WEIGHT ON BIT								
MUD WEIGHT								
VISCOSITY								
W.L.F.C.								

*Plus with Plus*

NO.	SIZE	SERIAL	BIT KIND AND TYPE	FEET	REMARKS

ORE	NO.	NO.	DST. V.	FRONT	REMARKS
YPE					
ROM					
TO					
Recovery					
HOURS					

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	<i>F. REICHERT</i>	<i>Ed FISHU CHUK</i>	
DERRICKMAN	<i>J. GUNNING</i>	<i>J. SHANNON</i>	
HELPER	<i>R. FIMMICHUK</i>	<i>R. BRENDON</i>	
HELPER	<i>H. KULTKAR</i>	<i>L. MACHISE</i>	
HELPER	<i>S. THOMPSON</i>	<i>MAT SAMPALH</i>	

TOOL PUSHER *[Signature]*

*P Co 5 PI wh R.*

Chevron SDBC Bull Ridge RT 1-48

CHEMICALS ADDED		From	To
Kind	Amount	12:00	1:30
		1:30	2:30
Soda Ash	200#	2:30	3:00
		9:00	9:45
		9:45	10:00
		10:00	11:20
		11:00	11:30
		11:30	12:15
		12:15	4:00
		4:00	7:45
		7:45	8:00
		8:00	12:00

OTHER HOURLY OPERATING DETAIL WORK SCORE

CIRC TO CEMENT  
 Run Plug # 3 @ 4:00  
 W.O.C.

W.O.C.  
~~FEEL~~ FEEL plug # 3 @ 3:55  
 TRIP OUT TO 450  
 CIRC RIG B.F.  
 Run plug # 4  
 W.O.C. LAY DOWN PIPE

W.O.C.  
 Touch Plug # 4 @ 8:35  
 LAYDOWN PIPE & RIG OUT FLOOR.

MENTION THAT IS BEING SPECIAL FOR DETAILS AND TO BE NEARBY UNVARIES

Plug # 3 4:00 - 3:00

130 sac construction cement 2% CaCl<sub>2</sub> Displaced with 55 bbl mud - Plug in place 2:30 AM.  
 Plug # 3 felt at 3:55 at 10:00 AM.

Plug # 4 9:50 - 8:50

120 sac construction cement 3% CaCl<sub>2</sub>. Displaced with 12 bbl water  
 C.I.P. 12:00 PM

Plug # 4 felt at 8:35 at 7:45 PM.

Casing bowl removed  
 5 sac placed in surface casing  
 Plate welded on top and name plate to be installed when rig is moved off hole

Rig released at McLaughlin April 21/73  
 L. F. J. [Signature]

[Signature]  
 SIGNATURE COMPANY ENGINEER

**TOUR REPORT**

FIELD **EAGLE PLAINS** WELL NAME **GULL RIDGE** SEC **N67°** TAP **23"**  
 DRILLING  DEEPENING  COMPLETING **W 137°** **53'** **35"**  
 REDRILLING  ABANDONING  REWORKING **APRIL 1** 19**73**

CHEERON S  
 100

DRILLING ASSEMBLY		END OF MORNING TOUR		END OF DAYLIGHT TOUR		END OF AFTERNOON TOUR	
STANDS	D.P. NO	60	6215 FT	65	6134 3/4 FT	44	1105 3/4
SINGLE	D.P. NO		6189 FT	2			
X OVER SUB	O.D.						
OTHER	O.D.						
DRILL COLLARS	O.D.						
DRILL COLLARS	O.D. NO						
REAMER	O.D. KIND						
STABILIZER	O.D. KIND						
JARS	O.D. KIND						
BUMPER SUB	O.D. KIND						
BIT OR CORE BARREL							
TOTAL D.P. & TOOLS							
KELLY DOWN BELOW R.B.			693 FT				
DEPTH OF TOOLS			6131.00 FT				

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	6131 FEET		
DEPTH START OF TOUR			
FOOTAGE DRILLED			

DAY WORK	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

PUMP	S.P.M. / P.S.	
ROTARY SPEED	R.P.M.	
WEIGHT ON BIT	LBS.	
MUD WEIGHT	LB/GAL	9.7
VISCOSITY	SEC/CP	140
W.L.F.C.	CC/32ND	
pH		9.5
MUD LEVEL IN TANKS	FT. / IN.	

NO.	SIZE	SERIAL	BIT NO.	DATE	TIME	BY

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	F. REICHERT	W. S. GARCIA	
DERRICKMAN	J. CHANNING	J. S. GARCIA	
HELPER	R. F. ...	R. ...	
HELPER	W. ...	W. ...	
HELPER		W. S. GARCIA	
FIREMAN			
TOUR PUSHER	J. ...		

Soda Ash  
 Cement  
 Mixed slurry at 1 pm.  
 Displace  
 Plug #  
 Mixed slurry drilling  
 Plug #  
 6700  
 via W  
 Present

CHEVRON SOBC GULF RIDGE IT-FY8

OTHER HOURLY OPERATING DETAIL WORK DONE

1973	TIME	AMOUNT	AMOUNT	DESCRIPTION
		1200	110	W.O.D.
		100	600	LAY DOWN COLLARS & PICKUP PIPE.
3.4		600	800	TRIP IN.
		800	830	TRIP IN
		830	845	R.I.G. SOBC CHECK MOTOR SHUT OFFS.
		845	100	CIRK START AND RIG UP B.I
		100	200	RUN PULG #1
		200	300	PULL UP TO 4700. CLEAN UP
		300	400	B.I RIG UP SHALE
		400	410	RUN PULG #2.
		410		PULL OUT OIF PULG #2 CIRK
				U.D.C
	Soda Ash	200		

MINING, PETROLEUM AND RELATED INDUSTRIES INCLUDING ENGINEERING SUMMARIES

Cement Plug #1 6131 - 5555

160 sax construction cement

Mixed 160 sax construction cement with 13.5 skid unit slurry weight 15 1/4 gal. Started mixing 1:30 pm - finished mixing at 1:45 pm. Started displacing plug at 1:20 pm with drilling mud. Displaced with 83 bbls. Plug in place 1:45 pm

Plug #2 4700 - 4500

Mixed 145 sax construction cement 2% CaCl<sub>2</sub> to a slurry wt of 14.5 - 15 1/4 gal. Displaced plug with 64 bbls drilling mud. Plug in place 3:55 pm

Plug #2 felt at 4465 - 11:30 pm.

6700 gal fuel delivered to Whitefish from Gulf Ridge via White Pass

Present fuel on location 9500 gallons

J. F. Jewell  
SIGNATURE COMPANY ENGINEERS

# TOUR REPORT

FIELD **EAGLE PLAINS** WELL NAME **GOLF RIDGE** **N 67° W 137°** **23° 35'** **23° 35'** **1**  
 DRILLING  DEEPENING  COMPLETING **MAKCH 31** **073**  
 REDRILLING  ABANDONING  REWORKING

CHEVRON SO

DRILLING ASSEMBLY		END OF MORNING TOUR		END OF DAYLIGHT TOUR		END OF AFTERNOON TOUR	
STANDS	D.P.	NO	53 17 17 FT	57	53 17 17	60 62 75	
SINGLE	D.P.	NO	30 13	8	61 89	61 89	
X OVER SUB	O.D.		260		260		
OTHER	O.D.		300		300		
DRILL COLLARS	O.D.		48 8 43		48 8 43		
DRILL COLLARS	O.D.	NO	245 48		245 48		
REAMER	O.D.	KIND					
STABILIZER	O.D.	KIND					
JARS		KIND					
BUMPER SUB		KIND					
BIT OR CORE BARREL					61 18 60		
TOTAL D.P. & TOOLS					1300		
KELLY DOWN - BELOW R.B.			41 00			693	
DEPTH OF TOOLS			61 27 84		61 31 60	61 31 00	
TOUR		MORNING TOUR		DAYLIGHT TOUR		AFTERNOON TOUR	
DEPTH END OF TOUR			61 32		61 31	61 31	
DEPTH START OF TOUR							
FOOTAGE DRILLED							

DAY WORK		MORNING TOUR			DAYLIGHT TOUR			AFTERNOON TOUR		
		2:30 AM	4:00 AM	6:00 AM	7:00 AM	9:00 AM	12:00 AM	1:00 PM	3:00 PM	5:00 PM
PUMP	S.D.P. P.S.									
ROTARY SPEED	R.P.M.									
WEIGHT ON BIT	M.t.s.									
MUD WEIGHT	lb/gal				9.7	9.7	9.7			
VISCOSITY	sec/cst				77	75	72			
W.L.F.C.	32nd									
pH					9.5	9.5	9.5			
MUD LEVEL IN TANKS	FT. INCH									

Rig  
Pan  
Chev

NO.	SIZE	SERIAL	BIT KIND	TOOL TYPE	DEPTH	REMARKS
63	8 3/4	52807	XOU	H.W	7 1/2	6131 CLEAN OUT TRIP. (Ream) 57

CORE No.	No.	DST No.	FROM	TO	RECOVERY	HOURS
			PREFLOW	STOP		
			FROM	TO		
			TO	TO		
			RECOVERY	RECOVERY		

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	F REICHERT	Ed KRAWCHUK	
DERRICKMAN	J GUNNING	J SHANNON	
HELPER	R FURCHUK	R BREMENT	
HELPER	W. LUTKAE	W MALISE	
HELPER		NAT SAPHCH	
FIREMAN			
TOOL PUSHER			

CHEVRON SOBC GOLF RIDGE YT-K48

CHEMICALS ADDED

OTHER HOURLY OPERATING DETAILS  
WORK DONE

73

1200 800

LOGGING w/ PRESSER

800	900	1
900	1030	1 1/2
1030	1200	1 1/2
1200	1230	1/2
1230	130	1
130	200	1/2
200	400	2

Rig out logger rig  
 MAKE UP BIT TRIP IN  
 THAW OUT Kelly Hand Hose  
 CHANGE Kelly ~~Hand~~ ~~Hose~~ PUSHING  
 TRIP IN BRK GIRL AT 27 STAKE  
 CLEAN TO BIT 10 FT FILL  
 GIRL WORK PIPE

400 1000  
 1000 1200

GIRL WORK PIPE  
 TRIP OUT

REVISIONS TO THIS LOG SHOULD BE IN THE LOG DETAILS INCLUDING ENGINEERING SUMMARIES

Rigged out loggers  
 Ran in with bit to circulate & clean hole

Chevron Geologist skid unit & Deslater moved out

*L. J. [Signature]*  
 SIGNATURE COMPANY ENGINEER

# TOUR REPORT

FIELD **EAGLE PLAINS** WELL NAME **GOLF RIDGE** CONTRACTOR **NABORS** 1  
 DRILLING DEEPENING COMPLETING  
 REDRILLING ABANDONING REWORKING FOR 24 HOURS ENDING 12 M ON **MARCH 30 1973**  
 TWP 23" N 137" W 53" SEC 17" CHEVRON S

DRILLING ASSEMBLY	END OF MORNING TOUR		END OF DAYLIGHT TOUR		END OF AFTERNOON TOUR	
STANDS D.P. NO	53	1717 FT	53	1717 FT	53	1717
SINGLE D.P. NO	30	13 FT	30	13 FT	30	13
X OVER SUB O.D.	26	0 FT	26	0 FT	26	0
OTHER O.D.	3	00 FT	3	00 FT	3	00
DRILL COLLARS O.D.	488	43 FT	488	43 FT	488	43
DRILL COLLARS O.D. NO	245	48 FT	245	48 FT	245	48
REAMER O.D. KIND		FT		FT		
STABILIZER O.D. KIND		FT	403	FT		
JARS O.D. KIND		FT	986	FT		
BUMPER SUB O.D. KIND		FT		FT		
BIT OR CORE BARREL		FT		FT		
TOTAL D.P. & TOOLS		FT	6100	66 FT		
KELLY DOWN BELOW R.B.	4100	FT	3100	FT	4100	
DEPTH OF TOOLS	6127	84 FT	6131	66 FT	6127	74
TOUR	MORNING TOUR		DAYLIGHT TOUR		AFTERNOON TOUR	
DEPTH END OF TOUR	6131	FEET	6132	FEET	6132	
DEPTH START OF TOUR		FEET	6132	FEET	6132	
FOOTAGE DRILLED		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
PUMP S.P.M. P.S.I.	/							
ROTARY SPEED R.P.M.								
WEIGHT ON BIT M lbs								
MUD WEIGHT lb gal								
VISCOSITY sec qt								
WL F.C. cc 32nd	/							
pH								
MUD LEVEL IN TANKS Ft. Ins								

NO.	SIZE	SERIAL	BIT KIND AND TYPE	BIT SIZES	TOOL JOBS	REMARKS

CORE TYPE	No.	No.	DIST No.	GRUN	DEPTH	REMARKS
FROM						
TO						
RECOVERY HOURS						

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	F. REICHERT	ED KRAWCHUK	
DERRICKMAN	J. GUNNING	J. SHANNON	
HELPER	R. FILIPCHUR	R. BREMENT	
HELPER	W. KUCIKAR	L. MACHISE	
HELPER		NAT SAPPACH	
FIRMAN			
TOOL PUSHER			

CHEVRON SOBC GALE RIDGE YT-448

OTHER HOURLY CREATING DETAIL WORK DONE

1973	Kind	Amount	
		1200	800 Logging
17			
13			
60			
00			
43			
48			
		300	400 Logging w/ Dresser
			High Gear But's Ground-Math
			High Gear, Pins in BARKES
00			
74		400	1200 Logging w/ Dresser

REMARKS: LIST ALL MATERIALS USED IN TOTALS, INCLUDING ENGINEERING SUMMARIES

T. D. Dresser Atlas by logging Tools 6132

Ran Dresser 6122 - 882 2" x 5" scales  
 " ESN 6122 - 882 2" x 5" scales

*L. F. Grumbly*  
 SIGNATURE COMPANY ENGINEER



# TOUR REPORT

CONTRACT NO. 11423 RS

FIELD LACKY WELL NAME CURT RIDGE LSI A 67 SE 17 TAP 23

(1) DRILLING (2) DEEPENING (3) COMPLETING  
 (4) REDRILLING (5) ABANDONING (6) REWORKING FOR STARTS ENDING MARCH 21 1954

DRILLING ASSEMBLY		END OF MORNING TOUR				END OF DAYLIGHT TOUR				END OF AFTERNOON TOUR			
STANDS	D.P.	NO. 7	5	31	71	60	NO.						
SINGLE	D.P.	NO. 1			20	13	NO.						
X OVER SUB	O.D.				26	0							
OTHER	O.D.				30	0							
DRILL COLLARS	6 3/4 O.D.	16			49	8	13						
DRILL COLLARS	6 3/4 O.D.	NO. 8			24	5	45						
REAMER	O.D.	KIND											
STABILIZER	O.D.	KIND			40	3							
<del>WARS</del> SHOCK		KIND			48	6							
BUMPER SUB		KIND											
BIT OR CORE BARREL													
TOTAL D.P. & TOOLS					61	00	6	6					
KELLY DOWN BELOW R.B.					31	0	0						
DEPTH OF TOOLS					61	31	0						

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	6131 FEET		
DEPTH START OF TOUR		6131 FEET	
FOOTAGE DRILLED			

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	/											
ROTARY SPEED												
WEIGHT ON BIT												
MUD WEIGHT												
VISCOSITY												
W.L.F.C.	/											

p.H.		MUD LEVEL IN TANKS	
NO.	SIZE	FEET	INCHES
62	8 3/4	913716	

NO.	SIZE	SERIAL	BIT KIND AND TYPE	FEET	INCHES	NO.	SIZE	SERIAL	BIT KIND AND TYPE	FEET	INCHES
62	8 3/4	913716	SEC - H-100	3-13	47 3/4	6019	6131	112			

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

SIGNATURES:	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	L. CLEMENTS	ED KRAWCHUK	E. REICHERT
DERRICKMAN	A. MIKE	J. SHANNON	J. GUNNING
HELPER	L. BACH	R. BREWSTER	R. FILIPCHUK
HELPER	K. SOMMER	L. MACHISE	W. LUTIKAE
HELPER	N. BARNES	NAT SHPACH	
FIREMAN			
TOOL PUSHER	D. Woodbury		

Tour  
 Ran  
 Re

# TOUR REPORT

CONTRACT NO. **NUMBERS**

FIELD **ELBERT** WELL NAME **CURT RIDGE** USD A 67 SEC 19 TWP 23

DRILLING  DEEPENING  COMPLETING

REDRILLING  ABANDONING  REWORKING

DATE OF TOURS ENDING 12:00 P.M. **MARCH 21** 19**54**

DRILLING ASSEMBLY		END OF MORNING TOUR			END OF DAYLIGHT TOUR			END OF AFTERNOON TOUR							
STANDS	D.P.	NO 7	5	31	71	1	FT	NO							
SINGLE	D.P.	NO 1			20	13	FT	NO							
X OVER SUB	O.D.				26	0	FT								
OTHER	O.D.				30	0	FT								
DRILL COLLARS	6 1/4 O.D.	16			49	8	13	FT							
DRILL COLLARS	6 3/4 O.D.	NO 8			24	5	48	FT							
REAMER	O.D.	KIND						FT							
STABILIZER	O.D.	KIND			40	3		FT							
<del>JARS</del> SHOCK		KIND			48	6		FT							
BUMPER SUB		KIND						FT							
BIT OR CORE BARREL								FT							
TOTAL D.P. & TOOLS					61	0	06	6	FT						
KELLY DOWN (BELOW R.B.)					31	0	0	FT							
DEPTH OF TOOLS					61	31	0	FT							

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	6131		
DEPTH START OF TOUR		6131	
FOOTAGE DRILLED			

	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									
ROTARY SPEED									
WEIGHT ON BIT									
MUD WEIGHT									
VISCOSITY									
W.L.F.C.									
p.H.									
MUD LEVEL IN TANKS									

NO.	SIZE	SERIAL	BIT KIND	WELL TYPE	REVISED	WELL	DATE	NO.	DATE
62	8 3/4	4913716	SEC.	H-100	3-13	A7 3/4	6019	6131	112
									2-2-1

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

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	L. CLEMENTS	ED KARWICHUK	E. RECHERT
DRILLERMAN	A. MIKE	J. SHANNON	J. GUNNING
HELPER	A. BACH	R. BRENIOT	R. FILIPCHUK
HELPER	K. SOMMER	L. MACKISE	W. LUCTIKAB
HELPER	N. BARNES	NAT SAMPACH	
FIREMAN			
TOOL PUSHER	D. [Signature]		

Tr  
R  
Re

DATE: 11-48

OTHER HOURLY OPERATING DETAIL WORK DONE

MUD & CHEMICALS ADDED	From	To	OTHER HOURLY OPERATING DETAIL WORK DONE
TOUR 1	1200	1215	RIG SERVICED & RE-DRILL
	1215	1230	COMP SURVEY 6131 - 112
	1230		TRIP OUT TO RIG - DOWN STAIRS
	1300	1315	CHECK-OUT & CHANGE TACKLE POSITIONS
	1345	1400	RIG UP LOGGERS
			LOGGING w/ DRESSER ATLAS
✓ BRAND-RAMS, KELLY-COCK + MOTOR-KILLS ✓ OK.			
TOUR 2	800	900	LOGGING w/ DRESSER ATLAS
TOUR 3	400	1200	LOGGING w/ DRESSER ATLAS

SEVENING, TRIPING, FISHING, SPECIAL JOB DETAILS, INCLUDING ENGINEERING SUMMARIES

Test Running DIEL - couldn't get a log

Ran Acoustilog - Gamma Ray

Acoustilog

Interval 6123-882 - 2" 15" scales

Gamma Ray

Lat 6123-50 - 5" scale

Lat 6123-882 - 2" scale

T.D. Dresser Atlas 6132.

Re Ran DIEL

Interval 6122-882 - 2" 15" scales

*[Signature]*  
SIGNATURE COMPANY ENGINEER

# TOUR REPORT

CONTRACTOR **WABORS** WELL NAME **GULF RIDGE** HOLE NO **167** SEC **23** TWP **23**  
 FIELD **FAIR PLAY** DRILLING  DEEPENING  COMPLETING   
 REDRILLING  ABANDONING  REWORKING FOR 24 HOURS END DATE **MARCH 28** 1973

DRILLING ASSEMBLY	END OF MORNING TOUR			END OF DAYLIGHT TOUR			END OF AFTERNOON TOUR		
	STANDS	D.P.	NO	STANDS	D.P.	NO	STANDS	D.P.	NO
STANDS			531713						531713
SINGLE									3013
X OVER SUB			260			260			260
OTHER			300			300			300
DRILL COLLARS			48843			48843			48843
DRILL COLLARS			24548			24548			24548
REAMER									
STABILIZER			403			403			403
JARS			986			986			986
BUMPER SUB									
BIT OR CORE BARREL									
TOTAL D.P. & TOOLS			604053			610066			610066
KELLY DOWN BELOW RB			3800			2600			3100
DEPTH OF TOOLS			610953			612666			613166
TOUR	MORNING TOUR			DAYLIGHT TOUR			AFTERNOON TOUR		
DEPTH END OF TOUR			6109			6126			6131
DEPTH START OF TOUR			6090			6108			6126
FOOTAGE DRILLED			18			18			5

DAY WORK	HOURS				HOURS				TOTAL
	2:00 AM	4:00 AM	6:00 AM	8:00 AM	10:00 AM	12:00 AM	2:00 PM	4:00 PM	
PUMP	60 1050	60 1050	60 1050	60 1050	60 1050	60 1050	60 1050	60 1050	
ROTARY SPEED	40	40	40	40	40	40	40	40	
WEIGHT ON BIT	45	45	45	45	45	45	45	45	
MUD WEIGHT	9.7	9.7	9.7	9.7	9.6	9.7	9.6	9.7	
VISCOSITY	62	81	77	76	78	77	75	77	
W L F C					9.5				
D.H.	9.5		9.5		9.5		9.5	9.5	
MUD LEVEL IN TANKS									11.0

NO.	SIZE	SERIAL	BIT KIND AREA TYPE	REV. 2/15 24 32	STARTING TIME	STOP TIME	FOOTAGE	REMARKS
62	8 3/4	913716	SEC H-100	3-13	37	6012	6008	84 IN
62	8 3/4	913716	SEC H-100	3-13	41 3/4	6014	6126	107 IN
62	8 3/4	913714	SEC H-100	3-13	47 3/4	6019	6131	112 IN

CORE No.	No.	DIST No.	FROM	TO	REMARKS

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	Ed Krawchuk	L. CLEMENT	Ed Krawchuk
DERRICKMAN	I SHANNON	A. MIKE	I SHANNON
HELPER	R BRENIANT	R. J. and	R BRENIANT
HELPER	L MACHISE	K. JAMES	L MACHISE
HELPER	NAT SAPACH	N. BARNES	NAT SAPACH

TOUR  
 GET RADIUM  
 TOUR 3

SMIT

CHEVRON SUBC GULF RIDGE YTF-48

OTHER HOURLY OPERATING DETAIL  
WORK DONE

MUD & CHEMICALS ADDED		From	To	OTHER HOURLY OPERATING DETAIL WORK DONE
Rate	Amount			
TOUR		1200	100	DRILL 8 3/4" HOLE
GEL	1100	100	110	RIG SERVO
RAPIDRILL	4#	110	2	DRILL
TOUR 2		800	845	DRILL 8 3/4" HOLE
		845	900	RIG SERVO - 2 1/2" SWIVEL
		100	400	DRILL 8 3/4" HOLE
TOUR 3		400	700	DRILL
		700	715	RIG - SERVO HYDRIL
		715	900	20 STAKE DUMPY TRIP.
		900	1200	CIRCU TO BEQ.

REDUCED PUMP RATE 30 S.P.M. 200 G.P.M. 275 P.P.

PLANNING, TESTING, FINISHING, ETC. FOR DETAILS INCLUDING ENGINEERING SUMMARIES

SHUT DOWN ALCOHOL UNIT DURING DITA.

Transmittal

*[Handwritten Signature]*

SIGNATURE COMPANY ENGINEER

CHEVRON SOBLO PULF KISHE X1 11/11

OTHER HOLES, BEATING, ETC. (TALE)  
WORK DONE

973  
R  
3  
0  
3  
8  
3  
4  
3  
5  
3  
0  
1050  
40  
45  
0  
1/4

AMOUNT OF CHEMICALS ADDED	From	To
1200*	1200	330
4*	330	345
	345	
CASTIC-100#	730	115
	115	1100
	1100	
	400	545
	545	600
	600	700
	700	1200

WORK  
TIL 10:30  
C-MAFIC PULF 110 BARS  
WORK  
  
DRILL 5 1/2" HOLE  
KIL SERU B.C.P.  
SURVEY & 6062  
DRILL 5 1/2" HOLE  
  
DRILL 5 1/2" HOLE  
KIL SERU B.C.P.  
SURVEY & 6070 & 774  
DRILL 5 1/2" HOLE

PRODUCED FLUID RATE 303.P.M

110 LMM 215 P.S.I

WORKING TO BE DONE OR DETAILS INCLUDING ENGINEERING SUMMARIES

ALCOHOL CIRCULATING UNIT -

AMBIENT +21°F  
RETURNS +24°F

*[Signature]*  
SIGNATURE COMPANY ENGINEER

# TOUR REPORT

CONTRACT NO. *NABORS*

FIELD *EAGLE WINGS* WELL NAME *GOAT RIDGE* NO. *1267* SEC. *17* TWP. *23*

DRILLING  DEEPENING  COMPLETING

REDRILLING  ABANDONING  REWORKING FROM HOURS ENDING *MARCH 26* 1972

DRILLING ASSEMBLY		END OF MORNING TOUR		END OF DAYLIGHT TOUR		END OF AFTERNOON TOUR	
STANDS	D.P.	NO. <i>54</i>	<i>522</i> <i>268'</i> FT.	NO. <i>54</i>	<i>222</i> <i>268'</i> FT.	NO. <i>54</i>	<i>522</i> <i>268'</i> FT.
SINGLE	D.P.	NO.		NO. <i>1</i>	<i>31</i> <i>49'</i> FT.		<i>31</i> <i>49'</i> FT.
X OVER SUB	O.D.		<i>260'</i> FT.		<i>260'</i> FT.		<i>260'</i> FT.
OTHER	O.D.		<i>300'</i> FT.		<i>300'</i> FT.		<i>300'</i> FT.
DRILL COLLARS	O.D.	<i>6 1/4</i>	<i>14</i> <i>488</i> <i>43'</i> FT.		<i>488</i> <i>43'</i> FT.		<i>488</i> <i>43'</i> FT.
DRILL COLLARS	O.D.	NO.	<i>245</i> <i>48'</i> FT.	NO.	<i>245</i> <i>48'</i> FT.	NO.	<i>245</i> <i>48'</i> FT.
REAMER	O.D.	KIND					
STABILIZER	O.D.	KIND	<i>403'</i> FT.		<i>403'</i> FT.		<i>403'</i> FT.
JARS	O.D.	KIND	<i>986'</i> FT.		<i>986'</i> FT.		<i>986'</i> FT.
BUMPER SUB	O.D.	KIND	<i>265'</i> FT.				
BIT OR CORE BARREL							
TOTAL D.P. & TOOLS			<del><i>6007</i></del> <i>75'</i> FT.		<i>6007</i> <i>57'</i> FT.		<i>6007</i> <i>57'</i> FT.
KELLY DOWN BELOW R.B.			<i>4000'</i> FT.		<i>1343'</i> FT.		<i>3300'</i> FT.
DEPTH OF TOOLS			<i>6019</i> <i>00'</i> FT.		<i>6021</i> <i>00'</i> FT.		<i>6040</i> <i>00'</i> FT.
TOUR		MORNING TOUR		DAYLIGHT TOUR		AFTERNOON TOUR	
DEPTH END OF TOUR		<i>6014'</i> FEET		<i>6021'</i> FEET		<i>6040'</i> FEET	
DEPTH START OF TOUR		<i>6007'</i> FEET		<i>6014'</i> FEET		<i>6021'</i> FEET	
FOOTAGE DRILLED		<i>12'</i> FEET		<i>2'</i> FEET		<i>19'</i> FEET	

REDUCED

6 1/4  
REDRILL

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	
PUMP	PSI	<del><i>60</i></del> <i>1000</i>	<del><i>60</i></del> <i>1000</i>				<i>60</i> <i>1000</i>	<i>60</i> <i>1000</i>	<i>60</i> <i>1000</i>
ROTARY SPEED	R.P.M.	<i>60</i>	<i>60</i>				<i>40</i>	<i>40</i>	<i>40</i>
WEIGHT ON BIT	LBS.	<i>30</i>	<i>30</i>				<i>45</i>	<i>45</i>	<i>45</i>
MUD WEIGHT	LB/BU	<i>9.7</i>	<i>9.7</i>				<i>9.6</i>	<i>9.7</i>	<i>9.7</i>
VISCOSITY	CP	<i>65</i>	<i>67</i>				<i>65</i>	<i>64</i>	<i>61</i>
W.L.F.C.	SPM						<i>11.0</i>	<i>10.6</i>	<i>10.3</i>
PH			<i>9.0</i>				<i>9.5</i>	<i>9.5</i>	
MUD LEVEL IN TANKS	FT. IN								

ANALYSIS

STRAP - 6  
BOARD - 6

NO.	SIZE	SERIAL	BIT NO.	TYPE	DATE	TIME	DEPTH	DEPTH	DEPTH
<i>61</i>	<i>8 3/4</i>	<i>4169838</i>	<i>REED</i>	<i>SEUG</i>	<i>3-13</i>	<i>11:59</i>	<i>5984</i>	<i>6014</i>	<i>35</i>
<i>62</i>	<i>8 3/4</i>	<i>413716</i>	<i>SEC</i>	<i>H-100</i>	<i>3-13</i>	<i>1/2</i>	<i>6014</i>	<i>6021</i>	<i>2</i>
<i>62</i>	<i>8 3/4</i>	<i>413714</i>	<i>SEC</i>	<i>H-100</i>	<i>3-13</i>	<i>8 1/4</i>	<i>6014</i>	<i>6040</i>	<i>21</i>

SIGNATURE	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	<i>ED KIRALUCHUK</i>	<i>L. CLEMENTS</i>	
DEPT. HEAD	<i>J SHANNON</i>	<i>A. MIKE</i>	<i>6 1/4</i>
HELPER	<i>R BREMONT</i>	<i>L. BAIH</i>	
HELPER	<i>L. MACHISE</i>	<i>K. SUMMER</i>	
HELPER	<i>WAT SARNIA</i>	<i>N. BARNES</i>	
FIREMAN			
TOOL PULLER			

CHECKED 2. 3. 4.

OTHER HOLES OPERATING (DATE)  
WORK DONE

072  
R  
5 FT  
9 FT  
0 FT  
0 FT  
3 FT  
8 FT  
3 FT  
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98  
99  
100

TIME	DEPTH	TEMP	TEMP	REMARKS
	1200	345		DRILLING
	345	400		TRIP SERVO HYDRA
	400	515		CIRC TO CORE
	515	530		SURVEY
	530	500		SHOW RAMP WITH OUT SWM
	500	515		RIL SERVO & B. CIPS
	515	400		TRIP OUT (S.L.M.) & BLIND RAMS
	400	100		WORK ON CONTROL PANEL - ROTARY TORQUE
	100	305		TRIP IN W/ BIT #62
	305	330		BRK. CIRC. UNIT TO BTM (NO FILL)
	330	400		DRILL 5 3/4" HERE
REDUCED PUMP RATE 305 P.M. 110 C.P.M. 325 P.S.I.				
	400	415		K.4 SERVO
	415	1200		DRILL
	1000*	415		
	4*			

ALCOHOL CIRC. UNIT - AMBIENT +3°F  
 RETURNS +16°F

STRAP - 6020.66  
 BOARD - 6019.30  
 1.36 DIFF. NO CORR MADE

SIGNATURE COMPANY ENGINEER



# TOUR REPORT

WABOPS

FIELD EAHLE PLAINS WELL NAME GULF R. 1 DATE MARCH 25 1972  
 L DRILLING ( ) DEEPENING ( ) COMPLETE ( )  
 R DRILLING ( ) ABANDONING ( ) REWORKING ( )

DRILLING ASSEMBLY	END OF MORNING TOUR		END OF DAYLIGHT TOUR		AFTERNOON TOUR	
STANDS	51	2848	51	2848	55	2848
SINGLE	6	169	2	263	56	22268
X-OVER SUB		26.6		260		260
OTHER		300	BIT SUB	300		300
DRILL COLLARS (6 1/4)	18	48843	16	6 1/4 48843		48843
DRILL COLLARS (6 3/4)	8	24548	8	6 3/4 24548		24548
REAMER						
STABILIZER		403	STAB	403		403
<del>JACK</del> SHOCK		986	SHOCK-SUB	986		986
BUMPER SUB			JUNK-SUB	265		265
BIT OR CORE BARREL						
TOTAL DP & TOOLS	5943	57	5147	16	5979	73
KELLY DOWN BELOW RR	3900		3684		2900	
DEPTH OF TOOLS	5981	57	5984	00	6007	73
TOUR	MORNING TOUR		DAYLIGHT TOUR		AFTERNOON TOUR	
DEPTH END OF TOUR	5981	FEET	5984	FEET	6007	FEET
DEPTH START OF TOUR	5961	FEET	5981	FEET	5984	FEET
FOOTAGE DRILLED	20	FEET	3	FEET	23	FEET

DAY WORK	2:30 AM	4:00 AM	5:30 AM	7:00 AM	8:30 AM	10:00 AM	11:30 AM	1:00 PM	2:30 PM	4:00 PM	5:30 PM
PUMP	60	60	60	60	60	60	60	60	60	60	60
ROTARY SPEED	60	60	60	60	60	60	60	60	60	60	60
WEIGHT ON BIT	25	25	25	30	30	30	30	30	45	45	45
MUD WEIGHT	9.7	9.7	9.7	9.7	9.7*	9.7*	9.7*	9.7	9.7	9.7	9.7
VISCOSITY	63	61	60	70	80	80	80	69	78	72	64
W.L.F.C.				10 1/2	12	12	12	10 1/2	13 1/2	13 1/2	13 1/2
pH	9.5			9.5				9.5	9.5	9.5	9.5

✓ REDUC  
 ✓ MOTO  
 A SING  
 ON THE TOUR  
 IT WOULD  
 WORK INTO  
 BIT #60  
 INSET IN  
 FROM BEING

NO.	SIZE	SERIAL	BIT KIND AND TYPE	START	STOP	DEPTH
60	8 3/4	1208906	REED F.H.C.	3-13	12	5952-5981 29
60	8 3/4	705406	REED F.H.C.	3-13	14 1/4	5752-5984 32
61	8 3/4	469838	REED SUBG	3-13	7 1/4	5484-6007 23

SIGNATURE	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	Ed KORNWICH	L. CLEMENTS	
DE DRILLER	J SHANNON	A. KIFKE	
HELPER	R BREMONT	L. BAICH	
HELPER	L MARLISE	N. BARNES	
HELPER	WAT SAPHKA	K. SOMMER	
FOURMAN			
PUSHER			

31  
 92  
 20  
 20.70

DRIP 5484.6 1/2'

ED KORNWICH

CHECKOUT SUR- 3-11-68 RIGID Y 11-43

WELL HEADS ADDED

WELL HEADS, RELATING DETAIL WORK DONE

12:00	415
415	430
430	800
1200	430
4	4
53	53

WATER  
RIG SURV. 11-43  
DRUG

210	415
415	430
430	745
745	1230
1230	115
115	345
345	400
400	415
415	445
445	1200

DRUG 8 3/4" HOLE  
PUMP SURVEY @ 5159 - 6 1/2"  
RIG SURV. & MOTOR-KILLS + CROWN-O-MATE  
TRIP OUT (LAY DOWN DAMAGED SINGLE)  
BLIND RAMS, SHOULDER-SUB, GAGE STAB.  
MAKE-UP BIT # 761 + JUNK-SUB  
TRIP IN LAY-DOWN 4 SINGLES THIN-BOXE  
PICK-UP 5 SINGLES & RACKS  
RIG SURV. - B.C. 1 1/2"  
BRK. CIRC. UNIT TO BTM WORK JUNK-SUB  
DRUG 8 3/4" HOLE

✓ REDUCED PUMP RATE @ 30 SPM 180 G.P.M 300 PSI  
✓ MOTOR KILLS + KELLY-LOCK ✓ O.K

A SINGLE (876'KB WHEN BIT @ 5981) SHOWED CUTTING ON THE TUBE JUST ABOVE THE PIN OVER A 3' SECTION. IT WOULD APPEAR THAT THE CASING SHOE IS BEING WORN INTO A KEYSLOT.

BIT #60 BADLY WORN ON GAUGE TEETH. GAUGE BUTTONS INSET IN OUTSIDE OF CONE ONLY THING THAT PREVENTED BIT FROM BEING UNDER GAUGE

*R. L. Brown*

SIGNATURE COMPANY ENGINEER

**TOUR REPORT**

CONTRACTOR **WABORS** PAGE 1

FIELD **EAGLE PLAINS** NAME **Gulf Ridge** SEC **N67** RCP **17** TWP **23**

[ ] DRILLING [ ] DEEPENING [ ] COMPLETING

[ ] REDRILLING [ ] ABANDONING [ ] REWORKING

EST. NO. **WABORS 24** DATE **11/24/73**

DRILLING ASSEMBLY	END OF MORNING TOUR		END OF DAYLIGHT TOUR		END OF AFTERNOON TOUR	
STANDS	D.P.	NO	512848	NO	512848	NO
SINGLE	D.P.	NO		NO	3151	
X OVER SUB	O.D.		260		260	260
<b>BIT Sub</b>	O.D.		300		300	300
DRILL COLLARS	O.D.	NO	48843	NO	48843	48843
DRILL COLLARS	O.D.	NO	24548	NO	24548	24548
REAMER	O.D.	KIND				
STABILIZER	O.D.	KIND	403		403	403
JABS	O.D.	KIND	984		984	984
BUMPER SUB	O.D.	KIND				
BIT OR CORE BARREL	O.D.	KIND				
TOTAL D.P. & TOOLS			591339		591339	594357
KELLY DOWN BELOW R.P.			24		3861	1800
DEPTH OF TOOLS			593739		595200	596157
TOUR	MORNING TOUR		DAYLIGHT TOUR		AFTERNOON TOUR	
DEPTH END OF TOUR			5937		5952	5961
DEPTH START OF TOUR			5922		5937	5952
FOOTAGE DRILLED			15		15	9

DAY WORK	HOURS											
	12 AM	1 AM	2 AM	3 AM	4 AM	5 AM	6 AM	7 AM	8 AM	9 AM	10 AM	11 AM
PUMP	60	60	60	60	60	60	60	60	60	60	60	60
ROTARY SPEED	65	65	65	65	65	65	50				45	50
WEIGHT ON BIT	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800
MUD WEIGHT	9.2	9.4	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
VISCOSITY	102	93	88	73	72	70					67	69
W.L.F.C.		100	100	100	100	100					100	100
pH		9.5	9.0	1.5							9.5	
MUD LEVEL IN TANKS												

NO.	SIZE	SERIAL	BIT & TOOL JOINT TYPE	DEPTH	TOUR	DEPTH	TOUR
54	8 3/4	442381	DM SEC	7 1/2	10	5922	5937
59	8 3/4	44238	DM SEC	7 1/2	10 3/4	5922	5952
60	8 3/4	205906	REED FHG	3-13		5952	

CORE NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.
TYPE							
FROM							
TO							
REMARKS							
HOURS							

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	<b>Ed KIRKWICHUK</b>	<b>h. CLEMENTS</b>	
DERRICKMAN	<b>J SHANNON</b>	<b>A. LITRE</b>	<b>TOTCO 5922 7</b>
HELPER	<b>R BREMONT</b>	<b>Mr Blich</b>	<b>DRCD 5952 6 1/4</b>
HELPER	<b>A MACHISE</b>	<b>K. SOMMER</b>	
HELPER	<b>WAT SAPPACH</b>	<b>N. BARNES</b>	
FIREMAN			
TOOL PUSHER			



**TOUR REPORT**

WABORS

1

CHEF

FIELD *Eagle Plains* WELL NAME *Oil Ridge* NO. *167* H. *17* TOP *23*

DRILLING  DEEPENING  COMPLETING  
 REDRILLING  ABANDONING  REWORKING TOP OF WELL *MINFL 23* 1973

DRILLING ASSEMBLY	END OF MORNING TOUR		END OF DAYLIGHT TOUR		END OF AFTERNOON TOUR		
STANDS	NO	5128	48	NO	5126	48	
SINGLE	NO						
X-OVER SUB		260		260		260	
OTHER <i>Bit Sub</i>		300		300		300	
DRILL COLLARS	NO	16	488	43	488	43	
DRILL COLLARS	NO	8	245	48	245	48	
REAMER							
STARLIZER		403		403		403	
JARS							
<i>Snook</i>		986		986		986	
BIT OR CORE BARREL							
TOTAL DP & TOOLS				5881	88	5881	88
KELLY DOWN BELOW RR		148		341		200	
DEPTH OF TOOLS		5892	88	5916		5922	88
TOUR	MORNING TOUR			DAYLIGHT TOUR		AFTERNOON TOUR	
DEPTH END OF TOUR	5895	FEET		5916	FEET	5923	
DEPTH START OF TOUR	5882	FEET		5875	FEET	5916	
FOOTAGE DRILLED	13	FEET		21	FEET	6	

GEOL. R.D.

RECORDED

DAY WORK	2:30 AM	4:00 AM	5:30 AM	7:00 AM	8:30 AM	10:00 AM	11:30 AM	1:00 PM	2:30 PM	4:00 PM
PUMP	60	60	60	60	60	60	60	60	60	60
ROTARY SPEED	50	50	50	50	50	50	48	55		
WEIGHT ON BIT	15	15	15	18	18	18	25	30		
MUD WEIGHT	9.0	9.6	9.7	9.7	9.7	9.6	9.0	9.6		
VISCOSITY	83	74	67	70	62	62	83	75		
W.L.F.C.			106	9.1	2					
pH			9.5	9.5		9.5	9.5			
MUD LEVEL IN TANKS										

MIP

NO.	SIZE	SERIAL	BIT	NO.	START	STOP	FEET
58	8 3/4	M5208	SMITH	4JS	3/13	5/4	5882-5895 13
58	8 3/4	M5208	SMITH	4JS	3/13	13	5882-5916 34
58	8 3/4	M5208	SMITH	4JS	3/13	15 1/2	5882-5923 41

8  
97  
74  
44  
28  
31  
5/15  
9.1  
9.0  
30  
280

SIGNATURE	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	Ed KRAWCHUK	A. CLEMENTS	
DE BRICKMAN	J SHANNON	A. LITKE	
HELPER	R BREMONT	L. BAICH	
HELPER	L MACHIE	K. SCHMER	
HELPER	NAT SAPACH	N. BARNES	
FOREMAN			
TOOL PUSHER			

ALCOHOL SIG  
Ambien

CHEVRON SUBC GULF RIDGE VTF-48

OTHER HOURLY OPERATING CLEAN WORK DONE

TIME	AMOUNT OF CHEMICALS ADDED	From	To	OTHER HOURLY OPERATING CLEAN WORK DONE
9:23		1200	1215	R14 SERVO BLIND TAMS
10	FOUR	1215	245	MAKE UP BIT # 24 ROW IN 12.0
8		245	8:00	DRAG 8 3/4 HOLE
0				
0				
3				
8				
3	CEL R.D	8:00	11:00	DRAG 8 3/4 HOLE
6		11:00	11:15	RIC SERVO & B.O.P
8		11:15		DRAG 8 3/4 HOLE
0	REDUCED PUMP RATE	30 SPM	300 P.P.	200 G.P.M.
8		4:00	6:30	DRAG 8 3/4 HOLE
		6:30	6:45	DRAG SURVEY @ 5922
		6:45	9:45	TRIP OUT
		9:45	10:00	R14 SERVO BLIND TAMS
		10:00	10:45	MAKE UP BIT # 24 ROW IN 12.0
		10:45	12:00	SLIP @ CUT LINE

REVISIONS TO THIS DRAWING SHALL BE IN DETAIL INCLUDING ENGINEERING COMMENTS

5/15  
9.1  
9.0  
30  
280

ALCOHOL AIR UNIT -  
AMBIENT -12°F RETURNS +4°F

*[Signature]*  
SIGNATURE COMPANY ENGINEER

# TOUR REPORT

CONTRACTOR **NABOES DRIG** NO. **1**

FIELD **ENGLE PLAINS** WELL NAME **AULF RIDGE**

ESP **N 67° W 137'** SEC **17'** TWP **23" 35"**

CHEVRON SOB

DRILLING  DEEPENING  COMPLETING  
 REDRILLING  ABANDONING  REWORKING

EST. OF HOURS ENDING **MARCH 22 1973**

DRILLING ASSEMBLY		END OF MORNING TOUR			END OF DAYLIGHT TOUR			END OF AFTERNOON TOUR											
STANDS	D.P.	NO	50	34	46	FT	NO 54	50	34	46	FT	NO	50	34	46	FT			
SINGLE	D.P.	NO		30	83	FT	NO 2		62	59	FT	NO		62	59	FT			
X-OVER SUB	O.D.			2	60	FT	X-O SUB		2	60	FT			2	60	FT			
OTHER <b>Bit Sub.</b>	O.D.			3	00	FT	BIT-SUB		3	00	FT			3	00	FT			
DRILL COLLARS	O.D.			4	88	43	FT			4	88	43	FT			4	88	43	FT
DRILL COLLARS	O.D.	NO		2	45	48	FT	NO		2	45	48	FT	NO		2	45	48	FT
REAMER	O.D.	KIND				FT	KIND				FT	KIND				FT			
STABILIZER	O.D.	KIND		4	03	FT	KIND		4	03	FT	KIND		4	03	FT			
JARS	O.D.	KIND				FT	KIND				FT	KIND				FT			
<del>WIPER SUB</del>	O.D.	KIND		9	86	FT	KIND		9	86	FT	KIND		9	86	FT			
BIT OR CORE BARREL						FT					FT					FT			
TOTAL D.P. & TOOLS						FT		5	85	04	5		5	85	04	5			
KELLY DOWN - BELOW R.B.				1	1	31	FT			2	6	4	5						
DEPTH OF TOOLS			5	8	3	0	00	5	8	6	5	00	5	8	8	3	00		

TOUR  
**GEN**  
**RAPID-DRILL**  
**C.M.C.**  
**AUSTIC**

DAY WORK	HOURS											
	2:00 AM	4:00 AM	6:30 AM	9:00 AM	11:30 AM	2:00 AM	4:30 PM	7:00 PM	9:30 PM	12:00 AM	2:30 AM	5:00 AM
PUMP	60	60	60	60	60	60	60	60	60	60	60	60
ROTARY SPEED	TR	80	80	80	80	80	80	80	80	80	80	80
WEIGHT ON BIT	P	16	18	18"	18"	18"	18"	18"	18"	18"	18"	18"
MUD WEIGHT		9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
VISCOSITY		80	72	75	71	70	65	60				
W.L.F.C.					11	11	11	11				
p.H.		9.0	9.0	9.0	9.5							

REDUCE

NO.	SIZE	SERIAL	BIT KIND	WELL TYPE	EST. SIZE	EST. DEPTH	EST. TIME	EST. TIME	EST. TIME
56	8 3/4	913568	SEC	DMT	2 1/3 1/4	16 3/4	5764	5815	51
57	8 1/4	52807	H.W.	XDU	2 1/3 1/4	10 1/4	5815	5865	50
57	8 3/4	52807	H.W.	XDU	2 1/3	14 3/4	5815	5887	87

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	F. REICHERT	L. CLEMENTS	E. KRANICHUK
DETRICKMAN	J. GUNNING	A. LITKE	J. SHANNON
HELPER	R. FILIPCHUK	H. BAILEY	R. BREMENT
HELPER	W. LUOTKAR	K. SCHUMER	L. WACHS
HELPER	A. KOROVY	N. BARNES	M. SPACH
FIREMAN			
TOOL PULLER			

Alcohol  
 Ambient  
 Retunay

CHEVRON SOBC GULF RIDGE 17-F48

OTHER HOURLY OPERATING DETAIL WORK DONE

DEPTH	MUD	CHEMICALS ADDED	From	To
973			1200	1215
TRIP			1215	215
6 FT	GEL	530	215	230
9 FT	R. ADRIAN	2#	230	430
0 FT			430	800
0 FT				
3 FT				
4 FT				
TOUR			500	145
3 FT	GEL	500#	115	200
4 FT	RAPID-DRILL	2#	200	300
6 FT	C.M.C.	50#	300	400
5 FT	CAUSTIC	100#	3	
TRIP			400	830
			830	845
			845	900
			900	1200

BLOW KELLY  
 TRIP OUT  
 RIG SERV. BLIND RAINS OK  
 TRIP IN  
 DRUG 8 3/4

DRUG 8 3/4 HOLE  
 RIG SERV. W. KAMS-111111-111111  
 SURVEY # 5344-64  
 DRUG 8 3/4 HOLE

DRUG 8 3/4 HOLE  
 RIG SERV. CROWN O MATIC  
 SURVEY # 5250-64  
 BLOW KELLY TRIP OUT

CONTINUOUS TESTING FISHING SPECIAL JOB DETAILS INCLUDING ENGINEERING CHANGES

✓ REDUCED PUMP RATE 30 SRM 200 G.P.M 225 P.P.T.

6 1/4"  
 6 1/4"  
 6 1/2"  
 Alcohol Unit  
 Ambient -25°F  
 Return +4°F

*[Signature]*  
 SIGNATURE COMPANY ENGINEER



**TOUR REPORT**

CENTRAL FIELD NABORS

FIELD EAGLE PLAINS WELL NAME GULF RIDGE

SD D-67 DEPT 17 TOP 23  
U-137 53 35

CHEURON

DRILLING  DEEPENING  COMPLETING  
 REDRILLING  ABANDONING  REWORKING

MARCH 21

1973

DRILLING ASSEMBLY	END OF MORNING TOUR		END OF DAYLIGHT TOUR		END OF AFTERNOON TOUR	
STANDS D.P.	NO 53	4940 08 FT	NO	4940 08	NO 54	5034 46
SINGLE D.P.	NO 2	62 92 FT	NO	62 92		
X OVER SUB D.D.		260 FT		260		260
OTHER BIT SUB D.D.		300 FT		300		300
DRILL COLLARS 6 1/4 O.D.	16	488 43 FT		488 43		488 43
DRILL COLLARS 6 3/4 O.D.	NO 8	245 48 FT	NO	245 48		245 48
REAMER SHOCK SUB D.D.	KIND	986 FT	KIND	986		986
STABILIZER D.D.	KIND	403 FT		403		403
JARS						
BUMPER SUB						
BIT OR CORE BARREL						
TOTAL D.P. & TOOLS		5756 40 FT				5787 86
KELLY DOWN BELOW R.B.		1160 FT		3860		2714
DEPTH OF TOOLS		5768 00 FT		5795 00		5815 00
TOUR	MORNING TOUR		DAYLIGHT TOUR		AFTERNOON TOUR	
DEPTH END OF TOUR		5768 FEET		5795		5815
DEPTH START OF TOUR		5764 FEET		5768		5795
FOOTAGE DRILLED		4 FEET		27		20

CMC

GEN-1200#  
RID-4#

REDUCED

DRINCO.

STRAP  
BOARD

Cougar  
Duelco

DAY WORK	HOURS											
	7 AM	8 AM	9 AM	10 AM	11 AM	12 AM	1 PM	2 PM	3 PM	4 PM	5 PM	6 PM
PUMP			LC 950	60 950	60 950	60 950	60 950	60 950	60 950	60 950	60 950	60 950
ROTARY SPEED RPM	T		62	62	62	62	62	62	62	62	62	62
WEIGHT ON BIT M.LBS	R		18"	18	18	18	18	18"	18"	18"	18"	18"
MUD WEIGHT LB/GAL			9.7	9.6	9.6	9.6	9.6	9.6	9.7	9.6	9.6*	9.7
VISCOSITY CP			67	77	72	68	66	64	63	61	58	74
W.L.F.C. 3200			10.6	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
pH			9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
MUD LEVEL IN TANKS												

NO.	SIZE	SERIAL	BIT	NO.	START	STOP	REMARKS
56	8 3/4	913568	SEC	DMJ	2 1/2 1/4	1 1/2 5764	5768 4
56	8 3/4	112568	SEC	DMJ	2 1/3 1/4	16 3/4 5764	5815 51

Run  
3-4-1

CORE No.	NO.	DEPTH	REMARKS

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	L. CLEMENTS	F. REICHERT	
DERRICKMAN	A. KITKE	J. GUNNING	
HELPER	L. BAICH	R. FILIPCHUK	
HELPER	K. SOMMER	W. LUCKAR	
HELPER	N. BARNES	A. KALODY	
FIREMAN			
TOOL PULLER	<i>Da Wambay</i>		

11:30  
0.15  
9.7  
74  
44  
29  
30

Alco  
Ambie  
Return

973  
R  
6  
0  
0  
3  
0  
6  
4  
0  
0  
950

TIME	TEMP	DEPTH
12:00	215	
2:15	230	
2:30	300	
3:00	530	
5:30	545	
5:45	630	
6:30	800	
8:00	815	
8:15	400	
4:00	4:5	
4:15	430	
4:30	1145	
11:45	1200	

TRIP OUT (S.L.M.)  
RIG SERV ✓ KENNY LOCK ✓ OK  
MAKE-UP BIT #56 + MOVE STAB TO 70'  
TRIP IN w/ BIT #56  
BRK. CIRC  
REAM STAB 30' TO BTM.  
DRG 8<sup>3/4</sup>" HOLE

RIG SERV. 4 1/2 RAMS OK.  
DATA 8<sup>3/4</sup>

CMC 50#

GEN-1200#  
RD-4#

DRG 8<sup>3/4</sup>" HOLE  
RIG SERV. 4 B.C.P.S. ✓ SWIVEL  
DRG 8<sup>3/4</sup>" HOLE  
PUMP SURVEY @ 5815'

REDUCED PUMP RATE - 30 SPM 160 G.P.M 200 PSI

CONTINUED HOURLY OPERATING DETAIL JOB DETAILS INCLUDING ENGINEERING SUMMARIES

DRILLO. STAB APPROX. 70' ABOVE BIT #56.

STRAP 576887  
BOARD 576590  
DIFF. 297 - No core made

Cougar shock sub cumulative hours 124 3/4 hours  
Dulco stabilizer # 20344 cumulative hours 124 1/2 hours

1000 gal gasoline delivered to lease by Falcon

Alcohol Cooling Unit  
Ambient -18°F  
Returns +8°F

Le F Assembly  
SIGNATURE COMPANY ENGINEER

**TOUR REPORT**

NABERS

1

CHEVRON

FIELD **EAGLE RAIN'S** WELL NAME **GULF RIDGE**

N 67 17 23  
W 137 53 35

MARCH 20

1973

DRILLING  DEEPENING  COMPLETING  
 REDRILLING  ABANDONING  REWORKING

DRILLING ASSEMBLY	END OF MORNING TOUR	END OF DAYLIGHT TOUR	END OF AFTERNOON TOUR
STANDS D.P. NO 53	494008	494008	53 494008
SINGLE D.P. NO		3142	3142
X OVER SUB O.D.	260	260	260
OTHER BITSUB O.D.	300	300	300
DRILL COLLARS 6 7/8 O.D. NO 16	48843	48843	48843
DRILL COLLARS 6 3/4 O.D. NO 8	24548	24548	24548
REAMER O.D. KIND			
STABILIZER O.D. KIND Drilco	403	403	403
Shock-SUB KIND	986	986	986
BUMPER SUB			
SIT OR CORE BARREL			
TOTAL D.P. & TOOLS	564348		572490
KELLY DOWN BELOW RB	1952	1510	3910
DEPTH OF TOOLS	571300	574000	

Gel Rapid-Drill

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	5713 FEET	5740 FEET	5764 FEET
DEPTH START OF TOUR	5703 FEET	5713 FEET	5740 FEET
FOOTAGE DRILLED	10 FEET	27 FEET	24 FEET

GEL-RAPID-DRILL CAUSTIC  
✓ REDUCE

DAY WORK	HOURS											
	2:30 AM	4 AM	6 AM	8 AM	10 AM	12 AM	2 AM	4 AM	6 AM	8 AM	10 AM	12 AM
PUMP RPM	60	60	60	60	60	60	55	60	60	60	60	60
ROTARY SPEED RPM	60	60	60-75	62	62	62	62	62	62	62	62	62
WEIGHT ON BIT LB	REAMING	18"	20	20	20	20	20	20	20	20	18	
MUD WEIGHT G/GAL	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
VISCOSITY CP	63	62	64	62	62	60	60	57	55	52	65	
W.L.F.C. %		10 1/2				10.4	2			10 1/2		
D.H.		9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.0	9.5	

DRILL ST

NO.	SIZE	SERIAL	DEPTH	TOUR	START	STOP	REMARKS
55	8 3/4	413569	SEC	DMJ	2 1/3 1/4	2 3/4	5703 5713 10 RUN
56	8 3/4	413569	SEC	DMJ	2 1/3 1/4	17 1/2	5703 5764 61 3-4-1

Coupen Drilled

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	L. CLEMENTS	F. REICHERT	
DRILLMAN	A. LITKE	J. GUNNING	
HELPER	KERNE BAICH	R. FURCHUK	
HELPER	KLAUS SOMMER	W. LUTKAR	
HELPER	NICK BARNES	A. KOLUDY	
FIREMAN			
TOUR WISHER	<i>Don [Signature]</i>		

DROP 5764 6 1/2"

Alcohol Ambient Returns

CHEVRON S OBC GULF RIDGE Y T F 48

THREE HOURS OF RELATED DETAIL WORK DONE

MATERIALS ADDED	From	To	Notes
	1200	1215	RIG SERV - B.O.P'S REAM STAB TO BTM. DRLG 8 3/4 HOLE
	1215	515	
	515	800	
Gel Rapidil	800	815	RIG SERV. HYDRAIL OK DALG 8 3/4
1500# 6#	815	400	
	400	415	RIG SERV - B.O.P'S DRLG. 8 3/4 HOLE PUMP SURVEY @ 5764' 6 1/2" TRIP OUT (S.L.M.)
GEL	415	1115	
RAPID-DRIL 6#	1115	1130	
CAUSTIC 50#	1130	1200	
✓ REDUCED PUMP RATE 30 SPM 250 PSI. 220 B.P.M.			

REVISIONS TO THIS DRAWING OR FOR DETAILS INCLUDING ENGINEERING COMMENTS

DRILCO STAB. APPROX. 100' ABOVE BIT # 55

Conyer shock sub cumulative hours 178 hrs.  
Drilled stabilizer 17 1/2 hrs. + 70344. Cum hours since blade change 107 3/4

Alcohol Cooling Unit  
Ambient -2°F  
Returns +12°F

*[Signature]*  
SIGNATURE COMPANY ENGINEER

CHEVRON S O P C

GULF RIDGE Y T F 48

THIS HOUR'S PLANT LOG  
WORK DONE

73

12:00	12:15
12:15	5:15
5:15	5:00

RIG SERV ✓ B.O.P'S  
REAM STAB TO BTM.  
DRG 8 3/4 HOLE

8:00	8:15
8:15	4:00

RIG SERV HYDRAIL OK  
DALG 8 3/4

4:00	4:15
4:15	11:15
11:15	11:30
11:30	12:00

RIG SERV ✓ B.O.P'S  
DRG 8 3/4 HOLE  
PUMP SURVEY @ 5764' 6 1/2"  
TRIP OUT (S.L.M.)

✓ REDUCED PUMP RATE 30 SPM 250 PSI. 220 B.P.M.

DRILCO STAB. APPROX. 100' ABOVE BIT # 55

Coupler shock sub cumulative hours 178 hrs.  
Drilled stabilizer 17 1/2 hrs. + 70344. Cum hours since blades change 107 3/4

Alcohol Cooling Unit  
Ambient -2°F  
Returns +12°F

  
SIGNATURE COMPANY ENGINEER

**TOUR REPORT**

FIELD **EAGLE PLAINS** WELL NAME **GULF RIDGE** N-67 W-137

NABORS

17 53 23 35

MARCH 14 1973

CHEVRON

DRILLING ASSEMBLY		END OF MORNING TOUR		END OF DAY TOUR		END OF TOUR	
STANDS	DP	NO 52	484580	494008	53	494008	
SINGLE	DP	NO 1	3162				
X-OVER SUB	DP		260	260	X-O	260	
OTHER	BIT-SUB		300	300	BIT-SUB	300	
DRILL COLLARS	16-64		48843	48843		48843	
DRILL COLLARS	3 6 3/4		24548	24548		24548	
REAMER							
STABILIZER					stab	403	
SHOCK-SUB			986	986		986	
BIT OR LURE BARREL							
TOTAL DP & TOOLS			562679				
KELLY DOWN REEL WHP			3921	955		952	
DEPTH OF TOOLS			566600	569900		570300	
TOUR		MORNING TOUR					
DEPTH END OF TOUR			5666	5699		5703	
DEPTH START OF TOUR			5627	5666		5699	
FOOTAGE DRILLED			39	33		4	

GEL-D - CAUSTIC - Rapid drill

DAY WORK		12 AM	4 AM	8 AM	12 AM	4 AM	8 AM	12 AM	4 AM	8 AM	12 AM
PUMP	HP	60	60	60	60	60	60	60	60	60	60
ROTARY SPEED	RPM	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
WEIGHT ON BIT	WT	35	35	35	35	35	35	35	35	35	15
MUD WEIGHT	LB/GAL	9.7	9.7	9.7	9.7	9.6	9.6	9.7	9.7	9.7	9.7
VISCOSITY	CP	65	68	70	65	65	68	70	68	68	63
WLF	3200	10.2									10.0
PH		10.0			100	100	100	100	100	100	9.5
MUD LEVEL IN TANKS											

DRILL

Tripped and increased and D

NO.	SIZE	SERIAL	WELL NAME	DATE	TIME	START	STOP	REMARKS
54	8 3/4	MS670	SMITH 4TS	3-13	11 1/2	5610	5666	56 RUN
54	8 3/4	MS670	SMITH 4TS	3-13	19	5610	5703	99 1-1-1
55	8 3/4	913564	SEC. DMT	3/13/14		5703		

CURE	TYPE	FROM	TO	REMARKS
8				0.3
9.7				1.9
70				9 1/2
44				10.0
26				8.5
36				2.0

DRILLER	DRILLER	DRILLER	DRILLER	DRILLER
L. CLEMENTS	F. REICHERT			
A. KITKE	J. GUNNING			
L. BAICH	R. FIDRICHUK			
K. SOMMER	W. LUCTHAR			
N. BARNES	A. KOLODZ			

12700 5689 6 1/4

Cougar

6500

Alcohol @ Ambient Returns

CHEVRON SOBC

GULF RIDGE

YTF 45

WEEK DONE

GEL - P -	1200#	1200	145
CAUSTIC -	50#	145	200
Rapidrill	4#	200	300

R DRUG 3 3/4 HOLE  
 T DRUG 3 3/4 HOLE

800	815
815	825
825	315
315	410

Rig SERU 4 1/2 RAMS OK  
 SURVEY @ 5657 (MISRUN)  
 DRUG 8 1/4  
 SURVEY @ 5689 6 1/4

400	415
415	515
515	530
530	545
545	815
815	830
830	1030
1030	1200

Rig SERU HYDRO OK  
 DRUG 8 1/4  
 DROP SURVEY @ 5704 - 6°  
 Blow HOLEY  
 TRIP OUT w/ BLIND-RAM'S  
 MAKE-UP BIT #55 + PICK-UP STAB.  
 TRIP IN w/ BIT #55  
 REAM STAB TO BTM FROM 5333'

DRILLED STAB APPROX. 100 ABOVE BIT #55

Tripped out bit #54 at 5703 due to sharp increase in deviation. Picked up drilled stabilizer and DMT security deviation control bit.

Cougar shock sub "7411 - Cumulative Rotating Hours 140 1/2

6500 gal fuel delivered to base by White Pass

Alcohol Circulating Unit  
 Ambient -9°F  
 Returns +11°F

*L. F. Security*  
 SECURITY COMPANY ENGINEERS

**TOUR REPORT**

NABORS

FIELD **EAGLE-PLAINS** AREA **GOLF RIDGE** N-67 17 23  
 U-137 53 35  
 DATE **MARCH 18** 1973

CHEURON

DRILLING ASSEMBLY	ENGINE	MORNING TOUR	AFTERNOON TOUR
STANDS	51	475142	484580
SINGLE	NO 1	3155	52 484580
X-OVER SUB		260	260 X-O 260
OTHER BIT SUB		300	300 BIT-SUB 300
DRILL COLLARS		48843	48843 16-6 1/4 48843
DRILL COLLARS		24548	24548 8-6 3/4 24548
REAMER			
STABILIZER			
JARS			
<del>SHOCK</del> SHOCK		986	986 SHOCK-SUB 986
BIT OR CORE BARREL			
TOTAL HP & TACES		553284	559517
KELLY-DOWN BELT-HAR		3716	1483 3183
DEPTH OF TOOLS		557000	561000 562700

GEL ~~2400~~  
 RAPID-DRILL  
 CML  
 CAUSTIC  
 Caustic  
 CMC

TOUR	MORNING TOUR	AFTERNOON TOUR
DEPTH-END OF TOUR	5570	5610
DEPTH-START OF TOUR	5527	5570
FOOTAGE DRILLED	43	40

DAY WORK	1	2	3	4	5	6	7	8	9	10
PUMP	60/900	60/900	60/900	60/1350	60/1350	60/1350	60/1350	60/1350	60/1350	60/1000
ROTARY SPEED	50	50	50	50	50	50	50	50	50	55 55
WEIGHT ON BIT	45M	45M	45M	45M	45	45	45	45	45	35 35
MUD WEIGHT	9.6	9.6	9.6	9.7	9.7	9.7	9.7	9.7	9.7	9.7 9.7
VISCOSITY	60	66	65	65	65	62	62	62	62	53 51
W. F. C.	10.2									
PH	10.0				9.5	9.5	9.5	9.5	9.5	79.5

PLUGGED SET

WELL NO.	SIZE	SMITH	4JS	3-14	30	53575570183	281	5610 223	5627 17	RUN
53	8 3/4	MS212	SMITH	4JS	3-14	30	53575570183	281	5610 223	RUN
54	8 3/4	MS640	SMITH	4JS	3-18	3 3/4	5610	5627	17	RUN

DATE	TIME	NAME	INITIALS
		K. CLEMENTS	F. REICHERT
		A. MITKE	J. GUNNING
		J. FUNK	R. FRIEDMAN
		K. SUMMER	W. LUTHER
		N. BARNES	A. KELLEY

TOTAL 5610 3 3/4

Alcohol 6  
 Ambient  
 Returns



CHEURON S OBC

GULF RIDGE

YT-F-48

STRENGTH, PROPERTY, OPERATING DETAIL  
WORK DONE

73  
72  
71  
70  
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MATERIALS ADDED	TIME	TIME
GEL <del>2400</del> # 2400 #	1200	245
RAPID-DRILL 10 #	245	300
CMC	300	300
CAUSTIC 50 #		
CAUSTIC 50 #		
Caustic 50 #	800	815
CMC 50 #	815	245
	245	300
	300	315
	315	400
	400	530
	530	545
	545	745
	745	800
	800	815
	815	1200

DRUG 8 3/4" HOLE  
 RIG SERV. ✓ 13.0 PSI  
 DRUG 8 3/4" HOLE

RIG SERV. CHECK KELLY COCK  
 DRUG 8 3/4"  
 DROP SURVEY  
 BLOW KELLY  
 TRIP OUT

TRIP OUT  
 RIG SERV. CHECK BLIND LAMS  
 TRIP IN  
 BLOW KELLY  
 BRK. CIRC. LHM. TO BTM.  
 DRUG 8 3/4" HOLE

Trip at 5610 - locked cone - plugged get rubber from pump head

Cumulative shock sub hours 125 1/4 hours

Alcohol Circulating  
 Ambient -12 °F  
 Returns +12 °F

*Le & Humbley*  
 SIGNATURE COMPANY ENGINEER

**TOUR REPORT**

NABORS

FIELD: EAGLE PLAINS WELL NAME: GULF-RIDGE  
 NO. 67 17 23  
 W137 53 35  
 DATE: MARCH 17 1973

LIHOREN

DRILLING ASSEMBLY	END OF MORNING TOUR	END OF DAY	END OF YEAR
STANDS	50 4 659 34	4 659 84	51 4 751 12
SINGLE	NO	8308	
X-OVER SUB	260	260	X-O 260
OTHER DRILL COLLARS	300	300	BIT-SUB 300
DRILL COLLARS	48843	48843	48843
DRILL COLLARS	24548	24548	24548
REAMER			
STAR LIFTER			
WARS SHOCK-SUB	986	986	986
BUMPER SUB			
BIT DRILLING BARREL			
TOTAL DEPTH	54092.1		55012.4
RELLY DOWN BELOW	317.9	127.8	257.1
DEPTH OF TOOLS	5441.00	5485.00	5527.00
TOUR	MORNING TOUR	DAY TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	5441	5485	5527
DEPTH START OF TOUR	5387	5441	5485
FOOTAGE DRILLED	54	44	42

GRILL  
 CALSIC  
 1/4  
 GRILL  
 RIMMID-DRILL  
 L.M.C.

DAY WORK	7 AM	8 AM	9 AM	10 AM	11 AM	12 AM	1 PM	2 PM	3 PM	4 PM	5 PM
PUMP	60 900	60 900	60 900	60 900	60 900	60 900	60 900	60 900	60 900	60 900	60 900
ROTARY SPEED	50	50	50	50	50	50	50	50	50	50	50
WEIGHT ON BIT	45"	45"	45"	45"	45"	45"	45"	45"	45"	45"	45"
MUD WEIGHT	9.5	9.6	9.6	9.5	9.6	9.7	9.6	9.6	9.7	9.7	9.7
VISCOSITY	60	58	61	68	75	70	68	80	60	50	54
WLF	10.5										

Dump

PH	7 AM	8 AM	9 AM	10 AM	11 AM	12 AM	1 PM	2 PM	3 PM	4 PM	5 PM
MUD LEVEL IN TANKS	9.5			10.0	10.0	10.0	10.0	9.5	9.5	1.5	10.0

53 8 3/4 MS212	SMITH 4 JS	3-14 7 1/2	5387	5441	54	RUN
53 8 3/4 MS212	SMITH 4 JS	3-14 22 1/4	5387	5527	140	RUN

CORE	TYPE	FRAM	TY	REMARKS	HOURS
					7 - 0.20
					9.7 3
					60 10 1/2
					35 9.0
					24 9
					23 7 1/2
					250

150 sec

OPERATOR	WORKING TOUR	DATE	TIME	FOOTAGE	REMARKS
A. CLEMENTS	F. REICHERT				
A. MITKE	J. GUNNING				
J. FURK	R. FILIPCHUK				
N. BARNES	W. LUCKER				
K. SOMMER	A. KALUDI				

Cumulative

Retrigonal  
 Ambient  
 Returns

*[Handwritten signature]*

LUCORON SOBc GULF-RIDGE YT 198

OTHER WORK DONE  
WORK DONE

TOOL		1200	1215
GEL-	1200#	1215	1230
CAUSTIC-	50#	1230	800

RIG SERV. ✓ B.C.P.  
BRK. CIRC. CAN. 40 TO BTM L.S.  
DRKG 8<sup>3/4</sup> HONE

Wt	6000#	800	815
		815	230
		230	315
		315	400

RIG SERV. HYDRAIL OK  
DALG 8<sup>3/4</sup>  
SURVEY @ 5470' 2°  
DALG 8<sup>3/4</sup>

GEL	400	405
CAUSTIC	405	1200
RAMP-DRILL		
C.M.C		

RIG SERV. 4 1/2 RAMS OK.  
DALG 8<sup>3/4</sup>

Dumped & cleaned Shaker Tank. BOTH COMP.

150 sac of maycoquel delivered to house by Northwest Trucking

Cumulative shock sub hours 107 hours.

Refrigeration Conductor total  
Ambient -18°F  
Returns +5°F

L. F. [Signature]  
SIGNATURE COMPANY INC.

# TOUR REPORT

NABORS

FIELD **CHOLE PLAINS** OF **WOLF RIDGE**

N-67 W-137 11 23 21

245 IRON

✓ DRILLING DEEPENING COMPLETION  
 ✗ REDRILLING ABANDONING REWORKING

MAR 16 1973

DRILLING ASSEMBLY		END OF MORNING TOUR				END OF AFTERNOON TOUR						
STANDS	D.P.	NO. 49	45	65	84	45	65	84	49	45	65	84
SINGLE	D.P.	NO.				31	51		1		31	51
X-OVER SUB	D.P.			260		260			X-0		260	
OTHER BIT SUB	D.P.			300		300			Bit-sub		300	
DRILL COLLARS	D.P.	16	48	84	3	48	84	3		48	84	3
DRILL COLLARS	D.P.	8	24	54	8	24	54	8		24	54	8
REAMER	D.P.											
STABILIZER	D.P.											
Shock-sub	D.P.			986		986					986	
BUMPER SUB	D.P.											
RIT OR CORE BARREL	D.P.											
TOTAL D.P. & TOOLS			53	152	1							
KELLY DOWN BELOW RR				29	79		41	00			41	00
DEPTH OF TOOLS			53	45	00	53	87	72		53	87	72
TOUR		MORNING TOUR				AFTERNOON TOUR						
DEPTH END OF TOUR		5345				5387						
DEPTH START OF TOUR		5313				45						
FOOTAGE DRILLED		32				42						

Gel  
 RD  
 2000 Gel  
 WT MAT  
 RD  
 Sandst  
 Fibre

DRY WORK		1	2	3	4	5	6	7	8	9	10
PUMP	RPM	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000
ROTARY SPEED	RPM	50	50	50	50	50	50	50	50	50	50
WEIGHT ON BIT	WT	45	45	45	45	45	45	45	45	45	45
MUD WEIGHT	WT	9.4	9.5	9.5	9.3	9.1	9.5				
VISCOSITY	WT	59	58	60	60	58	58				
W.P.		11.2									
D.P.		9.5									

Check  
 Ran  
 Pulled  
 To re  
 down  
 overho  
 out of  
 surface  
 before  
 inspect  
 in wit

52	8 3/4	46704	H-W	X DV	3-14	43/45	313	5345	32
52	8 3/4	46704	H-W	X DV	3-14	10 1/4	5313	5387	74

Run  
 3-1-1

TIME	TYPE	FROM	TO	REMARKS	HOURS
8:30					
9:00					
9:30					
10:00					
10:30					
11:00					
11:30					
12:00					

Shock  
 Sand

NAME	POSITION	NAME	POSITION
A. CLEMENTS	F	F. REICHERT	
A. LITKE	J	J. GUNNING	
J. FULK	R	R. FILIPCHUK	
N. BARNES	W	W. LUTYAK	
K. SCHMER	A	A. KOLODI	

Retriever  
 Ambient  
 Returns

CHEVRON SOBC

GULF RIDGE

YT T-93

OTHER HOURLY CREATING DETAIL WORK DONE

TIME	TIME	TIME	TIME
	1200	1215	
2000#	1215	<del>1230</del>	
8#		100	
	100	300	
	300	315	
	315	800	
<hr/>			
	800	930	
1000#	930		
WT MAT	9000	1130	
R/D	4#	1130	100
Sandst	20 SY	100	115
Fiber	10 SY	115	345
	345	400	
<hr/>			
	400	530	
	530	900	
	900	915	
	915	930	
	930	1145	
	1145	1200	

RIG SERU ✓ BLIND-RAMS  
 MAKE-UP BIT #52 WORK ON AIRLINES  
 HAY DOWN STAB. @ 70'  
 TRIP IN w/ BIT #52  
 BRK. CIRC. CAP. TO BTM (NO FILL)  
 DRUG 8 3/4 HOPE

DALG 8 3/4  
 RUN SURVEY, BROKE OVERSHOT, MADE 2  
 RUNS TO RECOVER SURVEY UNSUCCESSFUL.  
 DRUG 8 3/4  
 CONSERVATION BOARD RIG CHECK  
 DALG 8 3/4  
 ROLL IN TO RECOVER SURVEY

STUCK SINKER BAR, PULLED LINE APART  
 TRIP OUT, RECOVER LINE  
 RIG SERU ✓ BLIND RAMS.  
 MAKE-UP BIT #53  
 TRIP IN w/ BIT #53  
 BLOW KELLY w/ STEAM.

TEMPERATURE RECORDING POINTS: SURFACE -45°F

Check by Conservative Engineer John Kirk

Ran in with survey bbl on sandline overshoot  
 Pulled out - no survey bbl - made 2 more runs  
 to recover bbl - could not retrieve. Drilled single  
 down while grinding down overshoot - ran in with  
 overshoot - stuck in shock sub - tried to pull sandline  
 out of rope socket Sandline broke about 1000' below  
 surface. Tripped out pipe - broke sandline twice more  
 before it came free from overshoot. Tripped on out  
 inspected overshoot O.K. Shock sub O.K. Tripped  
 in with 4 1/2" bit

Shock sub - cumulative hours 84 3/4

Sandline in poor shape - rope core rotten

Retrieval:  
 Ambient -20°F  
 Returns +10°F

*[Signature]*  
 SIGNATURE COMPANY ENGINEER

**TOUR REPORT**

WELL NAME **NABOK'S**

FIELD **EARLY PAINS** WELL NAME **GULF RICE** N67 17 23  
 W137 53 32

MARCH 15 1983

DRILLING ASSEMBLY		END OF MORNING TOUR		END OF DAY TOUR	
STANDS	D.P. NO.	4567	51	4472	98
SINGLE	D.P. NO.			6140	2
X OVER SUB	O.D.		260	260	
OTHER <b>Bit Sub</b>	O.D.		300	300	
DRILL COLLARS	O.D.	394	81	482	42
DRILL COLLARS	O.D. NO. NAME	245	48	245	48
REAMER	O.D. NAME				
STABILIZER	O.D. NAME		403	403	
JARS <b>SHOCK</b>	O.D. NAME		984	986	
RUMPER SUB	O.D.				
BIT OR CORE BARREL					
TOTAL D.P. & TOOLS					528778
KELLY DOWN REPAIRS		831	76	14	63
DEPTH OF TOOLS		5288		5303	00
TOUR		MORNING TOUR		AFTERNOON TOUR	
DEPTH END OF TOUR		5288	FEET	5303	FEET
DEPTH START OF TOUR		5277	FEET	5286	FEET
FOOTAGE DRILLED		11	FEET	15	FEET

Gal RD

DAY WORK		1	2	3	4	5	6
PUMP	60	60	60	60	60	60	60
ROTARY SPEED	63	40	46	55	55	55	55
WEIGHT ON BIT	25-35	40-40	45	45	45	10	50
MUD WEIGHT	9.6	9.4	9.4	9.5	9.5	9.5	9.6
VISCOSITY	87	70	73	65	62	60	60
W.F.C.							

Bit "51"  
gradual  
Tension  
then do  
to 40-50

DEPTH	TIME	REMARKS	W.F.C.	W.T.	W.P.	W.P.
0	8:34	20590 REED ENG	10.5	100	10.0	10.0
1	8:41	110802 17 W X 32	10.0	100	10.0	10.0
51	8:44	40382 H-W X 55	10.0	100	10.0	10.0

OTter nose 4

CORE NO.	TYPE	FROM	TO	REMARKS	HOURS
					3:30 - 0.3
					4
					10 1/2
					45
					21
					18

Ducked down  
Couper

SIGNAL	MORNING TOUR	AFTERNOON TOUR
DRILLER	E. KAWCHUK	A. CLEMENTS
DEWELPER	J. GUNNING	H. KITKE DEPT 528, 2 3/4
HELPER	R. BREWERT	J. FEIK
HELPER	A. MALISE	A. BARNES
HELPER	N.H. SAPAULT	K. ZUMMER

6500

Retriever  
Ambient  
Returns

*[Signature]*

CHEVRON SOBIC GULF RIDGE Y.T. #48

OTHER DUTY RELATING TO THIS WORK DONE

98  
8  
0  
5  
0  
0  
2  
8  
3  
6  
8  
0

TIME	TOUR	TIME	TOUR
12:00		3:30	
3:30		3:45	
3:45		4:00	
4:00		6:30	
6:30		7:15	
7:15		8:00	
8:00		8:15	
8:15		9:15	
9:15		10:30	
10:30		10:45	
10:45		4:00	
		4:15	
2000 <sup>th</sup>		4:15	
8 <sup>th</sup>		9:15	
		12:00	

DRUG 83/4  
SURVEY # 5287  
BROW KELLY  
TRIP OUT  
MIKE UP BIT TRIP IN D.C.  
PICK UP PIC  
When tripping the floor should be kept clean all time should be in their place not scattered all over as a workman might trip or bump into an injury resulting.  
RIG SERV. HYDRA OK  
SLIP & CUT 66' DRUG LINE  
TRIP IN  
BREAK CIRC.  
DRUG 83/4  
RIG SERV. 4 1/2 PAMS OK  
DRUG 83/4  
BROW-KELLY - TRIP OUT

Fuel  
RD

OPERATIONAL SUMMARY

Bit # 51 - 27 ft in 9 hours - got drilling - lubbed off and gradually slowed down from 4 ~~1/2~~ f/hr  
Tripped out run in with assist Drilled 4 slowest - 40 min/ft when drilled 15 feet in 3 hours (5 f/h.) Bit then slowed down to 40-50 min per foot for 6 feet - Tripped out - Bit like new

OTter CSB undershot runway on approach and damaged nose & nose wheel. Down for repair at Hobson Gulf Ridge Strip.

Dufoe Seabaker - Cumulative hours 33 1/4 hrs - laid down after tripping out bit # 51  
Cougar shock sub - Cumulative hours 74 1/2 hrs.

6500 gal fuel delivered by White Pass.

Retrievement Conductor B61  
Ambient - 8°F  
Returns +12°F

*L. F. Lunnally*  
SIGNATURE COMPANY ENGINEER

# TOUR REPORT

FIELD **EAGLE PLAINS** WELL NAME **GULF RIDGE** N 67° W 137° E 87' 23" 53' 35" **MARCH 14 1973**

WABORS DRLLG

CHURDN SOL

DRILLING ASSEMBLY	END OF MORNING TOUR				END OF DAY (11:00) TOUR				END OF AFTERNOON TOUR			
	STANDS	D.P.	NO.	FT.	STANDS	D.P.	NO.	FT.	STANDS	D.P.	NO.	FT.
SINGLE												
X OVER SUB				2 60				2 60				2 60
OTHER <b>BIT Sub</b>				3 00				3 00				3 00
DRILL COLLARS				3 94 84				3 94 84				3 94 84
DRILL COLLARS				2 45 48				2 45 48				2 45 48
REAMER												
STABILIZER				4 03				4 03				4 03
JARS												
BUMPER SUB				9 86				9 86				9 86
B.T OR CORE BARREL												
TOTAL D.P. & TOOLS				2 868				3 368				1 924
KELLY DOWN BELOW RR												
DEPTH OF TOOLS				5 256 00				5 256 00				5 277 00

Fibre

WT mat  
Gel  
Saw best  
Revised

Gel

DAY WORK	MORNING TOUR			DAY (11:00) TOUR			AFTERNOON TOUR		
	DEPTH END OF TOUR	DEPTH START OF TOUR	FOOTAGE DRILLED	DEPTH END OF TOUR	DEPTH START OF TOUR	FOOTAGE DRILLED	DEPTH END OF TOUR	DEPTH START OF TOUR	FOOTAGE DRILLED
	5 256	5 255	1	5 261	5 256	5	5 277	5 261	10

PUMP	ROTARY SPEED	WEIGHT ON BIT	MUD WEIGHT	VISCOSITY	MORNING TOUR			DAY (11:00) TOUR			AFTERNOON TOUR		
					6:00	7:50	8:00	8:50	9:00	9:00	9:00		
	40	25	9.8	125	60	750	60	600	60	600	60	600	

Tripped  
No chan.  
Ran in  
To 70 ft  
R 67x dr  
Tripped on  
To drop a

MUD LEVEL IN TANKS	MORNING'S TOUR			DAY (11:00) TOUR			AFTERNOON TOUR			
	NO.	SIZE	SEALS	NO.	SIZE	SEALS	NO.	SIZE	SEALS	
48	8 3/4	913674	SEC	H-100	2 1/16	1 1/4	10 1/4	5223	5255	32
49	8 3/4	29379	H.W.	R 77X	1/16	2 1/16	3 1/4	5255	5266	6
50	8 3/4	205907	KEED	FHG	1/16	4 1/16	5 1/2	5261	5277	16

Lost apr  
returns  
pill of 9  
set for

SIGNATURE	MORNING'S TOUR		DAY (11:00) TOUR		REMARKS
	DRILLER	TRIPMAN	DRILLER	TRIPMAN	
	E. ROBERT	J. SHANNON	ED KRAWCHUK	J. GUNNING	Drop 5225 30'
	K. FILIPCHUK	W. LECTKAR	R. BREMONT	L. MACHISE	
	A. KECODE		WAT SBRACH	RANDY CHARLES	

Alcohol C  
Ambient  
Revised



CHURON SOBC GULF RIDGE ITFV8

THIS HOUR'S OPERATING DETAIL  
 AFTER DONE

1973			1200	1215
1			1215	1230
4			1230	1245
0			1245	300
0			300	345
4	Fibre	1050K	345	545
8			545	600
3	WT mat	5000#	600	700
6	Gel	2000#	700	800
6	Saw dust	243#	800	900
	Rapidist	6#	900	945
			945	1000
			1000	145
			145	200
			200	400
			400	415
	Gel	1600#	415	615
			615	630
			630	1200

RIG SERV. HYDRIC OK.  
 DROP SURVEY  
 BLOW KELLY  
 TRIP OUT  
 CHANGE BIT & MOVE STABILIZER  
 TRIP IN  
 BREAK CIRC  
 DRILL 8 3/4 HOLE. LOST CIRC.  
 MIX UP PILL.  
 MIX MUD  
 CIRC MIX MUD  
 RIG SERV. HYDRIC  
 RIGS  
 SURVEY @ 2215  
 RIG SERV. HYDRIC OK  
 TRIP IN  
 BREAK CIRC  
 DRILL 8 3/4

60  
 600  
 63  
 35  
 96  
 79  
 4  
 18  
 10 1/2  
 9  
 8.5  
 200  
 30+

Tripped out bit # 48 - NO wear on buttons.  
 No change in lithology indicated in samples  
 Ran in with ~~RG7X~~ RG7X - moved drilled stabilizer  
 to 70 feet above bit - shock subs above bit  
 RG7X drilled 6' in 3 3/4 hours - samples predominately shale  
 Tripped out and ran in with flush bit, mainly to try  
 to drop angle

Lost approximately 100 tbt mud to formation. Only partial  
 returns on getting to bottom with bit # 49. Mixed up  
 pill of gel & sawdust & fibre rec. Spotted on bottom - let  
 set for 1 hour. Obtained full returns - drilled ahead

Alcohol Circulation Unit  
 Ambient -20°F  
 Returns +18°F

*Z & J*  
 SIGNATURE COMPANY ENGINEER

# TOUR REPORT

FIELD **EAGLE PLAINS** WELL NAME **GALE RIDGE** N 67° 17' 23" W 137° 53' 35" MARSH B 973

CHEIRON 5

DRILLING ASSEMBLY		END OF MORNING TOUR		END OF DAY (MIDNIGHT)		END OF AFTERNOON TOUR	
STANDS	D.P.	NO	447465	NO	447465	NO	456751
SINGLE	D.P.	NO	6140	NO	6140	NO	
X OVER SUB	O.D.		260		260		260
OTHER	O.D.						
DRILL COLLARS	O.D.		39484		39484		39484
DRILL COLLARS	O.D.	NO	24548		24548		24548
REAMER	O.D.	KIND	600				
STABILIZER	O.D.	KIND			403		403
JARS		KIND			300		300
BLUMPER SUB		KIND	986		936		986
BIT OR CORE BARREL							
TOTAL D.P. & TOOLS					519586		
KELLY DOWN BELOW RR			2875		3800		2768
DEPTH OF TOOLS			522300		523386		525500

TOUR		MORNING TOUR		AFTERNOON TOUR		AFTERMIDNIGHT TOUR	
DEPTH END OF TOUR		5223	FEET	5223		5255	
DEPTH START OF TOUR		5205	FEET	5222		5233	
FOOTAGE DRILLED		18	FEET	10		22	

DAY WORK		HOURS										
		2-4 AM	4-6 AM	6-8 AM	8-10 AM	10-12 AM	12-2 PM	2-4 PM	4-6 PM	6-8 PM	8-10 PM	10-12 PM
PUMP	SPM PS	60 800	60 800	60 800								
ROTARY SPEED	RPM	40	40	40								
WEIGHT ON BIT	WT LB	40	45	45								
MUD WEIGHT	WT LB	9.6	9.7									
VISCOSITY	WT LB	78	74									
W.C.P.	WT LB											
PH								9.0	9.0	9.0		9.0
MUD LEVEL IN TANKS												

*Handwritten notes:*  
 CR 110 60 800 60 800 60 800 60 800 60 800 60 800  
 40 40 40 40 45 45 45 40 40  
 35 30 25 30 35 45  
 9.8 9.8 9.7 9.7 9.7 9.7  
 72 70 68 57 64 70

NO.	SIZE	NEEDLE	BIT NO.	ANG.	TOUR	START	END	FEET	REMARKS
47	8 1/4	LP254	9JS	SMITH	3-14	4:14	5:05	5223	173
48	8 3/4	913674	11-100	SEL	3 1/2	10:14	5:23	5255	32

CURT	NO.	TYPE	FRONT	TU	REMARKS	HOURS
						8:30
						9:7
						7:4
						4:6
						2:9
						3:4

NO.	NAME	NO.	NAME
	F. REICHERT		ED KANWICHUK
	J. SHANNON		J. GUNNING
	R. FILLISUK		R. BRENNET
	W. LUCHAR		L. MACLISE
	A. KRODT		W. T. SORACH
			KANSY CHARLES

*Handwritten notes:*  
 Laid  
 Picked  
 Placed  
 and C  
 Tight si  
 hanging  
 rate of  
 in 4 ho

*Handwritten notes:*  
 Sent  
 1 - 8 3/4"  
 1 - 8 3/4"  
 Shock  
 Drilled

*Handwritten notes:*  
 Alcohol  
 Ambie  
 Return

CHEVRON SOBC GULF RIDGE YTF48

THIS HOUR'S READING LIT  
 OTHER DONE

TIME	DEPTH	TEMP	TEMP
12:00	1215'		
12:15	515'		
5:15	530		
5:30	845'		
5:45	800		
8:00	815'		
8:15	830		
8:30	1030		
10:30	1130		
1:30	1100		
4:00	415		
4:15	1200		

RIG SERV. REMOTE HYDRA OK.  
 DRIG 8 3/4 HOLE  
 DROP SURVEY  
 BLOW FELL  
 TRIP OUT.

FINISH OUT  
 RIG SERV. BLIND TURNS RIG  
 PICK UP SINDS BIT - TRIP IN  
 TIGHT SPOTS TURN IN SINDS.  
 DRILLING 8 3/4 HOLE.

RIG SERV. LIFE LINES.  
 DRILLING

60  
 800  
 40  
 45  
 9.7  
 70  
 20  
 5  
 12  
 0.2  
 7.5  
 9.0  
 2.0

Laid down Grant near bit reamer # 10871  
 Picked up Drilco Blade Stabilizer # 76344  
 Placed stabilizer 40' up from bit with 1 dull collar  
 and Cougar shock sub in between. Had to ream  
 tight spots from ~~5223~~ 4750-4840 on trip in - stabilizer  
 hanging up probably. Drilled from 5223-5250 at average  
 rate of 4' per hour. Slowed down from 5250-5255 - 5 feet  
 in 4 hours.

~~Top of hole OK. Samples contained.~~

SENT TO WHITBISH

- 1 - 8 3/4" Reed STIAG # 273770
- 1 - 8 3/4" H.W. XDV # 46208

Shock sub	accumulative hours	51 1/2
Drilco Blade Stabilizer	"	10 1/4

Alcohol Unit  
 Ambient: - 10  
 Returns + 10

L. T. Gumbly  
 SIGNATURE COMPANY ENGINEER

**TOUR REPORT**

**WABORS**

FIELD **EAGLE PLAINS** WELL NAME **GULF RIDGE** NO. **17** OF **23**

DRILLING  DEEPENING  COMPLETING  
 REDRILLING  ABANDONING  REWORKING

**MARCH 5 1973**

DRILLING ASSEMBLY		END OF MORNING TOUR	END OF DAY	END OF AFTERNOON TOUR
STANDS	DP	NO 47	437985	NO 47 437985
SINGLE	DP	NO		
X-OVER SUB	AD		260	260
OTHER	DD		JUNK SUB 329	329
DRILL COLLARS	DP	10	30151	30151
DRILL COLLARS	DP	8	24548	24548
REAMER	DP		600	600
STABILIZER	DP			
JARS	DP			
BLANKET SUB	DP			
B.T. OR CORE BARREL	DP			
TOTAL D.P. & TOOLS			493544	493273
KELLY DOWN BELOW H.R.			2300	3128
DEPTH OF TOOLS			495844	496400

Get  
Kopids

WT. MAT  
CAUSTIC

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	4958	4964	4968
DEPTH START OF TOUR	4943	4958	4961
FOOTAGE DRILLED	15	6	7

DAY WORK	2-4 AM	4-6 AM	6-8 AM	8-10 AM	10-12 AM
PUMP	60 1250	60 1250	60 1250	60 1250	60 1250
ROTARY SPEED	40	40	40	50	50
WEIGHT ON BIT	240	40	40	1540	40
MUD WEIGHT	10.2	10.2	10.2	10.1	10.1
VISCOSITY	80	77	75	70	64
W.L.F.C.	10.2	10.2	10.2	98.2	
PH	10.5	10.5	10.5	10.0	10.0

Red  
Temp  
Rec  
plu  
No

MUD LEVEL IN TANKS	NO.	SIZE	SERIAL	BIT	START	STOP	REMARKS
	41	8 3/4	4912131	SEC-H-88	3 1/2	4 1/4	4936 4958 22
	42	8 3/4	49028	H-W-WD-7	2 1/2	3 1/2	4158 4968 10

CORE	NO.	SIZE	DEPTH	TYPE	FROM	TO	REMARKS

8<sup>00</sup> - 0.15  
10.2 19  
64 9 1/2  
42 10.0  
29 14  
26 300

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	Ed Krauchuk	L. CLEMENTS	
LEAD RIGMAN	J. Cunniff	B. DEECE	
TRIPMAN	R. BREMONT	K. BARK	
DRILLER	L. MACHISE	K. SUMNER	
TRIPMAN	NAT SAPACH	N. BARNES	
REMARKS	DROPT 154 1		

Also  
Amb  
Refu

*On standby*

**TOUR REPORT**

**NABORS**

FIELD **EAGLE PLAINS** WELL NAME **GULF RIDGE** NO **67** 17 OF 23

DRILLING  DEEPENING  COMPLETING  
 REDRILLING  ABANDONING  REWORKING

**MARCH 5 1973**

DRILLING ASSEMBLY		END OF MORNING TOUR	END OF DAY	END OF AFTERNOON TOUR
STANDS	DP NO 47	437985	47 437985	437985
SINGLE	DP NO			
X-OVER SUB	AD	260	260	260
OTHER	DD		JUNK SUB 329	329
DRILL COLLARS	6 1/4 DP 10	30151	30151	30151
DRILL COLLARS	6 3/4 DP 8	24548	24548	24548
REAMER	Near BPT	600	600	600
STABILIZER	DD			
JARS	DD			
BLANKET SUB				
B.T. OR CORE BARREL				
TOTAL D.P. & TOOLS		493544	493273	493273
KELLY DOWN BELOW H.R.		23 00	3128	3528
DEPTH OF TOOLS		495844	496400	496800

Get  
Kopids

WT. MAT  
CAUSTIC

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	4958	4964	4968
DEPTH START OF TOUR	4943	4958	4964
FOOTAGE DRILLED	15	6	4

DAY WORK	2-4 AM	4-6 AM	6-8 AM	8-10 AM	10-12 AM
PUMP	60 1250	60 1250	60 1250	60 1250	60 1250
ROTARY SPEED	40	40	40	50	50
WEIGHT ON BIT	240	40	40	15	40
MUD WEIGHT	10.2	10.2	10.2	10.1	10.1
VISCOSITY	80	77	75	70	64
W.L.F.C.	10.2	10.2	10.2	9.8	9.8
PH	10.5	10.5	10.5	10.0	10.0

Red  
Temp  
Rec  
plu  
No

MUD LEVEL IN TANKS	NO.	SIZE	SERIAL	BIT	TIME	DEPTH	REMARKS
	41	8 3/4	4912131	SEC-H-88	3 1/2	4936	4958 22
	42	8 3/4	49028	H.W-WD-7	2 1/2	4158	4968 10

CORE	NO.	SIZE	DEPTH	REMARKS
TYPE				
FROM				
TO				
REMARKS				
HOURS				
SIGNATURES				

8<sup>00</sup> — 0.15  
10.2 19  
64 9 1/2  
42 10.0  
29 14  
26 300

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	Ed Krauchuk	L. CLEMENTS	
LEAD RIGMAN	J. Cunniff	B. DEECE	DROP 154 1
TRIPMAN	R. BREMONT	K. BARK	
TRIPMAN	L. MACHISE	K. SUMNER	
TRIPMAN	NAT SAPACH	N. BARNES	
TRIPMAN			
TRIPMAN			
TRIPMAN			

Also  
Amb  
Refu

*On standby*

CHEVRON SOBC GULF RIDGE XT F-48

973

1200 1215  
 1215 1230  
 Gel 1500# 1230 745  
 Ronald 6# 745 800

Drilling 8 3/4" hole  
 RIG SERU FINE TANK  
 DRUG  
 SURVEY 4734

0  
 4  
 1  
 3  
 2

WT. MAT. 8500#  
 CALSTIC - 50#

900 815  
 915 1035  
 1030  
 1130 1130  
 115 115  
 200 200  
 200 400  
 BIND RAMS + KELLY WORK - OK  
 400 530  
 530 845  
 845 1100  
 1100 1200

RIG SERU - B O PS  
 BLOW KELLY + TRIP OUT  
 CHANGE CUTTERS + PINS IN NEAR  
 BIT REAMER - LAY DOWN SAME  
 TRIP IN W/ BIT # 42 (NO FILL)  
 BLOW KELLY, BRK. CIRC CHG TO BTM.  
 DRUG 8 3/4" HOLE W/ BIT # 42  
 DRUG 8 3/4" HOLE  
 CIRC. COND. LTD + BUILD VOLUME  
 BLOW KELLY TRIP OUT  
 CHGN OUT JUNK SUB.

check Brakeback and Drilling Line and  
 down blow all ok  
 gw

✓ REDUCED PUMP RATE 30 SIM-200 GPM 400" PUMP PRESS.  
 Trip out at 11:28: laid down near bit reamer picked up junk sub & WDT bit.  
 Recovered in junk sub: 3 roller bearings, 5 ball bearing  
 plus few small pieces of iron.  
 Note: Correction made on geolograph for junk sub run.

5  
 2  
 19  
 4  
 1/2  
 0.0  
 4  
 To  
 3000

Over brought in 2 people from Old Crow to work lease

Alcohol Retriperation  
 Ambient -25°F  
 Returns 80°F

L. J. Gumbly  
 SIGNATURE COMPANY ENGINEER

**TOUR REPORT**

**WABORS**

FIELD **EAGLE PLAINS** WAD **Gulf Ridge N67** 17 23

Chev

REDR LL NO ABANDON NO 22 REGR. RE. NO 1000 22 23 **MARCH 21** 875

END OF MORNING TOUR			DAYLIGHT TOUR			
STANDS	NO <b>46</b>	<b>428539</b>	<b>46</b>	<b>428539</b>	<b>46</b>	<b>428539</b>
SHAPE	NO <b>2</b>	<b>6287</b>	<b>2</b>	<b>6287</b>	<b>2</b>	<b>6287</b>
X OVER SUR		<b>565</b>	<b>X-O</b>	<b>565</b>		<b>260</b>
OTHER						
DR. COLLARS	<b>10-6<sup>3/4</sup></b>	<b>30151</b>	<b>10-6<sup>3/4</sup></b>	<b>30151</b>	<b>10-6<sup>3/4</sup></b>	<b>30151</b>
DR. COLLARS	<b>8-6<sup>3/4</sup></b>	<b>24548</b>	<b>8-6<sup>3/4</sup></b>	<b>24548</b>	<b>8-6<sup>3/4</sup></b>	<b>24548</b>
BEARER					<b>NEARBIT</b>	<b>600</b>
STAR LIDER						
WAS						
B. MPEER LIP						
BIT OR CORE BARREL						
TOTAL DR. X TOOLS		<b>490090</b>		<b>490090</b>		<b>490385</b>
KELLY DOWN BEL. WRR		<b>2610</b>		<b>3510</b>		<b>8215</b>
DEPTH OF TOOLS		<b>4927</b>		<b>493600</b>		<b>493300</b>
TOUR	<b>MORNING TOUR</b>		<b>DAYLIGHT TOUR</b>			
DEPTH END OF TOUR		<b>4927</b>		<b>4936</b>		<b>4933</b>
DEPTH START OF TOUR		<b>4923</b>		<b>4927</b>		<b>4936</b>
FOOTAGE DR. LLED		<b>4</b>		<b>9</b>		<b>7</b>

WT MAT-5  
GEL-500  
RD 2#  
CAUSTIC-5

	MINS.	AM						
		4:30	4:45	4:45	5:00			
PUMP		<b>1300</b>	<b>1300</b>	<b>2250</b>	<b>6550</b>		<b>1300</b>	<b>1300</b>
ROTARY SPEED	RPM	<b>112</b>	<b>112</b>	<b>42</b>	<b>60</b>	<b>T</b>	<b>40</b>	<b>40</b>
WEIGHT ON BIT	WLB			<b>22</b>	<b>25</b>	<b>RIP</b>	<b>20</b>	<b>40</b>
MUD WEIGHT	LB/CC	<b>10.1</b>	<b>10.1</b>	<b>10.1</b>	<b>10.1</b>		<b>10.2</b>	<b>10.2</b>
VISCOUSITY	CP	<b>87</b>	<b>88</b>	<b>87</b>	<b>92</b>		<b>81</b>	<b>82</b>
W. FC	W. FC		<b>9.2</b>				<b>10.2</b>	<b>10.5</b>
PH	PH	<b>10.</b>	<b>9.5</b>				<b>10</b>	<b>10</b>
MUD LEVEL IN TANKS	FEET							

Recon  
Pan in  
- Touched  
started  
worn 9

Pick up  
and

<b>40</b>	<b>8<sup>3/4</sup></b>	<b>50903</b>	<b>Hw WDR</b>	<b>2<sup>1/2</sup></b>	<b>11</b>	<b>6</b>	<b>4923</b>	<b>4136</b>	<b>13</b>	<b>641</b>
<b>41</b>	<b>8<sup>3/4</sup></b>	<b>912131</b>	<b>Sec H88</b>	<b>2<sup>1/2</sup></b>	<b>11</b>	<b>2</b>	<b>4936</b>	<b>4443</b>	<b>7</b>	<b>IN</b>

CORE NO.	TYPE	FROM	TO	REMARKS	HOURS	SIGNATURE

	<b>15</b>
	<b>3</b>
<b>100</b>	<b>21</b>
<b>81</b>	<b>88 1/2</b>
<b>47</b>	<b>95</b>
<b>33</b>	<b>13</b>
<b>28</b>	<b>400</b>

SIGNATURE	MORNING TOUR	DAYLIGHT TOUR	REMARKS
<b>Ed Krawchuk</b>		<b>H. CLEMENTS</b>	
<b>J. Bunning</b>		<b>B. DCEGE</b>	
<b>R. BREMONT</b>		<b>K. BAILEY</b>	
<b>K. MAGEISE</b>		<b>K. SUMNER</b>	
<b>W. SHPACH</b>		<b>N. BARUES</b>	

FOR PAPER  
PL 21135

Cherron 503C Gulf Ridge YT F-48

THIS HOLEY HEATING LEAD WORK DONE

75  
1  
7  
0  
1  
3  
0  
WT MAT-5000#  
GEL-500#  
RD 2#  
CAUSTIC-50#  
5  
5  
0  
2  
1300  
40  
40  
0.2  
32  
5  
2  
10  
3  
2  
8/2  
5  
13  
400

1200	215
215	300
300	315
315	500
500	600
600	800
300	1200
1200	1285
1285	145
145	400
400	415
415	445
445	515
515	615
615	745
745	800
800	1000
1000	1200

CHAIN OUT W/ MAGNET  
 CLEAN MAGNET  
 RIG SERV BLIND RAMS  
 MAKE UP BIT TRIP IN  
 BRT CIRL WORK BIT ON BTH  
 DRINK 8 3/4 HOLE

DRUG 8 3/4 HOLE  
 RIG SERV - B.C.P.S  
 CIRL COND. MUD  
 TRIP OUT V BIND-RAMS  
 V BINDRAMS - KELLY COCK OK

RIG SERV B.C.P. RAMS  
 MAKE-UP BIT #41 + CHANGE-PIUS +  
 CUTTERS IN NEAR BIT REAMER  
 TRIP IN D.C.S  
 SHIPT CUT 60' DRUG LINE  
 TRIP IN W/ BIT # 41  
 BLOW KELLY W/ STEAM  
 BEHN IN BARRIET  
 DRINK

Recovered bit shank and part of core.  
 Ran in with WDR bit - started rotating 3 feet off bottom  
 - Touched nothing - no torque on bottom drilled ahead - bit  
 started torquing at 4936 - Tripped out - bit badly  
 worn gauge O.K. No evidence of iron wear on bit

Picked up Grant Near Bit Reamer Serial # 10871  
 and ran in with Security H-28 bit



**TOUR REPORT**

NH BOROS 1

FIELD EPAGLE PLANT NAME Cull Ridge NO 67-11 OF 23

DRILLING DEEPENING REWORKING ABANDONING REWORKING REWORKING REWORKING

MINOR 3 1972

DRILLING ASSEMBLY		END OF MORNING TOUR		END OF DAYLIGHT TOUR		END OF AFTERNOON TOUR	
STANDS	DP NO	428539		428539		428539	
SINGLE	DP NO	6287		6287		6287	
X-OVER SUR	DP	565					
OTHER	DP						
DRILL COLLARS	DP	10 64	30151	30151		30151	
DRILL COLLARS	DP	8 63	24548	24548		24548	
REAMER	DP						
STABILIZER	DP						
JARS	DP						
BLAMPER SUR	DP						
BIT OR CORE BARREL	DP						
TOTAL DP & TOOLS		490090		490090		490090	
KELLY DOWN BELOW RR		2210		2210		2210	
DEPTH OF TOOLS		49200		492300		492300	

CAUSTIC

TOUR		MORNING TOUR		DAYLIGHT TOUR		AFTERNOON TOUR	
DEPTH END OF TOUR	FEET			4923		4923	
DEPTH START OF TOUR	FEET						
FOOTAGE DRILLED	FEET						

DAY WORK		HOURS												
		12 AM	1 AM	2 AM	3 AM	4 AM	5 AM	6 AM	7 AM	8 AM	9 AM	10 AM	11 AM	12 PM
PUMP	ON/OFF													
ROTARY SPEED	RPM													
WEIGHT ON BIT	WTS													
MUD WEIGHT	LB/GAL													
VISCOSITY	CP													
WLFIC	SPM													
RPM														
MUD LEVEL IN TANKS	FEET													

TRIP 10.1 90 10.1 98 10 87

Pulled 9 well Ran in Worked

NO	SIZE	SERIAL	BLK	NO	TYPE	DATE	TIME	REMARKS
39	8 3/4	51407	ID	8	HW RR	2 1/2	4923-4923	Junk sub Run

Ran in cone p lion b

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	Ed Krawcheck	A. CLEMENTS	
DERRICKMAN	J Gunning	B. DOEGE	
HELPER	R BREMONT	W. B. BACH	
HELPER	L. DIACLISE	K. SOMMER	
HELPER	WAT SAPACH	N. BARNES	
FIREMAN			
TOOL PUSHER			

11:30 0:15 4 19 87 4 1/2 50 9.5 33 13 34 180

Alcohol Ambien Returns

CHEROKEE SAGE BRIDGE AREA

HEATING UNIT  
WORK DONE

272  
9  
7  
8  
2  
0  
0

	1200	130
	130	200
	200	400
	400	500
	500	515
	515	715
	715	800
	300	945
	945	1000
CAUSTIC	1000	1215
50#	1215	100
	100	115
	115	300
	300	400
	400	615
	615	700
	700	900
	900	915
	915	1145
	1145	1200

CIRCL BTM HOLE TRIP INS.  
WORK MAGNET  
TRIP OUT  
CHEROKEE MAGNET  
TRIP SERVO BLIND RAMS  
TRIP IN W/ BIT & JUNK SUB  
WORK BIT AND JUNK SUB

CIR. TICKLE BTM + WORK JUNK-SUB  
BIG SERVO W/ B.O.P.S  
TRIP OUT W/ BIT + JUNK-SUB  
CAN. JUNK-SUB W/ BLIND RAMS  
MAKE-UP MAGNET  
TRIP IN W/ MAGNET  
WORK MAGNET ON BTM.

CHAIN OUT W/ MAGNET  
CHEROKEE MAGNET - BLIND RAMS  
TRIP IN W/ MAGNET  
BIG SERVO HURDLE  
CIRCL WORK MAGNET  
SHOW KEBBLE W/ STEAM

WORK DONE

Pulled magnet - very little recovery - few pieces at cone  
9 roller bearings + 5 ball bearings

Ran in with bit and junk sub. Severe torque on bottom.  
Worked junk sub - tripped out - recovered a few bearings

Ran in with magnet - recovered 2 shanks, part of one  
cone plus associated junk & bearings

Ran back in with magnet

4  
19  
1/2  
5  
3  
180

Alcohol Refrigeration Unit  
Ambient -23°F  
Returns +9°F

L. T. Perry  
SIGNATURE COMPANY ENGINEER

**TOUR REPORT**

FIELD **EAGLE, HAINESVILLE GULF RIDGE N67 17 23**

**HARBORS**

**1**

DRILLING DEEPENING COMPLETION  
 REDRILLING ABANDONING REWORKING

**MARK 2**

**1073**

DRILLING ASSEMBLY	END OF MORNING TOUR	END OF DAYLIGHT TOUR	END OF AFTERNOON TOUR
STANDS <b>44</b>		<b>44</b>	<b>428531</b>
SINGLE <b>2</b>	<b>434826</b>	<b>2</b>	<b>6287</b>
X-OVER SUB <b>BITSUB</b>	<b>565</b>	<b>565</b>	<b>8565</b>
OTHER			
DRILL COLLARS <b>10 6 1/4</b>	<b>30151</b>	<b>10-6 1/4</b>	<b>30151</b>
DRILL COLLARS <b>8 6 3/4</b>	<b>24548</b>	<b>8-6 3/4</b>	<b>24548</b>
REAMER			<b>30151</b>
STABILIZER			<b>24548</b>
JARS			
BUMPER SUB			
BIT OR CORE BARREL	<b>490090</b>		
TOTAL DP & TOOLS	<b>1400</b>	<b>490090</b>	<b>490090</b>
WELLY DOWN REL. BARREL	<b>491490</b>	<b>2210</b>	<b>2210</b>
DEPTH OF TOOLS		<b>492300</b>	<b>49200</b>

WT. MAT-500  
 GEN-500  
 RD 2#  
 CHAOTIC 50

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	<b>4914</b>	<b>4923</b>	
DEPTH START OF TOUR	<b>4892</b>	<b>4714</b>	
FOOTAGE DRILLED	<b>22</b>	<b>11</b>	

DAY WORK	20:00 AM	4:00 AM	8:00 AM	12:00 AM	4:00 PM	8:00 PM
PUMP	<b>60</b>	<b>60</b>	<b>60</b>	<b>60</b>	<b>60</b>	<b>60</b>
ROTARY SPEED	<b>115</b>	<b>50</b>	<b>115-50</b>	<b>50</b>	<b>50</b>	
WEIGHT ON BIT	<b>2.5</b>	<b>2.5</b>	<b>2.3</b>	<b>2-3</b>	<b>2-3</b>	
MUD WEIGHT			<b>10.1</b>	<b>10.1</b>	<b>10.1</b>	
VISCOSITY			<b>56</b>	<b>65</b>	<b>88</b>	
W.L.F.C.			<b>11.0</b>	<b>2</b>		
pH				<b>9.5</b>		

NO.	SIZE	SERIAL	BRAND/TYPE	WEIGHT	DEPTH	TIME
<b>38</b>	<b>8 3/4</b>	<b>53829</b>	<b>H.W. IFC-3</b>	<b>60W</b>	<b>12 1/4</b>	<b>4822 4923 51</b>

REAM UNDERGAGE  
 2-2-1  
 HOLE

CORE NO.	NO.	DEPTH	TYPE	FROM	TO	RECOVERY	HOURS

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	<b>Ed Korbueher</b>	<b>A. CLEMENTS</b>	
DEPT. MAN	<b>J. Bonning</b>	<b>RINGER DOEGE</b>	
HELPER	<b>R. BREMONT</b>	<b>LORNE BAICH</b>	
HELPER	<b>A. MACHISE</b>	<b>KLAUS SOMMER</b>	
HELPER	<b>WAT SAPPACH</b>	<b>NICK BARNES</b>	

FIREMAN  
 TOOL TRASH  
*[Signature]*

Alcohol  
 Ambr  
 Returns



CHERRON SOBOL GOLF RIDGE VT FYS

TIME HOURLY OPERATING CLEAR WORK DONE

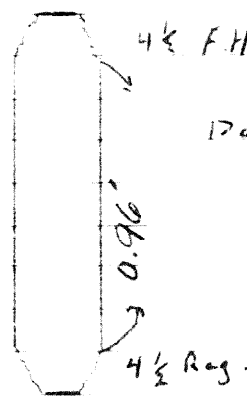
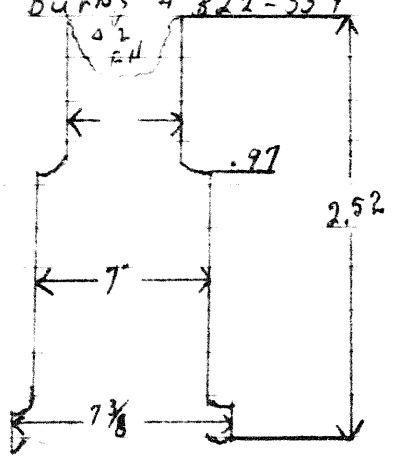
1073  
9  
7  
5  
1  
8  
0  
0  
10

TIME	WT. MAT-5000#	GEN-500#	R.D. 2#	CAUSTIC 50#
1200				
300				
315				
300				
345				
400				
530				
545				
645				
900				
1000				
1200				

REAMING IN UNDER GAGE HOLE  
RIG SERU HYDRIL  
REAMING

REAM UNDER-GAGE HOLE  
RIG SERU ✓ G.C.P.  
CIRC. CONDITION MUD, TICKLE BTM.  
TRIP OUT W/ FROG BIT  
MAKE-UP MAGNET-BIND RAMS  
TRIP OUT IN  
✓ REDUCED PUMP RATE 30 SPM  
200 GPM 150 # PSI  
TRIP IN W/ MAGNET  
RIG SERU  
FISH W/ CONES + CIRC.  
TRIP OUT W/ MAGNET  
CLEAN MAGNET  
TRIP IN

MAGNET BY T.G. EASTLAND  
Burns # 822-334



Double pipe sub for magnet run

SAGE  
11  
9 1/2  
9.0  
16  
210

Alcohol Refrigeration Unit  
Ambient - 20°  
Returns + 8°F

*T.G. Eastland*  
SIGNATURE COMPANY ENGINEER

# TOUR REPORT

FIELD **EAGLE PLAINS** WELL NAME **GALE RIDGE**  
 DRILLING DEEPENING COMPLETING  
 REDRILLING ABANDONING REWORKING

COMPASS **NABORS DRLG**  
 N 67° W 17' 23"  
 W 137° 53' 35"

**MARCH 1**

1973

CITROUN SO

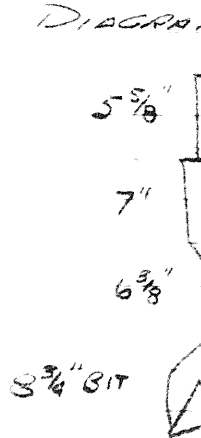
DRILLING ASSEMBLY	END OF MORNING TOUR	END OF DAYLIGHT TOUR	END OF AFTERNOON TOUR
STANDS	NO. 428539		461425539
SINGLE	NO.		3 1/2" SUB → 565
X-OVER SUB	NO. 466		
OTHER			
DRILL COLLARS	NO. 30151		10-6 1/4" 30151
DRILL COLLARS	NO. 24548		8-6 3/4" 24548
REAMER			
STAR LIZER			
WARS			
BUMPER SUB			
BIT OR CORE BARREL			
TOTAL DR & TOOLS			
KELLY DOWN BELOW RB	3100 FT		3300
DEPTH OF TOOLS	486100 FT		487103
TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	FEET	FEET	FEET
DEPTH START OF TOUR	FEET	FEET	FEET
FOOTAGE DRILLED	FEET	FEET	FEET

WT. MNT-2500  
 GEL-500#  
 R.D. 2#

DAY WORK	HOURS											
	12 AM	1 AM	2 AM	3 AM	4 AM	5 AM	6 AM	7 AM	8 AM	9 AM	10 AM	11 AM
PUMP												
ROTARY SPEED												
WEIGHT ON BIT												
MUD WEIGHT										10	10	
VISCOSITY										65	63	
W.L.F.C.												

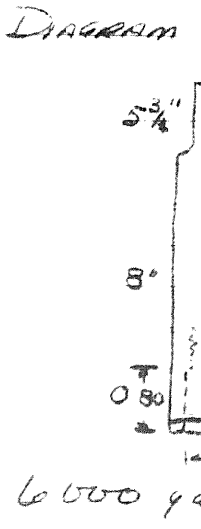
NO.	SIZE	SERIAL	BIT NO.	NO.	FEET	NO.	FEET
37	8 3/4	51407	H-W	JD-8	2 1/2	4535	4572
38	8 3/4	29	H-W	RG-3	3	4872	4892

ES829



CORE NO.	NO.	OST V.	PREFLOW	RECOVERY

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	F. REICHERT	L. CLEMENTS	LEO KOTAWCHUK
DERRICK MAN	J. SHANNON	B. DOEGE	J. GUNNING
HELPER	R. FURBERG	R. BAICH	R. BREMONT
HELPER	W. LUTKAR	K. SOMMER	R. MALCHISE
HELPER	A. KOGODI	N. BARNES	NAT SARACH
PREMAN			
TOOL PUSHER			



CITROEN SOBC GULF RIDGE 1T-F48

THREE HOUREY OPERATING CLEAN  
WORK DONE

1200	1205
1215	1230
1230	1245
1245	345
345	810
800	815
815	915
915	1100
1100	1200
1200	1230
1230	330
330	400
400	415
415	700
700	800
800	900
900	930
930	1200

CHECK OUT PUMPS FOR PRESSURE LOSS  
RIG SERV. CHECK HYDRAULIC  
BLOW HOLE  
TRIP OUT WET & W/ CHAIN.  
WORK ON OVERSHOT

WT. MAT- 2500#  
GEL- 500#  
R.D 2#

RIG SERV. & BLIND, RAM'S  
MAKE-UP OVER-SHOT, JARS ETC.  
TRIP IN W/ OVER-SHOT  
BRK. CIRC. + FISH FOR BIT + JUNK-SUB  
TRIP CUT W/ CHAIN  
KAY-DOWN FISH + BRK-CUER-SHOT, JARSETC  
MAKE-UP COMBINATION BIT + JUNKSUB  
+ WAIT FOR BIT W/ FROG IN CENTER  
RIG SERV. & B.C.P.  
WAIT ON BIT + BIT SUB.  
MAKEUP BIT + SUB + TRIP IN.  
TIE-IN  
STEAM OUT SIX PIPE & TERRY  
REMAIN UNDER GAGE HOLE

CONVERTING METRIC DIMENSIONS TO INCH OR DETAILS INCLUDING ENGINEERING SUMMARIES

DIAGRAM OF FISH  
~ 4 1/2" REG. AN.

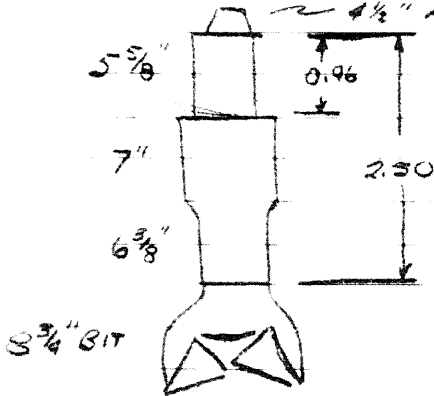
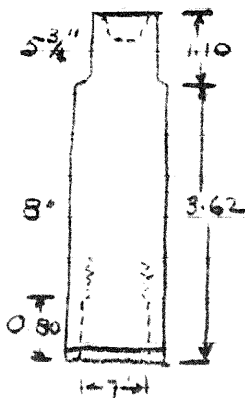


DIAGRAM OF OVERSHOT



6000 gal of fuel delivered to lease by  
White Pass

*[Signature]*  
SIGNATURE COMPANY ENGINEER

# TOUR REPORT

FIELD **EAGLE PLAINS** OF **NEW GOLF-RIDGE**

**NABERS DRUG**

DRILLING  DEEPENING  COMPLETING   
 REDRILLING  ABANDONING  REWORKING

67' 17' 23'  
 137' 53' 35'  
**FEB 28**

1973

DRILLING ASSEMBLY	END OF MORNING TOUR	END OF DAY TOUR	END OF AFTERNOON TOUR
STANDS	NO 46 4 28539	4 28539	46 4 28539
SINGLE	NO 3140	6287	2 6287
X-OVER SUB	507	507	41 CORR. DIFF X-0466
OTHER			
DRILL COLLARS	30151	30151	30151
DRILL COLLARS	24548	24548	24548
REAMER			
STABILIZER			
JARS			
BUMPER SUB			
BIT OR CORE BARREL			JUNK-SUB 250
TOTAL DP & TOOLS			
KELLY DOWN BELOW HR	3915	2368	
DEPTH OF TOOLS	490300	492300	
TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	4903 FEET	4923 FEET	
DEPTH START OF TOUR	4876 FEET	4903 FEET	4923
FOOTAGE DRILLED	27 FEET	20 FEET	

GEN-SCO#  
 R.D. 2#

WT. MAT.  
 8

DAY WORK	2-4 AM	4-6 AM	6-8 AM	8-10 AM	10-12 AM	12-2 PM	2-4 PM	4-6 PM	6-8 PM	8-10 PM	10-12 PM
PUMP	60/1300	60/1300	60	60/1300	60/1300	60/1300	60/1300	60/1300	60/1250	60/1250	
ROTARY SPEED	RPM 45	45	45	45	45	40	40		95	95	
WEIGHT ON BIT	15/40	15/40	15/40	15/40	15/40	15/40	15/40		2"	2"	
MUD WEIGHT	10.1	10.1	10.1	10.0	10.1	10.1			10.1	10.1	
VISCOSITY	63	60	54	70	70	72			78	75	
WLF C	9.6										
D.H.	9.5										
MUD LEVEL IN TANKS											

TRIP

ALCONA

Round

TORQUE AND  
 ETC AND  
 BIT # 35  
 OF TORQUE  
 WAS NOTED  
 PENETRATION  
 TORQUE AND  
 PENETRATION

NO	SIZE	SERIAL	DESCRIPTION	DEPTH	TIME	REMARKS
36	8 3/4	239012R	SEC M-88	2 1/2" H	30 3/4 47 47 49 03	156
					34 1/4 42 47 49 23	176
37	8 3/4	51407	H-W JD-8	2 1/2" H		

ROUND  
 8-8-8

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	L. CLEMENTS	F. REICHERT	
DERRICKMAN	B. DOEGE	J. SHANNON	
HELPER	L. BAICH	R. FIMPSHAK	
HELPER	K. SOMMER	W. LUCKNER	
HELPER	N. BARNES	A. KOBAY	
FIREMAN			
TOTAL PUSHER			

SAND-LINE 4868 1°  
 DROP 4920

PHOTOGRAPHS *Jan. 1973*

CHURCH S.O.B.C. SLOAN RIDGE 17 F 48

THE HOTELS HEATING UNIT WORK DONE

GEH- 500#	1200	1230
R.D- 2#	1230	1245
	1245	115
	115	730
	730	800
	800	915
	915	1215
	1215	115
	115	130
	130	145
	145	400
WT. MAT. 3500#	400	415
	415	<del>415</del>
		445
	445	530
	530	630
	630	800
	800	930
	930	1200

DRUG 8 3/4 HOLE  
RIG SERV & RAMS.  
SAND-LINE SURVEY @ 4868 10  
DRUG 8 3/4 HOLE  
WORK ON FROZEN AIR-LINES.

RIG SERV & HYDRIL  
DRUG 8 1/2  
WORK TIGHT SPOT ON BOTTOM  
DROP SURVEY  
BLOW KELLY  
TRIP OUT

TRIP OUT  
BRK. RAMS, BRK. BIT, MAKE-UP BITS  
PICK-UP NEW BIT-SUB, + JUNK SUB  
TRIP IN DCS  
WORK ON HI-CLUTCH + AIR-LINES  
TRIP IN W/ BIT # 37 + JUNK-SUB  
BRK. CIRC. + G.L.N. TO BTM FROM 4811-483.  
KEAM UNDER-WAGE-HOLE 4835 TO 4872

ALCOHOL CIRCULATING UNIT -

AMBIENT -12°F  
RETURNS +12°F

PULLED BIT # 36 - 12-88 - AFTER 34 3/4 HRS BECAUSE OF TORQUE WHILE NEAR 4 IN BOTTOM. LOST ALL THREE CONES, BEARINGS ETC AND MOST OF SHAFTS. REMAINING PIECE GAUGED 7"  
BIT # 35 & BIT # 36 HAD DRILLED WITH VARYING AMOUNTS OF TORQUE THROUGHOUT RUNS. AT 6:00 AM UNUSUAL TORQUE WAS NOTED, BUT IT WAS ASSOCIATED WITH RELATIVELY GOOD PENETRATION WHICH HAD BEEN THE CASE ON BOTH BIT RUNS WHEN TORQUE WAS HIGH. AT 8:00 AM TORQUE SEEMED NORMAL. PENETRATION CONTINUED AT SIMILAR RATE UNTIL BIT PULLED.

*R. K. Cannon*  
SIGNATURE COMPANY ENGINEER



**TOUR REPORT**

FIELD ENGLE PLAINS WELL NAME GULF RIDGE 67° 17' 23  
137° 53 35  
 DRILLING  DEEPENING  COMPLETING  
 REDRILLING  ABANDONING  REWORKING FEB 27 1973

CHS 000  
RD 5#

DRILLING ASSEMBLY	END OF MORNING TOUR	END OF DAYLIGHT TOUR	END OF AFTERNOON TOUR
STANDS D.P.	NO 45 419486	428518	46 423539
SINGLE D.P.	NO 1 2882	<del>2882</del>	
X OVER SUR O.D.	507	507	507
OTHER O.D.			
DRILL COLLARS 10 6 1/4 O.D.	30151	30151	30151
DRILL COLLARS O.D.	24548	24548	24548
REAMER O.D.			
STAR LIZER O.D.			
JARS			
BUMPER SUR			
BIT OR CORE BARREL			
TOTAL D.P. & TOOLS	477574		483745
KELLY DOWN BELOW RB	1126	3276	3855
DEPTH OF TOOLS	478700	484000	487600

GEN-4000#  
RD-5#

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	4787 FEET	4840 FEET	4876
DEPTH START OF TOUR	4750 FEET	4787 FEET	4840
FOOTAGE DRILLED	37 FEET	53 FEET	36

DAY WORK	7:30 AM	8:00 AM	8:30 AM	9:00 AM	9:30 AM	10:00 AM	10:30 AM	11:00 AM	11:30 AM	12:00 PM	12:30 PM	1:00 PM	1:30 PM
PUMP	60/1300	60/1300	60/1300	60/1250	60/1250					60/1250	60/1300	60/1300	
ROTARY SPEED	45	95	45	45	45	45	45	45	45	45	45	45	45
WEIGHT ON BIT	40 <sup>M</sup>	40 <sup>M</sup>	40 <sup>M</sup>	40	40	40-15				40-15			
MUD WEIGHT	10.1	10.1	10.1	10.1	9.9	8.7	7.9	12.1	10.1	10.1	10.1	10.1	10.1
VISCOSITY	55	56	70	70	10.1	10.1	10.1	75	75	70	65	60	
W.L.F.C.	9.5												
pH	9.5												
MUD LEVEL IN TANKS													

ALCOHOL

NO.	SIZE	SERIAL	BIT	WELL	DEPTH	TIME	STATUS
36	8 3/4	239012R	SEC	M. 88	3 1/2 1/11	8 1/2	4747 4787 40
						16 1/4	4840 93
36	8 3/4	239012R	SEC	M. 88	3 1/2 1/11	24	4747 4876 129

RUN  
v  
RUN

CORE NO.	NO.	DEPTH	RECOVERY
			8.00
			10.1
			70
			52
			31
			41
			10
			300

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	A. CLEMENTS	F. REICHERT	
DEBRIKMAN	B. DICEE	J. SHANNON	4777 78
HELPER	K. BAICH	R. FILIPCHUK	
HELPER	K. SEMMER	W. LUCIKAR	
HELPER	N. BARNES	M. KOROBY	
FIREMAN		P. THOMAS	
TOWN PUSHER	Joe Wambert		

CHEVRON SC B.C. GULF-RIDGE 47 F-48

WATER TREATMENT ADDED

APPROX. 100% WATER TREATMENT

73  
 300  
 5  
 11  
 0  
 4  
 12  
 00  
 5  
 10  
 300

FOUR  
 GEN-ACCOO#  
 RD-B#

1200 145  
 145 200  
 200 730  
 730 800

DRUG 8 3/4 HOLE  
 RIG SERU ✓ RAMS  
 DRUG 8 3/4 HOLE  
 CONN. SURVEIL @ 4777

FOUR

800 8.5  
 815 400

RIG SERU. HYDRIL OK  
 DRUG 8 3/4 HOLE

FOUR

400 545  
 545 600  
 600 1200

DRUG 8 3/4  
 RIG SERU ✓ MOTOR-KILLS ✓ OK  
 DRUG 8 3/4 HOLE

TEMPERATURE RECORDS FOR DETAILS INCLUDING INDUSTRIAL SUMMARIES

ALCOHOL CIRCULATING UNIT - AMBIENT -28°F  
 RETURNS +2°F

CHEVRON SC B.C. GULF-RIDGE 47 F-48

WATER TREATMENT ADDED

APPROX. 100% WATER TREATMENT

73  
 300  
 5  
 11  
 0  
 4  
 12  
 00  
 5  
 10  
 300

FOUR  
 GEN-ACCOO#  
 RD-B#

1200 145  
 145 200  
 200 730  
 730 800

DRUG 8 3/4 HOLE  
 RIG SERU ✓ RAMS  
 DRUG 8 3/4 HOLE  
 CONN. SURVEIL @ 4777

FOUR

800 8.5  
 815 400

RIG SERU. HYDRIL OK  
 DRUG 8 3/4 HOLE

FOUR

400 545  
 545 600  
 600 1200

DRUG 8 3/4  
 RIG SERU ✓ MOTOR-KILLS ✓ OK  
 DRUG 8 3/4 HOLE

TEMPERATURE RECORDS FOR DETAILS INCLUDING INDUSTRIAL SUMMARIES

ALCOHOL CIRCULATING UNIT - AMBIENT -28°F  
 RETURNS +2°F

CHEVRON S O B C GULF RIDGE 4T F-48

MILD CHEMICALS ADDED

OTHER HOUSING OPERATING DETAIL WORK DONE

73

TOUR 1		1200	1245
R.D	4#	1245	145
GEL	1000#	145	800
CAUSTIC	50#		

TRIP IN W/ BIT # 35 (15' FILL ON BTM)  
THAW RAT-HOLE, BRK. CIRC. CNL-40' TO BTM  
DRNG. 8 3/4 HOLE

TOUR 2		800	930
GEL	1000#	930	945
R.D	4#	945	1030
CAUSTIC	50#	1030	400

DAIS 874  
RIG SERV 4 1/2 RAMS OK.  
SURVEY @ 4720 78°  
DAIS 874

TOUR 3		400	530
		530	600
		600	800
		800	815
		815	830
		830	1030
		1030	1045
		1045	1200

DAIS 874  
BLOW KELLY  
TAIP OUT  
RIG SERV. ✓ BLIND RAMS, ✓ KELLY CKK  
SELECT + MAKE UP BIT # 36  
TRIP IN W/ BIT # 36  
BRK CIRC. CNL TO BTM (2' FILL)  
DRNG. 6 3/4 HOLE

CONTRACTOR'S PRINTING OF LOG OR DETAILS INCLUDING ENGINEERING SUMMARIES

ALCOHOL CIRCULATING UNIT - AMBIENT - 28°F  
RETURNS +14°F

PULLED BIT # 35 DUE TO SLOW PENETRATION RATE. BIT TOO HARD.

*[Signature]*  
SIGNATURE COMPANY ENGINEER

**TOUR REPORT**

WELL NAME: *W 137 53* ADDRESS: *DRILL*

DATE: *5/17/73*

FIELD: *W 137 53* WELL NAME: *W 137 53* ADDRESS: *DRILL*  
 1. DRILLING 2. DEEPENING 3. REWORKING  
 4. REDRILLING 5. ABANDONING 6. REWORKING

DRILLING ASSEMBLY		END OF MORNING TOUR		EYES OF DAY	
STANDS	D.P. NO.			44	10584
SINGLE	D.P. NO.				
X-OVER SUB	D.P. NO.				507
OTHER	D.P. NO.				
DRILL COLLARS	D.P. NO.				24548
DRILL COLLARS	D.P. NO.				30151
REAMER	D.P. NO.				
STAB. L. JER	D.P. NO.				
JARS	D.P. NO.				
RUMPER SUB	D.P. NO.				
PIT OR CORE BARREL	D.P. NO.			TEST	10848
TOTAL D.P. & TOOLS					
KELLY DOWN BELOW R.H.					
DEPTH OF TOOLS					

TEST TOOL  
DETAIL

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

DAY WORK		HOURS	
PUMP	SP. OF. DR.		
ROTARY SPEED	R.P.M.		
WEIGHT ON BIT	M.TONS		
MUD WEIGHT	LB. GAL.		
VISCOSITY	SEC. ST.		
W.L.F.C.	CC. 30 SEC.		
p.H.			
MUD LEVEL IN TANKS	FEET		

12' OF PERFS  
RECORDED AT 4244  
RECORDED AT 4250

94' OF DRILL COLLARS

RECORDED AT 4364

16' OF PERFS

309' OF DRILL PIPE

NO.	SIZE	SERIAL	DRILLER'S SIGNATURE	REMARKS
35	8 3/4	D E 90 H W	J. S. S.	4694

SIGNATURES		MORNING TOUR		DAYLIGHT TOUR	
DRILLER		<i>F. REICHERT</i>			
DERRICKMAN		<i>J. SHANNON</i>			
HELPER		<i>R. FILIPCHUK</i>			
HELPER		<i>W. LUSTIGAR</i>			
HELPER		<i>A. MOLODY</i>			
PERMANENT		<i>P. THOMAS</i>			

DST # 2  
RAN  
PIPE 9/11  
VALVE WAS  
SHUT IN P  
MUD FINISH  
INCREASING  
THROUGHOUT  
SLIGHTLY  
MUD  
RECOVER  
ISIP -  
FSIP -  
BHT - 108  
TOOK STR  
MARKERS RE  
RE DETERM  
TEST



CHERON SUBC. GULF RIDGE

OTHER WORKS HEATING TESTS  
WORK DONE

TIME	TIME	TIME	TIME	DESCRIPTION
1200	300	TRIP OUT + AFT DOWN TESTING TOOLS		
305	315	PLUG SERU - BIND-RAMS		
315	500	WAIT ON ORDERS		
500	500	MAKE UP DST # 3		
800	830	TRIP IN		
830	1015	HEAD UP TO TEST		
1015	1045	TESTING		
1045	400			
400	600	TRIP OUT w/ TEST # 3		
600	800	LAY DOWN TOOL		
800	845	LAY DOWN TEST TOOLS		
845	915	WAIT ON ORDERS - BIND-RAMS		
915	1000	LAY DOWN TEST TOOLS		
1000	1030	TRIP IN D.C.		
1030	1130	SKIP + CUT 60 DRUG LINE		
1130	1200	TRIP IN w/ BIT # 35		

CONTINUE TO RECORD DETAILS INCLUDING CONCENTRATIONS

DST # 3 (4230 - 4355) JOHNSON CREEK SS -

RAN JOHNSON TESTERS DUAL STRADDLE TOOL ON 4 1/2" XH DRILL PIPE 9/16 I.D. CHAMBER, PUMP OUT SUB & HYDRAULIC JARS. THE VALVE WAS OPENED AT 11:00 AM FOR FIVE MINUTES, INITIALLY SHUT IN FOR 30 MINS., VALVE REVENED AT 11:30 FOR 10 MINS. AND FINALLY SHUT IN AT 11:40 PM. OBTAINED AIR BLOW INCREASING TO 4000 AIR BLOW ON PREFLOW, WITH 4000 AIR BLOW THROUGHOUT 10 PERIOD. RECOVERED 560' OF MUD, 180' OF SLIGHTLY 3/4" OUT MUD AND 270' OF MUD CUT WATER

MUD - 10.0 #/GAL      RECOVERED MUD - 4.65 #/GAL  
250 PPM CI-      330 PPM CI-

RECOVERED WATER - 8.6 #/GAL      PREFLOW - 65 #/GAL  
600 PPM CI-

ISIP - 2040 PSI, IFP - 263 PSI, FFP - 527 PSI  
FSIP - 2109 PSI, IHP - 2259 PSI, FHP - 2259 PSI

BHT - 108°

~~WARRANTY~~ BOTTOM PACKERS LEAKED MOMENTARILY WHEN SETTING TOOL. STRADDLE BYPASS APPARENTLY PLUGGED. PRESSURE BELOW PACKERS REMAINED AT FORMATION PRESSURE OF ZONE BELOW AS DETERMINED FROM DST # 1 THROUGHOUT TEST

TEST OKAY

# TOUR REPORT

FIELD Little Plains WELL NAME Gulf Ridge CONTRACTOR NABORS DATE FEB 24 1973  
 NO. 67 SEC. 17 TWP. 23 R. 10 S. 33 E. 35  
 DRILLING  DEEPENING  COMPLETION  REDRILLING  ABANDONING  REWORKING

CHEVRON SOL

DRILLING ASSEMBLY	END OF MORNING TOUR	END OF DAYLIGHT TOUR	END OF AFTERNOON TOUR
STANDS D.P.	NO 44 4105 34 FT	NO 44 4105 34 FT	
SINGLE D.P.	NO 1 3193 FT		
X-OVER SUB O.D.	507 FT	507 FT	
OTHER O.D.			
DRILL COLLARS 6 3/4 O.D.	8 24548 FT	24548 FT	
DRILL COLLARS 6 1/4 O.D.	NO 10 30151 FT	30151 FT	
REAMER O.D.			
STABILIZER O.D.			
JARS			
BUMPER SUB		TEST 10848 FT	
BIT OR CORE BARREL			
TOTAL D.P. & TOOLS	468883 FT		
KELLY DOWN BELOW R.B.	1017 FT		
DEPTH OF TOOLS			
TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR		4699 FT	
DEPTH START OF TOUR	4699 FT		
FOOTAGE DRILLED			

TEST TOOL  
DETAIL

13' OF  
PERFS

RECORDER  
AT 3965'  
RECORDER  
AT 3971'

DAY WORK	HOURS
2:30 AM - 4:00 AM	5
4:00 AM - 5:00 AM	
5:00 AM - 6:00 AM	
6:00 AM - 7:00 AM	
7:00 AM - 8:00 AM	
8:00 AM - 9:00 AM	
9:00 AM - 10:00 AM	
10:00 AM - 11:00 AM	
11:00 AM - 12:00 PM	
12:00 PM - 1:00 PM	
1:00 PM - 2:00 PM	
2:00 PM - 3:00 PM	
3:00 PM - 4:00 PM	
4:00 PM - 5:00 PM	
5:00 PM - 6:00 PM	
6:00 PM - 7:00 PM	
7:00 PM - 8:00 PM	
8:00 PM - 9:00 PM	
9:00 PM - 10:00 PM	
10:00 PM - 11:00 PM	
11:00 PM - 12:00 AM	

PUMP	SPM	PS
ROTARY SPEED	R.P.M.	
WEIGHT ON BIT	M. LBS	
MUD WEIGHT	LB/GAL	9.8 10.0 10.1
VISCOSITY	SEC/CM	54 70 80
W.L.F.C.	32ND	
p.H.		9.0
MUD LEVEL IN TANKS	FT. INCH	

NO.	SIZE	SERIAL	BIT KIND AND TYPE	DATE	DEPTH
35	8 3/4	K-D590H-W	J 50	10/11/72	4699

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	L. CLEMENTS	F. REICHERT	
DERRICKMAN	B. DCEGE	J. SHANNON	
HELPER	L. BAICH	R. FILIPCHUK	
HELPER	K. SUMMER	W. LUCKAR	
HELPER	N. BARNES	A. KOLODY	
FIREMAN	P. THOMAS		
TOOL PUSHER			

INCREASED  
DST #  
RAN  
C/W MFE  
WAS OPEN  
30 MINUTE  
SHUT IN  
A GOOD IN  
GAS TO SUR  
BLOW WAS  
DECREASE  
WERE TAK  
SOME FI  
AND 9  
PREFLD  
FSIP -  
BHT -  
MAY HAV  
DURING  
TEST OK

1700'  
PERFS.

134.00'  
OF  
DRILL  
PISTON

BULL NOSE

CHEVRON SOBC GULF RIDGE YTF48

IF OTHER WORK BEING DONE, PLEASE  
NOTE DONE

TOUR	TIME	TIME
WIEGHT - MAT. 10000#	2:00	12:15
GEL - 1000#	12:15	5:30
RD - 4#	5:30	7:30
	7:30	2:00
TOUR 2	8:00	12:30
	12:30	2:15
	2:15	4:00
TOUR 3	4:00	8:00
	8:00	5:30
	5:30	8:45
	8:45	10:15
	10:15	12:00

RUN SERVO ✓ B.C.T.P.  
CIRC. COND. MOD (M.X. WT. MAT.)  
TRIP OUT  
MEASURE TAIL P. OF FIDST #2.

MAKE UP TEST TOOL.  
TRIP IN  
TESTING.

TESTING.  
TRIP OUT TESTER  
R. SERVO ✓ B.C.T.P.  
TRIP OUT. FID # 32 STDS - JT!  
WAIT ON CRODERS.

INCREASED MUD WEIGHT TO 10#/GAL BEFORE ATTEMPTING DST #1  
DST # 2 (3950 - 4230) BASAL CRETACEOUS

RAN JOHNSON TESTERS DUAL STRADDLE ON 4 1/2" H. DRILL PIPE  
C/W MFE CHAMBER, RUMPER OUT SUB & HYDRAULIC JARS. THE VALVE  
WAS OPENED AT 3:12 PM FOR 5 MINUTES, INITIALLY SHUT IN FOR  
30 MINUTES, VALVE RE OPENED AT 3:50 FOR 90 MINUTES AND  
SHUT IN FOR FINAL PRESSURE BUILD UP AT 5:20 PM. OBTAINED  
A GOOD INITIAL BLOW INCREASING TO VERY GOOD ON PREFLOW.  
GAS TO SURFACE ON PREFLOW. GAS WAS COMPLETELY ODORLESS.  
BLOW WAS MEASURED TO PEAK AT 44 MCFD AFTER 30 MIN AND  
DECREASED TO 29 MCFD AT END OF PERIOD. TWO GAS SAMPLES  
WERE TAKEN. RECOVERED 940' SLIGHTLY GAS OUT MUD WITH  
SOME FILTRATE.

MUD & WEIGHT - 9.95, CL - 280 ; RECOVERY & WEIGHT - 9.7, CL - 330  
PREFLOW PSI  
ISIP - 1936 PSI, IFP - 157 PSI, FFP - 423 PSI  
FSIP - 1959 PSI, IHP - 2109 PSI, FHP - 2109 PSI  
BHT - 108°F

MAY HAVE BEEN A SLIGHT LEAK PAST BOTTOM PACKERS  
DURING ISI

TEST OKAY

*[Signature]*  
SIGNATURE COMPANY ENGINEER



# TOUR REPORT

FIELD **EAGLE PINE** WELL NAME **COLE RIDGE** CONTRACTOR **NABORS** WELL NO. **47** DATE **FEB 23 1973**  
 W-137 53' 35'

DRILLING ASSEMBLY	END OF MORNING TOUR	END OF DAYLIGHT TOUR	END OF AFTERNOON TOUR
STANDS	NO 45 419505 FT	NO 419505 FT	NO 410534 FT
SINGLE	NO	NO	3143 FT
X-OVER SUB	507 FT	507 FT	507 FT
OTHER			
DRILL COLLARS	24548 FT	24548 FT	24548 FT
DRILL COLLARS	NO 21625 FT	NO 21625 FT	NO 30151 FT
REAMER			
STABILIZER			
JARS TEST TOOLS	NO 6930 FT	NO 6930 FT	
BUMPER SUB			
BIT OR CORE BARREL			
TOTAL D.P. & TOOLS			1017
KELLY DOWN BELOW RB			<del>7005</del>
DEPTH OF TOOLS			469900

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	4699 FEET		4699
DEPTH START OF TOUR			
FOOTAGE DRILLED			

DAY WORK	HOURS
PUMP	
ROTARY SPEED	
WEIGHT ON BIT	
MUD WEIGHT	
VISCOSITY	
W.L.F.C.	
M.H.	
MUD LEVEL IN TANKS	

NO.	SIZE	SERIAL	BIT KIND AND TYPE	RETRIEVED	DATE	DEPTH
35	8 3/4	KD890	HW J88	10/1/12	-	4699

CORE No.	No.	DST No.	RECOVERY	RECOVERY

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	L. CLEMENTS	F. REICHERT	
DERRICKMAN	B. DOEGE	J. SHANNON	
HELPER	L. BAICH	R. FRIPCHUK	
HELPER	K. SEMMER	W. LUSTAR	
HELPER	N. BARNES	A. KOLODY	
FIREMAN	P. THOMAS		
TOOL PUSHER			

CHE  
 TOUR  
 WEIGHT MAT -  
 GEL - 10  
 R.D. - 9

ON BOTTOM  
 AND FLOW  
 DST #1  
 JOHNSON  
 RAN JOH  
 VALUE W  
 60 mins  
 5:08 AM  
 CLOW IN  
 STEADY T  
 590 FEET  
 1HP -  
 15HP -  
 1HP -  
 FHP -  
 F3HP -  
 FHP -  
 B.H.T.

# CHEVRON SOBC GULF RIDGE YT F-48

OTHER HOURLY OPERATING COSTS  
WORK DONE

WATER CHEMICALS ADDED		From	To	
Foot	Am			
9 73				
R	TOUR	12:00	12:15	RIG SERVO V. BOPS
4 FT		12:15	2:00	TRIP IN W/ D.S.T #1
3 FT		2:00	2:30	RIG UP TESTER
7 FT		2:30	7:15	TEST W/ JOHNSON
		7:15	8:00	TACK OUT TESTER + TRIP CUT
8 FT				4TH STD. WET
1 FT				
		8:00	9:00	WAIT ON DAYLIGHT TO PULL TEST
		9:30	11:30	PULL TEST ALL WET
		11:30	12:00	LAY DOWN TOOL
		12:30	4:00	WAIT ON ORDERS
7 FT				
0 FT	TOUR 3	4:00	6:00	WAIT ON ORDERS
	WEIGHT MAT - 15000#	6:00	8:00	TRIP IN W/ BIT
	GEL - 1000#	8:00	12:00	CIRC. MIX WT MAT. + COND. MUD
	R.D - 9#			

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

ON BOTTOM WITH TEST TOOL AT 2:00 AM. RIG UP TESTING HEAD AND FLOCK MANIFOLD.  
 DST #1 (4602 - 4699) DUAL BOTTOM HOLE.  
 JOHNSON CREEK  
 RAN JOHNSON TESTER TESTING STRING CIV 4 1/2" XH DRILL PIPE. THE VALVE WAS OPENED AT 2:00 AM FOR 5 MINS, INITIALLY SHUT IN FOR 60 MINS. VALVE WAS OPENED AT 4:08 AM FOR 60 MINS. AND CLOSED AT 5:08 AM FOR 180 MIN. FINAL SHUT IN. PRESSURE OBTAINED A FAINT AIR BLOW INCREASING TO VERY GOOD IN 3 MIN ON V.O., REMAINING STEADY THROUGHOUT V.O. NO GAS OR FLUID TO SURFACE. RECOVERED 590 FEET OF WATER CUT BAND AND 2709 FEET OF WATER. CL OF SCOPPM  
 IHP - 2352  
 ISIP - 2292 COMPLETE IMMEDIATELY  
 IFP - 329  
 FFP - 1911  
 FSIP - 2303 COMPLETE IMMEDIATELY  
 FHP - 2332  
 B.H.T. 108°F  
 PULLED OFF BOTTOM WITH NO TROUBLE

*James M. Ward*  
 SIGNATURE COMPANY ENGINEER

# TOUR REPORT

FIELD ENGAGE PLANS WELL NAME CULP RIDGE CONTRACTOR NABIRS TRIP  
 NO. N 67° W 137° SEC. 17 TAP. 23"  
 DATE FEB 22 19 73

DRILLING  DEEPENING  COMPLETING  
 REDRILLING  ABANDONING  REWORKING

DRILLING ASSEMBLY	END OF MORNING TOUR	END OF DAYLIGHT TOUR	END OF AFTERNOON TOUR
STANDS D.P.	NO 44 4 10 25 FT	NO 4 195 05 FT	NO 4 195 05 FT
SINGLE D.P.	NO 1 28 55 FT		
X OVER SUB O.D.	5 07 FT	5 07 FT	5 07 FT
OTHER O.D.			
DRILL COLLARS 6 3/4 O.D.	8 24 54 5 FT	24 54 8 FT	24 54 8 FT
DRILL COLLARS 6 1/4 O.D.	NO 7 21 6 25 FT	21 6 25 FT	21 6 25 FT
REAMER O.D.			
STABILIZER O.D.			
JARS			
BUMPER SUB			
BIT OR CORE BARREL	7 2 0 1 FT		
TOTAL D.P. & TOOLS			
KELLY DOWN BELOW R.B.	2 6 7 3 FT	3 7 1 5 FT	3 7 1 5 FT
DEPTH OF TOOLS	4 6 9 9 0 0 FT	4 6 9 9 0 0 FT	4 6 9 9 0 0 FT

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	4 6 9 9 FEET	4 6 9 9 FEET	4 6 9 9 FEET
DEPTH START OF TOUR	4 6 9 3 FEET	4 6 7 9 FEET	
FOOTAGE DRILLED	6 FEET	Reamed 20 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. P.S.				60	60				
ROTARY SPEED R.P.M.				80	80				
WEIGHT ON BIT W.T.O.B.				12	12				
MUD WEIGHT LB/GAL	9.5			9.6	9.5	9.5			
VISCOSITY SEC/ST	60			75	64	66			
W.L.F.C. CC/3200									
pH									
MUD LEVEL IN TANKS Ft. Ins.									

NO.	SIZE	SERIAL	BIT KIND AND TYPE	BIT SIZES	IN	OUT	FEET	REMARKS
33AR	6 3/4	72A29	WATER DRILL	-	5	4679	4699	20 4 Good
34	8 3/4	794416	SBUG J REED	1 1/2	3 3/4	4679	4699	20 TRIP 821

CORE No.	No.	DIST No.	FRUIT	REMARKS
TYPE		PREFLOW		10 0 10
FROM		1ST		9 5 15
TO		V.G.		60 1 1/2
RECOVERY		F.S.T.		35 9.0
HOURS		RECOVERY		15 7
				39 7 250

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	N. ANNALIA	F. REICHERT	L. CLEMENTS
DERRICKMAN	J. GUNNING	J. SHANNON	B. DOEGE
HELPER	L. MACHISE	R. FIDELIK	L. BAICH
HELPER	N. SAPACH	W. LUCIAR	K. SUMNER
HELPER	P. THOMAS	A. KOLODY	N. BARNES
FIREMAN			P. THOMAS
TOOL PUSHER			

CHEVRON  
 GEL CASHE RD.  
 GEL CASHE RD.  
 CORE TRIP # 34  
 FIND M...  
 CIRC  
 NO T...  
 TOOLS  
 TO M...  
 FLAKE  
 RUNNING  
 AND F...  
 RECORD

Alcohol  
 Ambien  
 Return

# CHEVRON SOBC HULL RIDGE YR T-48

OTHER HOURLY OPERATING DETAIL WORK DONE

WELL	CHEMICALS ADDED	From	To
TOUR 1	GEL	1:00	2:00
	CASHE	2:00	2:15
	R.D.	2:15	5:00
		5:00	6:00
		6:00	6:45
TOUR 2		6:45	8:00
		8:00	9:00
		9:00	9:15
		9:15	9:45
		9:45	2:30
TOUR 3		2:30	3:30
		3:30	4:00
		4:00	4:15
		4:15	5:15
		5:15	5:30
TOUR 4		5:30	5:40
		5:40	6:00
		6:00	6:15
		6:15	

CUT CORE #2  
RIG SERV. VALVE OK  
TRIP OUT.  
RECOVER CORE.  
W/AN. ORDERS.  
Trip in w/bit

TRIP IN  
RIG SERV. 4 1/2 RAINS OK  
RE-BEAM BATHOLE FROM 4647 TO 4679  
BEAM BATHOLE FROM 4679 TO 4699  
CIRCULATE  
DUMM. TRIP 10 STANDS

CLEAN 6' FILL TO BOTTOM  
CIRCULATE TO TEST  
RIG SERV. VALVE COCK OK.  
TRIP OUT.  
RIG SERV. & BLIND RAINS  
MAKE UP DST #1 + HOOK UP  
STEAM TO MOTOR EXHAUSTS + VALVE  
120° LINE FOR ICE PLUGS

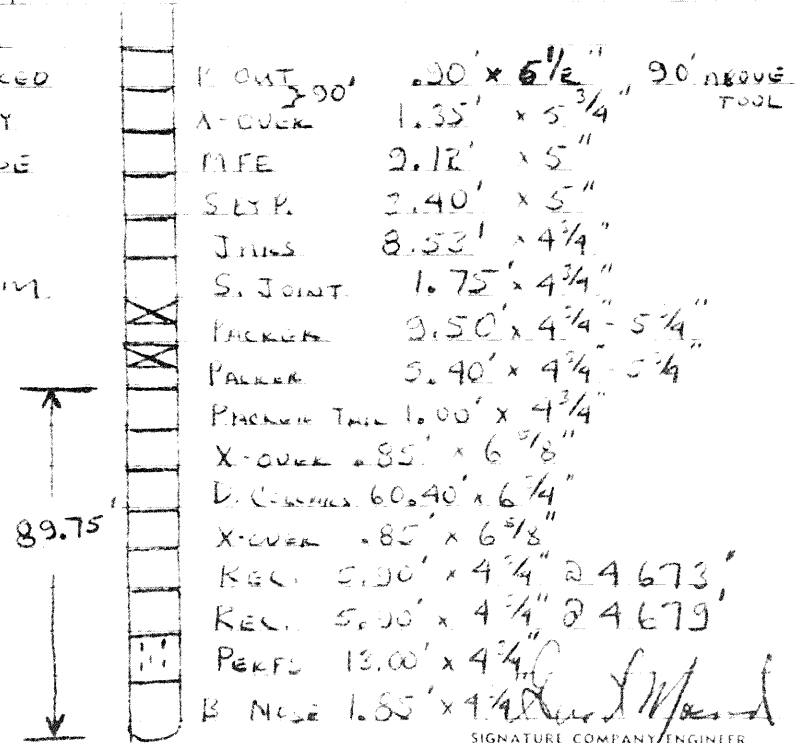
CEMENTING, TESTING, FISHING, SPECIAL JOB DETAILS, INCLUDING ENGINEERING SUMMARIES

Core #2 Interval 4679-4699 - rec 20' - jammed  
TRIPPED OUT AND RECOVERED CORE #2. LAN IN W/BIT  
#34 AND REAMED 20 FEET OF RAT HOLE. MAKE FOR THIS  
AND MADE 10 STAND DUMM. TRIP. HOLE A LITTLE TIGHT.  
CIRC. HOLE FOR 1 HOUR AND TRIPPED OUT TO TEST.  
NO TIGHT SPOTS, MADE UP TEST.

TOOL HOOKED UP STEAM LINES  
TO MOTOR EXHAUSTS AND CHECKED  
FLARE LINE FOR ICE PLUGS BY  
RUNNING DIESEL THROUGH TEST LINE  
AND FLARE LINE.

RECORDER STARTED AT 9:00 AM.

Alcohol Unit  
Ambient +4°F  
Returns +22°F



SIGNATURE COMPANY ENGINEER

# TOUR REPORT

FIELD **LEAKE PLANTS** WELL NAME **GULF RIDGE** CONTRACTOR **NABORS DAIR**  
 ✓ DRILLING [ ] DEEPENING [ ] COMPLETING [ ]  
 [ ] REDRILLING [ ] ABANDONING [ ] REWORKING FOR 24 HOURS ENDING 12 M. ON 1/21/73 **Feb 21** 1973

CHEURON SOB...  
 Kind

DRILLING ASSEMBLY		END OF MORNING TOUR			END OF DAYLIGHT TOUR			END OF AFTERNOON TOUR							
STANDS	D.P. NO	410	461	FT	45	4195	DS	NO	410	465	FT				
SINGLE	D.P. NO		61	35'	NO			NO		28	35'				
X OVER SUB	O.D.		5	07	FT		5	07	FT		5	07			
OTHER	O.D. J Sub		2	50	FT		2	50	FT						
DRILL COLLARS	8 6 3/4" O.D.		24	548	FT		24	548	FT		24	548			
DRILL COLLARS	7 6" O.D.	NO	21	625	FT	NO	21	625	FT	NO	21	625			
REAMER	O.D.				FT				FT						
STABILIZER	O.D.				FT				FT						
JARS					FT				FT						
BUMPER SUB					FT				FT						
BIT OR CORE BARREL					FT				FT		72	01			
TOTAL D.P. & TOOLS					FT		46	64	35	FT					
KELLY DOWN BELOW R.B.			24	74	FT			14	65	FT		20	73		
DEPTH OF TOOLS			46	60	00	FT	7	5'	46	79	00	FT	46	93	00

Gel  
 Caustic  
 Rapid Dr.

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	4660 FEET	4679 FEET	4693 FEET
DEPTH START OF TOUR	4647 FEET	4680 FEET	4679 FEET
FOOTAGE REAMED	13 FEET	19 FEET	14 FEET

DAY WORK	HOURS							
	2:30 AM	4:00 AM	6:30 AM	8:00 AM	10:30 AM	12:00 AM	2:00 AM	4:00 AM
PUMP	60 1350	60 1350	60 1350	60 1350	60 1350	60 1350	60 1350	38 600
ROTARY SPEED	60	60	60	60	60	60	60	70
WEIGHT ON BIT	12m			12m	10	10	25	10
MUD WEIGHT	9.5'			9.5'	9.5	9.5	9.5	9.5
VISCOSITY		75	72	70	60	60	62	62
W.L.F.C.								
pH				9.0	10.0	10.0	10	

Bit # 3  
 Iron re  
 on bit.

NO.	SIZE	SERIAL	BIT KIND AND TYPE	FEET	FEET	FEET	FEET
32	8 3/4	342085	SEC H77	4/12/12	2 3/4	4647	4660
32	8 3/4	342085	SEC H77	4/12/12	8 2	4647	4619
33 RR	6 3/16	72A27	CHRIS		3	4679	4693

CORE	No	No	DST No	FROM	TO	RECOVER	HOURS

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	F. RECHERT	N. Am...	
DERRICKMAN	J. SHANNON	J. ...	Drop 4679 7/8
HELPER	W. LUCIAC	R. ...	
HELPER	A. KOLODY	M. ...	
HELPER		N. ...	
FIREMAN		S. ...	
TOOL PUSHER	D. ...		

6000 gal  
 Deter in  
 Alcohol  
 Ambient  
 Returns

CHEURON SOBC GULF RIDGE YTF-48

MATERIALS CHEMICALS ADDED		From	To
973	Kind	1200	145
R	TOUR	145	200
5	FT	200	245
5	FT	245	600
7	FT	600	800
8	FT		
5	FT		
1	FT		
3	FT		
0	FT		
	TOUR 3	400	530
		530	545
		545	630
		630	800
		800	900
		900	1200

OTHER HOURLY OPERATING DETAIL WORK DONE

TRIP IN  
 BREAK CIRC  
 REAM PATHHOLE TO 8 1/2  
 REPAIR GOOSENECK PACKING  
 REAM PATHHOLE

Rig SERV. V. H. DRILL  
 REAM.  
 DR. 2 3/4" HOLE  
 CIRC.  
 SURVEY DRUP.  
 TRIP TO CORE

TRIP OUT  
 RIG SERV. BLIND RAMS ON  
 PICK UP CORE BARREL  
 TRIP IN W/ RBL.  
 BREAK CIRC & CLEAN TO BOTTOM  
 CUT CORE \* 2

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

Bit # 32 - Reamed 27' drilled 5', Trapped out No Iron recovered in junk subs - no evidence of iron on bit.

6000 gal diesel fuel delivered by White Pass  
 Oiler in with magnet and subs for Testing Tools X hole - req  
 Alcohol Coolant  
 Ambient +2°F  
 Returns +20°F

L. F. Grumbly  
 SIGNATURE COMPANY ENGINEER

**TOUR REPORT**

FIELD **ERGIE PLANS** WELL NAME **GULF RIDGE** CONTRACTOR **NABORS DRIG**  
 [X] DRILLING [ ] DEEPENING [ ] COMPLETING [ ] REDRILLING [ ] ABANDONING [ ] REWORKING  
 SER **N 67° W 137'** SEC **17'** TAP **23"** FEB 20 1973

CHEVRON 50  
KHT

DRILLING ASSEMBLY		END OF MORNING TOUR		END OF DAYLIGHT TOUR		END OF AFTERNOON TOUR	
STANDS	D.P.	NO	FT	NO	FT	NO	FT
		4104	61	4103	56	4104	61
SINGLE	D.P.		61		35		61
X OVER SUB	O.D.		507		507		507
OTHER	O.D.						
DRILL COLLARS	O.D.	8	245	48	245	48	245
DRILL COLLARS	O.D.	7	216	25	216	25	216
REAMER	O.D.						
STABILIZER	O.D.						
JARS				8	43		
BUMPER SUB							
BIT OR CORE BARREL				63	55	250	
TOTAL D.P. & TOOLS				4642	37		
KELLY DOWN BELOW R.B.			14	24	31	63	1174
DEPTH OF TOOLS			4647	00	4674	00	4647

Get  
R Drill  
Cause

Caustic

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR		4674	4647
DEPTH START OF TOUR	4647	4647	
FOOTAGE DRILLED		27	

DAY WORK	HOURS				HOURS			
	2:30 AM	4:00 AM	7:30 AM	8:00 AM	11:30 AM	12:30 AM	2:30 AM	3:00 AM
PUMP					35	35		
ROTARY SPEED					90	90		
WEIGHT ON BIT					12	12		
MUD WEIGHT					95	95		
VISCOSITY					73	70		
W.L.F.C.								
D.H.		10.0			10	10		
MUD LEVEL IN TANKS								

Double  
strap  
Bowl &  
D.H.

SAFE

NO.	SIZE	SERIAL	BIT KIND AND TYPE	FEET	FEET	FEET
31	6 3/16	73A27	◇	3 3/4	4647	4674 27
32	8 3/4	342085	Sec - H77	1-11		2-12

✓ Good  
Tripin

Core  
Iron  
Raw

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	F. REICHERT	N. AMITLIA	
DERRICKMAN	J. SHANNON	J. GYNNING	DROP 4647 7/8
HELPER	W. KOZINSKI	R. FILIPCZYK	
HELPER	W. KUCTAR	L. MACKISA	
HELPER	A. KOLODY	A. SHAPAL	
FIREMAN		R. THOMAS	
TOOL PUSHER			

Alcohol  
Ambient  
Return

CHEVRON SOBC GULF RIDGE 47-F48

OTHER/HOURLY OPERATING DETAIL  
WORK DONE

CHEMICALS ADDED		From	To
973	Kind	1200	1215
1	1	1215	230
5	2	230	245
7	3	245	515
8	4	515	800
5	5	800	835
5	6	835	1000
5	7	1100	1215
5	8	1215	4800
0	9	4800	4915
4	10	4915	430
0	11	430	800
0	12	800	900
0	13	900	1100
0	14	1100	1200
0	15	1200	

RIG SEPV 4 1/2 RAMS OK  
CIRC & CONDITION MUD TO CORE  
~~DRIP TANK TO STANDS~~  
~~CORRECTION~~  
DADP SURVEY  
TRIP OUT DOUBLE STRAP - bl. ad Rams  
PICK UP CORE BARREL & JARS.

RIG SEPV. HYDRIL O.K.  
RUN IN M-CORE BARREL  
BRUAK CIRC & CIRC ON BOTTOM  
GETTING 1 CORE - 27 FT.

RIG SEPV. HYDRIL O.K.  
BLOW KELLY  
TRIP OUT  
RECOVER CORE  
WAIT ON ORDERS  
TRIP IN W/ BIT

CEMENTING, TESTING, FISHING, SPECIAL JOB DETAILS, MOLDING, ENGINEERING, SUMMARIES.

Double Tally Out  
Strap 4675.36  
Rams & 4673.26  
D.H. 1.60 - No Corr. Made

SAFETY - WATCH FOR POST PLUGS.

Core #1 4647 - 4679 - Rev 27' - jammed  
Iron in hole - shanks of core bit scored - bit O.K.  
Ran in with H-22 bit & junk sub

Desilter down

Alcohol knif  
Ambient -11 °F  
Returns +9 °F

*[Signature]*  
SIGNATURE COMPANY ENGINEER



**TOUR REPORT**

FIELD **EAGLE PLAINS** WELL NAME **GULF RIDGE**  
 DRILLING DEEPENING COMPLETION  
 REDRILLING ABANDONING REWORKING

WASORS DAILY  
 467° 17' 23"  
 W 137° 53' 35"  
**FEB 19**

CHEVRON SO

1973

DRILLING ASSEMBLY		END OF MORNING TOUR		END OF DAY (SHIFT) TOUR		END OF AFTERNOON TOUR	
STANDS	D.P.	NO	401128	444	4124	1	410461
SINGLE	D.P.	NO	6191				6135
X-OVER SUB	O.D.		507				507
OTHER	O.D.						
DRILL COLLARS	6" 6400		24548				24548
DRILL COLLARS	7" 6400	NO	21625				21625
REAMER	O.D.						
STABILIZER	O.D.						
WARS	O.D.						
BUMPER SUB	O.D.						
R/T OR CORE BARREL	O.D.						
TOTAL D.P. & TOOLS							
KELLY DOWN BELOW H.R.			3701	4180			1424
DEPTH OF TOOLS			457700	461271			464700
TOLR							
DEPTH-END OF TOUR			4577 FEET	461271			4647
DEPTH-START OF TOUR			4547 FEET	4577			612
FOOTAGE DRILLED			30 FEET	55			35

DAY WORK	HOURS											
	12AM	1AM	2AM	3AM	4AM	5AM	6AM	7AM	8AM	9AM	10AM	11AM
PUMP	60	60	60	60	60	60	60	60	60	60	60	60
ROTARY SPEED	50	50	50	50	50	50	50	50	50	50	50	50
WEIGHT ON BIT	25	25	25	25	25	25	25	25	25	25	25	25
MUD WEIGHT	9.6	9.5	9.6	9.6	9.5	9.5	9.4	9.4	9.4	9.5	9.5	9.6
VISCOSITY	65	63	63	63	60	55	50	50	50	48	41	40

NO	SIZE	SERIAL	DEPTH	TIME	TIME	TIME	TIME	TIME
30	2 1/4	340739A	SEC M88	1 1/2	6 1/2	4547	4577	30
30	2 1/4	340739A	SEC M88	1 1/2	13 1/2	4547	4612	65
					20	4547	4647	100

CORE	NO	TYPE	FROM	TO	REMARKS	HOURS
						11
						9.5
						50
						27.5
						13
						29

DRILLER	DRILLING	HELMAN	HELPER	HELPER	FIREMAN	TOOL PUSHER
F. REICHERT	J. SHANNON	W. KORINSKI	W. LUTKAR	A. KUDRY	N. THOMAS	
N. HANALIA	J. SHANNON	R. FILIPCHAK	L. MAR. LUK	N. SILVERMAN	Y. THOMAS	

OTTER ST  
 Returns  
 Returns  
 Returns

CHEVRON SOBC GULF RIDGE VT-F48

FREE HOURLY OPERATING COSTS  
WORK DONE

1973	Time	From	To
61		1200	100
35		100	115
		115	130
		130	800
25		100	2-5
	50 <sup>3</sup>	2-5	3-0
		1-15	1-15
		1-15	2-15
		2-15	4-00
00		4-00	4-15
		4-30	10:45
		10:45	12:00

TRIP IN  
P. 4 SEW 4 1/2 HAMS OR  
(BROKE) BLOW KELLY & BREAK CIRC.  
DALG P<sup>24</sup>.

WIND 5-10  
REG SERV.  
V. HALLT BUCK 100 P.M. 1000.  
DREG 100.  
LARGE @ 10:12 134

WIND @ 4-10 34  
DALG P<sup>24</sup>.  
CIRCULATE SAMPLE @ 4647

EXTRACTS FROM FINANCIAL RECORDS FOR DETAILS, INCLUDING ENGINEERING SUMMARIES

2.00 2 Pump DEFE. 2 1/2 hrs. 13 Capm. 2 1/2 hrs  
SP. BY 20 11/2 = 11/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2  
WIND 1000 1/2 1/2

Resiltes down needs new generator

OTTER stopped by on way from Upluk to ~~\_\_\_\_\_~~ Parkin

Returned 8<sup>3/4</sup> 588 h.f = 412317 to Whitetish

Refrigeration Conductor B 61  
Ambient -18°F  
Returns +12°F

*L. J. Scrambley*  
SIGNATURE COMPANY ENGINEER

**TOUR REPORT**

FIELD **EAGLE PLAINS** WELL NAME **GULF RIDGE**

CONTRACTOR **NABORS DALS**

DRILLING  DEEPENING  COMPLETING

USE **N 67° W 137'** SEC **11** TWP **23"** R. **35"**

REDRILLING  ABANDONING  REWORKING

FOR 24 HOURS END NO. **FEB 18**

1978

CALCULON

DRILLING ASSEMBLY		END OF MORNING TOUR		END OF DAYLIGHT TOUR		END OF AFTERNOON TOUR	
STANDS	D.P. NO	4011	28 FT	4011	25 FT	4011	23 FT
SINGLE	D.P. NO	3158	FT	3157	FT	3158	FT
X OVER SUR	O.D.	507	FT	507	FT	507	FT
OTHER	O.D.		FT		FT		FT
DRILL COLLARS	8 6 3/4 D	245	48 FT	245	48 FT	245	48 FT
DRILL COLLARS	7 6 1/4 O.D.	216	25 FT	216	25 FT	216	25 FT
REAMER	O.D.		FT		FT		FT
STABILIZER	O.D.		FT		FT		FT
JARS			FT		FT		FT
BUMPER SUB			FT		FT		FT
BIT OR CORE BARREL			FT		FT		FT
TOTAL D.P. & TOOLS			FT		FT		FT
KELLY DOWN BELOW R.B.		1034	FT	3734	FT	3734	FT
DEPTH OF TOOLS		452000	FT	454700	FT	454700	FT

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	4520 FEET	4547 FEET	4547 FEET
DEPTH START OF TOUR	4470 FEET	4520 FEET	4547 FEET
FOOTAGE DRILLED	50 FEET	27 FEET	0 FEET

DAY WORK	HOURS					
	2:00 AM	4:00 AM	6:00 AM	8:00 AM	10:00 AM	12:00 AM
PUMP	60	1350	60	1350	60	1350
ROTARY SPEED	55	55	55	55	55	55
WEIGHT ON BIT	23	23	23	23	23	23
MUD WEIGHT	9.5	9.5	9.6	9.6	9.6	9.6
VISCOSITY	51	52	51	53	45	52
W.L.F.C.	32nd					
p.H.	100	10.0	10.00	10	10	
MUD LEVEL IN TANKS						

NO.	SIZE	SERIAL	BIT KIND AND TYPE	LET STAN IN TANKS	TOOL COLLARS	FEET	TOOL COLLARS	FEET
29	8 3/4	3416848	SEC M88	10/1/77	66	4177	4520	343
29	8 3/4	3-116848R	SEC M88	10/1/77	71	4177	4547	370

CORE NO.	NO.	POST NO.	PRELIM	TYPE	FROM	TO	RECOVERY	HOURS

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	F. REICHERT	H. FARRAR	
DERRICKMAN	J. SHANNON	J. J. THOMAS	IRAP 4547 1/2
HELPER	W. KOZINSKI	R. FILIPCHUK	
HELPER	W. LUCIAR	L. MALISE	
HELPER	A. KOROBY	N. SHAPIRO	
FIREMAN		P. THOMAS	
TOTAL PUSHER			

Ge  
Revised  
Caustic

REDU

SAFETY

Run in  
Pressure  
To 1000  
Displa  
Check

Other  
Retriever  
Don't  
Returns

CHEVRON SOBC GULF RIDGE VTEV8

OTHER HOOPES OPERATING DETAIL WORK DONE

ML	CHEMICALS ADDED	From	To
073		1200	1215
1R	TOUR	1215	810
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
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96			
97			
98			
99			
100			

RIG SHOW HYDRIL OK.  
DRLG 8 1/4

URG. 2 1/2  
SIRE  
SURVEY @ 45-47  
KID JER. ✓ Pipe Rams  
BLOW KELLY THRU INS KELLY SOCK.  
TRIP OUT FOR BIT

TRIP OUT FOR BIT.  
RIG UP TO PRESSURE TEST HYDRIL.  
PRESSURE TEST HYDRIL 1000 PSI FOR 1  
MIG OUT PRESSURE FLANGE & REPAIR BIT GUIDE  
DISPLACE MANIFOLD TO ALCOHOL  
TRIP IN

CEMENTING TESTING FISHING SPECIAL JOB DETAILS INCLUDING ENGINEERING SUMMARIES

REDUCED PUMP RATE 30 SPM 230 GPM 300 PSI

SAFETY DISCUSSION - PROPER WAY OF HANDLING TONGS WHEN PULLING OUT OF HOLE.

Run in test plug to casing bowl. Displace BOPs & Manifold to diesel. Pressure tested Hydril, Manifold and stuffing valve to 1000 psi for 15 min - no bleed back - ALL OK. Displace manifold to alcohol.

Checked Motor Shut offs O.K.

Order in to pick up oxygen for G.P. 15

Retrievement  
Ambient - 30°F  
Returns + 2°F

*Signature*  
SIGNATURE COMPANY ENGINEER

**TOUR REPORT**

FIELD **EAGLE RAINS** WELL NAME **Gulf Ridge**

CONTRACTOR **NABORS** PAGE **1**

DRILLING  DEEPENING  COMPLETING  
 REDRILLING  ABANDONING  REWORKING

LSZ **N 67° W 137'** SEC **17'** TWP **23''**  
**53'** **35''**  
 FOR 24 HOURS ENDING 12 M. DNIGHT **FEB 17**

CHEVRON GULF  
 CHEMICAL  
 1973

DRILLING ASSEMBLY		END OF MORNING TOUR		END OF DAYLIGHT TOUR		END OF AFTERNOON TOUR	
STANDS	D.P.	NO	382299 FT	NO	42394079 FT	NO	391677 FT
SINGLE	D.P.	NO	6298 FT	NO	3152 FT	NO	6293 FT
X OVER SUB	O.D.		507 FT		507 FT		507 FT
OTHER	O.D.						
DRILL COLLARS	8 6 3/4 D		24548 FT	5	24548 FT		24548 FT
DRILL COLLARS	7 6 3/4 D	NO	21625 FT	NO	21625 FT	NO	21625 FT
REAMER	O.D.	KIND		KIND		KIND	
STABILIZER	O.D.	KIND		KIND		KIND	
JARS		KIND		KIND		KIND	
BUMPER SUB		KIND		KIND		KIND	
BIT OR CORE BARREL							
TOTAL D.P. & TOOLS							
KELLY DOWN BELOW R.B.			3723 FT		1491 FT		3350 FT
DEPTH OF TOOLS			439000 FT		443000 FT		447000 FT

TOUR  
**G-EL 1500# RAPIDRIL 6H**

TOUR  
**G-EL Rapidrill**

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	4390 FEET	4430 FEET	4470 FEET
DEPTH START OF TOUR	4355 FEET	4390 FEET	4430 FEET
FOOTAGE DRILLED	35 FEET	40 FEET	40 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	60/1350	60/1350	60/1350	60/1350	60/1350	60/1350	60/1350	60/1350	60/1350	60/1350	60/1350	60/1350
ROTARY SPEED	55	55	55	55	55	55	55	55	55	55	55	55
WEIGHT ON BIT	20	20	20	23	23	23	23	23	23	23	23	23
MUD WEIGHT	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
VISCOSITY	41	42	41	39	39	42	48	48	50	50	52	52
W.L.F.C.												
pH	10.0	10.0	10.0	10	10	10	10	10	10	10	10.0	10.0
MUD LEVEL IN TANKS												

REDUCED

SAFETY

Dumped Into

No ga

NO.	SIZE	SERIAL	BIT KIND AND TYPE	EXPIRES	DATE	TIME	TIME	TIME	TIME
29	8 3/4	341684R	SEC M88	10/1/12	44	4177	4390	213	
29	8 3/4	341684R	SEC M88	10/1/12	51	4177	4430	253	
					58	4177	4470	293	

CORE NO.	NO.	DST NO.	FROM	TO	RECOVERY	RECOVERY
					11	0.12
					95	10
					50	11 1/2
					28	9.0
					15	6
					26	150

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	<b>F. REICHERT</b>	<b>N. AMALIA</b>	
DERRICKMAN	<b>J. SHANNON</b>	<b>J. GUNNING</b>	
HELPER	<b>W. KOZINSKI</b>	<b>R. FILIPCHUK</b>	<b>WIREL 4390 1 1/2</b>
HELPER	<b>W. LUTKAR</b>	<b>L. MACLISE</b>	<b>LINE 4445 1 1/2</b>
HELPER	<b>A. KRODY</b>	<b>N. SASSON</b>	
FIREMAN		<b>PIPER THOMAS</b>	
TOOL PUSHER			

OTTER in Tool pusher

Return

CHEVRON GULF RIDGE YTF48

ML	CHEMICALS ADDED	From	To
19 73		1200	1215
UR	TOUR	1215	100
7 FT	G-EL 1500#	100	8:00
3 FT	RAPIDRIL 6#		
7 FT			
8 FT			
5 FT			
ET	TOUR	8:30	9:15
ET	G-EL 1500#	9:15	9:30
ET	Rapidril 6#	9:30	9:45
ET		9:45	10:15
ET		10:15	4:00
0 FT			
0 FT	TOUR	4:00	8:00
FEET		8:00	8:15
FEET		8:15	8:45
FEET		8:45	1200
HOURS			
1:30 PM			

OTHER HOURS OPERATING LIFTAIL WORK DONE

RIG SERV. 4 1/2 RANS OK  
 REPAIR AIR SEAL IN COMPOUND  
 DRIG 8 3/4 HOLE

DRIG 8 3/4 HOLE  
 RIG SERV  
 ✓ LUBRIL MOTOR PART OK  
 SURVEY @ 4390  
 DRIG 8 3/4 HOLE

DRIG 8 3/4  
 RIG SERV 4 1/2 RANS OK  
 SURVEY @ 4445 1 1/2  
 DRIG 8 3/4

CEMENTING TESTING FISHING SPECIAL JOB DETAILS INCLUDING ENGINEERING SUMMARIES

REDUCED PUMP RATE 32 SPM. 230 @ .PM. 300 ~~PSI~~ PSI

SAFETY TOPIC - ~~ALL~~ MEN SHOULD NEVER CARRY TOOLS IN POCKETS.

Dumped Shaker Tank, dumped 1/2 premix Tank into system

No gas cutting after mud weight raised to 9.4

12  
6  
10  
1 1/2  
9.0  
6  
150

OTter in Twice on Trip Parker - Uplake - Parlein with change in Toolpushers - mud engineer out.

Rehydration  
 Ascent -28°F  
 Return +4°F

L F Greenly  
 SIGNATURE COMPANY ENGINEER

# TOUR REPORT

FIELD **EAGLE PLAINS** WELL NAME **N 67°** CONTRACTOR **NABORS** PLANT NO. **1**  
 W 137° S 3' SEC 23' T20P  
 DRILLING  DEEPENING  COMPLETING  REDRILLING  ABANDONING  REWORKING FOR 24 HOURS ENDING 12 MIDNIGHT **FEB 16** 1973

CHEVRON SO  
 CHEMICAL

DRILLING ASSEMBLY		END OF MORNING TOUR		END OF DAYLIGHT TOUR		END OF AFTERNOON TOUR			
STANDS	D.P. NO	372903	FT	NO 41	382499	FT	NO	382299	FT
SINGLE	D.P. NO	6254	FT	NO		FT	NO	3149	FT
X OVER SUB	O.D.	507	FT		507	FT		507	FT
OTHER	O.D.		FT			FT			FT
DRILL COLLARS	8 6 3/4 D	24548	FT	8	2-548	FT		24548	FT
DRILL COLLARS	7 6 1/4 O.D.	21625	FT	NO 7	21025	FT	NO	21625	FT
REAMER	O.D.		FT	KIND		FT	KIND		FT
STABILIZER	O.D.		FT	KIND		FT	KIND		FT
JARS			FT	KIND		FT	KIND		FT
BUMPER SUB			FT	KIND		FT	KIND		FT
BIT OR CORE BARREL			FT			FT			FT
TOTAL D.P. & TOOLS			FT			FT			FT
KELLY DOWN BELOW R.B.		3163	FT		3021	FT		3372	FT
DEPTH OF TOOLS		429000	FT		432000	FT		435500	FT
TOUR		MORNING TOUR		DAYLIGHT TOUR		AFTERNOON TOUR			
DEPTH END OF TOUR		4290	FEET	4320	FEET	4355	FEET		
DEPTH START OF TOUR		4252	FEET	4292	FEET	4320	FEET		
FOOTAGE DRILLED		38	FEET	30	FEET	35	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	60 1150	60 1150	60 1150	60 1150	60 1300	60 1300	60 1300	60 1300	60 1300	60 1300	60 1200	60 1200
ROTARY SPEED	55	55	55	55	55	55	55	55	55	55	55	55
WEIGHT ON BIT	20				20	20	20	20	20	20	20	20
MUD WEIGHT				9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.3	9.5
VISCOSITY				44	44	43	42	42	42	42	42	43
W.L.F.C.												
pH				10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
MUD LEVEL IN TANKS												

NO.	SIZE	SERIAL	BIT KIND AND TYPE	FEET IN USE	TOTAL FEET	THURS	WED	TUE	MON	SUN
29	8 3/4	341684	SEC m88	10/11/2	24 3/4	4177	4290	113		
					37	4177	4355	178		

CORE No	No	DST No	PRE FLOW	HP	HP	HP	HP	HP	HP	HP
FROM										
TO										
RECOVERY										
HOURS										

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	E. REICHERT	N. AMANDA	
DERRICKMAN	J. SHANNON	J. GUNN WC	
HELPER	W. KOZINSKI	R. FIDIPCHUK	Line 4236 2 1/8
HELPER	W. LUCTMAR	K. MORTISE	Line 4299 2 1/8
HELPER	A. COLODY	N. SAPPACH	
FIREMAN		PAULRES THOMAS	
TOOL PUSHER			

REDUCE  
 Send 2  
 1 - 8 3/4  
 1 - 12  
 1 - 600  
 1 - 50  
 1 - 8 3/4

Received  
 1 - 8 3/4  
 1 - 8 3/4  
 6000 g

Refrigerator  
 Ambient  
 Returns

CHEVRON SOBC GULF RIDGE YTF48

OTHER HOURLY OPERATING DETAIL  
WORK DONE

ML	CHEMICALS ADDED	From	To	WORK DONE
73		12:00	12:15	RIG SERV HYDRIL OK DRILG 8 3/4 HOLE
72		12:15	8:00	
71				
70				
69				
68				
67				
66				
65				
64				
63				
62				
61				
60				
59				
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13				
12				
11				
10				
9				
8				
7				
6				
5				
4				
3				
2				
1				

DRILG 8 3/4 HOLE.  
RIG SERV.  
NEW - ROCK ✓ HYDRILL ✓ MOTOR SWAP  
OFF ✓ APPL ✓ OK.  
SURVEY @ 4299 2 1/2"  
DRILG 8 3/4 HOLE.  
  
DRILLING 8 3/4 HOLE.  
RIG SERV HYDRIL OK.  
WORK ON OIL SEAL IN COMPOND.

CEMENTING TESTING FISHING SPECIAL JOB DETAILS INCLUDING ENGINEERING SUMMARIES

REDUCED PUMP RATE 30 SPM 230 GPM 300 P.S.I.

- Send to Chevron Whitefish YTF 70
- 1 - 8 3/4" - DSS security Bit Ser # 913636
  - 1 - Dulco Blade Stabilizer # 70888 (70488)
  - 1 - Grant Cushion Stabilizer Ser # 9130, 0900-21-Pink, 8888 12oz end
  - 1 - Set new Dulco Blades
  - 1 - 8 3/4" cushion stabilizer

- Received from Chevron Whitefish YTF 70
- 1 - 8 3/4" DMS bit Ser # 913569
  - 1 - 8 3/4" SBE bit Ser # 912511

6000 gal fuel delivered by White Pass

Refrigeration  
Ambient - 28°F  
Returns + 6°F

*Signature*  
SIGNATURE COMPANY ENGINEER



# TOUR REPORT

CONTRACTOR **NABORS**

FIELD **RIDGE** WELL NAME **C. RIDGE** USD **N 67** SEC **17** TWP **23** R. **35**  
 W-1370 53 35 1973

DRILLING ASSEMBLY	END OF MORNING TOUR	END OF DAYLIGHT TOUR	END OF AFTERNOON TOUR
STANDS D.P.	NO 39 363574 FT	NO 40 372903 FT	NO 372903 FT
SINGLE D.P.	NO 2 6157 FT	NO 3163 FT	NO 3163 FT
X OVER SUB O.D.	507 FT	507 FT	507 FT
OTHER O.D.			
DRILL COLLARS 3-6 3/8 D	24548 FT	24548 FT	24548 FT
DRILL COLLARS 7 6 1/4 O.D.	NO 21625 FT	NO 7 21625 FT	NO 21625 FT
REAMER O.D.			
STABILIZER O.D.			
JARS			
BUMPER SUB			
BIT OR CORE BARREL			
TOTAL D.P. & TOOLS	416442 FT	429583 FT	422746 FT
KELLY DOWN BELOW R.B.		2817 FT	2454 FT
DEPTH OF TOOLS		422400 FT	425200 FT

TOUR  
 GEN-1000  
 R.D. 1  
 TOUR  
 WT Mat  
 Gel  
 Rapid  
 Concrete

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	4190 FEET	4224 FEET	4252 FEET
DEPTH START OF TOUR	4177 FEET	4190 FEET	4224 FEET
FOOTAGE DRILLED	13 FEET	34 FEET	28 FEET

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	11:30 PM	1:00 AM
PUMP SPM	60	60	60	60	60	60	60	60	60	60	60	60	60
ROTARY SPEED RPM	55	55	55	55	55	55	55	55	55	55	55	55	55
WEIGHT ON BIT M lbs	5/10/18	18	20	20	20	20	20	20	20	20	20	20	20
MUD WEIGHT lb gal	8.8	9.1	9.1	9.2	9.2	9.2	9.2	9.2	9.5	9.4	9.4	9.5	9.5
VISCOSITY sec ct	40	42	50	47	45	44	45	47	45	47	46	46	46
W.L.F.C. cc 32nd	140	140	140	140	140	140	140	140	140	140	140	140	140
pH	7.0	10	10	10	10	10	10	10	10	9.5	9.5	9.5	9.5
MUD LEVEL IN TANKS Ft Ins													

NO.	SIZE	SERIAL	BIT KIND AND TYPE	JET SIZES IN IN.	FEET	FEET	FEET
29	8 3/4	341684	R SEC-M-88	10 1/2	4	4177	4190
29	8 3/4	341684	R SEC-M-88	10 1/2	11	4190	4224
					17 3/4	4252	75

CORE No	No	DST No	FROM	TO	RECOVERED FEET	RECOVERY
TYPE		PREFLOW	mins	FT	11	0.15
FROM		FSI	mins	FT	9.4	0.10
TO		V.O	mins	FT	46	13/2
RECOVERY		FSI	mins	FT	8	9.5
HOURS		RECOVERY			8	5

SIGNATURE	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	L. CLEMENTS	N. AMALIO	E. REICHERT
DERRICKMAN	B. DOEGE	J. GUNNING	J. SHANNON
HELPER	L. BAILH	R. FILIPCHAK	W. KOZINSKI
HELPER	K. SCHMER	L. MACLISE	W. KUCHAR
HELPER	N. BARNES	N. SAPACH	A. KOLODY
FIREMAN	M. REND	PHARES THOMAS	
OTHER	A. KALIDY		

OTT  
 Eastland  
 Rodriguez  
 in-32015

*J. Waters*

Cherron SUBC Gulf Ridge Y.T. F-48

OTHER HOURLY OPERATING DETAIL  
WORK DONE

TIME	CHEMICALS ADDED	From	To	OTHER HOURLY OPERATING DETAIL WORK DONE
973				
0	TOUR	12:00	1:00	TRD IN "B.T" # 21
3	GENI 1000#	1:00	2:00	THAW RATING AND + KELL
3	GENI 50#	2:00	4:00	BRE. CIRC. AND GO TO BTM. CIRC. HAS CUT MUD
7	R.D. 1#	4:00	8:00	DRUG. 8 3/4 HOLE
8				
8				
8				
8				
8	TOUR	8:00	11:00	DRUG 8 3/4 HOLE
8	WT Mat	11:00	11:15	RIG SERV. +
8	Gel	11:15	11:30	VALVE DRILL + MOTOR START OFF WORK
8	Rapidol	11:30		DOWN.
8	Canstic	11:30	12:00	CIRC. GAS CUT MUD.
6		12:00	7:00	DRUG. 8 3/4 HOLE. MUD GAS CUT.
4				
0	TOUR	4:00	6:45	DRUG 8 3/4 HOLE.
0		6:45	7:30	Survey
0		7:30	8:00	Rpc Pump - valve seat w/o
0		8:00	12:00	Dr 1g

LEARNING TESTING FISHING SPECIAL JOB DETAILS INCLUDING ENGINEERING SUMMARIES

\* SAFETY TOPIC - KLEEN UP MESS AFTER ANY REPAIR WORK - LYLE.

REDUCED PUMP RATE  
SPM 30  
GPM 210  
PSI 350

OTter in twice with crew change  
Eastland Core Hands changed out - Nicholson out Stocking in

Refrigeration  
in - 32°F Out - 12°F

*L. G. Lumley*  
SIGNATURE COMPANY ENGINEER

**TOUR REPORT**

FIELD **EASAL PLAINS** WELL NAME **GULF RIDGE**

CONTRACTOR **NABORS**  
ESD **N67°** SEC **17'** TWP **23''**  
**W1370** **53'** **35''**

WELL NO **1**  
DATE **FEB 14** 19**73**

*Chie*

DRILLING  DEEPENING  COMPLETING  
 REDRILLING  ABANDONING  REWORKING

DRILLING ASSEMBLY		END OF MORNING TOUR			END OF DAYLIGHT TOUR			END OF AFTERNOON TOUR				
STANDS	39 DP	NO	36	35	74	FT	NO				-4	FT
SINGLE	DP	NO			30	37	FT	NO				FT
X OVER SUB	OD				50	7	FT					FT
OTHER	OD						FT					FT
DRILL COLLARS	6 3/4 OD	8			24	5	48	FT				FT
DRILL COLLARS	6 1/4 OD	NO 7			21	6	25	FT	NO			FT
REAMER	OD	KIND						FT	KIND			FT
STABILIZER	OD	Blade			40	2		FT				FT
JARS		KIND						FT	KIND			FT
BUMPER SUB		KIND						FT	KIND			FT
BIT OR CORE BARREL								FT				FT
TOTAL DP & TOOLS			41	36	93	FT		6				FT
KELLY DOWN (BELOW RB)					41	00	FT				L	FT
DEPTH OF TOOLS			41	7	7	93	FT				7	FT

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR			
DEPTH START OF TOUR	41	7	7
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												
WEIGHT ON BIT												
MUD WEIGHT												
VISCOSITY												
WL F C	/	/	/	/	/	/	/	/	/	/	/	/
pH												
MUD LEVEL IN TANKS												

NO.	SIZE	SERIAL	BIT KIND AND TYPE	FT. SIZES	TOTAL FEET	FROM	TO
29	8 1/2	341684	R SEC M88	10 1/2		4177	

CORE No	DST No	FROM	MUD LOG		MUD LOG		MUD LOG	
			PREFLOW	EST	EST	EST	EST	EST
			7	30				
					9.2			
					42		10 1/2	
					155		9.5	
							3	

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	Nick Amalia	L. CLEMENTS	
DERRICKMAN	J. GUNNING	B. DOELE	Drop 4177 1 1/2
HELPER	R. Filipovich	K. BAICH	
HELPER	L. MacLise	K. ZUMMER	
HELPER	A. KOLODY	M. BARNES	
FIREMAN	N. SAPACH	M. READ	PHARES THOMAS
PUSHER	J. Waters		

Tally out  
SLM  
Board  
Ditt  
No Core

Falco  
oil & fork  
Otter m

Sent To  
SMEAR BIT  
= 9590  
= 9049  
= 10871  
= 9027  
= 8983

~~GA~~ CHEVIM GALE RIDGE YTF-48

OTHER HOURLY OPERATING DETAIL WORK DONE

MURPHY CHEMICALS ADDED	From	To	
TOUR	12:00	12:15	
4 FT	12:15	5:00	
FT	5:00	8:00	
FT			
FT			
FT			
FT			
FT	8:00	8:15	
FT	8:15	9:30	
FT	9:30		
FT		4:00	
FT			
FT			
FT			
FT			
FT			
TOUR 3	8:00	11:00	
R	11:00	12:00	
FEET			
FEET			
FEET			
HOURS			
12:30 P.M.			

RIG SERVICE ✓ B.C.P.S.  
 TRIP OUT FOR BIT. STRAP OUT.  
 STRIPPER STUCK IN B.C.P.S. PULL OUT  
 SAME.  
 Stripper cut in Blind Rams.  
 Done.

RIG SERVICE ✓ B.C.P.S.  
 RUN IN DW BIT + 5 STANDS.  
 WORK ON 1 MOTOR COMPOUND  
 BEARING + COMPOUND CHAINS.

WORK ON #1 MOTOR COMPOUND.  
 RUN IN HOLE.

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

Tally out

S&M	4178.79	Load down Drilled Blade
Board	4177.93	Stabilizer # 65367 (70344)
Ditt"	0.86	5 hrs since changing blades
No Core Made		

Falcon in with 14 pallets wt material, 2 bbl hydraulic oil & fork lift

Driller made 2 stops with personnel.

Sent to Parker via Falcon  
 5 Wear BIT Runners : 2 string cleaners (no numbers found) unused w/ 4 1/2 FH connections.  
 # 9590  
 # 9049  
 # 10871  
 # 9027  
 # 8983

*Lo. F. Gumbly*  
 SIGNATURE COMPANY ENGINEER

**TOUR REPORT**

FIELD *Esqal Plains* WELL NAME *Gulf Ridge*

CONTRACTOR *Nabors*

DRILLING  DEEPENING  COMPLETING

LSZ *N67°* SEC *17* TWP *23"*  
*W137°* *53* *35"*

REDRILLING  ABANDONING  REWORKING FOR 24 HOURS ENDING 12 MIDNIGHT

*FEB 13 1973*

*COILED ROLL*

DRILLING ASSEMBLY		END OF MORNING TOUR		END OF DAYLIGHT TOUR		END OF AFTERNOON TOUR	
STANDS	DP	NO <i>35</i>	<i>354134</i> FT	NO <i>39</i>	<i>363574</i> FT	NO	<i>363577</i> FT
SINGLE	DP	NO <i>2</i>	<i>6287</i> FT	NO <i>X</i>	<i>3037</i> FT	NO	<i>3037</i> FT
X-OVER SUB	OD		<i>507</i> FT		<i>507</i> FT		<i>507</i> FT
OTHER	OD						
DRILL COLLARS	OD	<i>6 3/4</i>	<i>24548</i> FT		<i>24548</i> FT		<i>24548</i> FT
DRILL COLLARS	OD	<i>6 1/4</i>	<i>21625</i> FT		<i>21625</i> FT		<i>21625</i> FT
REAMER	OD						
STABILIZER	OD	<i>BLADE</i>	<i>402</i> FT		<i>402</i> FT		<i>402</i> FT
JARS							
BUMPER SUB							
BIT OR CORE BARREL							
TOTAL DP & TOOLS			<i>407503</i> FT		<i>413894</i> FT		<i>413894</i> FT
KELLY DOWN BELOW R B			<i>2497</i> FT		<i>2406</i> FT		<i>4100</i> FT
DEPTH OF TOOLS			<i>410000</i> FT		<i>416300</i> FT		<i>417894</i> FT
TOUR		MORNING TOUR		DAYLIGHT TOUR		AFTERNOON TOUR	
DEPTH END OF TOUR			<i>4100</i> FEET		<i>4163</i> FEET		<i>4177</i> FEET
DEPTH START OF TOUR			<i>4069</i> FEET		<i>4100</i> FEET		<i>4163</i> FEET
FOOTAGE DRILLED			<i>31</i> FEET		<i>63</i> FEET		<i>14</i> 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
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>	<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>	<i>55</i>
WEIGHT ON BIT	<i>18</i>	<i>18</i>	<i>18</i>	<i>18</i>	<i>18</i>	<i>18</i>	<i>18</i>	<i>18</i>	<i>18</i>	<i>18</i>
MUD WEIGHT	<i>8.9</i>	<i>8.8</i>	<i>8.8</i>	<i>8.8</i>	<i>8.8</i>	<i>8.9</i>	<i>9.0</i>	<i>9.1</i>	<i>9.2</i>	<i>9.2</i>
VISCOSITY	<i>43</i>	<i>43</i>	<i>42</i>	<i>43</i>	<i>41</i>	<i>40</i>	<i>45</i>	<i>45</i>	<i>45</i>	<i>45</i>
WL F C	<i>13.6</i>	<i>13.4</i>	<i>13.4</i>	<i>14.1</i>						
pH	<i>9.0</i>	<i>9.0</i>	<i>9.0</i>	<i>9.0</i>	<i>10.1</i>	<i>10</i>				
MUD LEVEL IN TANKS										

NO.	SIZE	SERIAL	BIT KIND AND TYPE	BIT SIZES IN TANKS	TOTAL FEET	FROM	TO
<i>28</i>	<i>8 3/4</i>	<i>343063R</i>	<i>SEC 588</i>	<i>19 1/2</i>	<i>3658</i>	<i>4100</i>	<i>442</i>
<i>28</i>	<i>8 3/4</i>	<i>343063R</i>	<i>SEC 5-88</i>	<i>19 1/2</i>	<i>56</i>	<i>3658</i>	<i>4163</i>
<i>28</i>	<i>8 3/4</i>	<i>343063R</i>	<i>SEC 5-88</i>	<i>19 1/2</i>	<i>58 1/2</i>	<i>3658</i>	<i>4177</i>

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	<i>N. P. MALIA</i>	<i>L. CLEMENTS</i>	
DERRICKMAN	<i>G. GANNIN'S</i>	<i>B. DUFF</i>	
HELPER	<i>R. FILIPCHUK</i>	<i>L. BAIN</i>	
HELPER	<i>L. MACHISE</i>	<i>F. SCHMER</i>	
HELPER	<i>A. KOLODY</i>	<i>N. BARNES</i>	
FIREMAN	<i>N. SPACH</i>	<i>M. READ</i>	
TOOL PUSHER			

*350-500*  
*W. M. ...*  
*...*

*Blow*  
*Revised*  
*NOTE: Ke*  
*Gas kick*  
*on drill*  
*through*  
*started*  
*with cu*  
*Time rep*  
*Table a*

*SAFETY*  
*12.12.73*  
*Refrigerator*  
*In - 45°F*

CHEURON GULL RIDGE YTF-48

OTHER HOURLY OPERATING DETAIL  
WORK DONE

MU	CHEMICALS ADDED	From	To	OTHER HOURLY OPERATING DETAIL WORK DONE
7 1/2		12.00	2.30	DRLG 8 3/4 HOLE.
R	TOUR	2.30	3.45	Rig Set W. HYDRILL
7 FT		3.45	3.45	SURVEY @ 4085.2'
7 FT		3.45	3.45	DRLG 8 3/4 HOLE
7 FT		3.45	4.45	GAS KICK CLOSE 1/4 DRILL PIPE CHANGE ON CHSING.
8 FT		4.45	5.45	CR. GAS THROUGH CHLKE.
5 FT		5.45	8.00	DRLG 8 3/4 HOLE.
8 FT	TOUR	9.00	9.45	DRLG 8 3/4 HOLE
2 FT	CEL-500 #	9.45	10.00	KILL GAS & KILL DRILL PIPE RATE - THROU SHHE
7 FT	WT. METERING 1500 #	10.00	1.45	DRLG 8 3/4 HOLE
7 FT	KAPRIKIN 2 #	1.45	2.00	CONN. UNDER SHUTTERS - WELL RUNNING
7 FT	WATER 50 #	2.00	4.00	DRLG 8 3/4 HOLE
4 FT				
0 FT				
4 FT	TOUR 3	4.00	6.45	DRLG 8 3/4 HOLE
7 FT		6.45	8.00	CR. PRIOR TO 10 STD. DUMMIE TRIP
7 FT		8.00	10.15	10 STD. DUMMIE TRIP.
7 FT		10.15	11.15	CIRC.
7 FT		11.15	12.00	SURVEY + 13 LOW KELLY.

CEMENTING TESTING FISHING SPECIAL JOB DETAILS INCLUDING ENGINEERING SUMMARIES

BLOW OUT MANIFOLD + FILL SAME WITH ALCOHOL 30 GAL.  
Reduced Pump Rate 30 GPM 150 GPH 300 LPS

NOTE - KELLY NOW 41.00

Gas kicks at 4088 - shut well in - no pressure increase on drill pipe or manifold gauges. Circulated well through manifold for one hour - opened hydrant - well ok started bubbling. Gas appears to be coming to surface with cuttings.

Time required to shut off pump, pull Kelly from bottom to above table and close hydrant - 90 seconds.

SAFETY TOPIC - PROPER WAY OF STABBING PIPE.

Duice Stabilizer #65367 (70344) 59 hrs

Refrigeration  
In - 45°F Out - 14°F

L. J. Lumbly  
SIGNATURE COMPANY ENGINEERS

**TOUR REPORT**

FIELD EAGAL PLAINS WELL NAME GULL RIDGE

NABURS  
 NO. 17 OF 23  
W137 53 35

DRILLING  DEEPENING  COMPLETING  
 REDRILLING  ABANDONING  REWORKING

FEB 12 1973

DRILLING ASSEMBLY		END OF MORNING TOUR		END OF DAYLIGHT TOUR		END OF AFTERNOON TOUR		
STANDS	DP NO 31	3	45204 FT	NO 31	3	45204	38	354134
SINGLE	DP NO		3150	NO 2		2037	1	3150
X OVER SUB	OD		507	X O		507		507
OTHER	OD							
DRILL COLLARS	6 2 OD NO 8		24548	3-6 3/4		21548	8	24548
DRILL COLLARS	6 2 OD NO 7		21625	7 6 1/4		21625	7	21625
REAMER	OD							
STABILIZER	OD GRADE		402	STAB		402		402
JARS	KIND							
BLUMPER SLB	KIND							
BIT OR CORE BARREL								
TOTAL DP & TOOLS			395436			398323		404366
KELLY DOWN BELOW RB			<del>395264</del>			2877		2534
DEPTH OF TOOLS			396700			401200		406900

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	3967 FEET	4012 FEET	4069
DEPTH START OF TOUR	3921 FEET	3967 FEET	4012
FOOTAGE DRILLED	46 FEET	45 FEET	57

DAY WORK	HOURS													
	7-8 AM	8-9 AM	9-10 AM	10-11 AM	11-12 AM	12-1 PM	1-2 PM	2-3 PM	3-4 PM	4-5 PM	5-6 PM	6-7 PM	7-8 PM	8-9 PM
PUMP	60	60	60	60	60	60	60	60	60	60	60	60	60	60
ROTARY SPEED	52	52	52	52	52	52	55	55	55	55	55	55	55	55
WEIGHT ON BIT	20	18	18	18	18	18	22	22	22	22	18	18	18	18
MUD WEIGHT	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.8	8.8	8.9	8.9	8.9
VISCOSITY	46	45	43	40	42	47	48	47	48	47	44	44	44	44
W.L.F.C.	12.6	13.9	12.2	12.9		13.2					13.6	13.6	13.6	13.6
pH	9.0	9.0	9.0	9.0		9.5					9.5	9.5	9.5	9.5

MUD LEVEL IN TANKS

NO.	SIZE	SERIAL	SEC.	SEE	DATE	DEPTH	DEPTH	DEPTH	DEPTH
28	8 3/4	343063R	SEC.	SEE	11/12	29	3658	3967	309
28	8 3/4	343063R	SEC.	SEE	11/12	36 1/4	3658	4012	359
28	8 3/4	343063R	SEC.	SEE		43 1/4	3658	4069	411

CORE NO.	NO.	DATE	DEPTH	DEPTH	DEPTH	DEPTH
			8.9	12	12 1/2	9.2
			4.2			3
			1.8			1.8
			9			2.50

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	N. AMALIA	L. CLEMENTS	
DRILLER/HELPER	J. GUNNING	D. DEEGE	
HELPER	R. FILIPCHUK	L. BARKER	
HELPER	L. MACHISE	K. SUMMER	
HELPER	A. KOLODY	N. BARNES	
FIREMAN	N. SAJDAH	M. READ	
TOOL PUSHER			

GL... 700  
 800  
 1000

Blow  
 Drill  
 on a  
 Gas  
 up kelly  
 hydril-  
 Reduc  
 DESINTE  
 shut  
 Stand  
 Dulco

R. Arquier  
 In - 50'

NEURON GULF RIG 56 AT F-45

OTHER HOURLY OPERATING LOGS  
WORK DONE

TIME	CHEMICALS ADDED	TIME	TIME
12:00		12:00	
1:00		1:00	
2:15		2:15	
7:15		7:15	
7:30		7:30	
8:00		8:15	
8:15		12:45	
12:45		1:15	
1:15		4:00	
4:00		5:00	
5:00		5:15	
5:15		7:00	
7:00		7:15	
7:15		7:45	
7:45		8:00	
8:00		9:45	
9:45		12:00	

DRUG 3/4 HOLE  
RIG SERVO + V BOOPS  
LUB + SERV + 0.100 2.0  
DRUG 3/4 HOLE  
Comm  
DRUG 3/4 HOLE

REDUCED DRILL PUMP RATE  
DRUG 3/4 HOLE  
SERVO @ 3.157 1 1/2  
DRUG 3/4 HOLE

DRUG 3/4 HOLE  
RIG SERVO + RAMS  
DRUG 3/4 HOLE  
V FOR HOLE INCH - 0  
V FOR FLOW  
DRUG 3/4 V 2 FOR HOLE FLOW O.K.  
Comm DRUG 3/4 HOLE

CONVENTIONAL DRILLING OPERATIONS - 28 DETAILS - HOLDING - OPERATING - SUMMARIES -58°F

Blow out drill well with Amalgam crew.  
Drilling break at 3910 - drilling erratic from then on and very rough on occasions.  
Gas kick on analyzer at 6970 - shut off pumps and pulled up Kelly to check mud in hole - mud stable - checked out hydril - O.K.

Reduced Pump Rate - 30 strokes 300 psi 180gpm (flow slow)  
DESIGTER 5 HRS TO L-10 4.3 PSC 3.5 PM TO TANKS 8.9 PSC  
shut well in - no build up recorded on manifold or stand pipe gauges.

Dules Stabilizer = 65367 (70314) 4 3/2 hrs

Refrigeration - Alcohol Unit  
In -50°F Out -10°F

*[Signature]*  
SIGNATURE COMPANY ENGINEER



**TOUR REPORT**

FIELD **EGGAL PLAINS** WELL NAME **Gulf Ridge**

CONTRACTOR **NABORS**  
 NO. **N670** REL. **17** CAP. **23**  
 W. **137** S. **33** T. **35**

**FEB 11** 19**73**

*SHEURIN*

DRILLING  DEEPENING  COMPLETING

REDRILLING  ABANDONING  REWORKING FOR 24 HOURS END NO. 2 MIN.

DRILLING ASSEMBLY		END OF MORNING TOUR		END OF DAYLIGHT TOUR		END OF AFTERNOON TOUR	
STANDS	DP NO 34	3	173	25	NO	244	36
SINGLE	DP NO 2		6149	ET	NO	6158	2
X OVER SUR	OD		597	ET		507	
OTHER	OD			ET			
DRILL COLLARS	6 2/4 OD	7	216	25	88	245	48
DRILL COLLARS	6 3/4 OD	NO 8	245	48	70-614	216	25
REAMER	OD			ET			
STABILIZER	OD	BRASS	402	ET	BRASS	402	
JARS				ET			
BUMPERS LB				ET			
BIT OR CORE BARREL				ET			
TOTAL DP & COLLARS			370	646		379	695
KELLY DOWN BELOW RB			34	ET		37	05
DEPTH OF TOOLS			374	046		353	400

*Genl  
Dependent*

*Genl 1200*

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	3740	3834	3921
DEPTH START OF TOUR	3664	3740	3834
FOOTAGE DRILLED	76	94	87

DAY WORK	HOURS											
	12 AM	1 AM	2 AM	3 AM	4 AM	5 AM	6 AM	7 AM	8 AM	9 AM	10 AM	11 AM
PUMP	60	130	60	130	60	130	60	130	60	130	60	130
ROTARY SPEED	52	52	52	52	52	52	52	52	52	52	52	52
WEIGHT ON BIT	18	18	20	20	20	22	20	20	20	20	20	20
MUD WEIGHT	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9
VISCOSITY	44	42	42	38	40	45	47	47	46	45	45	45
W.L.F.C.	13.6	13.6	14	14	14	14	14	14	14	14	14	14
PH	9.0	9.0	8.5	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0

*REDUCED  
SPEED*

NO.	SIZE	SERIAL	BIT OR CORE TYPE	DEPTH	START	END	REMARKS
28	8 3/4	343063R	SEC. 588	774	3658	3740	82
25	8 3/4	343063R	SEC. 588	15	3410	3539	176
26	8 3/4	343063R	SEC. 588	27	3058	3921	263

SIGNATURE	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	<i>N. AMALIA</i>		
GENERAL SUPERVISOR	<i>J. GUNWING</i>		
HELPER	<i>R. FILIPCHUK</i>		
HELPER	<i>L. MACLISE</i>		
HELPER	<i>A. KOLOVY</i>		
FOREMAN	<i>N. SAPP</i>		
TOTAL FEET			

*Line 3216 1/2  
 wire 3767 1  
 WRS 3825 1 1/4  
 Drilled Bl...  
 Otter in...  
 Cooling...  
 17-188F...  
 Sent To...  
 112 sax ga.*

# CHEVRON GULF RIDGE UT F-48

OTHER HOURLY OPERATING DETAIL  
WORK DONE

TIME	CHEMICALS ADDED	From	To	WORK DONE
7:30		12:00	1:45	DRUG 8 3/4 HOLE
8		1:45	2:15	CONN. + RIG SERV. ✓ 3.0PS
8 FT	Gen 1	2:15	5:00	DRUG 8 3/4 HOLE
7	Regrad	5:00	6:00	CONN. SURVEY @ 3716 1ST RUN MISS
				2nd. RUN 1/2"
		6:00	8:00	DRUG 8 3/4 HOLE.
<hr/>				
		5:00	8:30	DRUG 8 3/4 HOLE
2 FT	Gen 12cc #	8:30	9:45	RIG SERV. ✓ 3.0 PS
	KL 4#	9:45	11:00	DRUG 8 3/4 HOLE
	W 50	11:00	11:30	SURVEY @ 3767 - 1"
		11:30	11:45	DRUG 8 3/4 HOLE
<hr/>				
		4:00	4:30	DRUG 8 3/4 HOLE
		4:30	4:45	RIG SERV. RAMS
		4:45	5:00	SURVEY @ 3828 - 1/4
		5:00	7:30	DRUG 8 3/4 HOLE
		7:30	7:45	CONN.
		7:45	10:15	DRUG 8 3/4 HOLE.
		10:15	10:30	CONN.
		10:30	12:00	DRUG 8 3/4 HOLE.

ELEMENTS OF TESTING, INCLUDING SPECIAL OR DETAIL, INCLUDING ENGINEERING SUMMARIES

REDUCED PUMP RATE 30 GPM TO 100 GPM 300 PSI  
 MASTER SHUT TO PUMP 4.4 GPM 1/2 GPM TO TANKS 8.8 PA

Drilled Blade Stabilizer 65267 (70344) - 22 hours  
 Order in with Chevron Geologist - Paul Collier.

Cooling Unit

In = 18°F Out = 10°F

Sent to Whitefish via Falcon Truck

112 sax gal, 1-588-8 3/4" bit Ser # 912166

*L. F. Gummel*  
 SIGNATURE COMPANY ENGINEER

**TOUR REPORT**

FIELD **EAGLE POINT** WELL NAME **Gulf Ridge**

**Gulf Ridge** **N 67° W 137**

**NAIROS**

**17** **23**

**53** **55**

**FEB 10**

**1973**

DRILLING  DEEPENING  COMPLETING

DRILLING ASSEMBLY		END OF MORNING TOUR		END OF DAYLIGHT TOUR		END OF AFTERNOON TOUR	
STANDS	D.P.	NO 34	320127	NO 33	308049	31	317325
SINGLE	D.P.	NO 1	3052	NO 1	3173		
X OVER SUB	O.D.		597	SUB	597		597
OTHER	O.D.						
DRILL COLLARS	O.D.	4	12036	7-64	221625	7-64	21625
DRILL COLLARS	O.D.	8	24548	8-64	24548		24548
REAMER	O.D.						
STABILIZER	O.D.		958		402	BLADE	402
JARS							
BUMPER SUB							
BIT OR CORE BARREL							
TOTAL D.P. & TOOLS			361745				364497
KELLY DOWN BELOW R.P.			41				1903
DEPTH OF TOOLS			365848				366400

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	3658 FEET	3658 FEET	3664 FEET
DEPTH START OF TOUR	313 FEET	313 FEET	3658 FEET
FOOTAGE DRILLED	5 FEET	0 FEET	6 FEET

DAY WORK	12 AM - 4 AM	4 AM - 8 AM	8 AM - 12 AM	12 AM - 4 AM	4 AM - 8 AM	8 AM - 12 AM
PUMP						
ROTARY SPEED (R.P.M.)						
WEIGHT ON BIT (W.O.B.)						
MUD WEIGHT (LBS/GAL)						
VISCOSITY (CP)						
W.C.P.						
D.P.						
MUD LEVEL IN TANKS						

NO.	DATE	SERIAL	DESCRIPTION	DATE	TIME	DEPTH	FEET	IN
27	8/4	913135	SEC. D55	1/11/12	27	3328	3658	130
28	8/4	343063R	SEC. 588	1/11/12		3058		
28	8/4	343063R	SEC. 588	1/11/12	1/4	3658	3664	6

SAVANT	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	N. AMALIA	L. CLEMENTS	
DRILL ROOM	J. GONNING	B. DORGE	DRCP 3058 1/8
HELPER	R. FRIEDLAND	L. BAIKHI	
HELPER	A. KOLDY	K. SCHMIDT	
HELPER	A. MILLER	N. BARNES	
HELPER	N. SAPIRCH	M. TEAD	

500 Gel  
Rapid

Laid &  
Picked

BIT # 2 E

Stabilize  
#70428  
#65267

Laid &  
Change  
60' above

4500 g

Letter

# CHAMPION SARGE GULF RIDGE # F48

TIME	AMOUNT	DESCRIPTION
12:00		TOUR
12:30		
1:00		
1:30		
2:00		
2:30		
3:00		
3:30		
4:00		
4:30		
5:00		
5:30		
6:00		
6:30		
6:45		
7:00		
7:30		
8:00		
8:30		
9:00		
9:30		
10:00		
10:45		
11:30		
12:00		

500 Gal  
Roped

500#  
2#

OTHER HOURLY OPERATING DETAIL  
WORK DONE

DR. G 8 3/4 HOLE.  
 DRUM SURVEY & BLOW KELLY  
 PUT KELLY ON WORK TIGHT ~~8 3/4~~ HOLE  
 BLOW KELLY, PULL OUT, LAY DOWN  
 4 1/2 FH PIPE.  
 RIG SCRUB & V.B.O.P.  
  
 RIG SCRUB & HURRAL  
 TRIP OUT ON LUN 2 STAB  
 MANDIBIT #28 + CHANGE SLEEVE  
 ON STAB TRIP IN 10' + PICK UP 2  
 6 1/2 DR. FRACK  
 SNIP + CUT 150 DRAG LINE  
 FLOOD 100 FROZEN X-H. O.P  
~~THROW AWAY~~  
 V. BIND RAMS ✓ OK.  
 FINISH PICKING UP X-H PIPE  
 RIG SCRUB - B.C.P.  
 THAW STD PIPE + KELLY HOSE  
 PUT KELLY HOSE ON + BLOW KELLY  
 BREAK CPC. 90" OF BOTTOM ROAD TO  
 DRAG. 8 3/4 HOLE. BOTTOM.

MINING ENGINEERING DETAIL OF DETAILS AND LOGS ENGINEERING SUMMARIES

Laid down 4 1/2" FH dull pipe  
 Picked up 4 1/2" Extra Hole pipe & 3 more 6 1/4" collars.

BIT # 25-1 BLADE STAB @ 60' ABOVE BIT SERIAL # 70399

Stabilizer hours:  
 #70488 - 242 1/2  
 #65267 - 237 1/2

Laid down one stabilizer #70488  
 Changed blades on stabilizer #65267 (70344) and ran in  
 60' above bit.

4500 gals of diesel delivered by White Pass

Utter in to stop twice.

*Leif Trumble*  
 SIGNATURE COMPANY ENGINEER

# TOUR REPORT

FIELD **EAGLE PLAINS** WELL NAME **GULF RIDGE** CONTRACT NO. **W137** SE **17'** TAP **23'** DATE **FEB 9 1973**

DRILLING ASSEMBLY	END OF MORNING TOUR	END OF DAYLIGHT TOUR	END OF AFTERNOON TOUR
STANDS D.P.	NO 32 301400 FT	NO 33 310827	NO 34 320307
SINGLE D.P.	NO 1 3106 FT	NO 1 3149	NO 1 3182
X OVER SUR O.D.	597 FT	X-O 597	597
OTHER O.D.			
DRILL COLLARS 6 1/4 O.D.	4 12236	4-6 1/4 12236	12236
DRILL COLLARS 6 3/4 O.D.	NO 8 24548	NO 8-6 3/4 24548	24548
REAMER O.D.		NO BLADE 2 958	958
STABILIZER O.D.	958	958	958
JARS			
BUMPER SUR			
BIT OR CORE BARREL			
TOTAL D.P. & TOOLS	342845	352315	361748
NELLY DOWN BELOW R.R.	2655	2885	36
DEPTH OF TOOLS	345500	355200	265348

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	3455 FEET	3552 FEET	3653
DEPTH START OF TOUR	3393 FEET	3455 FEET	3552
FOOTAGE DRILLED	62 FEET	97 FEET	101

DAY WORK	7:00 AM	8:00 AM	9:00 AM	10:00 AM	11:00 AM	12:00 PM	1:00 PM	2:00 PM	3:00 PM	4:00 PM	5:00 PM
PUMP	60	60	60	60	60	60	60	60	60	60	60
ROTARY SPEED R.P.M.	70	70	70	70	70	70	70	70	70	70	70
WEIGHT ON BIT	16	16	16	18	18	20	20	22	22	22	20
MUD WEIGHT	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9
VISCOSITY	44	45	46	47	47	45	44	43	43	43	43
W.L.F.C.	13.6	13.4	13.2	13.0	12.5	12.5	12.5	12.5	12.5	12.5	12.5
PH	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0

NO.	SIZE	SERIAL	BLK. & WEIGHT	DATE	TIME	TIME	TIME	TIME	TIME	TIME	TIME
27	8 3/4	913635	SEC. DSS	11/11/72	12	3338	3455	117			RUN
27	8 3/4	913635	SEC. DSS	11/12	11 1/2	3338	3552	214			RUN
27	8 3/4	913635	SEC. DSS	11/12	2 1/2	3338	3653	315			RUN

CORE NO.	NO.	DATE	TIME	TIME	TIME	TIME	TIME	TIME	TIME	TIME	TIME

SIGNATURE	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	N. AMALIA	A. WEMENTS	
DECK MAN	J. GANNING	B. BEEGE	WIRE 3437 2 3/4
HELPER	R. F. ...	K. BAILH	WIRE 3491 2
HELPER	A. KOLBY	K. SIMMER	WIRE 3554 1 1/2
HELPER	L. MARLISE	N. BARNES	WIRE 3637 1 3/4
FIREMAN	N. SAPICH	M. MEAD	
TOOL WASH			

Gal  
Papier  
Clean  
CLEAN  
DAYLIGHT  
MOTOR  
Stabal  
70488  
62267  
Deliver  
1-8 3/4  
1-8 3/4  
1-8 3/4  
Alcohol  
In - 18

# CHEVRON SOBC GULF RIDGE YT-F45

TIME	FROM	TO
12:00	12:15	
12:15	1:30	
1:30	1:45	
1:45	5:00	
5:00	6:15	
6:15	8:00	
8:00	11:45	
11:45	12:00	
12:00	12:15	
12:15	4:00	
4:00	4:45	
4:45	5:00	
5:00	5:15	
5:15	9:15	
9:15	9:45	
9:45	12:00	

OTHER HOURLY OPERATING LOGS  
WORK DONE

RIG SERV. SHELL 1 1/2" HOLE TYPE RIG WORK  
 DRUG 8 3/4 HOLE  
 CONN. WORK TIGHT HOLE @ 3470.  
 SURVEY @ 3437.  
 DRUG 8 3/4 HOLE.

DRUG 8 3/4 HOLE  
 RIG SERV. 2 1/2" HOLE  
 SURVEY @ 3441 2"  
 DRUG 8 3/4 HOLE

DRUG 8 3/4 HOLE  
 RIG SERV. 2 1/2" HOLE  
 SURVEY @ 3554 1 1/2"  
 DRUG 8 3/4 HOLE  
 CONN. SURVEY @ 3627 1 3/4"  
 DRUG 8 3/4 HOLE

SOBC 1000  
 CHEMICALS 50

1500# Gal  
 Paper

CONTINUED FROM PREVIOUS PAGE OR DETAIL INCLUDING INVENTORY

Clean Shaken Tank 400 PSI  
 CLEAN #2 COMP. SHAKER TANK - REDUCED TEMPERATURE 30 SFM  
 190 GPM  
 DAYLIGHT DESILTER ✓ 8 HRS. TO ~~TANKS~~ SUMP 4.5 PPG 3 GPM.  
 TO TANKS - 9.8 B.P.M.  
 ✓ MOTOR - KILL WORK OK

Stabilization hours  
 # 70488 - 243 hrs  
 # 68267 - 237 hrs

Delivered to Chevron Whitefish  
 1 - 8 3/4 H.W. XDV Ser# 46705  
 1 - 8 3/4 Reed SSIG Ser# 477736  
 1 - 8 3/4 Reed STIAG Ser# 796724

Alcohol Unit - refrigeration  
 In - 18°F Out +12°F

*[Signature]*  
 SIGNATURE COMPANY ENGINEER

**TOUR REPORT**

CONTRACTOR *WILKINS DAIG*

FIELD *EAGLE PLAINS* WELL NAME *GULF RIDGE* SUR *N67° SE 17' TAP 23"*  
 # DRILLING ( ) DEEPENING ( ) COMPLETE NO. *12 137 53 35"*  
 TO REDRILLING TO ABANDONING ( ) REWORKING ( ) FEET OF HOLES ENDED *FEB 8* 1972

*CHOP & SOB*

DRILLING ASSEMBLY		END OF MORNING TOUR		END OF DAYLIGHT TOUR		END OF AFTERNOON TOUR	
STANDS	D.P. NO.	2918	32	31	2918	32	31
SINGLE	D.P. NO.						
X OVER SUB	D.P.		597		597		597
OTHER	D.P.						
DRILL COLLARS	4 6 3/4 O.D.	122	36	122	36	122	36
DRILL COLLARS	8 6 3/4 O.D.	445	78	445	78	445	78
REAMER	D.P.						
STABILIZER	D.P.		958		958		958
JARS	D.P.						
BUMPER SUB	D.P.						
BIT OR CORE BARREL	D.P.						
TOTAL D.P. & TOOLS		3301	71	3301	71	3366	35
KELLY DOWN BELOW R.B.		1327		3629		2605	
DEPTH OF TOOLS		3315	00	3338	00	3393	00

*6c  
Rapid*

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	3315	3335	3393
DEPTH START OF TOUR	3240	3315	3338
FOOTAGE DRILLED	75	23	55

DAY WORK	HOURS									
	12:00 AM	1:00 AM	2:00 AM	3:00 AM	4:00 AM	5:00 AM	6:00 AM	7:00 AM	8:00 AM	9:00 AM
PUMP	60	60	50	50	50	50	60	60	60	60
ROTARY SPEED	40	80	70	70	70	TRIP	70	70	70	70
WEIGHT ON BIT	12	14	14	14	16	TRIP	16	16	16	16
MUD WEIGHT	89	89	89	89	89	TRIP	89	89	89	89
VISCOSITY	43	42	42	42	44		45	46	44	44
W.L.F.C.	136	13	134	136	128		13	136	134	136
D.P.	95	95	95	95	95	95	90	90	90	90

*Tally Board  
Strap  
D.I.T.  
No Corr*

NO.	SIZE	SERIAL	BIT WEIGHT (LBS)	DATE	TIME	START	END	DEPTH
26	8 3/4	913634	SEC DSS	10/1/72	19 1/2	8075	3315	250
26	8 3/4	913639	SEC DSS	10/1/72	22 1/2	3075	3338	263
27	8 3/4	913635	SEC DSS	10/1/72		3338	3393	55

*DRILLING  
STABILIZER*

CORE NO.	DATE	TIME	DEPTH	REMARKS

SIGNATURE	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
<i>J. Lambert</i>			
<i>J. ...</i>			
<i>W. ...</i>			
<i>W. ...</i>			
<i>W. ...</i>			
<i>W. ...</i>			

*2 load  
DITER  
Sent o  
Refriger  
IN -18°F*

CHAPEL SOBIC GOLF RIDGE VT-248

M.D. CHEMICALS ADDED

OTHER HOURLY OPERATING DETAIL WORK DONE

TIME	DEPTH	TEMP	TEMP
	1200	145	
	145	200	
FOUR	200	215	
Ice	1500#	215	345
Propulaid	6#	245	400
	400	400	800
	800	515	
	815	530	
	830	1130	
	1130	1200	
	1200	125	
	1215	200	
	200	330	
	330	400	
	400	500	
	500	515	
	515	915	
	915	1015	
	1015	1015	

DRUG 874  
 RIG SERVICE 4 1/2 HOURS OK  
 DRUG 874  
 SURVEY @ 3270 3 3/4  
 WORK ON Pump  
 DRUG  
 RIG SERV ✓ B CAPS  
 SURVEY @ 3300 3  
 DRUG 874 HOLE  
 CIRC. HOLE CKN. PRIOR TO TRIP  
 DROP SURVEY & BROW KELLY  
 TRIP OUT STRAP ALL PIPES  
 BROW BOP MANIFOLD FILL " ARCHEL  
 TRIP IN " BIT " 27  
 FINISH TRIP IN  
 BRK CIRC CKN. TO BTM 10 FILL  
 DRUG 874 HOLE  
 CANN & SERVICE @ 3270 2  
 DRUG 874 HOLE

REMAINING DETAIL WORK DONE BY OTHER DETAIL MEN UNDER SUPERVISION OF ENGINEER

19  
4  
6  
2  
0

Tally  
 Board 3301.71  
 Strap 3300.85  
 D.H. 0.96  
 No Corc Made

Reduced Pump Rate 30 SPM  
 160 GPM  
 250 PP

DRUG IT REENTER ✓ 8 HRS. TO SUMP 4.5 PPG. 3.0 GPM  
 TO TANKS 5.4 PPG.  
 DURING REW BROW BOP MANIFOLD + SWEEP " STEAM  
 - FILL SAME " ARCHEL - END RAMS - KELLY CCK ✓

Stabilizer Hours  
 " 70488 - 222 hrs  
 " 68267 - 215 hrs.

2 loads drill pipe arrived from PARKIN  
 OTTER in twice w/ crew change and once with freight  
 Sent out 7 3/4" x 30' drill collar & 7 3/4" x 10' collar.  
 Refrigeration  
 IN -18°F OUT +16°F

L. F. Gorman  
 SIGNATURE COMPANY ENGINEER



# TOUR REPORT

FIELD EAGLE PLAINS WELL NAME RAAF RIDGE CONTRACTOR NABORS DRILL  
 DRILLING  DEEPENING  COMPLETING   
 REDRILLING  ABANDONING  REWORKING  FEB 7 1973

CHEVRON  
 4G  
 Rapid  
 2600  
 250  
 2#

DRILLING ASSEMBLY		END OF MORNING TOUR			END OF DAYLIGHT TOUR			END OF AFTERNOON TOUR			
STANDS	D.P.	NO	263407 FT		NO	272508 FT		NO	282306 FT		
SINGLE	D.P.	NO	3158 FT		NO	3158 FT		NO	3158 FT		
X-OVER SUB	O.D.		597 FT			597 FT			597 FT		
OTHER	4 6 1/4 O.D.		12236 FT			12236 FT			12236 FT		
DRILL COLLARS	8 6 3/4 O.D.		24548 FT			24548 FT			24548 FT		
DRILL COLLARS	O.D.	NO			NO			NO			
REAMER	O.D.	KIND			KIND			KIND			
STABILIZER	O.D.	KIND	958 FT		KIND	958 FT		KIND	958 FT		
JARS		KIND			KIND			KIND			
BUMPER SUB		KIND			KIND			KIND			
BIT OR CORE BARREL											
TOTAL D.P. & TOOLS											
KELLY DOWN BELDWRB			2496 FT			2793 FT			3315 FT		
DEPTH OF TOOLS			307500 FT			314000 FT			324000 FT		
TOUR			MORNING TOUR			DAYLIGHT TOUR			AFTERNOON TOUR		
DEPTH END OF TOUR			30751 FEET			3140 FEET			3240 FEET		
DEPTH START OF TOUR			3010 FEET			3075 FEET			3140 FEET		
FOOTAGE DRILLED			65 FEET			65 FEET			100 FEET		

DAY WORK	HOURS											
	2:30 AM	4:00 AM	5:30 AM	7:00 AM	8:30 AM	10:00 AM	11:30 AM	1:00 PM	2:30 PM	4:00 PM	5:30 PM	7:00 PM
PUMP	60	60	60	60	60	60	60	60	60	60	60	60
ROTARY SPEED	80	80	80	80	80	80	80	80	80	80	80	80
WEIGHT ON BIT	9m	9m	6m	R	7 1/4	8 1/4	8 1/4	9 1/4	10 1/4	10	10	12
MUD WEIGHT	8.9	8.9	8.9	1	8.9	8.9	8.9	8.9	8.9	8.1	8.9	8.9
VISCOSITY	43	44	44	P	46	45	43	46	48	46	45	43
W.L.F.C.	13	2	12	2	13	2	13	2	13	2	13	2
pH	9.5	9.5	9.5		9.5							

A. 120 h-1  
 1/2 - 16° E  
 Out + 12° E

NO.	SIZE	SERIAL	BIT WEIGHT	DEPTH	TIME	TIME	TIME	TIME
25	8 1/4	913467	SEC DSJ	2 1/10	19 1/4	2808	3075	267
26	8 3/4	913634	SEC DSS	10 1/12	5 1/4	3075	3140	65
26	8 3/4	113634	SEC DSS	17 1/12	12 1/2	3075	3240	165

Stalco

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	F. REICHERT	A. CLEMENTS	
DEWELPER	J. GUANNING	B. DEESE	WIRE 3015 5'
HELPER	R. FILINCHUK	L. BASH	
HELPER	L. YANDEAU	N. BARNES	
HELPER	W. LUTKAR	K. ZEMMER	
FIREMAN		C. J. SHANNON	WIRE 3115 1 1/2'
TOW PUSHER		T. SAYER	WIRE 3205 3 1/4'

Return  
 SSIG  
 In & Kit  
 Well site  
 Otter  
 Ron Richa

CHEVRON SOLBC 94LF R-DDE 15-F48

OTHER HOURLY OPERATING DETAIL WORK DONE

TIME	TOUR	AMOUNT	FROM	TO
973			1200	1235
10	TOUR		1235	1230
6	<del>7</del> #Gel 1200#		1200	400
	Rapid	4#	400	415
7			415	545
6			545	600
8			600	800
8	TOUR		800	815
8	GEN 2000#		815	130
	WATER 50#		130	145
	RID-C#		145	160
			160	175
			175	200
			200	230
5			230	245
0			245	300
			300	315
			315	330
			330	1030
			1030	1045
			1045	1200

RIG SERV HYDRIC OK.  
 SURVEY @ 3015' 5"  
 DRUG 8 3/4  
 SURVEY @ 3050' 5"  
 DRUG 8 3/4  
 BLOW KENNY  
 TRIP OUT.

RIG SERV. BLIND RAMS + LOCKDOWN  
 TRIP IN W/ BIT # 26  
 BRG CRG. LCN TO BTM (V. FULL)  
 DRUG  
 SURVEY @ 2080' 4 1/2"  
 DRUG  
 SURVEY @ 3111' 4 1/4"  
 DRUG  
 RIG SERV ✓ RAMS  
 SURVEY 3143' 1 1/2"  
 DRUG  
 SURVEY @ 3205' 3 3/4"  
 DRUG

EVENTS, OPERATIONS, DETAIL, OR DETAIL, INCLUDING OPERATING LOGS

30 Alcohol Unit  
 12 In -16°F  
 8.1 Out +12°F  
 43

REDUCED PUMP RATE  
 30 SPM 160 GPM 450 PSI  
 8 HRS TO SUMP 1.5 PPG 3 GPM  
 TO TANKS @ 9" PPG

Stabilizer Hours  
 # 20488 - 20614  
 # 65267 - 19914

Returned 2 8 3/4" Reed Bits to West coast  
 SSIG # 394856, SSIG # 589220  
 Mud Kit sent to West coast location  
 Well site visited by Bill Bewie - Dawson Yukon forestry officer  
 Oster stopped in twice on way from Upluk to Parkia with  
 Ron Richardson and Al Kettles.

L. F. Grumley  
 SIGNATURE COMPANY ENGINEER

# TOUR REPORT

FIELD *Eagle Plains* WELL NAME *M 67*  
 DRILLING  DEEPENING  COMPLETING  
 REDRILLING  ABANDONING  REWORKING

CONTRACT NO. *Numbers*  
 NO. *17* SEC. *23* TWP. *35*  
*W 137 S 33 E 35*  
 FEB 6 1973

DRILLING ASSEMBLY		END OF MORNING TOUR		END OF DAYLIGHT TOUR		END OF AFTERNOON TOUR	
STANDS	DP	NO	2353 81 FT	NO 26	2447 73 FT	NO	2540 96 FT
SINGLE	DP	NO	62 41 FT	NO X	31 56 FT	NO	61 50 FT
X OVER SUB	OD		5 97 FT		5 97 FT		5 97 FT
OTHER	OD						
DRILL COLLARS	OD		1 22 36 FT		1 22 36 FT		1 22 26 FT
DRILL COLLARS	OD	NO	2 45 48 FT	NO	2 45 48 FT	NO	2 45 48 FT
REAMER	OD	KIND	9 58 FT		9 58 FT		9 58 FT
STABILIZER	OD	KIND					
JARS		KIND					
BUMPER SUB		KIND					
BIT OR CORE BARREL					4 26 44 21 FT		
TOTAL DP & TOOLS					28 94 24 FT		
KELLY DOWN BELOW R.R.			15 39 FT		19 76 FT		23 15 FT
DEPTH OF TOOLS			28 15 00 FT		29 14 00 FT		30 10 00 FT

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	2815 FEET	2914 FEET	3010
DEPTH START OF TOUR	2800 FEET	2815 FEET	2914
FOOTAGE DRILLED	15 FEET	99 FEET	96

DAY WORK	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	8:00 PM
PUMP										
ROTARY SPEED										
WEIGHT ON BIT										
MUD WEIGHT										
VISCOSITY										
W.L.F.C.										
D.P.										
MUD LEVEL IN TANKS										

NO.	SIZE	SERIAL	DR. P.	W.L.	W.D.	W.T.	W.C.	W.S.	W.D.	W.T.	W.C.	W.S.
24	8 3/4	911068	SEC	DS	3/16	1/10	8 1/4	2724	2808	84		
25	8 3/4	913467	SEC	DS	3/16	1/10	1 1/2	2808	2815	7		
25	8 3/4	913467	SEC	DS	3/16	1/10	8	2808	2914	106		
25	8 3/4	913467	SEC	DS	3/16	1/10	14 3/4	2808				

TYPE	PRELIM	WIRE	WIRE	WIRE	WIRE	WIRE	WIRE	WIRE	WIRE
FROM									
TO									
REMARKS									
HOURS									

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	<i>J. Cusick</i>	A. CLEMENTS	
DEP. DRILLER	<i>J. Lanning</i>	B. DEEGE	WIRE 2800 6 1/4
HELPER	<i>P. Filipichuk</i>	H. ISHIDA	WIRE 2830 5 1/2
HELPER	<i>B. Jandean</i>	K. SUMNER	WIRE 2860 5 1/4
HELPER	<i>W. Luetken</i>	N. BARNES	WIRE 2892 4 7/16
FIREMAN		J. SAYER	C. SIMPSON WIRE 2125 4 1/2
TOTAL PUMPER	<i>V. J. Morrison</i>	J. SHANNON	WIRE 2955 4 3/4
			2985 4 1/2

2500000  
RD-4  
500050

Alcohol W  
10 - 22°  
OUT + 11°

DAYLIGHT

Blow

Staloni  
" 704  
" 65

low d

Other se

8 3/4 X 16

Chevron SCBC Gull Ridge VT F-48

OTHER HOURLY OPERATING DETAIL WORK DONE

MLD	CHEMICALS ADDED	From	To
973		1200	100
1R	TOUR	105	15
6 FT		155	130
0 FT		130	230
7 FT		330	345
FT		345	600
6 FT		600	630
6 FT		630	800
8 FT		800	130
3 FT	TOUR	730	945
FT	GEN-000#	945	1000
FT	RD-4#	1000	1200
FT	SILASTIC 50#	1200	1230
FT		1230	295
FT		1245	315
5 FT		315	400
0 FT	TOUR	400	55
FT		515	530
FT		530	545
FT		545	730
FT		730	745
FT		745	1015
FT		1015	1045
FT		1045	1200

DALG 8 3/4  
 SURVEY @ 2800' 6 3/4"  
 Blow Hole  
 TRIPDIT WET FOR WASHED BIT  
 RIG SERV. BEING RAINC UP  
 TANK IN  
 CLEAN 20' FILL  
 DALG 8 3/4

DRUG 8 3/4 HOLE  
 RIG SERV. V B.O. PS  
 SURVEY @ 2830 5 1/2"  
 DRUG 8 3/4 HOLE  
 SURVEY @ 2860 5 1/4"  
 DRUG 8 3/4 HOLE  
 SURVEY @ 2892 4 1/8"  
 DRUG 8 3/4 HOLE  
 DRUG 8 3/4 HOLE  
 SURVEY @ 2925 4 1/2"  
 DRUG 8 3/4 HOLE  
 SURVEY @ 2955 4 3/4"  
 DRUG 8 3/4 HOLE  
 SURVEY @ 2985 4 1/4"  
 DRUG 8 3/4

CONTINUING TO THE NEXT PAGE FOR OTHER DETAIL AND COMMENTS REFER TO THE REMARKS

80 Alcohol Unit  
 In - 22°F  
 Out + 11°F  
 45

REGULATED LAMP RATE 30 S.P.M.  
 280 G.P.M.  
 375 PSI

DAY LIGHT TOUR DESILTER. 3 HRS TO SUMP 4.4 PPG 3. G.P.M.  
 - TANKS 8.9 PPG.  
 Blow out drill hole with Reicherts crew. G.T.V.

Stabilizer Hours:  
 \* 70488 - 187 3/4 hrs  
 \* 65267 - 181 3/4 hrs

Load of fuel delivered by White Pass - 6500 gallons  
 Otter stopped twice on flight from Parkton to Upstark & return  
 8 3/4 XIG bit ser-42771 sent to Whitetish

*L. S. Crumley*  
 SIGNATURE COMPANY ENGINEER

**TOUR REPORT**

FIELD *EAGLE PLAINS* WELL NAME *Cumf Ridge*  
 DRILLING  DEEPENING  COMPLETING  
 REDRILLING  ABANDONING  REWORKING

NO. *17* DEPTH *23'*  
 W *137°* S *53'* E *35'*  
 DATE *FEB 5 1973*

CHEVRON

DRILLING ASSEMBLY		END OF MORNING TOUR		END OF DAY		END OF AFTERNOON TOUR	
STANDS	DP	NO	<i>2269</i>	NO	<i>2260</i>	NO	
SINGLE	DP	NO		NO	<i>3159</i>	NO	
X-OVER SUB	DD		<i>597</i>		<i>597</i>		<i>517</i>
OTHER	DD						
DRILL COLLARS <i>6 1/4</i>	DD		<i>12236</i>		<i>12236</i>	<i>4 6 1/4 DC</i>	<i>12236</i>
DRILL COLLARS <i>7</i>	DD	NO	<i>27370</i>		<i>27370</i>	<i>8-7" DC</i>	<i>27348</i>
REAMER	DD						
STABILIZER	DD		<i>958</i>		<i>958</i>		<i>958</i>
WARS							
BLM PER SUB							
R/T OR CORE PARREL							
TOTAL FEET & TOOLS					<i>270332</i>		
KELLY DOWN BELOW R			<i>2327</i>		<i>2068</i>		
DEPTH OF TOOLS			<i>270900</i>		<i>272400</i>		<i>280000</i>

*Get R.D. 11*

MORNING TOUR		DAYLIGHT TOUR		AFTERNOON TOUR	
DEPTH END OF TOUR	<i>2700</i>	FEET	<i>2724</i>	FEET	<i>2800</i>
DEPTH START OF TOUR	<i>2635</i>	FEET	<i>2700</i>	FEET	<i>2724</i>
FOOTAGE DRILLED	<i>65</i>	FEET	<i>24</i>	FEET	<i>76</i>

*Get Round drill*

DAY WORK	MORNING					AFTERNOON				
	7-8 AM	8-9 AM	9-10 AM	10-11 AM	11-12 AM	1-2 PM	2-3 PM	3-4 PM	4-5 PM	5-6 PM
PUMP	<i>1400</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	<i>80</i>	<i>80</i>	<i>80</i>	<i>80</i>	<i>80</i>	<i>80</i>	<i>80</i>	<i>80</i>	<i>80</i>	<i>80</i>
WEIGHT ON BIT	<i>7m</i>	<i>7m</i>	<i>7m</i>	<i>7m</i>	<i>7m</i>	<i>7m</i>	<i>7m</i>	<i>7m</i>	<i>7m</i>	<i>7m</i>
MUD WEIGHT				<i>8.9</i>		<i>8.9</i>	<i>8.9</i>	<i>8.9</i>	<i>8.9</i>	<i>8.9</i>
VISCOSITY				<i>45</i>		<i>47</i>	<i>46</i>	<i>46</i>	<i>46</i>	<i>46</i>
W. FC				<i>2</i>		<i>13.6</i>	<i>12.8</i>	<i>13</i>	<i>13</i>	<i>13</i>
DPH				<i>9.5</i>		<i>9.5</i>	<i>9.5</i>	<i>9.5</i>	<i>9.5</i>	<i>9.5</i>

*More STAS 25  
Diffr 1  
H=14 b10*

DATE	TIME	DEPTH	LOG	TOOL	FEET	FEET	FEET
<i>23</i>	<i>8 3/4</i>	<i>263913</i>	<i>SEC DS</i>	<i>3/4 1/10</i>	<i>14 1/4</i>	<i>2555</i>	<i>2705 150</i>
<i>23</i>	<i>8 3/4</i>	<i>263913</i>	<i>SEC DS</i>	<i>4 1/10</i>	<i>16 1/4</i>	<i>2555</i>	<i>2724 164</i>
<i>24</i>	<i>8 3/4</i>	<i>911088</i>	<i>SEC DS</i>	<i>3/4 1/10</i>		<i>2724</i>	<i>2800 76</i>

CORE	NO.	DATE	TIME	DEPTH	LOG	TOOL	FEET
							<i>10</i>
							<i>89</i>
							<i>46</i>
							<i>24</i>
							<i>8</i>
							<i>32</i>

SUPERVISOR	MORNING TOUR	AFTERNOON TOUR	TIME	DEPTH
<i>J. Lech</i>	<i>L. CLEMENTS</i>			
<i>A. Sumner</i>	<i>B. DEE</i>		<i>2635</i>	<i>7 1/8</i>
<i>B. Telpner</i>	<i>K. BRUSH</i>		<i>2670</i>	<i>7</i>
<i>R. Johnson</i>	<i>K. SCHMIDT</i>		<i>2702</i>	<i>7 1/4</i>
<i>W. Lutz</i>	<i>N. BARNES</i>		<i>2757</i>	<i>7 1/4</i>
<i>J. Shannon</i>	<i>J. SHANNON</i>		<i>2770</i>	<i>6 1/2</i>
<i>J. Sawyer</i>	<i>J. SAWYER</i>			

*Get Out + 20*

CHEVRON SOBC OILFIELD RIDGE VI-F48

TIME OF DAY: 11:45 AM  
 JOBS DONE

73  
 72  
 71  
 70  
 69  
 68  
 67  
 66  
 65  
 64  
 63  
 62  
 61  
 60  
 59  
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 14  
 13  
 12  
 11  
 10  
 9  
 8  
 7  
 6  
 5  
 4  
 3  
 2  
 1  
 0  
 1/2  
 1/4  
 1/8

TIME	DEPTH	TEMP	TEMP
	1200	100	
	1100	115	
Geol	500 <sup>m</sup>	115	130
R. Drill	2 <sup>m</sup>	130	430
	430	445	
	445	880	
	730	800	
	900	110	
	900	115	
	915	130	
	930	1030	
	1030	1010	
	1100	1245	
	1245	200	
	200	400	
	400	615	
Geol	600 <sup>m</sup>	615	630
R. Drill	2 <sup>m</sup>	630	645
	645	945	
	945	1000	
	1000	1200	

DRILL 8 3/4 HOLE  
 RIG SERV. 4 1/2 RIMS OK  
 SURVEY @ 2635 7°  
 DRILL 8 3/4  
 SURVEY @ 2670 7°  
 DRILL 8 3/4  
 REPAIR UNITS ON MASLINE

DRILL 8 3/4 HOLE  
 RIG SERV. 4 1/2 RIMS OK  
 SURVEY @ 2635 7°  
 DRILL 8 3/4 HOLE  
 CIRC. HOLE ANNULAR CRACKS  
 TRIP OUT - BLIND RIMS + KELLY LOCK  
 LINDEN BTM 7 1/2 IN. LINDEN CUT UP 30'  
 TRIP IN BR. C. L. C. TO BTM.  
 DRILL 8 3/4 HOLE  
 RIG SERV. ✓ B.O.P.  
 SURVEY @ 2737 7 1/2°  
 DRILL 8 3/4 HOLE  
 SURVEY @ 2770 6 1/2°  
 DRILL 8 3/4

Note STAMP TALLY BOARD TALLY BIT #4 2 STAB. @ 90'  
 2585 17 2584.05 RECORDED TONGE RATE 30 S.M.  
 DIFE 1.12 CORRECTION MADE 375 PP#  
 Held blow out drill with daylight crew. 175 G.P.P.

Atchafal Unit  
 1.1 -30°F  
 Out +20°F

*L. J. Kennedy*  
 ENGINEER COMPANY ENGINEER

**TOUR REPORT**

FIELD *Lagde Plains* WELL NAME *GOLF RIDGE*

NAROKS

DRILLING DEEPENING REWORKS  
 ✓ DRILLING ✓ DEEPENING ✓ REWORKS  
 W 137° 53' 35" N 67° 17' 23" FEB 4 1973

Cher

DRILLING ASSEMBLY	END OF MORNING TOUR	END OF DAY TOUR	END OF AFTERNOON TOUR
STANDS	2070	2070	2164
SINGLE	3175	6136	3148
X OVER SUR	897	317	897
OTHER			
DRILL COLLARS 4 6/8 OD	12136	12136	12136
DRILL COLLARS 9 1 OD	27008	27008	27008
REAMER			
STARTER	958	158	958
BAR			
BLANKS			
RIT OR CORE BARREL			
TOTAL D.P. X TOOLS		254232	
FEET DOWN REWORKS	2529	1468	2945
DEPTH OF TOOLS	253800	255700	263500

DEPTH END OF TOUR	DEPTH START OF TOUR	FOOTAGE DRILLED
2538	2523	15
2557	2533	19
2635	2557	78

DAY WORK	1-AM	4-AM	7-AM	10-AM	1-PM	4-PM	7-PM	10-PM
PUMP	60	60	60	60	60	60	60	60
ROTARY SPEED	80	80	80	TRIP	80	80	80	80
WEIGHT ON BIT	7m	7m	7m		7m	7m	7m	7m
MUD WEIGHT			87		88	89	87	89
SCOSTS			46		45	47	45	42
W.P.C.					132	252		

MID LEVEL IN TANKS
95

NO.	SIZE	SEC.	DSS	20	2307	2523	216
21	8 3/4	421421	Sec	DSS	2 1/2	20	2307
22	8 3/4	911427	Sec	DS	2 1/2	2523	2538
22	8 3/4	911427	Sec	DS	2 1/2	2523	2555
23	8 3/4	263913	SEC	DST	2 1/2	2555	2635

TYPE	FRUIT	NO. OF HOURS

NO.	NAME	POSITION	WORK	NO. OF HOURS
1	Conrad	DRILLER	2543	7 1/2
2	Summers	DRILLER	2574	7
3	Welpshuk	DRILLER	2605	7 1/4
4	Jordan	DRILLER		
5	W. Luthar	DRILLER		
6	Harrison	DRILLER		
7	J.P. Wilson	DRILLER		

Get 1500  
30 L#

Diameter  
NOTE R  
KING LINE

Tight S,  
last time

D-111  
To SUM  
To TAN

APR 1100  
To SUM  
To TAN  
D-100  
470488  
65267

Sent 20  
1-8 3/4  
1-8 3/4

Chevron SOB-C Gulf Ridge YF F-48

TIME TO GET TO BOTTOM  
WITH DRILL

973		1200	1300
8		130	145
8		145	330
8		330	500
7		500	645
		645	800
6			
8			
8	Gen-000#	1200	1300
	RD-#	1000	1100
	LAST 50#	1100	1130
		1130	130
		130	250
		200	330
		330	345
		345	400
	Get 1500#	400	6:5
	RD 4#	6:5	6:30
		6:30	6:45
		6:45	9:30
		9:30	9:45
		9:45	12:00

TRIP OUT STRAP PIPE  
1/4 SERV BLIND RAMS ON  
SLIP OUT HOLE  
TRIP IN  
CLEAN 60' TO BOTTOM - 10' fill  
DRUG 8 3/4

TRIP OUT STRAP PIPE  
1/4 SERV BLIND RAMS ON  
SURVEY @ 2513 7 1/4"  
DRUG 8 3/4 HOLE  
TRIP OUT STRAP ALL FINE  
BLIND RAMS KEPT FOR MAKEUP BIT  
TRIP IN W/B.T # 23  
BRK. DR. LIN 30 TO BTM 5' FILL  
DRUG 8 3/4 HOLE  
RIG SERV. 1/4 B.C.P.  
SURVEY @ 2574 8"  
DRUG 8 3/4 HOLE  
SURVEY @ 2605 7 1/4"  
DRUG 8 3/4

60  
1350  
80  
7m  
89  
62

Desilter - 24 hrs.  
NOTE: Remodelled Kill line  
KILL LINE ON - FILLED "DIESEL FUEL"

1/2 Pump Rate  
30 strokes  
250 PSIG  
150 GPM @ 1500 RPM

Tight spot 60' off bottom tripping in - had to circulate  
last two singles in - 10' fill on bottom.

D-NIGHT Desilter 5 HRS  
To Sump 7 9 DPG 3 GPM  
To Tanks 8 9 DPG

Afternoon Desilter 8 HRS  
To Sump 9 5 DPG 32 GPM  
To Tanks 8 9 DPG  
Drilco Blade stabilizers  
# 70488 - 157 hrs  
# 65267 - 150 hrs

Sent to GP 15 - Chevron Whistish VT J-70  
1 - 8 3/4" M88 bit # 913172  
1 - 8 3/4" S88 bit # 412743

*Handwritten signature*  
L. J. ...



**TOUR REPORT**

NABORS DAILY

FIELD *ENGLE PLAINS* WELL NAME *GULF RIDGE*

N 67° - 17' W 23'  
W 137° 53' 35'

CHEKON GUN

DRILLING DEEPENING IMPROVING  
REDRILLING ABANDONING REWORKING

FEB 3

1973

DRILLING ASSEMBLY		END OF MORNING TOUR		END OF DAY		END OF TOUR	
STANDS	NO	1883	07	1177	14	207	099
SINGLE	NO	63	15'	31	09	21	75
X-OVER SUP	NO	8	97	5	97	8	97
OTHER	NO						
DRILL COLLARS 6 1/4	NO	1	2136	1	2136	1	2136
DRILL COLLARS 7"	NO	2	7008	2	7008	2	7008
REAMER	NO						
STABILIZER	NO	9	58	1	58	9	58
WARS	NO						
BLAMPERS	NO						
BIT OR CORE BARREL	NO						
TOTAL D.P. & TOOLS				24	817		
NETLY DRAW BELOW RB		2	379	3	683	1	029
DEPTH OF TOOLS		2	38000	2	45500	2	52300
TOUR		MORNING TOUR		MORNING TOUR		MORNING TOUR	
DEPTH END OF TOUR		2	380	2	455	2	523
DEPTH START OF TOUR		2	307	2	330	2	455
FOOTAGE USED			73		75		68

GEL 3000  
RD 3"  
RD 50"

GEL 1000  
RD 6"

DAY WORK	AM	AM	AM	AM	AM	AM	AM	AM	AM	AM	AM	AM	AM	AM
PUMP	60	60	60	60	60	60	60	60	60	60	60	60	60	60
ROTARY SPEED	1250	1250	1250	1250	1250	1250	1250	1250	1250	1250	1250	1250	1250	1250
WEIGHT ON BIT	95	95	95	95	95	95	95	95	95	95	95	95	95	95
MUD WEIGHT	7m	7m	7m	7m	7m	7m	7m	7m	7m	7m	7m	7m	7m	7m
MUD WEIGHT	8.9	8.9	8.9	8.9	8.8	8.9	8.8	8.9	8.9	8.9	8.9	8.9	8.9	8.9
VISIDITY	43	43	43	43	40	38	39	39	39	39	40	40	44	44
W. LOSS					12.5	2.2								
W. LOSS	9	9	9	9	9	9	9	9	9	9	9	9	9	9
MUD LEVEL														

Desilter  
To pump  
Tanks  
W. 12.5

Tipped  
placed 2  
onesingle  
D.illed a  
Decrease  
2449-6 1/8  
TO 9M.

Tipped  
Drilled  
- 70488 -  
- 60267 -

20	8 3/4	881719	REED STIAG	7 1/2 1/2	A 1/2	2247	2307	60	111
21	8 3/4	421421	SEC DSS	7 1/2 1/2		2307	2380	83	✓
21	8 3/4	421421	SEC DSS	7 1/2 1/2	13 1/2	2307	2455	142	✓
21	8 3/4		DSS			20	2307	2513	216
TYPE									8
FEET									89
FEET									45
FEET									18
FEET									6
FEET									23

0.25  
12  
90  
2  
Total  
2.00

NAME	POSITION	REMARKS
J. Ruchert	A. CREMENTS	
A. Surrency	B. DIEGE	
L. Telyschuk		
L. Jordan		
W. Luther		
G. Simpson		
G. Wanner		

Time 2325 6 1/4  
2355 6 3/4  
67.0  
2430 7 1/8  
2500 7 1/4

Other

CHEVRON GOLF RIDGE VT. F48

THE ONLY HEATING OIL

973		1210	1215
12	TOUR	1205	100
1		100	315
5		315	330
7		330	645
		645	700
		700	800
8			
	GEN 300 <sup>d</sup>	145	10
	R.D. 6 <sup>#</sup>	405	
	CR. 50 <sup>#</sup>	130	
9			
0		400	45
	GEL 1000 <sup>#</sup>	45	45
	R.D. 6 <sup>#</sup>	130	105
		405	800
		800	815
		815	115
		115	1230
		1130	1200

RIG SERV. BLIND RUMBLE  
TRIP IN  
DRLG 8 1/2  
SURVEY @ 2325  
DRLG 8 1/2  
SURVEY @ 2325  
DRLG 8 3/4

DRILL 5 3/4  
RIG SERV. - 13 C  
SURVEY @ 2441 6 1/8  
DRLG 8 3/4  
SURVEY @ 2480 7 1/8  
DRLG 8 1/4  
SURVEY @ 2510 7 3/4  
TRIP OUT

DRILL 5 3/4  
RIG SERV. - 13 C  
SURVEY @ 2441 6 1/8  
DRLG 8 3/4  
SURVEY @ 2480 7 1/8  
DRLG 8 1/4  
SURVEY @ 2510 7 3/4  
TRIP OUT

Desilter 8 HRS DAINIGHT TOUR

1/2 Pump Rate
30 STROKES
225 PSI G
150 GPM (TANK SHOW)

TO SUMP 9.7 IPG 2 GPM  
TO TANKS 8.4 IPG  
W 12.8 FIC 1/2

Tripped out STAB bit - ran in with security DSS and placed 2 Drilco stab in tandem 90 feet above bit. Drilled one simple down to 2335' with 80 RPM and 7M. Survey @ 2325-6'  
Drilled another simple down at 95 RPM and 7M. Survey @ 2355-6'  
Decreased RPM to 75 - same weight surveys 2387-6 7/8, 2418-7°  
2449-6 7/8, 2480-7 1/8. Decreased RPM to 55 and increased wt to 9M. Survey @ 2510-7 3/4

Tripped out - bit like new.  
Drilco Stabilizers  
+ 70488 - 144 hrs  
+ 65267 - 137 hrs

Order in twice on trip to and return Parkin. Uplink Pa-Kin

*L. F. J. ...*  
QUALITY CONTROL ENGINEER

**TOUR REPORT**

NABORS DALY

FIELD EAGLE PLAINS WELL NAME GULF RIDGE N 67° 17' 23" W 137° 53' 35" FEB 2 1973

CHEURON

DRILLING ASSEMBLY	END OF MORNING TOUR		END OF DAY		TOTAL	
STANDS	1882	97	21	1977	45	1977
SINGLE	63	33				316
X-OVER SUB	8	97		8	97	897
OTHER						
DRILL COLLARS	270	08		270	08	270
DRILL COLLARS						
REAMER						
STABILIZER	9	58		9	58	958
JARS						
BLADE SUB						
BIT OR CORE BARREL						
TOTAL DR & TOOLS			2266	08		
KELLY DOWN BEL. WHP	37	07	2892			888
DEPTH OF TOOLS	2272	00				2307

GR 100#  
RE-4#

TOUR	MORNING TOUR		DAY TOUR		TOTAL	
DEPTH-END OF TOUR	2292	FEET	2295	FEET	2307	FEET
DEPTH-START OF TOUR	2247	FEET	2272	FEET	2295	FEET
FOOTAGE DRILLED	25	FEET	23	FEET	12	FEET

GEL 1500  
RD-6

DAY WORK	AM	AM	AM	AM	AM	AM	AM	AM	AM
PUMP	60	60	60	60	60	60	60	60	60
ROTARY SPEED	80	80	100	100	100	100	100	100	100
WEIGHT ON BIT	5m	5m	3m	3m	3m	3m	3m	3m	3m
MUD WEIGHT	9.0	9.0	9.1	8.9	9.0	8.9	9.0	8.9	9.0
VISCOSITY	11	46	45	44	46	43	40		
W.C.P.									
MUD LEVEL IN TANKS	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0

DRILLING TO SURFACE

Work 6 men

19	8 3/4	421423	SEC 355	2 1/11	10	9 3/4	2115	2247	132	111
20	8 3/4	881719	REED STING	2 1/11	10	3 1/4	2247	2272	25	✓
20	8 3/4	881719	REED STING	2 1/11	10	11	2247	2295	40	RCN

2 Dr.

D...

TYPE	FEET	FEET	FEET	FEET	FEET	FEET	FEET
10							
89							
42							
17							90
7							
20							

NAME	MORNING TOUR	DAY TOUR	TOTAL
F. REICHERT	K	LEMENTS	
J. FURNING	B	DEELE	
K. FAIRCHURCH	L	BACH	
L. LANDEAU	K	SCHMER	
W. LUTYAK	N	BARNES	
E. SIMPSON	J	SHYER	

2295 6 1/2  
2297 7

CHEVRON GULF RIDGE VT-F48

TYPE OF WORK BEING DONE  
OTHER DONE

1073		1200	100
1074		100	115
1075		115	200
1076		200	345
1077		345	415
1078		415	800

FINISH TRIP OUT  
 RIG SERVO BRIND RAINS OK  
 CHANGE STABILIZERS  
 TRIP IN  
 PICK UP 5 SINGLES TO REPLACE 6 1/2 COLLARS  
 DRILL 8 3/4" HOLE

1079		800	615
1080	GRK 1000 <sup>F</sup>	615	330
1081	RD-4 <sup>F</sup>	330	700
1082		700	400

DRILL 8 3/4" HOLE  
 RIG SERVO ✓  
 SURVEY # 2265 6 1/2"  
 DRILL 5 1/2"

1083		400	415
1084	GEL 1500 <sup>F</sup>	415	730
1085	RD-6 <sup>F</sup>	730	800
1086		800	815
1087		815	1000
1088		1000	1200

RIG SERVO - RAMS  
 DRILL 8 3/4"  
 SURVEY # 2247 - 7"  
 DRILL 8 3/4"  
 TRIP OUT  
 MOVE STABILIZERS & PICK UP 4 COLLARS

1089		1250	
------	--	------	--

DARLIGHT TOUR DOWN TOWER 2 HRS  
 TO SUMP 10.1 LTR. 3.5 M  
 TO TANKS 5.4 LTR

Working 2 crews - 12 hour shift as of today  
 6 men per crew

2 Drilco Blade Stabilizers in Tandem 60' above b.s.

Drilco Blade #	70488	124 hrs
"	65267	117 hrs

1090			
1091			
1092			
1093			

1094			
1095			
1096			
1097			

L. F. Gumbly  
 GENERAL CONTRACTOR

**TOUR REPORT**

NABOR 9

FIELD **EAGLE PLAINS** N67-12-23 W137 53 35

Feb 1 1973

DRILLING ASSEMBLY	END OF MORNING TOUR			END OF DAY		
STANDS	18	16	99	1785	91	19 1785 91
SINGLE	1		3162			3154
X OVER SUB			649		897	897
OTHER <b>BITSUB</b>			248			
DRILL COLLARS			39501	39501		39501
DEVIATOR COLLARS						
REAMER						
STABILIZER <b>BLADE</b>			553	553		553
WARR						
BLUMBERG						
B TOP WIRE PAPER						
TOTAL FEET TO LOG			213312			222696
WELL HEAD HEIGHT			<del>1388</del>	4100		2004
DEPTH OF TONG			214700	223642		224700
DEPTH END OF TONG			2147	2236		2247
DEPTH START OF TONG			2115	2147		2236
FOOTAGE C-LEED			32	89		11

DAY WORK	MORNING TOUR							
	7:00							
PUMP	60	60	60	60	60	60	60	60
ROTARY SPEED	50	50	55	55	55	55	55	55
WEIGHT ON BIT	20,000	11m	10	10	7	7	7	7
MOTOR WEIGHT	9.1	9.1	7.1	7.1	7.1	7.1	7.1	7.1
W.P.	42	37	34	31		48	47	
W.P.	9.0	9.0	9.0	9.0		9.0		

Pipe  
simple  
torque  
first asst  
Drilled

19 8 3/4 421423	SEC. DSS	7 1/4	2115	2147	32	PUN
19 8 3/4 421423	SEC. DSS	7 1/4	4 3/4	2115	2247	132

M. OLDFIELD	J	Reichert	K. Clemente	2106	6"
M. SEDGER	B	Demarinko	B. WEEGE	2105	6"
F. BELVA	L	Jardou	L. BUSH	2195	6 1/8"
A. KOKODY	W	Luthas	SOMMER	2225	6 1/4"

073

1  
4  
7  
10  
13  
16  
19  
22  
25  
28  
31  
34  
37  
40  
43  
46  
49  
52  
55  
58  
61  
64  
67  
70  
73  
76  
79  
82  
85  
88  
91  
94  
97  
100

TOUR  
GE-  
RAPDR- 6 #

12:00	2:00
2:00	2:45
2:45	3:00
3:00	3:15
3:15	5:30
5:30	6:00
6:00	7:15
7:15	7:30
7:30	8:00
8:00	8:45
8:45	10:00
10:00	10:15
10:15	12:15
12:15	1:00
1:00	4:00
4:00	4:30
4:30	5:45
5:45	6:00
6:00	8:30
8:30	10:30
10:30	12:00

PULL BIT 18  
 LAY DOWN REAMERS + STABS.  
 RIG SERV. + BLIND RAMS.  
 INSTALL BLADE REAM 90' UP.  
 RUN IN HOLE W/ BIT 19  
 SHOW KELLY CLEAN 4' TO BTM.  
 DRAG 3 3/4".  
 SURVEY 2141 6°  
 DRAG.  
 DRAG  
 RIG SERV. HYDRA OK  
 SURVEY @ 2165"  
 DRAG  
 SURVEY @ 2195"  
 DRAG  
 SURVEY @ 2225 - 5 1/4°  
 DRAG 5 3/4" HERE  
 RIG SERV. 3 C.T.P.  
 TWIST-OFF 9TH SINGLE BELOW KELLY  
 TRIP OUT - MAKE UP OVER-SHOT  
 LATCH ON TO FISH TRIP OUT + IN DOWN  
 TRIP OUT (STRAP AND PIPE)

Pipe twisted at 3 1/2 feet below box on 4<sup>th</sup> single below Kelly. Driller reported no apparent torque. Ran in with over shot and recovered fish on first attempt.

Drill Co. Blade # 65267 - 102 1/2 hours.

*L. J. Crumley*  
 QUALITY CONTROL ENGINEER

**TOUR REPORT**

NABORS

WELL *Cafe Plains* NO. *N67-17-23* W137 53 35

*Jan 31*

073

DRILLING ASSEMBLY	END OF MORNING TOUR	END OF DAY	END OF TOUR
STANDS	NO 16 150387	16 159834	17 159834
SHAFT	NO 2 6280	3149	2 6225
WATER SUP	649	649	649
OTHER			
DRILL COLLARS	40541	40541	40541
DRILL COLLARS			
REAMER	STAB 827	827	STAB 827
STABILIZER	943	943	REAMERS 943
WARS			
BLIMPERS			
BIT OR CORE BARREL			
TOTAL OF K' TOOLS	199627		207019
SELL DOWN BELOW	1573	2057	2481
DEPTH OF TOOLS	201200	208000	211500
TOUR	MORNING TOUR		
DEPTH END OF TOUR	2012	2080	2115
DEPTH START OF TOUR	1917	2012	2080
FOUNTAIN DRILL	85	68	35

GEL 1500  
RAP. DRILL 6

GEL 510  
RAP. DRILL 6  
CRASH 2 30

GEL 8500  
RAP. DRILL 2

DAY WORK	AV	AV	AV	AV	AV	AV	AV	AV	AV	AV	AV	AV	AV
PUMP	60	60	60	60	60	60	60	60	60	60	60	60	60
ROTARY SPEED	1350	1350	1350	1350	1300	1300	1300	1300	1350	1350	1350	1350	1350
WEIGHT ON BIT	15M	11M	11M	11M	11M	11M	11M	7M	87M	5M	5M	5M	5M
MUD WEIGHT	9.1	9.1	9.1	9.1	9.2	9.1	9.1	9.1	9.1	9.1	9.0	9.1	9.1
VIS. LOSS	45	50	49	37	39	42	44	39	39	38	37		

(MORNING)

AFTER-NO  
TO SUN  
TO TANK  
AFTER-NO  
POWER-

WELL		8.5	9.0	9.0
MUD LEVEL IN TANK				
18 8 <sup>3</sup> / <sub>4</sub> 47727	X D V	7 1/10	8 1/2	1887 2012 115
18 8 <sup>3</sup> / <sub>4</sub> 47727	X D-U	7 1/10	23	1887 2115 228

Cumulative

NAME	TYPE	FRID	TO	RE	HOURS
M. OLDFIELD	J. Lechert	A. CLEMENTS			
M. SEDGER	S. Chmarchenko	B. DOEGE	LINE 1943	5° 4 3/4 (good)	
F. BELVA	L. Jombau	K. BAICH	LINE 2005	4 1/2°	
A. KOLODY	W. Jutbas	K. SUMMER	LINE 2060	5°	
B. DOEDGE	C. Simpson	J. SAYER	LINE 2090	5 1/2°	

*Pa. Warrington*

03  
4  
5  
9

TOUR  
GEL 1500 #  
RAP. DRILL 6 #

12:00 2:00  
2:00 2:45  
2:45 7:00  
7:00 7:30  
7:30 8:00

DRLG. 8 3/4  
SURVEY 1943 5° RIG SERV. ✓ BOPS.  
DRKG 8 3/4  
SURVEY 2005 7 1/2°  
DRLG. 8 3/4

CREW DISCUSSED  
THE DANGER OF CHANGING LIGHT BULBS  
WITHOUT SHUTTING OFF POWER.

7  
3  
9  
1

GEL 1500 #  
RAPORAL - 6 #  
CRASH 50 #

8:00 8:15  
8:15 1:45  
1:45 2:5  
2:5 1:00

RIG SERV. 4 1/2 RAMS OR.  
DALG 2 1/4  
SURVEY @ 2060' 5°  
DALG 2 1/4

0  
9  
1  
0  
6  
1  
2  
5  
9  
1

GEL 5500 #  
RAPID DRILL-2 #

4:00 7:45  
7:15 7:30  
7:30 7:45  
7:45 11:45  
11:45 12:00

DRLG. 8 3/4 HOLE  
RIG. SERV. - B.O.P.S.  
SURVEY @ 2090 - 5 1/2°  
DRLG.  
BLOW KELLY PRIOR TO TRIP

12  
5  
9  
1

(MORNING TOUR) 8 HRS. DESANDER. OVER 9.0 UNDER 11.8 2 GPM TO SUMP

1/2 PUMP RATE

AFTER-NOON TOUR DESILTER - 6 HRS.

30 STROKES

TO SUMP - 10.3 PPG 3 G.P.M.

300 PSIG.

TO TANKS - 9.0 PPG.

155 GPM

AFTER-NOON TOUR DISCUSSED THE IMPORTANCE OF SHUTTING  
POWER-OFF BEFORE UNPLUGGING EXTENSION CORDS

CUMULATIVE HRS - REAMERS & STABILIZERS

- 1. GRANT NEAR BIT # 4049 - 38 HRS (Pins have been found. Bit to remain)
- 2. GRANT NEAR BIT # 1590 - 71 1/2 HRS (Pins can be found)
- 3. GRANT NEAR BIT # 8982 - 41 3/4 HRS (Pins can be found)
- 4. DRILLED BLADE # 70488 - 107 1/2 HRS
- 5. DRILLED BLADE # 65267 - 92 3/4 HRS.

4 3/4 (round) x 6.

1 1/2°  
-°  
-1/2°

R. K. Conner  
QUALITY CONTROL ENGINEER



**TOUR REPORT**

MAR 29

EAGLE PLAINS

667-17-25

WISY

53 105

3-11-5

STATION	14	131505	140969	15	150121
NUMBER				2	2320
X MEMBERS		649	649		649
OTHER					
TRIP		40541	40541		40541
TRIP					
TRIP		827	827		827
TRIP		563	743		563
TRIP					
TRIP					
TRIP		4100	2571		195249
TRIP		178565	186500		2251
TRIP					
TRIP		1785	1865		1969
TRIP		678	785		1365
TRIP		107	80		

GEL 1500 #  
 PAPERS 100 #  
 GEL - 100 #  
 ANI 200 #  
 CAUSTIC 100 #  
 SODA ASH 200

PLIN	60	60	60	60	60	60	60	60	60	60	60	60	60
	120	120	120	120	120	120	120	120	120	120	120	120	120
	11"	11"	11"	11"	11"	11"	11"	11"	11"	11"	11"	11"	11"
	9.1	9.1	9.9	9.1	9.1	9.2	9.1	9.1	9.1	9.1	9.1	9.1	9.1
	38	37	43	37	37	37	37	39	39	40	42	42	42

17	8 3/4	35992	X-D-V	2 1/2	10 3/4	1647	1715	138	RUN
17	8 3/4	35972	X-D-V	2 1/2	10 3/4	1647	1865	210	
18	8 3/4	47727	X-D-V	2 1/2	10 3/4	1647	1837	240	4-1
				2 1/2	10 3/4	1647	1717	30	RUN

2000 #  
 2000 #  
 2000 #  
 2000 #  
 2000 #

M	WILFRIED	J. L. LIND	K. REMOLTS			
M	SEDER	B. LANGE	B. LANGE	1712	1612	7 1/2
B	BENVA	P. J. JENSEN	K. BARTH	1723	1723	7 1/4
A	KJELLBY	W. LIND	H. LINDER	1753	1753	4"
K	SUMNER	C. LANGE	J. LANGE	1785	1785	7 1/2
				800	800	4 1/2
				1840	1840	1 1/2
				1870	1870	4 1/2

*[Handwritten signature]*

1055

GEL 1500 #  
RAPID 50 #

1000 130  
130 200  
200 215  
215 345  
345 415  
415 445  
445 500  
500 545

DRILL 8 1/4  
SURVEY 1785 410  
DRL 8 3/4  
SURVEY 1785 410  
DRL 8 1/4  
REPT POP VALS  
DRL 8 3/4

3

GEL 4000  
RAP 200 8 #  
CAUSTIC 30 #  
SODA ASH 200 #

800 815  
815 830  
830 1230  
1230 1245  
1245 215  
215 230  
230 400  
400 500

DRILL 8 1/4  
SURVEY 1785 410  
DRL 8 1/4  
SURVEY 1785  
DRL 8 1/4 1065  
SURVEY 1785

7

GEL 5 #  
RAPID 2 #

500 515  
515 530  
530 630  
630 700  
700 830  
830 1005  
1005 1200

DRILL 8 1/4  
SURVEY 1785 410  
DRL 8 1/4  
TRIP 10  
BRAND XAMS MARKED B1-98  
TRIP 10 315 5  
DRL 8 1/4

1350

(A) ... WORK ... OVER 9.2 UNDER 11.5 ... 25 PM TO DUMP.

20

15

42

42

- 5-1-50
- 1. SANDWICH HNS - 4000 #
  - 2. SANDWICH HNS - 4000 #
  - 3. SANDWICH HNS - 4000 #
  - 4. SANDWICH HNS - 4000 #
  - 5. SANDWICH HNS - 4000 #

7 1/2

7 1/4

4

4 1/2

11

12

11

**TOUR REPORT**

FILE EAGLE PLAINS NO. 17-23 W137 53 35

DATE Jan 27 1973

STAND	112883	112883	22154
SNGLE	3155	6270	
X OVER S.P.	649	649	649
OTHER			
DATE			
DOLLARS	40541	40541	40541
FEET			
WEAVE	827	827	827
STAB. LOG	563	943	943
JARS			
SLIMPLE			
RIT DRY			
TOTAL	158612		165114
FEET DWT	3592	2597	2656
DEPTH OF TANK	162200	164700	167800

MORNING TOUR			
DEPTH END OF TOUR	1622	1647	1678
DEPTH START OF TOUR	1568	1622	1647
FOOTAGE DRILLED	54	25	31

PUMP	60	67	67	60	60	60	60	60	60	TRIP	TRIP	TRIP
ROTARY SPEED	120	120	120	120	120	120	120	120	120	120	120	120
WEIGHT ON BIT	6m	6m	6m	6m	6m	6m	6m	6m	6m	10m	10m	10m
MUD WEIGHT	9.3	9.3	9.3	9.3	9.2	9.1				9.1	9.1	
VISCOSITY	40	40	37	36	39	37				39	33	

WH	40	10	10	90
MUD LEVEL IN TANKS				

NO.	DATE	TIME	DEPTH	TIME	DEPTH	TIME	DEPTH
16	8 3/4	38459	XDU	3 1/10	1408	1622	214
				2 9/10	1408	1647	239
17	8 1/4	35772	XDU	3 3/10	1647	1678	31

CORE	
TYPE	
FROM	
TO	
REMARKS	
HOURS	

MORNING TOUR		AFTERNOON TOUR	
DRILLER	M. GADFIELD	DRILLER	A. CLEMENTS
DRILLER	M. SEDGER	DRILLER	B. DOBLE LINE 1595 4°
DRILLER	F. BELVA	DRILLER	H. BACH LINE 1620 4 1/4°
DRILLER	A. KOKODY	DRILLER	K. SOMMER DROP 1647 4 1/4°
DRILLER	K. SOMMER	DRILLER	J. SANSER

3E1  
R201

10.1

ATTN TO TANK

7

1595

1620

1647

12:00	2:45	DRAG 8 3/4 HOLE
2:45	3:45	REPR. AIR LINE ON 105 MOTOR BL. TO
3:45	4:15	DRAG 3 3/4 HOLE
4:15	4:45	SURVEY @ 15 35 4°
4:45	5:00	DRAG 8 3/4 HOLE

8:00	9:00	DRAG 8 3/4
9:00	9:15	SURVEY @ 1620 4.9'
9:15	12:00	DRAG 8 3/4
12:45	1:00	LOW KELLY DROP SURVEY @ 1647
1:00	2:30	TRIP OUT
2:30	3:00	RESEV. BLIND HOLES OK. MEAS. SHUT-OFFS OK
3:15	4:00	CHANGE STABILIZER LEVER & ADD STABILIZER.
4:00	4:15	RE-LOAD
4:15	6:00	TRIP IN. DR. DOWN 12 FEET. TRIP 4
6:00	8:00	CHANGE STUFFING BOX # 1 PUMP
8:15	12:00	DRILL 1/4" HOLE BIT # 17
		CREW DISCUSSED GROUND MARKING SIGNS

Note WATER SHUT-OFFS & BLIND HOLES OK. JUNE 18. H.

DESIGNER UNDERFLOW 9.4 # CAN. @ 2 GPM  
 OVERFLOW 9.4 # CAN.

AFTER RUN HOUR - DESIGNER TO PUMP 9.4 # CAN. 2 1/2 GPM  
 TO TANKS 4.3 INCL. @ HR.

Summary of Readings & Measurements

GRANT MARK BIT # 1044	22	102
GRANT MARK BIT # 1040	22 1/2	102
GRANT MARK BIT # 2483	27 1/4	(broken down)
GRANT MARK BIT # 2488	11 1/2	
GRANT MARK BIT # 22267	24 3/4	

Signaled out @ 1027' for new bit. Filled up Grant  
 Mark bit # 3483 to run in pattern at  
 1540

used set of GRANT - 1027' MARKS.

*[Signature]*

**TOUR REPORT**

JABO  
52 34

WELL: BOOLE PLAIN NG7 C-22 W 37  
 DEPTH: 1464  
 REFR: 1464

January 28 1979

DRILLING ASSEMBLY	DEPTH (M)	TIME (H)	TIME (M)	TIME (S)	DEPTH (M)	TIME (H)	TIME (M)	TIME (S)	
STANDS	10	94	11		1035	68	12	1120	23
SINGLE	2	62	96		31	43			
X OVERS		64	9		64	9		64	9
DRILL COLLARS		405	41		405	41		405	41
REAMER		8	27		8	27		8	27
STABILIZER		5	63		5	63		5	63
JARNS									
BLAMPER									
B.T. DRILL									
SECTORS		142	987					55	163
SECTORS		34	13		30	09		13	32
DEPTH		1464	00		1524	00		568	00

SEC  
APP

TOUR	DEPTH (M)	DEPTH (M)	DEPTH (M)
DEPTH	1464	1524	568
DEPTH	1408	1464	524
FO STAGE	516	60	44

60  
120  
120

PUMP	ROTARY SPEED (RPM)	WEIGHT (M)	MUD WEIGHT	VISCOSITY	W.L.
60	120	10m	9.3	33	
120	120	10m	9.4	33	
60	120	10m	9.4	33	
60	100	10m	9.4	35	
60	100	7m	9.3	43	
60	100	7m	9.3	39	
60	100	5-7m	4.3	36	
60	120	6m	4.4	35	
60	120	8m	4.3	35	
60	120	5m	4.3	35	
60	120	6m	4.3	35	

WATER COOL  
WEAR LOG  
PLUG BNC

DEPTH (M)	DEPTH (M)	DEPTH (M)
16 8 3/4	38459	56
16 8 3/4	38459	116

16 8 3/4 38459	X DV	1/2 3/11	5 1/4 1408	56	RUN
16 8 3/4 38459	X DV	3/11 1/10	18 3/4 1408	1568 160	RUN

7

CORE	TYPE	FROM	TO	REMARKS	HOURS

DRILLER	DRILLING SUPERVISOR	DRILLING ASSISTANT	DRILLING ASSISTANT	DRILLING ASSISTANT	DRILLING ASSISTANT
M. OLD FIELD	M. SEDGER	F. BENVA	A. KOKODY	K. SOMMER (4)	

On site

UNSY 100000 2018 100000 2018

73  
3  
7  
3  
2  
0  
1250  
20  
4  
4.3  
35

1200 215  
1215 245  
1245 240

RIG SERV 1 20°  
RIG IN HOPE TAKE SING. - CLEAN 5' TO BTM.  
DRAG 8" + 742.

GEL  
RAP DRAG

1500<sup>th</sup>  
6<sup>th</sup>

200 815  
815 830  
830 1245  
1245 100  
100 400

RIG SERV 4 1/2 HOURS ON  
SURVEY @ 1440' 3 1/4"  
DRAG 3 1/4"  
SURVEY @ 1495' 7 1/4"  
DRAG 8 1/4"

WGS  
APP 500#  
APP DRAG 4"

400 600  
600 615  
615 645  
645 740  
730 1000  
1000 1115  
1115 1145  
1115 1200

RIG SERV 2 1/2 HOURS  
SURVEY @ 1523' 2 1/4"  
DRAG  
WGS ON 1400' 10"  
DRAG  
SURVEY @ 1535' 4"  
DRAG

100000

OFF 11 1/2"

1/2 Pump Rate = 30 STROKES

(MACHINE TOOL)

NO 4 1/2"

1500 GPM

1250 PSI

INTER COOL TO R. CAUSED THE REASON FOR  
WEARING CUTTERS WHEN CHANGING CUTTERS +  
PUS. BLOCKS ETC IN REAMERS + ST43.

7 IMPLICATIVE WRS - REMAINERS + INITIALS

- 1. GRANT NEAR BIT # 7044 - 28 WRS.
- 2. GRANT NEAR BIT # 7570 - 18 3/4 WRS.
- 3. DRYD BLADE # 70488 - 56 3/4 WRS.
- 4. DRYD BLADE # 65267 - 41 WRS.

878  
14  
314

*[Signature]*

SIGNATURE COMPANY ENGINEER

TOUR REPORT

NARRADO

CHILDERS SO

FIELD EAGLE PLAINS 69-19-23 W 137 53 35

Monday 7 10 12

STATUS	9	118556	24770	10	14111
SHAPE	2	1808	6312		3144
X OVER SUR		649	649		649
OTHER					
DRILL COLLARS		40541	40541		40541
HEATER		805	905		827
STAR		563	563		563
ARS					
BLM DEPTH					
BIT AT THE BOTTOM					
TOTAL DEPTH					39845
SECCY IN W. RETURN		4100	3270		755
DEPTH OF TOUR		1283	1370		1408

GEV RAPORAL

TOUR	MORNING TOUR			
DEPTH END OF TOUR	1283		1280	1408
DEPTH START OF TOUR	1193		1283	1370
FOOTAGE DRILLED	90		87	38

PUMP	7060	60	900	60	900	60	900	60	1150	60	1150	60	1150	60	1150	60	1150	60	1150	60
ROTARY SPEED	120	120	120	120	120	130	85	85	85	85	85	85	85	85	85	85	85	85	85	85
WEIGHT ON BIT	10M	10M	10M	10M	10M	10M	7M	7M	7M	7M	7M	7M	7M	7M	7M	7M	7M	7M	7M	7M
MUD WEIGHT	4.8	4.9	4.9	9.0	9.6	9.6	9.7	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
VISCOSITY	40	42	42	41	40	43	39	40	41	40	40	40	40	40	40	40	40	40	40	40
W. FL.																				
D.H.	9.5																			
MUD LEVEL IN TANKS																				

5400  
30  
STAR

15	8 3/4	38423	XIG	17	1163	1370	207	RUN
15	8 3/4	38423	XIG	22 1/4	1163	1408	295	3-1-1
16	8 3/4	38459	XDU		1908			

HATERING  
CAT-LINE  
WHEU

CORE NO. 15  
TYPE  
FROM  
TO  
REMARKS  
HOURS

SIGNATURES	MORNING TOUR	EVENING TOUR	WATERWORKS TOUR
DRILLER	M. J. FIELD	L. CLEMENTS	
DETECTIVE	M. SEDGER	B. DOEGE	LINE 1220 3°
HELPER	F. BELVA	A. BAICH	LINE 1213 3°
HELPER	A. KOKODY	K. SUMMER	LINE 1335 3 1/4°
HELPER	L. BAICH	J. SAUER	LINE 1368 3 1/2°
PIPES			LINE 1398 3 1/2°
TOTAL DEPTH			

CHERRY SOBE GULF RIDGE 17-43

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GEO  
APPORING

1000 #  
4 =

200	1000
100	115
115	230
230	300
300	745
745	800
800	1000
1000	1015
1015	1045
1045	100
100	130
130	400
400	530
530	545
545	615
615	1000
1000	1030
1030	1130
1130	1200

WORK ON CURVE (BOOTS USED)  
RIG SERV.  
DRUG 8 3/4 HOLE  
SURVEY @ 1230 3°  
DRUG 8 3/4 HOLE  
SURVEY @ 1245 3°

DRUG 8 3/4  
RIG SERV. HYDRA ON  
~~SURVEY @ 1230~~ REPAIR TOP UNWAVE  
DRUG 8 3/4  
SURVEY @ 1335 3 3/4°  
DRUG 8 3/4

DRUG 8 3/4 HOLE  
RIG SERV. B.C.P.S.  
CONN SURVEY @ 1305 - 3 1/2°  
DRUG 8 3/4 HOLE  
SURVEY @ 1345 - 3 1/2° (BLOW KELLY)  
TRIP OUT  
INSTALL WEAR RING IN CASING BOW

SLOW PUMP RATE CIRCULATING PRESSURE 250 PSI  
(@ 30 SPM (120 GPM) ON FLOW SHOW).

STARTED DESILTER OPERATION.

AFTER-NOON TOUR DISCUSSED THE DANGER OF GETTING  
CAT-LINE, STEAM-NOSE ETC. CATCH T IN KELLY OR BUSHING  
WHEN ROTATING.

INITIATIVE HAS - 2 HIGH BOWS - 1211 LBS

1. SHUNT NEAR BIT # 1049 - 38 4RS
2. SHUNT NEAR BIT # 1540 - 0 17000 UP
3. DRILLER SLANG # 70488 - 38 4RS
4. DRILLER CLAMP # 56267 - 12 1/4 12

USED SET OF SHUNT NEAR BIT WITERS 0 LBS - # 1540



**TOUR REPORT**

WELL: **EAGLE PLAINS**

DATE: **NOV-17-23**

W132

53 35

WATERLOG

Jan 20

1973

STAIN	7	3167	65875	8	75281
MIN	1	65875	6234		
MAX		649	649		049
DEPTH		40541	40541		10541
FLOW		1071	905		1071
TEMP		563	563		563
WBS					
ROTARY SPEED					
WGT ON BIT					
TOTAL DRILL					05
WELL DOWN BELOW		3300	1445		1115
DEPTH OF TOOLS			116300		114300

TOUR	MORNING TOUR			
DEPTH END OF TOUR	1150	1163	1193	
DEPTH START OF TOUR	70069	1150	1163	
FOOTAGE DRILLED	86	13	30	

DAY WORK																
PLANT	1350	54	1250	54	1295	54	1275	54	1250		60	900	60	900	60	900
ROTARY SPEED	120	120	120	120	120						80	120	120			
WGT ON BIT	10m	10m	8m	8m	8m						10"	10"	10"			
MUD WEIGHT	8.7	8.8	8.8	8.8	8.7	TRIP					8.8	8.8	8.8			
VISCOSITY	45	47	47	46	45	TRIP					40	40	40			

MUD LEVEL IN TANKS									
NO	8 3/4 38415	X19	3-10	15 3/4	890	1163	273		311
	8 1/4 38423	X19	3-11	4 1/4	1163	1193	30		RUN

CORE					
TYPE					
FROM					
TO					
RECOVER					
HOURS					

SIGNATURE	MORNING TOUR	DAYLIGHT TOUR	WATERLOG TOUR
DRILLER	M. OLDFIELD	J. [unclear]	A. CLEMENTS
DEWELPER	M. SEDGER	J. [unclear]	P. DECE
FLOWER	F. BELVA	L. [unclear]	A. BAICH
HELPER	A. KOLODY	W. [unclear]	K. SUMMER
HELPER	L. BAICH	C. [unclear]	J. SAYER
FIREMAN			
TOOL PULLER			

Handwritten notes on the right margin, including "PULLER", "COST OF", "WELL", "WARRANT", and "HAND DR".

C-77R 4 3000 255 Y-1 H8

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1200	1215	R-3 DEAN
1215	1230	SURVEY
1230	330	DRUG 3/4
330	400	SOFT + SURVEY @ 1120 3°
400	530	DRINKING 8 3/4
530	615	TIGHTEN 2X4 OUTSIDE W/ CHISEL
615	645	DRUG 3/4
645	700	DRINK IN 8 3/4
700	730	DRUG
730	700	WORKING 2X4 NECK WASHER 2X4
800	945	WORK ON SWIVEL
945	1045	DRUG 8 3/4
1045	1115	SURVEY @ 1150 3'8"
1115	1130	TRIP OUT
1130	315	CHANGE STABILIZERS & STABILIZER CUTTERS
315	410	CHANGE PUMP PACKING
410	415	RIG SCREW W/ B O PS
415	545	TRIP IN BRK CIRC CHANGE TO BTM.
545	555	DRUG 3/4 HONC
555	630	SWIRK ON COMPOUNDS + # 1 PUMP
630	730	DRUG 3/4 HONC
730	1000	CONN + SURVEY @ 1174 - 3°
1000	1045	DRUG
1045	1200	WORK ON SWIVEL (GOOSE NECK PACKING)

AMERSON WERE DISCUSSED THE PROPER WAY TO HANDLE CALCIUM SODA

CUMULATIVE HRS - STABILIZERS & REARS.

1. GRANT NEAR BIT # 7049 20 HRS.
2. DRILCO E-Z CHANGE # 70458 20 HRS.
3. DRILCO E-Z CHANGE # 65267 7030 & 8868 4 1/2 HRS.
4. GRANT RUBBER WASHIN # ~~70458~~ 15 1/2 HRS.

USED 1 GRANT RUBBER STABILIZER BOOT  
1 SET CHERT CUTTERS - GRANT

PULLED OUT OF HOLE FOLLOWING 3/4" SURVEY. FOUND RUBBER BOOT STABILIZER APPROXIMATELY 1/4" UNDERGAUGE AND NEAR BIT REAMER APPROX. 1/8" UNDERGAUGE REPLACED GRANT RUBBER STABILIZER W/ DRILCO E-Z CHANGE AND DRESSED NEAR BIT W/ NEW CHERT CUTTERS

*R. L. Cannon*  
SIGNATURE COMPANY ENGINEER

TOUR REPORT

EAGLE HAMS

11/67-11-23

W37

NILBONS LARG

32 35

2 HOUR ON

FIN

25

32

STABILIZER	4	37646			51632
XTREAMER	2	6303			
		629			644
6 1/4			12130		
7"			24551		7057
7 1/4		40541	3860		
STABILIZER 1		563	563		1022
XTREAMER 2		1071	559		563
NeacBIT Rmr			512		
		2227			7090
	555	89000			106457
		890	940		1064
		890	790		922
		0	50		124

6' 0"	6' 0"	6' 0"	6' 0"	6' 0"	6' 0"	6' 0"
50	120	120	120	-	-	120
5	100	100	100	15000	50000	100000
8.5	8.5	8.6	8.6	8.6	8.7	8.7
43	45	42	43	40	42	47

14 834 38415 #W X G 2/10

44 890 1064 177 18.8 RUMING

N. AMALIA	M. OLDFIELD	RECHERT	
R. FILIPCHUK	M. SEDGER	C. OSMAKHO	935 24
B. KOEGE	F. BELVA	L. VAN JAPAN	965 24
N. BARNES	A. KULEP	W. LUCIFAN	1025 2 3/4
T. ANDREWS	B. DUDDE	C. S. M. P. H.	

CHOURON GULF RIDGE Y7F-48

12:00	12:15	RIG SERVO
12:15		TIE UP BEAMERS STABILIZER.
		PICK UP DRILL COLLARS. 1'
		STRAP DRILL COLLARS + DRILL PIPE
	8:00	IN HERRICK
		RUN IN HOLE
8:00	9:00	RUN IN HOLE
9:00	9:15	RIG SERVO
9:15	12:30	PUT CHAIN ON OIL PUMP IN COMP. 1
<del>12:30</del>	<del>12:30</del>	CHANGE OIL IN COMPS. PUT VALVES <del>ON</del> <del>OFF</del>
		IN NO 1 PUMP. - BLOW KINGS. PUT ON
		HEAVY HOSE.
12:30	4:00	DRILLING
	4:15	RIG SERVO
	4:30	Survey @ 435-24
	6:00	DRILLING
	6:30	Survey @ 465-24
	8:15	DRILLING
	8:45	Survey @ 435-24
	11:00	DRILLING
	12:00	WORK TIGHT HOLE ON CONNECTION

After survey it has increased wt. to 10m. Penetration  
 rate increase from 2-4 min/ft to 1-2 min/ft. Survey  
 @ 435 showed decrease in wt. & 50 reduced  
 wt to 10m.



*[Handwritten signature]*

**TOUR REPORT**

EAGLE PLANS

NG-1-27

N137

NABORS ID#

5-1-25

1

GEORGE

John 27B

STATION						
DATE						
TIME						
DEPTH						
...						

GE-  
RD DR

DEPTH				
...				

DRILL				
...				

DATE				
...				

NAME	...	...	...
M A matia	M OLD FIELD	F BERTAT	
R Filipchuk	M SEDGER	G CSIMCHENKO	
B Doye	F BELVA	L HANCOCK	
W Barnes	A KAHODY	W LACRANK	
T Andrews		C SIMPSON	

Driller  
14 E Co  
D 2 E Co

STAIRS AND GOLF KITCHEN

273

GEAR  
RAD DRILL 10" 8.00

REPAIR ON PUMPS  
DIESEL MOWER 12 pumps + JACK WANTS  
APPROX. 1000.00  
REPAIR ON PUMPS

9.00 2.15  
8.15 7.00

REPAIR SERJ  
WORK ON PUMPS

4.00 11.00  
11.00 12.00

WORK ON PUMPS  
TRY TO FIND WEAR RING. COULD  
NOT GET BY Hydraulic Rubber. Will  
TRY ON NEXT TRIP WHEN STACK  
IS WARMER.

Drilled 16 Stair installed  
14E Grader down with 3 Star tires.  
D 7E CAT returned from Wilson's location via Falconer boy

W. F. Assembly  
CONTRACTORS & MECHANICAL ENGINEERS

TOUR REPORT

EAGLE TRAINS

N67-17-23 W187

NUMBERS WR 3  
53 35

Jan 23

73

Sheep

	40605	40605	
	6157	6157	
	1159	1159	
7' 3	8432	8432	9"3
6'5	30716	30716	10
			6'7
	1431	1931	
	88500	89000	
		590	
		885	
		5	

Bicarb

NEW  
DRILL  
STRING  
TO BE  
PICKED  
UP.

Gal  
Rapidball  
Soda Ash  
Caustic

Ran a  
pressure  
Test

13 2 1/2 TUBS HW OSC 105 1 886 890 4 4 Drillout  
14 8 3/4 38415 HW OSC 19 880

NAME	N. AMALIA	M. OLDFIELD	F. REINHART
NAME	R. FILIPCHAK	M. SEDGER	G. OSMALENKO
NAME	B. JOBE	F. BELVA	L. YANDEAU
NAME	N. BARNES	A. KOKODY	W. LYCHAK
NAME	T. ANDREWS		

Drill  
Drill  
Drill

4600

Checked

Da...  
Da...

CHEAP SOBC GULF RIDGE YTF-48

273

		12:01	12:15	RIG SERV.
		12:15	5:00	DRILLING OUT FLGS
Bicarb	300#	5:00	5:45	WORK ON KILN CASE + CHANGE 40V
		5:45	6:45	DRILL OUT FLGS + SLIC.
		6:45	7:00	Connection
		7:00	7:00	DRILL OUT
	<del>8:30</del>	8:00	9:00	DRILL 1 1/4 HOLE TO 890
		9:00	9:15	RIG SERV.
		9:15	12:30	CLEAN TANKS + HOOK UP DEGASER TO MFD SHAK.
		12:30	1:30	DISPLACE WATER FROM HOLE
		1:30	4:00	CIRC + RIG UP TO PRESS TEST FORMATION
				SAFETY TALK ON GOOD WINTER SAFETY BOOTS + CLOTHING.
Gal	2000#	4:00	5:00	PRESSURE TEST FORMATION
Rapidball	10#	5:00	5:30	RIG OUT BJ AND BLOW HELT
Soda Ash	100#	5:30	6:30	TRIP OUT
Causitic	50#	6:30	8:00	LAY DOWN 9" DRILL COLLARS + SUBS
		8:30	9:30	PICK UP 2-7" COLLARS AND STABILIZERS
		9:30		CHECK MOTOR SHUT-OFFS ALL OK
			12:00	WORK ON COMPONENTS + JACK ON #2 Pump.

Ran casing bleed off pressure test - max annular pressure 350 psi - Bleed off to 200 psi after standing 15 min  
 Test not reliable as pumping rate too fast

OTter - stopped by twice on way to + from Upluk.  
 Drilled out to install f/lo show  
 Del Halsey - Magesbar Mud Engineer arrived

~~4600~~ gal Fuel delivered by Falcon

Checked motor shut offs - OK.

L. F. Trumble  
 GENERAL CONTRACTOR



TOUR REPORT

EAGLE PLAINS

N67-17-22

W 131

NADRES LAB.

53

Jan 22

04E-9001

013

						40605
						1159
						30716
						8432
						3300
						84212
		88.6				842

50  
200  
45  
5m

Pressure  
minutes  
mud  
drop in  
Pressure  
Pressure  
black  
Pressure  
for 10m  
Displa  
flame

13 124 TOURS 000 RT 3 1 842 842 0 ✓

Blow  
4 repa  
Broke  
on leas

- |            |            |            |
|------------|------------|------------|
| N. AMMUA   | M JEDFIELD | F HUBERT   |
| R. AMMUA   | M SEDGER   | E BUCHANAN |
| B. WOEGER  | F BELVA    | L HANDEW   |
| N. BARNES  | A HOKODY   | W LITRAN   |
| T. ANDREWS | T ANDREWS  |            |

Starce  
Hit top

*J. W. W. W.*

CHESTNUT STREET 2nd Floor

3  
5  
9  
6  
2  
0  
2  
50  
220  
45  
5m

12:00	2	RIG TEST
1:00	7	REPAIR LEAKS & RESEAL TEST
2:00	7	MAN FOLD VALVES - HIGH PRESSURE @ 150 PSI
3:00	2	Check if any valve pressure
4:00	8:15	NO DRU
5:17	11:00	PSI TEST KELL VALVE + STABING VALVE
11:00	4:00	THAW OUT MANFOLD + FLARE LINE
4:00	6:00	JREW DISCUSSED THE DANGER OF
6:00		BRACING UNIONS WITHOUT BEING POSITIVELY
		SURE ALL PRESS. IS BLEED OFF.
11:00	11:00	MAKE UP FLARE LINE & DISPLACE TO FUEL
		LEAK HEATER, RESTING GEORGEANN LINE,
		REPAIR BRACK SWEDGE IN GOOSENECK,
		Blow KELLY
		DRILL OUT.

-54

Pressure test manifold raised to 1500 psi for 30 minutes. Repair leak on sweep flanges and valve on machine. Pressure up to 1500 psi on manifold - 40 psi drop in 30 min - manifold O.K.

Pressure tested check valve on kill line to 1500 psi - O.K.

Pressure tested pipe ram to 1500 psi for 15 min - no bleed back - pipe ram O.K.

Pressure tested Kelly cock from below to 1500 psi to 1500 psi for 10 min - no bleed off - Kelly cock O.K.

Displaced manifold + flare line to drill - froze up flare line - had to break out and thaw out.

Blew up big heater in sub - took out - dismantled & repaired same

Broke swedge in gooseneck - welded same - no replacement on lease

Started drilling out at 11:00 PM.  
Hit top of cement at 842

Handwritten signature

TOUR REPORT

EAGLE PLAINS

N67-17-

W 157

S3 2.5

W 130 R > DRLG.

JAN 21

1975

DEPTH (FEET)	TEMPERATURE (F)	SPECIFIC GRAVITY	WIND DIRECTION	WIND VELOCITY	SEA SURFACE WAVE PERIOD	SEA SURFACE WAVE HEIGHT	SEA SURFACE WAVE PERIOD	SEA SURFACE WAVE HEIGHT
0								
10								
20								
30								
40								
50								
60								
70								
80								
90								
100								
110								
120								
130								
140								
150								
160								
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970								
980								
990								
1000								

886

886

~~886~~

886

Pressure and die back 13

Pressure to 1500, valves on

13 124 T0025 X 16 Retip 3 in

in

N. AMALIA

M. OLDFIELD

F. MECHERT

R. FILIPCHUK

M. SEDGER

G. BORDENKO

B. DOEBE

F. BELVA

L. LANDAU

N. BARNES

L. KOLODY

W. LUCKAR

T. ANDREWS

M. SEDGER

H. PICHE (WELDER)

*Da Nascia*



8:00	8:15	RIG SERU
8:15	4:30	NIPPAE UP

7:00	9:00	LIMPLE UP & PREPARE TO PRESSURE TEST THAW FROZEN RAM LINES & FROZEN BJ LINES
9:00	11:00	
11:00	12:00	REPAIR BLIND RAM CONTROL

Main valve on blind ram controls washed out. Changed valves.

Offer in twice with Priceki & personell

3 hands short

  
 J. F. Humbley  
 MECHANICAL ENGINEER



Cherron SUBE Gulf Ridge YT T-48

73

1200	1205	Rig Sea.
1215	1230	Blow Kelly
1230	2 <sup>nd</sup>	Line 45 fms.
20	30	cut off casing column
3 <sup>rd</sup>	8 <sup>th</sup>	Next, Whipped up 130, 25'

8:00	8:15	RIG SERV.
8:15	4:00	NIPPLE up Bops

4:00	8:00	NIPPLE UP
------	------	-----------

-50F

Finished circulating warm water at midnight. Tripped out circulating string - cut off casing ~~to~~ collar and installed casing bowl and drilling valves. Picked up BOP stack and spacer ring and placed on casing bowl. Built sweep from BOP stack to manhole shack.

Get D7E dressing up flare pit, building berm around fuel tanks and working on glacier.

Dinner in with BJ banks and freight

5800 gallons diesel delivered by Falcon.  
 200 sack sawdust, 1-30' x 7 3/4" A 1-2' x 7 3/4" DC delivered by Falcon  
 2 men short.

L. F. [Signature]  
 GEOTECHNICAL ENGINEER

TOUR REPORT

Kalsars

1

LOG # 6717-23

W137

53 35

CALIFORNIA

JAN 18

173

START	TIME				
END	TIME				
LOCATION					
WIND					
TEMP					
HUMIDITY					
SEA					
WAVE					
VELOCITY					
DIRECTION					
SWELL					
PERIOD					
HIGHT					
PERIOD					
WIND					
WAVE					
VELOCITY					
DIRECTION					

CREW DISC

WIND					
WAVE					
VELOCITY					
DIRECTION					
SWELL					
PERIOD					
HIGHT					
PERIOD					
WIND					
WAVE					
VELOCITY					
DIRECTION					
SWELL					
PERIOD					
HIGHT					
PERIOD					
WIND					
WAVE					
VELOCITY					
DIRECTION					

SIGNATURE	DATE	SIGNATURE	DATE	SIGNATURE	DATE
L. CLEMENTS		N. AMALIA		M. OLDFIELD	
B. DOECE		R. FILIPSHUK		M. SEDGER	
K. BAICH		N. BARVES		F. BELVA	
K. SOMMER		T. ANDREWS		J. POGMORE	
D. FROST					

Crown C Two 7



CHECKIN SOB

CULRIDGE

YTF 48

073

12:00 12:15 RIG SERV.  
12:15 3:00 CIRC. INSIDE CASING W/ WATER

CREW DISCUSSED THE PROPER WAY TO CARRY HEAVY OBJECTS.

8:00 8:15 RIG SERV.  
8:15 4:00 CIRC. INSIDE CASING W/ WATER.

SAFETY MEETING

SAFETY OFF POWER WHEN CHANGING  
LIGHT BULBS.

4:00 4:15  
4:15 12:00

RIG SERV.  
CIRC. INSIDE CASING W/ WATER.

CREW DISCUSSED THE IMPORTANCE  
OF SHIELDING THE EYES WHEN  
WORKING AROUND WELDER.

-58-

Crown Catering in with Hay River Transport - grocery haul.  
Two trips in w/ other on crew change

*John Gumbly*  
REGISTERED COMPANY ENGINEER

# TOUR REPORT

NABORS P

EAGLE TANK N 67-17-23

W 137 53 35

272 193

REDACTED INFORMATION

JAN 17

593

STATION	TIME	DEPTH	TEMP	WIND	SEA	REMARKS

DEPTH	TEMP	WIND	SEA	REMARKS

DAY	TIME	DEPTH	TEMP	WIND	SEA	REMARKS

NO.	NAME	NO.	NAME	NO.	NAME

NO.	NAME	NO.	NAME	NO.	NAME
1	CREMENTS	N. AMALIA	M. JLDFIELD		
B	DOEDE	R. FILIPCHUK	M. SEDGER		
L	QUICH	N. SPIERS	F. BELVA		
K	SOMMER	N. BARNES	J. POGMORE		
D	FROST	T. ANDREWS			

*D. Rosenberg*

Start  
Tape  
Water

OTter

CHE 213 2000

3200 2002 8 FEB 45

2000

573

12:15	12:15	RIG SERV	
12:15	12:30	WORK ON MUD	TACKLES
12:30	3:00	WORK ON CALLING	W/ WATER

CREW DISCUSSED SNAGGED MUD

8:00	8:15	RIG SERV.	
8:15	4:10	CIRC. IN CASING	W/ WATER.

CREW DISCUSSE KEEP STAIR WAYS CLEAR OF ICE.

7:00	7:15	RIG SERV	
7:15	7:00	CIRC IN CASING	W/ WATER
7:00	7:30	PICK UP SINGLE + TOUCH BOTTOM	
7:30	12:00	CIRC. CASING	

CREW DISCUSSED THE IMPORTANCE OF SAFETY BOOTS + WARM CLOTHING

-60

Started circulating warm water inside surface casing  
Tagged top of cement at 242 - circulating from 240  
Water temperature 50-55°F

Order in to take welder back to PARMIN

L. F. Gumbly  
CORPORATE COMPANY ENGINEER



Champion 5134 Cult Pipe 7T F-48

11:00	11:00	ROD DOWN
11:15	11:15	RUN 15' @ 1000
11:30	11:30	MANUFACTURED 26 SINGLES + RIG UP BT CEMENTING MANDRIL
		RUN SINGLES INSIDE 1 3/8
		CREW DISCUSSED THE DANGER OF WORKING IN AROUND RIG
12:00	12:15	20 FEET
12:15	12:15	RIG UP BT CEMENTING MANDRIL
12:30	12:30	RIG UP BT CEMENTING MANDRIL
12:30	12:30	ERECT CIR.
1:00	1:00	CONDUCTOR PIPE TOWER 37' APPROX COMPARE
1:15	1:15	RUN ON AT 100 IN COMPASSES
1:30	1:30	BREAK DOWN BT MANDRIL
1:45	1:45	LINE UP CONDUCTOR PIPE FOR WELDER.
2:00	2:00	WELDER
2:15	2:15	WELDER PIPE TOWER 1 3/8 CASING
2:30	2:30	WELDER WELDS, SHOOT PUMP & HOOK UP TO CIR.
2:45	2:45	CIR.

DISCUSSED NURSIA BRAKE WITH CREW AND HOW TO SHUT DOWN DWKS. - 68°F

Ran 27 joints 13 3/8 x 5 1/2 4 1/2 K 55 81d Seamless  
 Sometime casing equipped w/ Baker Heat shoe and Baker Heat collar (266.6) Set casing in slips and ran in 26 singles of drill pipe Riggged up BT cementing mandril and screwed into top of casing. Tagged bit at 878 K.B. Riggged up to circulate. Started circulating - picked up on casing - casing froze in conductor bbl - broke off conductor bbl at ground level.

Riggged out BT Mandril and laid same down  
 Pulled out drill pipe  
 Welded conductor pipe  
 Headed up casing and broke circulation

OTter in with Propane and took Hugh Herring back to GP 15'

Fuel truck in w/ 1000 gal gasoline

Very very cold

*L. J. Gumbly*  
 MINOR & MECHANICAL ENGINEER

# TOUR REPORT

NUMBER 1

LACKLE BRANS N 67° 17' 23

1137

53

35

TAC 4773

DATE	TIME	LOCATION	REMARKS	TEMPERATURE	WIND	SEA	VISIBILITY	CLOUDS	MOON	STAR	OTHER

Casing Dat  
 Sumner MA  
 Baker Fleet  
 all thread  
 Jan 16 due  
 Sea of con.  
 Started in  
 at 10<sup>30</sup> AM. ST  
 bumped to  
 AFTER VOOR  
 KLE 1-10  
 1 ~~1~~ 13<sup>3</sup>  
 1 ~~1~~ 13<sup>3</sup>  
 1-13<sup>3</sup> B  
 26 yts 13<sup>3</sup>  
 Total C  
 K. B. to  
 Casing  
 OTter  
 Circulate

- |            |             |            |
|------------|-------------|------------|
| L CLEMENTS | N Amelia    | M ORDFIELD |
| B DORCE    | R Filipchuk | M SEDGER   |
| K SOMMER   | N Spiers    | F BELVA    |
| L BAICH    | N Burner    | J SAYER    |
| D FREST    | T Andrews   | J POGMORE  |

2:00 2:5  
 3:00 3:00  
 3:30 3:00

RIG SERV  
 CASE NO  
 3 3/8 CEMENT NO  
 WORK 3 3/8 CASING +  
 RUN TO RUN CEMENT

8:00 8:15  
 8:15 11:20  
 11:00 12:00  
 12:00 2:30  
 2:30 3:30  
 3:30 4:00

Rig Serv  
 Run cement  
 Tear out BI  
 Cut off conductor bbl  
 Thaw ice in cellar  
 Installing casing clamps

4:00 4:15  
 4:15 5:00  
 5:00 9:00  
 9:00 10:00  
 10:00 12:00

RIG SERV.  
 FINISH PUTTING ON CASING HANGER.  
 LAY DOWN LAMPING JOINT, COND. PIPE  
 + INSTALL 3 3/8 FLOW NIPPLE & HOOK UP  
 DRESSER SKEW  
 THAW OUT FROST PLUGS & RUN IN HOLE  
 WORK ON SECTION TANK + WARM  
 NO. 1 PUMP.

Casing Details. Ran 27 joints (866.61) of 13 3/8 x 54.5 #47 800 K55 P4e2  
 Sumat-190 Seamless STC surface casing equipped with Baker float shoe,  
 Baker float collar and 3 Baker Centralizer. Bottom 3 joints electrically welded  
 and thread locked. Started running casing 4 PM Jan 14 - Tapped bottom at 3 AM  
 Jan 16 due to inclement weather. Casing was cemented with 950  
 sax of construction cement plus 2% CaCl<sub>2</sub> using BI skid unit.  
 Started mixing cement at 9 AM Jan 16 - 150 # gal slurry - finished mixing  
 at 10 AM. Started displacing w/ water at 10 AM. Plug down at 11 AM - Plug  
 bumped to 1000 psi - bled off float hold. C.I.P. 11 AM

AFTER NOON TOUR DISCUSSED THE ...

1 <del>13 3/8 x 54.5 #47</del> 1155 casing	1.88
1 13 3/8 x 54.5 #47 K55 casing	32.37
1-13 3/8 Baker float collar	1.66
26 13 3/8 x 54.5 #47 K55 casing	830.70
Total Casing string	866.61
K.B. to top of casing collar	15.20
Casing landed at	881.81 K.B.

OTTER in with Bob Cannon

Circulated estimated 100 sax cement returns.

*Handwritten signature*  
 ...

TOUR REPORT

EAGLE PLAIN

NAGORS DRAG

N 670  
W 137

17  
53

23 N  
32

Jan 14

173

5	46742			
	1157			
	30716			
	8432			
	37247			
	1353			
	88600			
	886			
	353			
	3			

	110			
	10"			

Rip visit  
No. 1 hole

12PP 17 1/2 BKSSD HW OSC 3 NONE 1/2 883 386 3 RUN

- |             |             |             |
|-------------|-------------|-------------|
| A. CLEMENTS | N. AMALIN   | M. JUDFIELD |
| E. BOBE     | R. FLECKMAN | M. SEDGER   |
| I. BENCH    | N. SPIERS   | F. BELUA    |
| K. SUMMER   | N. BARNES   | J. SAYER    |
| D. FROST    | T. ANDRUES  | J. PEGMORE  |

5800 ga  
OTTER



73

1200	230	WORK ON TROW NICE
1230	230	TRIP IN
230	400	BLOW MUD LINES, RIG UP KENNY
400	430	DRLG 17 1/2 FEET
430	445	RIG SERV.
445	500	CIRC. RIG UP TO RUN, 3% CASING
CREW DISCUSSED THE IMPORTANCE OF KEEPING FLOOR FREE OF JUNK.		
8.00	10.00	THAW MUD LINES BLOW KELLY
10.00	10.15	RIG SERV.
10.15	12.30	TRIP 24" TO RUN CASING & TRAP PIPE
12.30	2.30	REPAIR WATER LINE + STEAM LINE
2.30	5.00	RIG UP STANDING BOARD + SET SPIDER FOR 3 3/8 CASING.
5.00	4.00	CASING RIG UP
CREW DISCUSSED THE IMPORTANCE OF SAFETY GOGGLES.		
4.00	4.15	RIG SERV.
4.15	6.00	PICK UP CASING + SCREEN ON SHOE.
6.00	9.00	RUN CASING. * FLOAT.
9.00	9.30	THAW MUD LINE + GET AIR PRESS UP.
9.30	12.00	RUN CASING.
DISCUSSED IMPORTANCE OF KEEPING FLOOR CLEAN WHILE RUNNING CASING.		

Rig visited by George Blue - engineer with Indian Affairs & Northern Development

5800 gal fuel hauled by Falcon from Parkin Base  
 Otter in with load of groceries

*L. F. Gummelt*  
 QUALITY CONTROL ENGINEER

**TOUR REPORT**

EAGLE PLAIN Gulf P. 1990 1250 17 23N

1/2" Drill

1

CHS

START	1335	55	4	375	55
DEPTH	61	46	2	61	46
EXPENSE	1	57		11	57
DRILL	307	16	57	46	16
DRILL	44	32	3+4	34	32
REWER	390				
STAR					
JARS					
BLAMPER					
BT					
TOTAL	843	97		345	07
NEW	11	10		1	00
DEPTH	884	98		329	15
DEPTH				584	

Sand Dust

3100<sup>th</sup> GEL  
SC CAUSTIC

PUMP	
ROTARY SPEED	80
WEIGHT	8-10
MULTI WEIGHT	
VIS. LOSS	
W. F.	
VIC. LEVEL	

Strapped  
Board  
Strap  
D44

23 pull

Air d  
Used

11A	17 1/2	X5732	Sec Hole Opener	-	3/4	856	884	28	1-1-1
-----	--------	-------	-----------------	---	-----	-----	-----	----	-------

TYPE	
RECORD	
RECORD	
HOURS	

Order  
changing

Working  
out

ED KRAVCHUK	W. CLEMENTS	Nick Amolva
F. SPINER	B. DOYLE	R. FILIPCHUK
S. CHARBOT	L. SAICH	N. SPIERS
K. SWANNEK	N. BARNES	J. SAYER
D. FROST	T. ANDREW'S	D. FROST
	K. Wilson	

*Drilling*



**TOUR REPORT**

Nabors

Bayle Plans on Gulf Ridge #47 17 23

137 53 35

Jan 12 1973

STANDS	4	37	0	2	37	55	2	55
INCH					61	46	61	46
ADDITION	11	54			11	59	11	59
716 1/4								
DOLLARS	307	16			307	16	307	16
9	84	32			84	32	84	32
STAR 17 1/2	5	73			5	73	5	73
845					845	82	845	82
					23	18	41	
856					869	00	886	82
DEPTH	856				869		886	
DEPTH	852				856		869	
DEPTH	4				13		17	

Col  
Sawdust  
Col  
Sawdust

ROTARY SPEED	85	85	TRIP 115	TRIP	115	115	115
WEIGHT	8-10	8-10	2-3		2-3	2-3	2-3

Feam de  
300 el

9A	17 1/2	85732	Sec H.12 Operator	Lpm	4	776	810	54	3	1-1
10RR	17 1/2	81550	<del>Sec H.12</del>	"	144	780	856	6	3	1-1
11	18 1/4	364023	Sec M.44M	"	10	856	886	10	2	1-1

12-1-1

Ed Kravchuk	A. Clements	N. Amalia
F. Skinner	B. Dorge	R. Filipchuk Line 876
S. Schabst	J. Baich	N. Spiers
H. Sommer	N. Barnes	St. Super
D. Frost	T. Andrews	T. Andrews
		H. Sommer

Cherron SDC Gulf Ridge VT E 111

1973

55	Coil	2000'	12	3:00	1:00
46	Sawdust	15'	1	3:00	5:00
39			5	5:00	5:00
			5	5:00	7:15
			7	7:15	8:00
3	Coil	2000'	8	3:15	8:30
	Coast	50'	8	3:15	8:45
			8	3:15	9:00
			9	3:15	9:00
2			11	9:00	11:00
			11	9:00	12:00
			12	9:00	4:00
	Coil	1100		4:00	9:45
	Sawdust	10310		9:45	10:00
				10:00	10:30
				11:30	12:00

Trip in 17 1/2" hole to 6 pm.  
 Res in 12 1/2" hole to 17 1/2"  
 Blue 3/16" line  
 Trip out pilot reamer, run in 17 1/2" bit  
 Drill out rat hole  
  
 Drill 17 1/2" hole to 25 h  
 Rig Saw  
 Crew for Trip  
 Trip out, pick up 12 1/4" bit &  
 stab, place stabilizer 60' up, change  
 stab rubber to 17 1/2"  
 Trip in, no rotating head, break cir  
 Drilling 12 1/4" Hole  
  
 Drilling 12 1/4" hole  
 Rig Saw  
 Crew for connection & survey  
 Trip out

Team details

-55°

3:00 a.m. to 10 p.m. 22 ppm to 614.000 ppm

Daylight Team discussed proper use of hand tools

  
 SIGNATURE COMPANY ENGINEERS

TOUR REPORT

EAGLE PLAINS

GULF RIDGE

NADORS DELG  
 N 67° 17' 23"  
 W 137° 53' 35"  
 27 APR 11

72

AST.	37555	37455	4	37555
	1159	1159		1159
	30716	30716		30716
	8432	8432		8432
				383
		77801		75245
	1738	4100		
	79600	88901		

GEI

GEI  
 SAW DUST  
 CAUSTIC

796	819	852
793	796	87
3	23	33

GEI  
 SAW DUST

80 80 80 80 115 115 115 115 115 TRIP  
 5-10 5-10 5-10 10 2 3 2 3 3 2

Pressure  
 of  
 21 ga

AFTER  
 OF H2S

TA 17 1/2 X5732 PILOT KEAMER  
 8 RR 13 1/2 G.W. DDC-3  
 9 12 1/4 34 1/4 116  
 GA 17 1/2 X5732 HOLE COVER

6 1/2 636 788 152 111  
 788 796 2  
 794 352 56  
 796

- F REICHERT
- G. OSMACHENKO
- H. HANICKI
- G. KESLER
- W. KINKLATER
- E. KOPONCHUK
- F. SKINNER
- S. CHABOT
- K. SOMMER
- D. FOSTER
- A. CLEMENTS
- E. MOORE
- B. BACH
- L. HEDRICKS
- N. BARR
- J. ZANK

WIRE 810 1 1/2  
 WIRE 811 1 1/4

OTTER

*[Handwritten signature]*

Sheeran 6096 Surf R 47 1 46

572  
 5 Gel 2800 1200 500  
 530 530  
 730 730  
 800 800

Remain 1214 to 17 1/2 FROM 683 TO 788 LB.  
 BUREAU SURVEY LINE  
 TRIP TO LAY DOWN HAMMER  
 DRILL OUT PILOT HOLE TO 17 1/2"

3  
 3.6  
 3.3  
 5 Gel 1500 300 8:30  
 SAW DUST 8:30 10:30  
 CAUSTIC 10:30 10:45  
 50 10:45 11:30  
 11:30 12:15  
 12:15 3:30  
 3:30 4:00

DRILL OUT PILOT HOLE TO 17 1/2  
 TRIP FOR BIT BRASS 1214 77801  
 113 SURVEY 77802  
 DRILL 1214 HOLE  
 WORK ON BOTTOM HOLE  
 DRILL 1214 HOLE  
 CIRCULAR SURVEY 6 810. 1 1/2  
 CREW HELD FIRE DRILL  
 5 - SERVO

5  
 400 4:15  
 4:15 4:30  
 GEN 4:00 4:15  
 SAW DUST 20 XLS 4:15 4:45  
 4:45 4:45  
 4:45 4:45  
 4:45 4:45

TRIP SURVEY # 341 1 3/4  
 TRIP SURVEY # 341 1 3/4  
 TRIP SURVEY # 341 1 3/4  
 TRIP SURVEY # 341 1 3/4  
 TRIP SURVEY # 341 1 3/4  
 TRIP SURVEY # 341 1 3/4

IF Pressure 70  
 cfm 300  
 21 gals. per min. w/ 0.5% Sulpotex

AFTERNOON TOUR DISCUSSED THE DANGERS  
 OF H<sub>2</sub>S GAS

1 1/2  
 14 Otter made two trips for crew change & freight

*L. T. Gumbly*  
 SIGNATURE COMPANY INC.

**TOUR REPORT**

EAGLE PLAINS

GALE RIDGE

N 67° 17' 23"  
W 137° 53' 75"

LABORS DATA

CHEMAN 508

JAN 10

173

DEPTH	281 58	344 15	2	37 58
DEPTH			2	63 02
DEPTH	11 59	11 54		11 59
DEPTH	307 16	307 16		307 16
DEPTH	84 32	84 32		84 32
DEPTH			17"	383
DEPTH	504	504		
DEPTH		752 26		657 50
DEPTH	40 34	24 00		1550
DEPTH	730 00	776 26		673 00
MORNING				
DEPTH	730	774		793
DEPTH	673	730		476
DEPTH	57	46		15

DEPTH	125	125	125	115	120	TRIP 115	TRIP	30
DEPTH	5m	5m	5m	5	5	-	5	5/15

Pressure  
of  
Inject

6	12 1/4 W 1808	OSC-19	-	3/4 626	722	91	Full
6	12 1/4 W 1800	OSC-12	-	1 1/2 634	709	121	2-1-1
7	12 1/4 36414	#16	-	745	773	28	1
7A	17 1/2 X 5732	HOLE OPENER	-	1 1/4 636	683	47	RUN

Circul  
Hole m

Mike  
CHANGE

TIME							
FROM							
TO							
REMARKS							
HOURS							

AFTER  
WEARIN

Drilled 12"  
opener - re

NAME	F. REICHERT	Ed KRAWCHUK	L. CLEMENTS		
NAME	G. OSMACHEWICZ	F. SKINNER	D. DOERGE	690'	1 1/2"
NAME	A. HALICKI	S. CHABOT	A. BAISH	720'	1 1/2"
NAME	G. WESLER	K. SOMMER	M. ANDERSON	752'	1 1/2"
NAME	W. LIAGLITER	D. FROST	N. BARNES	783'	1 3/4"
NAME		KEASE TOM ANDREWS	J. SAHER		

Hauled

4200 gal



CHELAN SABC GULF RIDGE YT 448

73	1200	315
	315	320
8	330	345
2	345	530
9	530	715
	715	730
6	730	800
2		
3	800	830
	830	915
	915	1145
	1145	1215
	1215	140
	140	300
0	300	400
0		
0	400	530
	530	545
	545	600
	600	630
	630	700
	700	730
	730	1030
	1030	1045
	1045	1200

DALG 12 1/4 HOLE  
 Blow Blowel Line  
 SURVEY @ 690 1 1/2"  
 TRIP FOR STABILIZER 17 1/2" TO 12 1/4"  
 DALG 12 1/4 HOLE  
 SURVEY @ 720 1 1/2"  
 REAM FILL AFTER SURVEY

CIR. CHELAN HOLE  
 RIG SERVO WORK ON TABLE  
 DRNG 12 1/4 HOLE  
 SURVEY @ 752 @ 1 1/2"  
 DRNG 12 1/4 HOLE  
 TRIP FOR BIT Sidm 79 DIFF  
 DRNG

DRNG  
 SURVEY @ 783 - 1 3/4"  
 RIG SERVO  
 TRIP OUT  
 LAY DOWN STAB, MAKE UP HOLE OPENER  
 TRIP IN  
 BRK CIRCL RIG ROTATING HEAD  
 REAM 12 1/4" TO 17 1/2"

80 Pressure 70  
 5/15 efm 300  
 Injecting 2 gals per min w/ 0.5% sulfotex

circulate 15 min to clean up hole before survey  
 Hole making small amount of water

ACCIDENT REPORT  
 MIKE ANDERSON GOT STEEL CHIP IN HAND WHILE  
 CHANGING TONG DIES

AFTERNOON TOUR DISCUSSED THE IMPORTANCE OF  
 WEARING GLOVES AROUND RIG.

Drilled 13 1/4 pilot hole from 636 to 793 - Tripped out - pulled up hole  
 opener - reamed with 17 1/2 hole opener from 636 to 673 - 47'

11:20 Hauled DTK over from Whitefish location to work on road glacier  
 1:20  
 1:40  
 1:54

4200 gal diesel fuel delivered to base via Falcon

*[Signature]*  
 PROJECT ENGINEER

**TOUR REPORT**

**ENGLE PLAINS**

**GULF RIDGE**

**N67°**

**NUMBERS 4215**

**17' 23'**

**CH-4001**

**W137°**

**53' 35' JAN 9**

**373**

STAND	18758	18758	2	8758
INCH		3148	2	6302
VALVE	1159	1159		1159
DEPTH	30716	30716		30716
WELL	8432	8432		8432
START	504	504		504
END				
WELL NO.				
WELL NAME				
WELL TYPE				
WELL STATUS				
WELL DEPTH	2431	62717		65871
WELL TOTAL	62000	1400		1500
		64117		673
MORNING TIE				
DEPTH	620	641		673
DEPTH START	575	630		641
DEPTH END	45	21		32

DAY WORK											
PROF											
RETURN	115	115	115	115	115	115	115	115	115	115	125
WEIGHT	5m	5m	8m	8m	2-8	5-8	415	415	415	415	415
MULTIPLIER											

**AMEC 100 LISTING**

5	17 1/2 BK550	OSC-3	11hrs	<del>574</del> 574	620	62	<del>1-1-1</del>
6	12 1/4 W1868	OSC-16		630	641		KUN
6	12 1/4 W1868	OSC-16		641			

**Trip at**

DATE									
TIME									
DEPTH									
WELL									
WELL NO.									

**BJ Ma Unit**

NAME	E. REICHERT	E. KATWICHOR	A. CLEMENTS	
NAME	G. OSMAJENKO	F. SKINNER	B. DODGE	LINE 600' 1440
NAME	A. HANICKI	S. CHARBOT	A. BARNETT	20 174
NAME	G. KASLER	K. SOMMER	M. JOHNSON	8 112
NAME	W. LINKHARTEN	D. FROST	D. BARNES	
NAME	A. RODE	TONI ANDREWS	S. JAYR	

**Other 8 dr 50**

CHULON JOBC GULF RIDGE IT 448

573  
 7 58  
 3 02  
 1 59  
 7 16  
 2 32  
 5 04  
 8 71  
 5 00  
 3  
 3  
 1  
 2  
 5 125  
 5 45

1200 515 DRAG 17 1/2" HOLE  
 515 530 SURVEY @ 600 1 1/4"  
 530 630 REPAIR OIL LINE ON ROTATING HEAD  
 630 800 DRAG 17 1/2" HOLE

DISCUSSED SHUB LINES ON TONGS.

800 1045 DRAG 17 1/2" HOLE  
 1045 1100 SURVEY @ 626 @ 1 1/4"  
 1100 1115 TRY SCRU  
 1115 1145 WRAB  
 1145 315 TRIP FOR BIT  
 345 400 DRAG 12 1/4" HOLE.

415 500 DRAG 12 1/4" HOLE  
 500 515 RIG SCRU  
 515 1045 DRAG 12 1/4" HOLE  
 1045 1100 SURVEY @ 658 @ 1 1/4"  
 1100 1200 DRAG 12 1/4" HOLE

AFTER NOON TOUR DISCUSSED THE NO. NOS. OF  
 USING GASOLINE, CLEANING ROAD AROUND BOLLERS.

1-1-1  
 Trip at 636 to change to 12 1/4" bit

BJ Maintenance Mechanic in to pull motor out of Mol skid  
 unit - seized up.

Order in twice with groceries and personal

8 drums Sulfite Sal used to date  
 50 # A1 Stearate " " "

*Let's*  
 QUALITY CONSULTING ENGINEER

TOUR REPORT

EAGLE PLANS

HUNT RIDGE

N 67° W 137'

MARKS ONLY

17' 23' 53'

JAN 8

LEONARD

73

	9458	9458	1	9458
		3155	2	6303
	1159	1159		1159
7 + 64	30716	30716		30716
9	8432	8432		8432
	504	504		504
		53424		
	1831	2800		1000
	52100	55724		57500
	521	557		575
	481	521		557
	40	36		18

TRIP 115' 115' 115' 115' 115' 115' 115' TRIP TRIP 115'

5m 5m 5m 5m 5m 5m 5m

Press  
of m  
Injec

3	17 1/2	XP 681	OSC - 19	17 1/2	421	485	24	111
4	17 1/2	CP 526	OSC - 3	4	485	521	36	✓
4	17 1/2	CP 526	OSC - 3	17 1/4	485	574	39	1-1-1
5	17 1/2	BK 550	OSC - 3	1/4	474	575	1	RUN

NOTE  
AFTER NO  
KEEPING

A 11

4500

017700

- F. BEICHERT Ed KAHWCHUK
- G. DSMACHENKO F. SKINNER
- H. HANICKI S. CHABOT
- G. HEDER K. SOMMER
- W. LUKHTER D. FROST
- LEASE TOM ANIKRAUS

*[Signature]*

CHEURON 5080 GALE RIDGE VT-F48

73	1200	100	DRNG 17 1/2' HOLE
	100	115	SURVEY @ 470' 1 1/2"
58	115	130	BLOW HOLE OF SURS AND BLOWER LINE
03	130	345	TRIP FOR BIT
59	345	645	DRNG 17 1/2' HOLE
	645	700	SURVEY @ 500' 1 1/2"
	700	800	DRNG 17 1/2' HOLE
16			
32			
	800	100	DISCUSSED DANGERS OF BOORE ON JOB.
04	700	115	DRNG 17 1/2' HOLE
	115	130	N.B. SURV
	130	410	SURVEY @ 523' 1 1/2"
			DRNG
00			
00	400	7 5	DRNG 17 1/2' HOLE
	715	730	CIRC. HOLE CLEAN
	730	745	SURVEY @ 563' 1 1/4"
	745	900	TRIP OUT
	900	930	THAW COLLLECTOR BDR.
	930	1000	CHANGE BIT, STAB.
	1000	1145	TRIP IN + BRK CIRC.
	1145	1200	DRNG 17 1/2' HOLE.

115  
51  
Pressure 60 psi +2°F  
Cfm - 300  
Injecting 18 gals per min. w/ 0.4% Sulfotex

NOTE -  
AFTERNOON TOUR DISCUSSED THE IMPORTANCE OF  
KEEPING TONG SNOB LINES IN GOOD CONDITION

All Crews working 12 hours - 8 hours on floor  
4 hours on lease

4500 gal fuel arrives lease - tanks by 1400h

OTter in w/ load at 9000h.

1 1/2"  
1 1/2"  
1 1/2"  
1 1/2"

*[Handwritten signature]*

TOUR REPORT

EAGLE PLAINS

GULF RIDGE

NADORS D-229

N 67' 17" 23"  
W 137' 53' 35"

CHUCKEN 3

JAN 7

175

			3162	2	6295
	1159		1159		1159
	30726		30726		
9	8432		8432	9	3432
7-6"				67226	30716
	504		504		504
	1289		1273		1000
	42100		48100		42100
	421		451		481
	406		421		451
	21		30		30

70	90	TRIP.	105	105	105	100	100	100	100	120
6-8	6-8		5-6	5-6	5-6	7	7	7	7	485

Pressure  
cfm  
gals

2	17 1/2 x D 682	OSC - 19	32	254	421	167	231
3	<del>17 1/2 x D 682</del>	OSC - 15	13 1/2	421	481	60	Run
	D 681						

- F. REICHERT
- G. USMACHENKO
- A. HANICKS
- G. KESLER
- W. LINDHARTS
- E. KAMMICHEN
- F. SKINNER
- S. CHABOT
- K. SOUMIER
- L. I. POST.
- B. DEWE LINE
- L. BAILLIE LINE
- M. ANDERSON LINE
- N. BARNES
- J. ANDREWS
- J. SAUER

*[Handwritten signature]*

CHOURN SOBCC - GULF RIDGE 17F48

1975  
5  
9  
2  
6  
4  
0  
0  
120  
405

1200 315  
315 330  
330 445  
445 600  
600 700  
700 800

DRLG 17 1/2 HOLE  
SURVEY @ 410 1 1/2"  
DRLG 17 1/2 HOLE  
TRIP FOR BIT  
THAW CONDUCTOR BARRIER TO GET BIT THROUGH  
CHANGE BITS & CHECK STABILIZER.  
2. Bailers 8 hrs.

800 815  
815 930  
930 300  
300 330  
330 400

RIG SOBCC  
TRIP IN BKE CIRCL & CIRCL  
LDR 3'  
SURVEY @ 440 1. CON.  
LDR 9'.  
2. Bailers 8 hrs.

400 415  
415 430  
430 445  
445 460

RIG SOBCC  
DRLG 17 1/2 HOLE  
SURVEY @ 470 1 1/4"  
DRLG.  
2. Bailers 8 hrs.

Pressure 60 P.S.I.  
cfm 300

gals. per min = 19 with 0.4 to Sulfotex

6 - 7" D.C. 126.00'  
4 - 6" D.C. 121.16'

1 1/2"  
1"  
3/4"

**TOUR REPORT**

Site Eagle Pt. Gulf Ridge  
 REFERENCE POINTS  
 REDUCED BAND IN NO. 1

VABORS DALS  
 N 67° 17' 23"  
 W 137° 53' 35"  
 JAN 6

CHEVRON

973

STATION	DEPTH	TIME	TIME	TIME
START				
STOP				
START		11 59	11 59	11 59
STOP				
START	7	185 96	216 21	276 20
STOP	9	84 32	84 32	84 32
START		5 04		
STOP			5 04	5 04
START				
STOP				
START		23 09	37 00	21 85
STOP		310 00	354 00	400 00
START				
STOP				
START		3 10	3 54	4 00
STOP		2 80	3 10	3 54
START		3 0	4 4	4 6

DEPTH	TIME	TIME	TIME	TIME	TIME	TIME	TIME	TIME	TIME	TIME
80	70	70	70	70	60	60	60	80	90	90
5m	10m	10m	10m	8	15	15	15	6m	6m	6m

2 17 1/2 10 182 OSC-14 - 13 1/4 254 310 58 ✓  
 27 1/2 254 400 146 -

- |              |               |                          |
|--------------|---------------|--------------------------|
| E. REICHERT  | LINE ELEMENTS | F. REICHERT              |
| G. OSACHENKO | BARRY DICE    | G. OSACHENKO LINE 290 1° |
| A. HANIKI    |               | A. HANIKI 27             |
| G. KESLER    |               | G. KESLER 398            |
| W. LINKEATER |               | W. LINKEATER             |



CHEVRON JOBC GULF RIDGE RT-548

73	1200	315	DRLG 17 1/2" HOLE
	315	330	SURVEY @ 290' 1°
	330	400	TIGHTEN CHAINS ON CONDUCTOR LINE
	400	800	DRLG 17 1/2" HOLE
9			
0			
2			
4	800	1200	DRLG 17 1/2" HOLE
	1200	1245	SURVEY @ 317
	1245	1245	RIG SERVO MOTOR KILLS CROWN STOPPER
	1245	400	DRLG 17 1/2" HOLE
1			
0			
	400	430	DRLG 17 1/2" HOLE
	430	445	RIG
	445	500	SURVEY @ 348 1°
	500	505	INSTALL NEW AIR COMPRESSOR
	505	800	DRLG 17 1/2" HOLE
	800	815	SURVEY @ 370 1 1/4°
	815	1200	DRLG 17 1/2" HOLE

90  
60

10

TOUR REPORT

NABORS DRILL

CHEVRON

GULF RIDGE

JAN 5

073

		11 59		11 54		11 59
7		91 33	4700 <sup>9</sup>	122 84		154 42
9	3	84 32	370 <sup>9</sup>	84 32		84 32
		504	3113	504		504
		40 72		31 00		24 63
		233 00		254 00		280 00
		233		254		280
		195		233		254
		38		21		26

100	100	100	50	50	50	50	50	50	80	80	80
5m	5m	5m	5"	5"	5"	5"	5"	5"	5m	5m	5m

Drilling  
3 60  
out  
work  
now in

1	17 1/2	174	OSC-3	22 1/2	66	254	100	✓	3-3-1
2	17 1/2	10682	CSC-10	6 1/2	254	280	26	✓	

- F. REICHERT      Line CREMENTS
- G. OSMACHENKO
- A. HANIKI        LORNE BAICH
- G. KESLER        MARK ANDERSON
- W. LINKHATER    NICK BARNES
- TOM McRENS

Line	195	1/4
"	223	
"	251	1/8"
"	60	1/2"

CF CS  
FOR

*[Handwritten signature]*

CHEVRON SOBC GULF RIDGE VT. F48

573	1200	100	DRLG 17 1/2" HOLE
	100	15	SURVEY @ 195' 3/4"
	15	800	DRLG 17 1/2" HOLE
59			
42			2 Bbls 2 HAS
32			
04	200	5	RIG SERVICE
	200	500	SURVEY @ 195' 3/4"
	230	200	TRIP IN 1
	245	200	TRIP IN 1
	260	200	TRIP IN 1
	275	200	TRIP IN 1
	290	215	TRIP IN 1
	305	30	SURVEY @ 195' 3/4"
63	330	400	CHANGE BIT + TRIP IN
00			2 Bbls 2 HAS
	400	400	RIG SERVICE
	415	530	TRIP IN 1 BREAK CIRC
	530	1200	DRLG 17 1/2" HOLE
			2 Bbls 2 HAS

DRILLING 17 1/2" HOLE WITH CSC-3J LRL. FOAM AT 300 CFM @ 60 PSI, 17 GPM WATER AND 0.4% SURETEX. TRIP IN OUT BIT #1 AT 254 AFTER 33 ROTATING HRS. SHIRT TAIL WORK. RAN IN 1/2" CSC-16J.

CF CSB MADE TRIP TO OLD CROW FOR CREW CHANGE.

*Handwritten signature*  
INDUSTRIAL CONTRACTORS

1/4  
 1 1/8"  
 1/2"

TOUR REPORT

NABUCCO

REPORT OF GILF KID E  
 REUNION ABANDONED RESERVE

JAN 4

1973

START				
STOP				
TIME	11 26		11 59	11 59
7	94 63	7'	31 38	62 45
		9'	30 32	84 32
			504	504
TOTAL	14 11		13 67	31 60
	120 00		147 00	195 00
	120		147	195
	84		120	147
	84		27	48

60	50	50	50	115'	115'	115'
3m	6m	9m	9m	5m	5m	5m
58 <u>PUMP TANK</u> →						

1	17 1/2	174	OSC-3	-	12 3/4	66	120	54	ROW
1	17 1/2	174	OSC-3	ORON	<del>120</del>	66	195	129	✓

- F. REICHERT
- G. OSMACHENKO
- A. HANIKI
- G. KESLER
- W. HINDLATER

ED KATHACHAK  
 LINE 105 1/4  
 WIK ANDERSON LINE 120 1/4  
 A. FRANKIS  
 W. KROBT.

FROM D  
 200  
 STARTED  
 60  
 FROM  
 VERT  
 CONTACT  
 17

WX: VI  
 CA

CHEVRON COBC GULF RICE IT F-48

573		1200	600
		600	615
	2 1/2	615	900
	50		
59			
45			
32			
04	2 1/2	900	1030
		1030	1045
		1200	300
		300	1100
60			
00		400	500
		500	530
		530	705
		715	710
		730	1200

DRLG 1 1/2" HOLE  
 SURVEY @ 105' 1/4°  
 DRLG 1 1/2" HOLE

NPLG 1 1/2" HOLE  
 115 GPM  
 PICK UP 7" DIC  
 CHANGED POWER TO 5000 WATT

PICK UP DRLG COLLARS  
 BIT OF ROTATING HEAD  
 DRLG  
 SURVEY @ 170' 1 1/4°  
 DRLG

FROM DRILLED WITH VAN FLAM FOR 15 1/4 DRILLING HRS.  
 300 CFM AT 60 PSI 17 RPM WITH C-57 VAN FLAM.

STARTED USING SULTEX CAL AT 3 CFM. 300 CFM AT  
 60 PSI 17 RPM WITH C-7 SULTEX CAL.

TRIED TO BUILD WEIGHT UP TO 15 IN 15 SURVEY AT 170'  
 VAN 1 1/4. DROPPED WEIGHT TO 5 IN 15 AND INCREASED  
 ROTARY TO 115 RPM. CHANGED WATER TO 15 GPM FROM  
 17 GPM. RAN 300 CFM @ 60 PSI.

WX. VIB LESS THAN 1/2 MILE IN NW  
 OF COB COULD NOT GET IN TO PICK UP THE CREW. *Richard M. ...*

44  
 1/4

TOUR REPORT

Name \_\_\_\_\_

W. H. GUY RIDGE

JAN 3

1963

DESCRIPTION				
				11 26
				63 12
				9 62
				84 00
				84
				66
				18

SU 50 50  
 3m 3m 3m  
 AIR.

NET TO  
 FLOAM ?

1	17 1/2 INCHES H.W.	1	0	62 30	66	Row
		5	0	84	84	Row

- |              |              |                |
|--------------|--------------|----------------|
| F REICHERT   | N. AMALIA    | Ed KÄTHLEINER  |
| G OSNACHENKO | R. FILIPCHIK |                |
| A HALLICKI   | W. ELSERT    | HILKE ANDERSON |
| G KOSLER     | J. SPYER     | R. FRANZIS     |
| W. KUCHTER   | C. HUBERT    | L. PRIEST      |

*[Handwritten Signature]*

WELDER

CHEVRON OILS GULF RICE ST. P. HO

373

12<sup>00</sup>

MAKE UP BLOWER LINE  
WORK ON MUD TRAP GATES  
WORK ON MUD TRAP THROTTLES

8<sup>00</sup>

26

12

8<sup>00</sup> 12<sup>00</sup>

WORK ON BLOWER LINE

12<sup>00</sup> 1<sup>00</sup>

WORK ON ROTARY GUARD

1<sup>00</sup> 4<sup>00</sup>

PICK UP ROTARY HEAD.

62

00

4<sup>00</sup>

CHEHN JIP

7<sup>00</sup>

HEIT KIT JIP TO SPUD

7<sup>00</sup> 12<sup>00</sup>

HEIT WELDER ETC

DRLG 17 1/2" HOLE

50  
3m

KB TO T.L. CONTINUING PIPE 66.00'

SPUDDED IN AT 11 00 PM JAN 3 1973 USING VAN  
FLAM 300 JIP 2 1/4" 17 1/2" HOLE 6.5' VAN FLAM

WE-DER. WORKING ON S.P. PIPE 14 IN. (JAN 2/73)  
WELDER 'S HAS IN BLOWER LINE JAN 2/73

*Michael Spud*  
SUPERVISOR

# TOUR REPORT

Number

1

WEATHER CONDITIONS

✓ WIND VELOCITY (KNOTS)

✓ PRESSURE (MM HG)

JAN

1962

TIME	LOCATION	TEMP	WIND	WAVE	SEA	SWELL	WIND DIR	WAVE DIR	SEA DIR	SWELL DIR
0000										
0100										
0200										
0300										
0400										
0500										
0600										
0700										
0800										
0900										
1000										
1100										
1200										
1300										
1400										
1500										
1600										
1700										
1800										
1900										
2000										
2100										
2200										
2300										
2400										

WIND VELOCITY (KNOTS)  
 WAVE VELOCITY (KNOTS)  
 SEA VELOCITY (KNOTS)  
 SWELL VELOCITY (KNOTS)

- F REICHERT    N ANASIA    K. K. KHUACHIA
- G USMACHENCO    K FILIPCHUK
- A HAILOV    W ELBERT    W. ANDARSON
- H KESLER    J SAYER    K FRANCIS
- W LINKLATER    B POWLETT    R. TILOST





CHEVRON - GILL LAMP NORTH 77° 45'

712

10<sup>00</sup>

WORK ON #1 PUMP

START #3 MOTOR & FANN SADE

8<sup>00</sup>

BUILD WALKS "HELPING" LAMP WIRE

10 8<sup>00</sup> 5<sup>00</sup>

WORK ON #2 PUMP & PRIME  
WELL ON CONDUCTOR PIPE  
BOLT ON RIGGING HEAD.

~~12<sup>00</sup>~~ 3<sup>00</sup> 2<sup>00</sup>

CHEWING OR LEASE ETC.

CHEVRON - GILL LAMP NORTH 77° 45'

N 61° 11' E 1000 YD (V) 1000 YD

THE CHEVRON BLEVE IS 4' IN DIAMETER AND IS 7' IN HEIGHT

NO ELEVATION. 1024

BLEVE - 4' IN DIAMETER - 7' IN HEIGHT

NOTE: BLEVE IS 4' IN DIAMETER AND IS 7' IN HEIGHT. IT IS LOCATED

10' S OF L 5. THE BLEVE IS 4' IN DIAMETER AND IS 7' IN HEIGHT.

BLEVE IS 4' IN DIAMETER AND IS 7' IN HEIGHT. IT IS LOCATED

10' S OF L 5. THE BLEVE IS 4' IN DIAMETER AND IS 7' IN HEIGHT.

BLEVE IS 4' IN DIAMETER AND IS 7' IN HEIGHT. IT IS LOCATED

10' S OF L 5. THE BLEVE IS 4' IN DIAMETER AND IS 7' IN HEIGHT.

BLEVE IS 4' IN DIAMETER AND IS 7' IN HEIGHT. IT IS LOCATED

10' S OF L 5. THE BLEVE IS 4' IN DIAMETER AND IS 7' IN HEIGHT.

BLEVE IS 4' IN DIAMETER AND IS 7' IN HEIGHT. IT IS LOCATED

10' S OF L 5. THE BLEVE IS 4' IN DIAMETER AND IS 7' IN HEIGHT.

BLEVE IS 4' IN DIAMETER AND IS 7' IN HEIGHT. IT IS LOCATED

10' S OF L 5. THE BLEVE IS 4' IN DIAMETER AND IS 7' IN HEIGHT.

NOTE: THIS IS RELATIVE TO 1/70 SCALE

WORKING WALKING SO LAMP 10. 10 HRL 1 7/8 *Amel 2 pens*

TOUR REPORT

Boyle Plans 11-17-23 1037 53 31

Dec 12

272

DATE	TIME	LOCATION	DESCRIPTION	AMOUNT	CHECK NO.	DEBIT	CREDIT	BALANCE

Boyle Plans  
 11-17-23  
 1037  
 53  
 31  
 12

1974  
"Museum" 1974  
17 1/2 ft

1974

Robinson, R. M. 1974

1974

1974 - N. Taber

1974 - F. Thomas

12<sup>th</sup> - 7<sup>th</sup> Floor Drill Hole made to 22 feet

Drill Hole made to 14 feet

1974

1974  
1974





**TOUR REPORT**

Boyle Place 17-23 W171 53 35

Dec 16 172

NAME	ROOM	ROOM NO.	ROOM TYPE	NO. OF PERSONS	NO. OF ROOMS	NO. OF NIGHTS	NO. OF MEALS	NO. OF BATHS	NO. OF TOILETS	NO. OF CLOSETS	NO. OF LOCKERS	NO. OF TRUNKS	NO. OF BAGGAGES

TOTAL: ...

REMARKS: ...

DATE: ...

*Handwritten notes:*  
 The building  
 100-101-102  
 103-104-105  
 106-107-108  
 109-110-111  
 112-113-114  
 115-116-117  
 118-119-120  
 121-122-123  
 124-125-126  
 127-128-129  
 130-131-132  
 133-134-135  
 136-137-138  
 139-140-141  
 142-143-144  
 145-146-147  
 148-149-150  
 151-152-153  
 154-155-156  
 157-158-159  
 160-161-162  
 163-164-165  
 166-167-168  
 169-170-171  
 172-173-174  
 175-176-177  
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 622-623-624  
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 631-632-633  
 634-635-636  
 637-638-639  
 640-641-642  
 643-644-645  
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 649-650-651  
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 655-656-657  
 658-659-660  
 661-662-663  
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 667-668-669  
 670-671-672  
 673-674-675  
 676-677-678  
 679-680-681  
 682-683-684  
 685-686-687  
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 700-701-702  
 703-704-705  
 706-707-708  
 709-710-711  
 712-713-714  
 715-716-717  
 718-719-720  
 721-722-723  
 724-725-726  
 727-728-729  
 730-731-732  
 733-734-735  
 736-737-738  
 739-740-741  
 742-743-744  
 745-746-747  
 748-749-750  
 751-752-753  
 754-755-756  
 757-758-759  
 760-761-762  
 763-764-765  
 766-767-768  
 769-770-771  
 772-773-774  
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 781-782-783  
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 823-824-825  
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 829-830-831  
 832-833-834  
 835-836-837  
 838-839-840  
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 844-845-846  
 847-848-849  
 850-851-852  
 853-854-855  
 856-857-858  
 859-860-861  
 862-863-864  
 865-866-867  
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 913-914-915  
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 922-923-924  
 925-926-927  
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 946-947-948  
 949-950-951  
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 1804-1805-1806

2. No. 115 S. 11th St. P. 11/17/47

972

Blank lined area

Blank lined area

Roberts Hat Hill Proj #4

Day Shift

Operation of Pick field

Helper C Weber

Night Shift

Operator W Weber

Helper F Thomas

8:00 - 2:00 - 6 hours cleaning conductive pipe out to 36' from 35 to 37

2:00 - 8:00 - Repairing truck

8:00 - 12:00 - 4 hours cleaning conductive pipe out to 36' from 37 to 39

Handwritten notes at bottom right

**TOUR REPORT**

Loyle Plains 4017-17-23 WBT 53 35

Dec 9 512

Time	Temperature	Wind	Humidity	Pressure	Direction	Speed	Other

Time	Temperature	Wind	Humidity	Pressure	Direction	Speed	Other

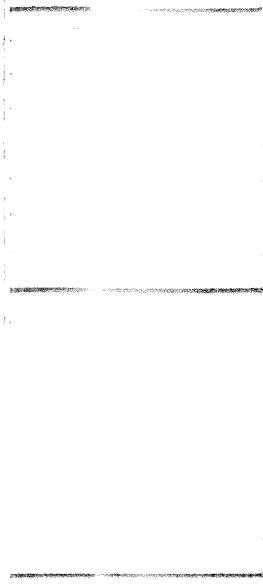
Time	Temperature	Wind	Humidity	Pressure	Direction	Speed	Other

Robins  
Ducks  
Crows  
Hens  
Meadow Lark  
C. Sparrow  
H. Oriole  
W. Wren  
C. Wren  
C. Gnatcatcher  
H. Kinglet



12 Period of the ...

12



12 Period of the ...

Day Shift

Operator - A. P. ...

Helper - ...

12 Period of the ...

Operator - A. T. ...

Helper - ...

$4 \frac{10}{20} = 13 \frac{20}{20}$  Drill 30 ... 47'  
 $1 \frac{20}{20}$  ... 36 ... 25' ... 25'

... 40 to 42'  
 ... 25 to 40'

... 42'

...



Sherrill 3000 ft. 10/10/1919

372

Roberts, Roy #4  
L. J. Roberts  
W. J. Roberts

9:30 am - 10:30 am  
29 hours working on 3000 ft. hole  
D. hole 20' hole from 27 to 95'  
Heamed to 36' hole to 23 feet in depth  
47' of gas at formation at 40 feet  
100' of gas at 100' level  
100' of gas at 100' level

57  
57 June 1919



Cherry 2130 July 17 1897

572

Roberts Aug 4  
Spartan - R. Pickford  
Culpeper - H. Weber

Pig Down - Spartan Seed

Wm. L. ...



572

Highway 104

Upper H. Park &  
H. 100

8:00 AM - 11:00 AM - 11 Miles running at conductor  
Note: 20' to 570' straight  
Road is 25' wide

Highway maintenance 1 hr  
with driver 1 hr

10/11/11  
+

# TOUR REPORT

FIELD Logg Plains No. N 67-17-23 W 137 S 53 R 35

DEPT. 13 ABANDON NO. 1 REW. BY Dec 5 1972

DRILLER	SENIOR	ENGINEER	MORNING	AFTERNOON	EVENING	TOTAL
STAND						
CONV						
X-DIERS						
STAB						
COLLARS						
W. AR						
W. AMER						
STAB. DEPT						
JARS						
W. M. P. S. C.						
W. T. W. M. P. S. C.						
TOTAL						
KEY						
DEPTH						

MORNING TOUR						
DEPTH						
DEPTH						
DEPTH						
FOOTAGE						

DAY WORK						
PUMP						
ROTARY SPEED						
WEIGHT						
MUD WEIGHT						
VISDS						
W. T.						

MUD LEVEL						
DEPTH						
DEPTH						
DEPTH						
DEPTH						

CORE						
TYPE						
FROM						
TO						
REASON						
HOURS						

MORNING TOUR						
DEPTH						
DEPTH						
DEPTH						
DEPTH						
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DEPTH						
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DEPTH						

Roberts  
H. B. R.  
8:30 AM



Cherry

Page 4 of 48

NO. ALL ADDED

DATE

072

Roberts Rig # 4

Operator R. B. [unclear]

Helper C. Weber

8<sup>00</sup> am - 11<sup>00</sup> pm

- 12 hours drilling conducted bore  
30' bore to 28 feet

High ice content to 23 feet -  
hit clay at 23 feet with ice

2 hrs rig maintenance

1 hr lunch & dinner

*[Signature]*  
SIGNATURE COMPANY ENGINEER

# TOUR REPORT

Co. Eagle Plains No. 17-17-23' U.I.P. 53 35

Dec 4

1072

STAMPS	PLAN						
SCALE	SP. NO.						
X-DIRECTION							
DEPTH							
COLLARS							
REAMER							
STAG. DEPT.							
APR							
ROTARY SPEED							
ROTARY TORQUE							
W. POINT							
DEPTH							

TOUR	MORNING TOUR						
DEPTH							
DEPTH START							
FOOTAGE DRILLED							

DAYS WORK							
PUMP							
ROTARY SPEED	R.P.M.						
WEIGHT IN BIT	WT.						
MUD WEIGHT	WT.						
W. POINT							
MUD LEVEL							
IN TANKS							

TYPE							
FROM							
TO							
REMARKS							
HOURS							

SIGNATURE	DURING TOUR	AFTER TOUR				
DRILLER						
DEPT. HEAD						
RECORD						
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30  
 Green  
 Unit F  
 Larrance  
 Unipac  
 Permit  
 3 20 2

Section 48 Unit F-48

1072

3080

Cherwell Gold Ridge 17 F-48

Unit F Section 48 Co. E 47-21 137-45  
Latitude 67° 17' 23" N Longitude 137° 53' 32" W  
Unique ID: 3080 F48 2720 137 45 0  
Universal Transverse Mercator 67 21 23 N 137 53 32 W  
Permit # 6462

Worked on Herbert's Flat Hill. Getting nice view of

Location A P. 4. 1. 1  
Herbert's Flat Hill

2:30 - 3:30 pm Picked up first bucket of water  
4:45 pm up

3:30 - 4:30 pm - Dipping under the hill. Snow  
ground level to 7 feet - 30' wide hole  
mostly ice.

Signature  
SIGNATURE COMPANY ENGINEER