

TOUR REPORT

FIELD Kace Plain WELL NAME 1

CONTR. FOR NA 3023

RIG NO 1

LSD N 66° SEC 20' TWP 10"

Ree W 137° W 13'

Che

- DRILLING DEEPENING COMPLETING
 REDRILLING ABANDONING REWORKING

FOR 24 HOURS ENDING 12 MIDNIGHT May 6 1972

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

MUD and CHEMICAL	Kind
	TOUR 1
	TOUR 2
	TOUR 3

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

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

Plug #4
Cut off
5 sack cement
Stubs - 5
Rig

NO.	SIZE	SERIAL	BIT KIND AND TYPE	JET SIZES IN 7/32	TOTAL HOURS	FROM	TO	FEET	BIT CONDITION

CORE No.	No.	DST No.	FROM	TO	MUD ENGINEER'S REPORT					
TYPE			PREFLOW	mins	I.H.P.	psi	IEP	psi	Time AM PM	Air Int. Gel 10 Min. Gel
FROM			I.S.I.	mins	F.H.P.	psi	F.F.P.	psi	Mud Wt	W.L.F.C.
TO			V.O.	mins	I.S.I.P.	psi	G.T.S.	mins	Visc	pH
Recovery			F.S.I.	mins	F.S.I.P.	psi	F.T.S.	mins	A.V.	P.V.
HOURS			RECOVERY						Y.P.	Solid C.A. ppm CL ppm

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR	DEVIATION RECORD		
				Kind	Depth	Reading
DRILLER	<u>B. K...</u>	<u>G. Willey</u>	<u>F. Reichert</u>			
DERRICKMAN	<u>B. ...</u>	<u>A. Young</u>	<u>W. Yachshyn</u>			
HELPER	<u>B. ...</u>	<u>I. Clements</u>	<u>G. Harker</u>			
HELPER	<u>J. ...</u>	<u>H. Terry</u>	<u>M. ...</u>			
HELPER	<u>B. ...</u>	<u>M. Greif</u>	<u>R. Lockhart</u>			
REMAN						
W.L. PUSHER	<u>D. ...</u>					

Chevron 503C WM N PARKIN VT D-61

1972	MUD and CHEMICALS ADDED		From	To	OTHER HOURLY OPERATING DETAIL WORK DONE
	Kind	Amount			
TOUR	TOUR 1		12:00	3:35	1000 Trip in feet 1200 Lay Down Drill Pipe, Mud Sigs Run in various cases.
FEET			3:30	3:30	
FEET			3:35	7:00	
FEET			7:00	8:00	
FEET	TOUR 2		8:00	12:00	Lay down logs. Lay out floor & ...
FEET					
FEET					
FEET					
FEET	TOUR 3		4:00	12:00	Rig out mud tanks Drain & wash pumps Pick up planks.
FEET					
FEET					
FEET					

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

Plug #4 Pelt @ 1120 @ 3:15 PM
 Cut off casing bowl
 5 sac cement placed in casing stub - steel plate welded on
 stub - sign to be installed on sub moved off well site.
Rig released 12 Noon May 6, 1972
 L. F. J. [Signature]

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

TOUR REPORT

FIELD *Enoch Basin* WELL NAME *Y 52-16*

CONTRACTOR *...* NO. *...* DATE *66 DEC 20* TIME *...*

DRILLING DEEPENING COMPLETING
 REDRILLING ABANDONING REWORKING

TOOL JOBS END NO. *...* DATE *NOV 15* 197*7*

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

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

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

Closed hydril and pressured up on formation below casing shoe using B2 Cementer. Pressured up to 1500 psi - no breakdown - pressure after 5 min 1500 psi. No bleed off. Bleed off pressure opened hydril & ran plug #4

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

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	<i>R. ...</i>	<i>G. W. ...</i>	<i>F. REICHERT</i>
DRIFTRICKMAN	<i>...</i>	<i>A. YOUNG</i>	<i>W. YACSHYN</i>
HELPER	<i>...</i>	<i>S. CLEMENTS</i>	<i>G. HARKER</i>
HELPER	<i>J. ...</i>	<i>K. TERRY</i>	<i>M. GUNSON</i>
HELPER	<i>B. ...</i>	<i>M. GREFF</i>	<i>R. LOCKHART</i>
FIREMAN			
TOOL PUSHER	<i>...</i>		

MUD ...
 TOUR 1
 TOUR 2
 TOUR 3
 DST #2
 single pack
 testing cor.
 size of
 Prallow
 9" for
 Weak
 dying attr
 Recovered
 mud wt
 hydril rec
 CI content
 CI content
 CI content
 IHP 804
 FSIP 550 ps
 Set Tool
 approximat
 Charts O
 Ran ceman
 with 1666

Chevron SOPBC W.M. PARKIN Y.T. 12-61

OTHER HOURLY OPERATING DETAIL WORK DONE

MUD and CHEMICALS ADDED		From	To	
Kind	Amount			
TOUR 1		12:00	12:05	Circ - Loss Mud
		12:05	12:10	Rig Seal & Mud
		12:10	12:15	Trip Out 12:15
		12:15	12:20	Work on rig
		12:20	12:25	Trip In & Pass
		12:25	12:30	Work on rig
TOUR 2		8:00	12:05	Testing
		12:05	12:10	Put JACKS down 1st 5' of #2
		12:10	12:15	TRIP DOWN 1st 5' of #2
		12:15	12:20	TRIP UP
TOUR 3		4:00	4:30	WAIT ON ORDERS
		4:30	5:30	TRIP IN OPEN ENDED TO 1280
		5:30	6:45	RUN PLUG #4 @ 1280-1150
		6:45	7:45	TRIP OUT & LAY DOWN PIPE
		7:45	8:45	TRIP IN COILS & LAY SAME DOWN
		8:45	12:00	NO & TEAR OUT

CEMENTING TESTING LUBING SPECIAL OR DETAILS INCLUDING ENGINEERING SUMMARIES

DST #2: Interval 1506 - 1524 - straddle hookwell by pass
 single packers ran with gars, safety joint, MIE tool chamber
 Testing Company: Johnson Testers - Operator: Yohamas
 Size of rubbers - 7 3/4" Size of choke 1/2"
 Pretlow 10 min 121.30 min V.O @ 7 3/4" for 120 min FSI @
 9 3/4" for 120 min

Weak initial puff weak air blow to very faint in 25 minutes
 dying after 110 minutes

Recovered 353' of drilling mud
 423' of fresh water slightly gassed

Mud wt before test 10.3

Mud wt recovered on test 9.5

Cl content mud before test 340 ppm

Cl content mud recovered on test 250 ppm

Cl content water recovered on test 250 ppm

IHP 804 FHP 804 ISIP 550 in 30 min IFP 288 FFP 407

ISIP 550 psi in 180 min - complete Test Interval Temp 90°F

Set Tool 3 times before obtaining a packer seat lost
 approximately 50 feet of fluid in annulus while setting packer
 Charts O.K. Test satisfactory

Ran cement plug #4! 1280-1150-125 set - 3% CaCl₂ - displaced
 with 16 bbl drilling mud. C.I.P. 6 45/100

Signature
 SIGNATURE COMPANY

TOUR REPORT

CONTRACTOR *Nabors* WELL NO. *1*

FIELD *Kagle Plains* WELL NAME *VT 12-61* *N66° SEC 20' TWP 13" N W133° S 13"*

DRILLING DEEPENING COMPLETING
 REDRILLING ABANDONING REWORKING FOR HOURS ENDING AT *May 4* 1972

Cher

DRILLING ASSEMBLY		END OF MORNING TOUR				END OF DAYLIGHT TOUR				END OF AFTERNOON TOUR			
STANDS	D.P.	NO	82	FT	NO		FT	NO		FT	NO	1219	16
SINGLE	D.P.	NO		FT	NO		FT	NO		FT	NO		
X OVER SUB	O.D.			FT			FT			FT		395	
OTHER	O.D.			FT			FT			FT			
DRILL COLLARS	O.D.			FT			FT			FT		333	215
DRILL COLLARS	O.D.	NO		FT	NO		FT	NO		FT	NO		
REAMER	O.D.	KIND		FT	KIND		FT	KIND		FT	KIND		
STABILIZER	O.D.	KIND		FT	KIND		FT	KIND		FT	KIND		
JARS		KIND		FT	KIND		FT	KIND		FT	KIND		
BUMPER SUB		KIND		FT	KIND		FT	KIND		FT	KIND		
BIT OR CORE BARREL				FT			FT			FT			
TOTAL D.P. & TOOLS				FT			FT			FT			
KELLY DOWN (BELOW R.B.)				FT			FT			FT			
DEPTH OF TOOLS				FT			FT			FT		1555	32

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

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

NO.	SIZE	SERIAL	BIT KIND AND TYPE	PIECES	USED	REMARKS

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	<i>B. Riddle</i>	<i>R. Kiaz</i>	<i>G. Lloyd</i>
DERRICKMAN	<i>D. Barsness</i>	<i>R. Paul</i>	<i>J. Gandy</i>
HELPER	<i>R. Greening</i>	<i>B. Boyd</i>	<i>R. Clements</i>
HELPER	<i>D. Douglas</i>	<i>J. Karp</i>	<i>H. Terry</i>
HELPER	<i>B. Bell</i>	<i>B. Rice</i>	<i>M. Gandy</i>
FIREMAN		<i>G. Ross</i>	
TOTAL PUSHED	<i>[Signature]</i>		

TOUR 2
 5000' B.L.A.R.

TOUR 3
 3000' B.L.A.R.

Plug #2
 Ran Plug
 7673

plug with
 105 bbl dr
 Plug #3
 4380

plug with
 55 bbl dr
 C.I.P. 8
 Plug #1

Chevron SUBC W/M N Parkin 47 D-61

MUD OR CHEMICALS ADDED		From	To	OTHER HOURLY OPERATING DETAIL WORK DONE
Kind	Amount			
TOUR 1		8:00		TRIP IN 23 STANDS OF PIPE, LAY DOWN PIPE
		3:00	4:00	TRIP IN 2 FEET FOR PLUG # 2
		4:00	5:00	RUN PLUG # 2 A
		5:00	6:00	TRIP OUT 5 STANDS & CIRC
		6:00	7:30	TRIP OUT 28 STANDS FOR PLUG # 3
		7:30	8:00	CIRC PRIOR TO PLUG # 3
TOUR 2		8:00	9:00	RUN PLUG # 3 47 STDS
Sodium Bicarb	3 45x	9:00	11:15	PULL OUT OF PLUG CIRC
		11:15	11:30	BILL SER. 1 MINUTE
		11:30	4:00	WDS. LAY DOWN PIPE
TOUR 3		4:00	5:15	RUN IN TO FEEL PLUG # 3.
Sodium Bicarb	2 SA.	5:15	6:15	FEEL PLUG # 3
		6:15	7:00	LAY DOWN PIPE - 25 STANDS.
		9:00	10:30	MEASURE & PICK UP 11 DGS.
		10:30	11:00	Bill in Drill Log To 550.
		11:00	12:00	CIRC & CONDITION MUD

CEMENTING TESTING FISHING DETAIL OF DETAILS INCLUDING ENGINEERING SUMMARIES

Plug # 2 felt @ 7675 @ 4:00 AM

Run Plug # 2 A

7675 - 7558 - 80 sac construction cement. Proceed

plug with 10 bbls water - displaced with 3 bbls water and 105 bbls drilling mud. C.I.P. 5:45 AM.

Plug # 3

4380 - 4280 - 75 sac neat construction cement. Proceed

plug with 10 bbls water - displaced with 3 bbls water and 55 bbl drilling mud

C.I.P. 8:42 AM

Plug # 3 felt @ 4260 @ 5:45 PM.

[Signature]
SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR *NABORS Drilling*

FIELD *EAGLE PLAIN* WELL NAME *N. PARKIN*

LOC. *N 46° SEC 20 T12" W 137' W 13'*

CHEVALLER
MOD. & CHEMICALS

DRILLING TIE-OPENING COMPLETING

REDRILLING ABANDONING REWORKING FOR *1000'S (NABORS) 12 M. IN. AT* *May 3*

19 *78*

DRILLING ASSEMBLY	END OF MORNING TOUR		END OF DAYLIGHT TOUR		END OF AFTERNOON TOUR	
STANDS <i>11</i>	D.P.	NO	<i>1048690</i> FT	NO <i>112</i>	NO <i>85</i>	
SINGLE <i>16</i>	D.P.	NO	<i>50064</i> FT	NO <i>1</i>	NO <i>4</i>	
X OVER SUB	O.D.		FT			
OTHER	O.D.		FT			
DRILL COLLARS	O.D.		FT			
DRILL COLLARS	O.D.	NO	FT	NO	NO	
REAMER	O.D.	KIND	FT	KIND	KIND	
STABILIZER	O.D.	KIND	FT	KIND	KIND	
JARS		KIND	FT	KIND	KIND	
BUMPER SUB		KIND	FT	KIND	KIND	
BIT OR CORE BARREL			FT			
TOTAL D.P. & TOOLS			FT			
KELLY DOWN (BELOW R.B.)			<i>1246</i> FT			
DEPTH OF TOOLS			<i>1100000</i> FT			
TOUR	MORNING TOUR		DAYLIGHT TOUR		AFTERNOON TOUR	
DEPTH END OF TOUR	<i>11000</i>	FEET		FEET		FEET
DEPTH START OF TOUR		FEET		FEET		FEET
FOOTAGE DRILLED	<i>W 12</i>	FEET		FEET		FEET

TOUR 1
Bit

TOUR 2
Spurline

TOUR 3
BICARB SPERSENE

DAY WORK	HOURS				HOURS			
	2:00 AM	4:00 AM	6:00 AM	8:00 AM	12:00 AM	2:00 PM	4:00 PM	6:00 PM
PUMP								
ROTARY SPEED								
WEIGHT ON BIT								
MUD WEIGHT		<i>11.1</i>						
VISCOSITY		<i>246</i>						
W.L.F.C.		<i>62.2/A</i>						
D.P.		<i>10.0</i>						
MUD LEVEL IN TANKS								

Ran in
16 singles
- discovered
being air
Pulled 8
Pulled 10
continued
Play #1
plus 1%
C.I.P. 2
Play #2
Puddled
water and
C.I.P. 7

NO.	SIZE	SERIAL	BIT KIND AND TYPE	REMARKS

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	<i>B. Riddle</i>	<i>R. Knapp</i>	<i>G. Lloyd</i>
DERRICKMAN	<i>G. BARNES</i>	<i>G. Rode</i>	<i>A. Yancy</i>
HELPER	<i>R. GREENING</i>	<i>B. Bealing</i>	<i>F. Clementz</i>
HELPER	<i>G. Boyd</i>	<i>J. Knapp</i>	<i>K. Terry</i>
HELPER	<i>D. Douglas</i>	<i>Bill Ried</i>	<i>M. Grett</i>
FIREMAN			
TOOL PUSHER	<i>D. W. ...</i>		

CHEVRON SUBC, W.M., N. PARKIN 9 T D-61

OTHER HOURLY OPERATING DETAIL WORK DONE

MUD and CHEMICALS ADDED		Fr m	To	
19	Kid	Amount	12 ⁰⁰	1 ⁰⁰
TUR	TOUR 1		1 ⁰⁵	2 ⁰⁰
	Cel	6 sks	2 ⁰⁰	4 ⁰⁰
			4 ⁰⁰	7 ⁰⁰
			7 ⁰⁰	8 ⁰⁰
	TOUR 2		8 ⁰⁰	8 ³⁰
	Spersene	2 sks	8 ³⁰	11 ⁰⁰
			11 ⁰⁰	1 ³⁰
			1 ³⁰	2 ³⁰
			2 ³⁰	3 ³⁰
			3 ³⁰	4 ⁰⁰
	TOUR 3		4 ⁰⁰	5 ⁰⁰
	BICARB	4 SKS	5 ⁰⁰	6 ⁰⁰
	SPERSENE	3	6 ⁰⁰	7 ³⁰
			7 ³⁰	8 ⁰⁰
			8 ⁰⁰	10 ⁰⁰
			10 ⁰⁰	12 ⁰⁰

Trick in Open End
 Run Up 16 Singles - Circs to Bottom
 Circ + Condition Mud through Kill Line
 Try to Break circ Pull 18 Stands
 Break circ and condition Mud.

Cond¹ mud
 Trip in, break circ @ 9900, run
 11000
 Cond² Mud
 Run Cement Plug #1
 Pull out at plug 2 break circ
 Trip out to run plug #2

Trip out to run plug #2
 Circ + cond² hole
 Mix & displace plug #2 - 95000
 Pull 5 stcs
 Circulate
 Lay down Drill pipe

CEMENTING TESTING TAPPING SPECIAL JOB DETAILS INCLUDING ENGINEERING SUMMARIES

Ran in open end. Broke circulation and pulled up
 16 singles and ran to bottom. Circulated for 2 hours
 - discovered Kill Line valves open and hole was not
 being circulated. Closed valves hole would not circulate
 Pulled 8 stands - could not break circulation
 Pulled 10 stands - broke circulation - ran back to bottom
 conditioned hole & mud.

Plug #1: 11000 - 10750 - 250' - 135 sac construction cement
 plus 1% Retarder. Displaced plug with 152 bbls drilling mud.
 C.I.P. 2⁵⁰ pm

Plug #2: 7922 - 7700 - 222' - 130 sac construction cement
 Preceded plug with 20 bbls water - displaced with 5 bbls
 water and 104 bbls drilling mud
 C.I.P. 7²⁵ pm

L. S. Gumbly
 SIGNATURE COMPANY ENGINEER

TOUR REPORT

FIELD **EAGLE PLAINS** WELL NAME **N. PARKIN**

CONTRACTOR **NADORS P&W** NO. **1**
 USE **N66°** SET **20'** TWP **12"** W **133°** W **13'**

CHEVRON SO₂
 M.D. 10/10/1972

DRILLING DEEPENING COMPLETING
 REDRILLING ABANDONING REWORKING

DATE **MAY 2** 19**72**

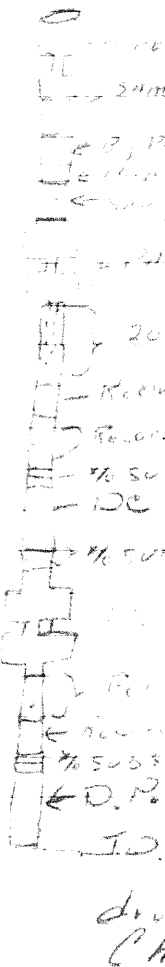
DRILLING ASSEMBLY	END OF MORNING TOUR		END OF DAYLIGHT TOUR		END OF AFTERNOON TOUR	
STANDS	D.P.	NO. 1042435 FT.	NO. 1012435 FT.			
SINGLE	D.P.	NO.	NO.			
X-OVER SUB	O.D.	802 FT.	902 FT.			
OTHER	O.D.					
DRILL COLLARS	O.D.	39748 FT.	39748 FT.			
DRILL COLLARS	O.D.	6295 FT.	6295 FT.			
REAMER	O.D.					
STABILIZER	O.D.					
JARS		11185 FT.	11185 FT.			
BUMPER SUB						
BIT OR CORE BARREL						
TOTAL D.P. & TOOLS						
KELLY DOWN BELOW R.B.						
DEPTH OF TOOLS		1100000 FT.	1100000 FT.			

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	110000 FEET		
DEPTH START OF TOUR			
FOOTAGE DRILLED	NIL FEET		

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

NO.	SIZE	SERIAL	BIT KIND AND TYPE	FEET PER HOUR	TOUR	START TIME	STOP TIME	REMARKS

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	D. RIDGLE	R. KERR	S. COLLEY
DERRICKMAN	C. DARNNESS	G. ROSS	A. JONES
HELPER	R. GREENING	R. BERNHARDT	K. CLEMENTS
HELPER	B. BOW	J. KERR	K. TERRY
HELPER	D. DOUGLAS	B. REID	M. GRIFFIN
FIREMAN			
TOOL PUSHER			

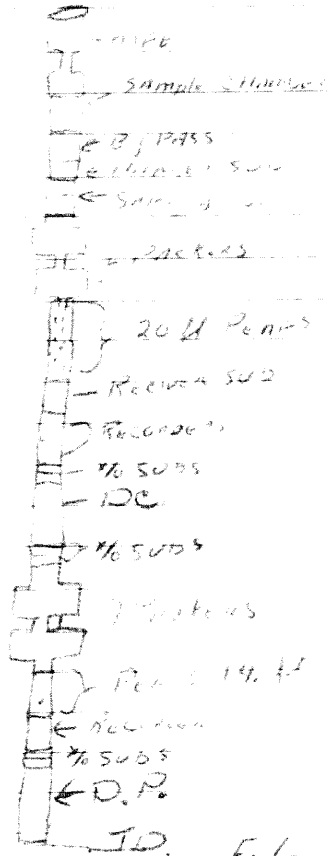


CHEVRON SOBC, Wm N. PARKIN T.T. D-61

OTHER HOURLY OPERATING DETAIL WORK DONE

1972	MUD & CHEMICALS ADDED	From	To	OTHER HOURLY OPERATING DETAIL WORK DONE
OUR	Kind	Am't		
	TOUR 1	12:00	4:30	FINISH MAKING UP TOOL PICK UP 2 5" 490 ELEM. CONTAINERS TRIPLE HIRE SIGN at PARKER.
		11:30	8:00	TESTING TEST #1
	TOUR 2	8:00	10:30	TESTING TEST #1
		10:30	4:00	TRIP PACKERHOUSE + HOIST
	TOUR 3	4:00	7:00	BREAK DOWN TEST TOOL + READ CHARTS.
IR		2:00	7:45	TRIP OUT TEST TOOL.
FEET		7:45	8:15	LAY DOWN TOOL 7 DIS.
FEET		8:15	10:00	BREAK DOWN BOTTOM PACKER. AT HAND OUT SAME.
FEET		10:00	12:00	GET IN W/ 8 DIS. LAY DOWN SAME.
				RUN IN OPISH END.

CEMENTING TESTS (SEE) SPECIAL FOR DETAIL INCLUDING ENGINEERING CHARTS



DETAILED OPERATING DETAIL
 Johnson Testers dual straddle by pass
 with safety joint, surf lift gears, mife chamber
 Operator Jim Humes.
 Pump out sub 60' above tool.
 20' at perforation.
 Size of rubbers - 7 3/4" size of choke 1/2"
 Pre flow 6 min 151 30 min V.O @ 6:30 AM
 For 90 min PSI @ 8 AM For 150 min.
 Fair water pull - poor air blow down
 in 25 min.
 Recovered 330' of drilling mud.
 CI content mud before test 350 ppm
 CI content mud recovered on test 350 ppm
 Mud wt before test 11.0
 Mud wt recovered on test 9.7
 IHP 4440 FHP 4440 151P 370 - 30 min
 LFP 74, FFP 92. FSP 2672 in 156 min. complete
 Test interval Temp 179°F.

Fifteen minutes before valve closed, started rising and
 dropped 10' in annulus before tool shut in
 Charts O.K. Test satisfactory

L. G. Ormally
 SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR *NARORS Dole* NO. *1*

CHEVRON SO
MUD CHEMIC

FIELD *EAGLE PAINS* WELL NAME *N PAIN*

DATE *May 1* 1977

DRILLING ASSEMBLY	END OF MORNING TOUR	END OF DAYLIGHT TOUR	END OF AFTERNOON TOUR
STANDS	NO 10 486 910 FT		NO 10 486 910 FT
SINGLE	NO		NO
X OVER SUB	902 FT		802 FT
OTHER			
DRILL COLLARS	486 64 FT		486 64 FT
DRILL COLLARS	NO KIND		NO KIND
REAMER	KIND		KIND
STABILIZER	KIND		KIND
JARS	KIND		KIND
BUMPER SUB			
BIT OR CORE BARREL			
TOTAL D.P. & TOOLS			
KELLY DOWN (BELOW R.R.)	1844 FT		1844 FT
DEPTH OF TOOLS	1100000 FT		1100000 FT

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	1600 FEET		
DEPTH START OF TOUR			
FOOTAGE DRILLED	W/L		

DAY WORK	HOURS
PUMP	2:00 AM - 3:00 AM
ROTARY SPEED	1650 RPM
WEIGHT ON BIT	11,000 lbs
MUD WEIGHT	11.1 lb/gal
VISCOSITY	600 sec/ct
W.L.F.C.	2.3 cc/32nd
pH	9.5

NO.	SIZE	SERIAL	BIT KIND AND TYPE	REWORKS	REWORKS	REWORKS
50	4 1/2"	724679	SEC. SHU 3.77			

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	<i>B KIDDLE</i>	<i>RANDY HARRIS</i>	<i>G W HLOYD</i>
DERRICKMAN	<i>G BARNES</i>	<i>GARY HARRIS</i>	<i>A Young</i>
HELPER	<i>R GREENING</i>	<i>R GREENING</i>	<i>L CLEMENTS</i>
HELPER	<i>B BOYD</i>	<i>J HARRIS</i>	<i>K TIERRY</i>
HELPER	<i>D DOUGLAS</i>	<i>GARY HARRIS</i>	<i>M GREEFF</i>
FIREMAN			
TOOL PUSHER	<i>D W...</i>		

TOUR 1
*Eagle Soil
Downside B*

TOUR 2

TOUR 3

Pressure
1500 psi

CHEVRON SOBC, W.M. N. PARKIN Y.T. D-61

OTHER HOURLY OPERATING DETAIL
WORK DONE

1972	MUD	CHEMICALS ADDED	From	To
04			12:00	12:15
04	TOUR 1		12:15	1:00
04	Caustic Soda	250#	1:00	2:15
04	Dioxide Br	30#	2:15	3:00
04			3:00	3:15
04			3:15	4:15
04			4:15	4:30
04			4:30	8:00
04	TOUR 2		8:00	9:00
04			9:00	9:15
04			9:15	2:00
04			2:00	4:00
04	TOUR 3		4:00	4:15
04			4:15	5:00
04			5:00	6:30
04			6:30	12:00

Rig Service Valve Check
 12:15, Hops Turn 360, 3992 & 41200
 Pick Up Heavy Barred Core 5000'
 Trip In
 Pick Up Heavy Barred Core
 Trip In
 Barred Core & Clean To Bottom
 Core & Core Bit on Mud.
 Circ. Cond. Mud to DST #1
 Rig Seal & Hydril
 Trip Out
~~2:00~~ ~~4:00~~
 Pull WARE RING OUT OF CASING BLOW
 AND Rig up to PRESSURE TEST BOP.
 Rig Serv. v Blind Rams.
 PRESSURE TEST BOPS & MANIFOLD
 & L MANIFOLD w/ DIESEL
 W/ DOWN 3. DC.
 Pull in of TANK JOLIE & MAKE W/2
 TEST TOOL.

CEMENTING, TESTING, FINISHING, DETAIL LOG DETAILS, INCLUDING ENGINEERING SUMMARIES

TOUR #1 Never When On Equipment Check before - FIRST SHUTTING OFF POWER

Pressure Test BOP Stack, Hydril and Manifold valves to 1500 psi for 10 min. O.K.

W. M. N. Parkin
 SIGNATURE COMPANY ENGINEER

DRAWING ASSEMBLY		END OF MORNING TOUR			END OF DAYLIGHT TOUR			END OF AFTERNOON TOUR			
STANDS	D.P.	NO.	FT.	NO.	FT.	NO.	FT.	NO.	FT.		
SINGLE	D.P.	NO.	FT.	NO.	FT.	NO.	FT.	NO.	FT.		
X-OVER SUB	O.D.		FT.		FT.		FT.		FT.		
OTHER	O.D.		FT.		FT.		FT.		FT.		
DRILL COLLARS	O.D.		FT.		FT.		FT.		FT.		
DRILL COLLARS	O.D.		FT.		FT.		FT.		FT.		
REAMER	O.D.	KIND	FT.	KIND	FT.	KIND	FT.	KIND	FT.		
STABILIZER	O.D.	KIND	FT.	KIND	FT.	KIND	FT.	KIND	FT.		
JARS		KIND	FT.	KIND	FT.	KIND	FT.	KIND	FT.		
BUMPERS SUB		KIND	FT.	KIND	FT.	KIND	FT.	KIND	FT.		
BIT OR CORE BARREL			FT.		FT.		FT.		FT.		
TOTAL D.P. & TOOLS			FT.		FT.		FT.		FT.		
KELLY DOWN (BELOW H.B.)			FT.		FT.		FT.		FT.		
DEPTH OF TOOLS			FT.		FT.		FT.		FT.		
TOUR			MORNING TOUR			DAYLIGHT TOUR			AFTERNOON TOUR		
DEPTH END OF TOUR			11000			11000			11000		
DEPTH START OF TOUR											
FOOTAGE DRILLED											
DAY WORK			HOURS			HOURS			HOURS		
PUMP	S.P.M. F.S.I.										
ROTARY SPEED	R.P.M.										
WEIGHT ON BIT	M.lbs.										
MUD WEIGHT	lb/gal										
VISCOSITY	sp. gr.										
W.L.F.C.	cc/32nd										
MUD LEVEL IN TANKS			FT. INS.			FT. INS.			FT. INS.		
NO.	SIZE	SERIAL	BIT KIND AND TYPE	JET SIZES IN 1/32	TOTAL HOURS	FROM	TO	FT. INS.	FT. INS.	GR. CONDITION	
50	8 7/8	24463	See SIV	3-22	To clean out for test						

TOUR 1
 TOUR 2
 TOUR 3

920
 945
 1000
 104

Cementing Test
 Fan Schlumber
 SIV P
 FDC
 Core Ge
 Intervals shot & re
 7969, 5089, 5083, /
 1240, 1224.

CHEVRON SABC W.M. N. PARMIN 4T D61

OTHER HOURLY OPERATING DETAIL WORK DONE

ML and CHEMICALS ADDED		From	To	WORK DONE
Kind	Amount			
9 72		12 00	12 15	V HYDRA 1 RIG SERV
JR	TOUR 1	12 15	1 00	PICK UP KELLY & WORK OFF LEAD @ 354?
2 FT		1 00	1 30	TRIP TO 5488
FT		1 30	2 15	PICK UP KELLY & CIRC OUT FINE
4 FT		2 15	4 00	TRIP IN
FT		4 00	4 30	BREAK CIRC & STAND OFF BOTTOM
1 FT		4 30	4 45	TRIP IN
FT		4 45	5 00	CLEAN TO BOTTOM, 10" FINE
FT		5 00	4 45	CIRC'S CONDITION MOVE TO LOG
FT	TOUR 2	8 00	9 15	CIRC'S CONDITION HOLE TO LOG
FT		9 15	10 45	TRIP OUT TO LOG
FT		10 45	11 00	RIG SERV. + BLOW KELLY
FT		11 00	2 30	TRIP OUT TO LOG
FT		2 30	3 00	RIG UP SCHLUMBERGER
FT		3 00	4 00	LOGGING W/ SCHLUMBERGER
4 FT				discussed keeping stairways clean and in good condition
0 FT	TOUR 3	1 00	12 00	Logging w/ Schlumberger.
FEET				
FEET				
FEET				
HOURS				
TO P.M.				discussed snipping 2.1 etc. total working 24 June 25.

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

TOUR 1 DISCUSSED PALMER WAY TO STAB PIPE

T.D. Schlumberger 11401

Ron Schlumberger logs:

D.L.H. : Interval 1200 - 1100 2" x 5" sec 142
BHC

Cooling Unit: 9:00
Ambient Temp +18°F Returns +28°F

T. D. Schlumberger
SIGNATURE COMPANY ENGINEER

STANDS	D.P.	NO.	FT.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	
SINGLE	D.P.	NO.	FT.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	
X-OVER SUB	O.D.	NO.	FT.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	
OTHER	O.D.	NO.	FT.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	
DRILL COLLARS	O.D.	NO.	FT.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	
REAMER	O.D.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	
STABILIZER	O.D.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	
JARS	O.D.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	
BUMPER SUB	O.D.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	
BIT OR CORE BARREL	O.D.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	
TOTAL D.P. & TOOLS	O.D.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	
KELLY DOWN (BELOW R.B.)	O.D.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	
DEPTH OF TOOLS	O.D.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	
TOUR	O.D.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	
DEPTH END OF TOUR	O.D.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	
DEPTH START OF TOUR	O.D.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	
FOOTAGE DRILLED	O.D.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	
DAY WORK	O.D.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	
PUMP	O.D.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	
ROTARY SPEED	O.D.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	
WEIGHT ON BIT	O.D.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	
MUD WEIGHT	O.D.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	
VISCOSITY	O.D.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	
W.L.F.C.	O.D.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	
P.H.	O.D.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	
MUD LEVEL IN TANKS	O.D.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	
NO.	SIZE	SERIAL	BIT KIND AND TYPE	ET-SIZES IN 1/2	TOTAL HOURS	FROM	TO	FROM	TO	FROM	TO	FROM	TO	FROM	TO	FROM	TO	FROM	TO	FROM	TO
49	8 1/2	19418	H.W.	XV	3-20	39	ROOM.														
50	8 1/2	24467	S.W.		0-22																

STANDS	D.P.	NO.	FT.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	
SINGLE	D.P.	NO.	FT.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	
X-OVER SUB	O.D.	NO.	FT.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	
OTHER	O.D.	NO.	FT.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	
DRILL COLLARS	O.D.	NO.	FT.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	
REAMER	O.D.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	
STABILIZER	O.D.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	
JARS	O.D.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	
BUMPER SUB	O.D.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	
BIT OR CORE BARREL	O.D.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	
TOTAL D.P. & TOOLS	O.D.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	
KELLY DOWN (BELOW R.B.)	O.D.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	
DEPTH OF TOOLS	O.D.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	
TOUR	O.D.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	
DEPTH END OF TOUR	O.D.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	
DEPTH START OF TOUR	O.D.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	
FOOTAGE DRILLED	O.D.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	
DAY WORK	O.D.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	
PUMP	O.D.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	
ROTARY SPEED	O.D.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	
WEIGHT ON BIT	O.D.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	
MUD WEIGHT	O.D.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	
VISCOSITY	O.D.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	
W.L.F.C.	O.D.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	
P.H.	O.D.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	
MUD LEVEL IN TANKS	O.D.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	NO.	KIND	FT.	KIND	
NO.	SIZE	SERIAL	BIT KIND AND TYPE	ET-SIZES IN 1/2	TOTAL HOURS	FROM	TO	FROM	TO	FROM	TO	FROM	TO	FROM	TO	FROM	TO	FROM	TO	FROM	TO
1	8 1/2																				
2	8 1/2																				
3	8 1/2																				

String Tank
Barrel Tall

Volume B
5000 B

TOUR 2
Cement 2000
Spuds 1000

TOUR 3

CEMENTING TESTING

DRILLER

B. R. ROBE

Randy Knapp

Good Hope

DRILLER RECORD

DRILLER

TOUR REPORT

CONTRACTOR **NABORS DALS** RES NO. 1

FIELD **EAGLE PLAINS** WELL NAME

USD SEC TWP Rpt W

DRILLING DEEPENING COMPLETING

APRIL 27 1972

REDRILLING ABANDONING REWORKING FOR 24 HOURS ENDING 12 MIDNIGHT

CHEVRON So
MILLER CHEMICAL
Kind

DRILLING ASSEMBLY		END OF MORNING TOUR			END OF DAYLIGHT TOUR			END OF AFTERNOON TOUR		
STANDS	D.P. NO	10	48	690	10	48	690	10	48	690
SINGLE	D.P. NO									
X OVER SUB	O.D.		802			802			802	
OTHER	O.D.									
DRILL COLLARS	O.D.		48664			48664			48664	
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 R.B.)			1844			1844			1844	
DEPTH OF TOOLS			11000000			11000000			11000000	

TOUR 1
TOUR 2
JTMet
EME
Dowicide B.
GBL

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	11000 FEET	11000 FEET	11000 FEET
DEPTH START OF TOUR		11000 FEET	11000 FEET
FOOTAGE DRILLED		NIH	00000 FEET

TOUR 3
Gel
wt mat
Dowicide B

DAY WORK	HOURS											
	2:00 AM	4:00 AM	6:00 AM	8:00 AM	10:00 AM	12:00 AM	2:00 PM	4:00 PM	6:00 PM	8:00 PM	10:00 PM	12:00 AM
PUMP	60	60	60	60	60	60	60	60	60	60	60	60
ROTARY SPEED	45	45	45	45	45	45	45	45	45	45	45	45
WEIGHT ON BIT	0-10m											
MUD WEIGHT		11.1	10.5	11.1	11.2	11.2	10.9	10.6	10.9	11.0	11.1	11.1
VISCOSITY		245	250	250	245	240	300	290	270	260	260	260
WL F C		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
pH		9.5	9.5	9.5	9.5	9.5	9.0	9.0	9.0	9.0	9.0	9.0

Ream
Bridges
No B. 11

NO.	SIZE	SERIAL	BIT KIND	AREA TYPE	JET NO.	TOTAL	FROM	TO	REMARKS
49	8 3/4	19418	XV		3-20	39			REAMING

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

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	F. REICHERT	B. ROONIE	B. HARRIS
DERRICKMAN	G. OSMAJENKO	G. BARNES	G. RODE
HELPER	A. KAUS	C. COLLINS	B. BELLEVILLE
HELPER	R. GREENING	W. TILLYSHAN	J. HARRIS
HELPER	D. DOUGLASS	R. GREENING	B. RICE
FIREMAN			
TOOL PUMPER			

Cooling to
Ambient
Returns

CHEVRON SOBIC W/ N PARKIN 472-61

OTHER HOURLY OPERATING DETAIL
WORK DONE

MUD and CHEMICALS ADDED		From	To
Kind	Amount		
972		12:00	12:15
0 FT	TOUR 1	12:15	1:30
1 FT	WT Mat	1:30	3:45
2 FT	WT Mat	3:45	4:00
3 FT			
4 FT			
5 FT			
6 FT	TOUR 2	4:00	4:00
7 FT	WT Mat	8:00	9:00
8 FT	CME	9:00	11:15
9 FT	Dowicide B.	11:15	1:00
10 FT	WT Mat	1:00	2:30
11 FT		2:30	3:00
12 FT		3:00	4:00
13 FT			
14 FT			
15 FT	TOUR 3		
16 FT	Gel	4:00	5:00
17 FT	WT Mat	5:00	6:30
18 FT	Dowicide B.	6:30	7:00
19 FT		7:00	8:30
20 FT		8:30	12:00
21 FT			
22 FT			
23 FT			
24 FT			
25 FT			
26 FT			
27 FT			
28 FT			
29 FT			
30 FT			
31 FT			
32 FT			
33 FT			
34 FT			
35 FT			
36 FT			
37 FT			
38 FT			
39 FT			
40 FT			
41 FT			
42 FT			
43 FT			
44 FT			
45 FT			
46 FT			
47 FT			
48 FT			
49 FT			
50 FT			
51 FT			
52 FT			
53 FT			
54 FT			
55 FT			
56 FT			
57 FT			
58 FT			
59 FT			
60 FT			
61 FT			
62 FT			
63 FT			
64 FT			
65 FT			
66 FT			
67 FT			
68 FT			
69 FT			
70 FT			
71 FT			
72 FT			
73 FT			
74 FT			
75 FT			
76 FT			
77 FT			
78 FT			
79 FT			
80 FT			
81 FT			
82 FT			
83 FT			
84 FT			
85 FT			
86 FT			
87 FT			
88 FT			
89 FT			
90 FT			
91 FT			
92 FT			
93 FT			
94 FT			
95 FT			
96 FT			
97 FT			
98 FT			
99 FT			
100 FT			

CLEAN BRIDGE @ 6000'
TRIP IN TO 7000' CLEAN BRIDGE @ 6450.
CIRCULATE & CONDITION MUD @ 7000'
TRIP IN & CLEAN BRIDGE FROM 7200' TO 7250

CLEAN BRIDGES 7250-7261
18 x 18" S. BRIDGES
PUT MUD IN & CLEAN BRIDGE @ 7400
TRIP IN TO 7666, REAM BRIDGES @ 7666-7698
TRIP IN TO 9423 - Circ. Hole
TRIP IN TO 10,000
Circ Hole & CLEAN OUT BRIDGE 10000-10082
Discovered safety while tripping

CLEAN BRIDGE @ 10170, 10200
Circ Hole
TRIP IN TO 10,825
WASH TO BOT. 175' (NO FILL)
Circ Co. 2. Mud 1134

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

Reamed & cleaned to bottom from 6000 TO 11000 - 10 1/4 hrs.
Bridges @ 6000, 6450, 7200-7261, 7666-7698, 10000-10082-10200
No fill on bottom.

Cooling Unit - 8⁰⁰ am.
Ambient Temp +10°F
Returns +20°F

L. F. [Signature]
SIGNATURE COMPANY [Stamp]

TOUR REPORT

CONTRACTOR *NABORS DALLAS* REG. NO. *1*

FIELD *EAGLE PLAINS* WELL NAME *N 66° 20' 12" E S 10 W 137° SEC 13' TWP* DATE *APRIL 26* 1972

CHURCH SOB
MUD & CHEMICALS
Kind

DRILLING ASSEMBLY		END OF MORNING TOUR			END OF DAYLIGHT TOUR			END OF AFTERNOON TOUR			
STANDS	D.P.	NO	1043690 FT		NO	1048690 FT		NO	1043690 FT		
SINGLE	D.P.	NO			NO			NO			
X OVER SUB	O.D.		802 FT			802 FT			802 FT		
OTHER	O.D.										
DRILL COLLARS	O.D.										
DRILL COLLARS	<i>6 1/2</i> O.D.	NO	48664 FT		NO <i>16</i>	48664 FT		NO <i>16</i>	48664 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.)			1844 FT			1844 FT					
DEPTH OF TOOLS			1100000 FT			1100000 FT			1100000 FT		
TOUR			MORNING TOUR			DAYLIGHT TOUR			AFTERNOON TOUR		
DEPTH END OF TOUR			11000 FEET			11000 FEET			11000 FEET		
DEPTH START OF TOUR						11000 FEET					
FOOTAGE DRILLED						NIL					

TOUR 1
1st
Caustic

TOUR 2
Wt. Mat.

TOUR 3
Gel
Wt. Mat
discussed
Methods of
Chemical

DAY WORK	HOURS											
	2:00 AM	4:00 AM	6:00 AM	8:00 AM	10:00 AM	12:00 AM	2:00 PM	4:00 PM	6:00 PM	8:00 PM	10:00 PM	12:00 AM
PUMP	<i>600</i> <i>700</i>			<i>60</i> <i>700</i>	<i>✓</i>	<i>60</i> <i>700</i>	<i>✓</i>					
ROTARY SPEED	<i>45</i>			<i>45</i>	<i>✓</i>	<i>45</i>	<i>✓</i>					
WEIGHT ON BIT												
MUD WEIGHT	<i>11.1</i>		<i>T R I P</i>	<i>10.5</i>	<i>10.6</i>	<i>10.8</i>	<i>11.2</i>	<i>11.5</i>	<i>11.1</i>	<i>11.2</i>	<i>11.2</i>	<i>11.2</i>
VISCOSITY	<i>265</i>			<i>245</i>	<i>210</i>	<i>200</i>	<i>185</i>	<i>205</i>	<i>210</i>	<i>210</i>	<i>210</i>	<i>210</i>
W.L. F.C.	<i>3.8</i> <i>4.32</i>			<i>6.2</i> <i>6.2</i>	<i>6.2</i>	<i>6.2</i>	<i>6.2</i>	<i>6.2</i>	<i>6.2</i>	<i>6.2</i>	<i>6.2</i>	<i>6.2</i>
p.H.	<i>10.0</i>			<i>9.5</i>	<i>9.5</i>	<i>9.5</i>	<i>9.5</i>	<i>9.5</i>	<i>9.5</i>	<i>10.0</i>	<i>10.0</i>	<i>10.0</i>
MUD LEVEL IN TANKS												

Dummy
for 1 hr
@ 3440
5050.
Dummy
samples to
Ran on d
in hit b
for one
hangs up
bridge -

NO.	SIZE	SERIAL	BIT KIND AND TYPE	BIT SIZE (IN)	FROM	TO
<i>49</i>	<i>8 3/4</i>	<i>19418</i>	<i>XV</i>	<i>3-20</i>		

CORE	No.	No.	DST No.	FROM	TO	REMARKS
TYPE			PREFLOW	9:30		<i>5</i>
FROM			F.S.T.	11:2		<i>11/25</i>
TO			V.O.	2:10		<i>62/2</i>
RECOVERY			F.S.T.	1:11		<i>10.0</i>
HOURS			RECOVERY	70		<i>21 1/2</i>

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	<i>F. REICHERT</i>	<i>Brian Riddle</i>	<i>Randy Knapp</i>
DERRICKMAN	<i>G. OSMACHENKO</i>	<i>GERRY BARNES</i>	<i>Gary Rode</i>
HELPER	<i>A. KAUS</i>	<i>CARL COLLINS</i>	<i>Kay Berlinguette</i>
HELPER	<i>R. GREENING</i>	<i>WALTER TACTSWYN</i>	<i>Jim Knapp</i>
HELPER		<i>ROONEY GREENING</i>	<i>Bill Reid</i>
FIREMAN			
TOOL PUSHER	<i>[Signature]</i>		

Cooling &
Ambient
Returns

CHEVRON SOBIC W/ N. PARKIN VTD-61

MUD and CHEMICALS ADDED			From		To		OTHER HOURLY OPERATING DETAIL
1972	Kind	Amount	12 ⁰⁰	12 ¹⁵			WORK DONE
UR	TOUR 1		12 ¹⁵	2 ¹⁵			Rig SERV. HYDRAUL OK CIRCULATE @ 5050
0 FT	WT. MAT	200#	2 ¹⁵	3 ¹⁵			TRIP OUT TIGHT TO 4500 AND TRY TO BANG CIRC.
FT	Causein	200#	3 ¹⁵	4 ¹⁵			CIRC @ 4500
2 FT			4 ¹⁵	5 ⁰⁰			TRIP OUT TO 2200
FT			5 ⁰⁰	7 ⁰⁰			TRIP IN & CLEAN BRIDGES @ 3440, 3870.
FT			7 ⁰⁰	8 ⁰⁰			CLEAN BRIDGE @ 4330
4 FT							
FT	TOUR 2		4 ⁰⁰	12 ⁰⁰			Change Hole From 4270 - 4394
FT	WT. MAT	129 sks	12 ⁰⁰	1 ⁰⁰			TRIP IN 6 STANDS TO 5047
FT			1 ⁰⁰	2 ³⁰			CIRC & CONDITION MUD & HOLE
FT			2 ³⁰	2 ⁴⁵			DUMMY TRIP OUT TO 3 STANDS
FT			2 ⁴⁵	3 ¹⁵			CIRC
FT			3 ¹⁵	3 ³⁰			TRIP OUT 3 STANDS
FT			3 ³⁰	4 ⁰⁰			CIRC
0 FT	TOUR 3						NEVER HAMMER ON PIPE OR UNIONS / PRESSURE IN THEM
FEET	Gel	4 sks	4 ⁰⁰	4 ¹⁵			Trip Out Tight @ 4460
FEET	WT. MAT	80 sks	4 ¹⁵	5 ⁴⁵			Pump Out 5 singles to 4310
FEET	Discussed Proper		5 ⁴⁵	6 ³⁰			Trip out to 3640
FEET	Methods of Mixing		6 ³⁰	7 ³⁰			Trip In To 5050 - Bridges @ 3860 @ 4402
FEET	Chemicals		7 ³⁰	8 ³⁰			Trip Out To 3860
FEET			8 ³⁰	10 ⁰⁰			Ream Bridge @ 3860
FEET			10 ⁰⁰	12 ⁰⁰			Trip In Bridge @ 6000'

CEMENTING TESTING FISHING SPECIAL JOB DETAILS, INCLUDING ENGINEERING SUMMARIES

Dummy Trip from 5050 to ~~3800~~, Pulled 3 stands - Tight. Circulated for 1 hour then tripped out to 2200. Ran in: hit bridges @ 3440, 3870 and 4330. Cleared out 4394 - then ran into 5050.

Dummy Trip from 5050 to 3800. Tight @ 4460 - pumped out 5 singles to 4310 - pipe free. Ran in hit bridges @ 3860 & 4402. Ran on down to 5050 - tripped out to 3800 - no tight spots. Ran in hit bridge @ 3860 (ledge) - Put on Kelly & worked on ledge for one hour. Could not peel ledge while rotating but hangs up when not rotating. Tripped on in to 6000 - hit bridge - put on Kelly and cleared out.

5
11/25
2/2
0
21/2
300
20

Cooling Unit: 7⁰⁰ AM
Ambient Temp +13°F
Returns +23°F

Le F. J. Murphy
SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR **Nuborn** RES NO **1**

FIELD **Eagle Plains** WELL NAME **N 66° 20' 12" E** LSD **W 137° 0'** SEC **13'** TWP

[] DRILLING [] DEEPENING [] COMPLETING
 [] REDRILLING [] ABANDONING [] REWORKING FOR 24 HOURS ENDING 12 MIDNIGHT **April 25 1972**

DRILLING ASSEMBLY	END OF MORNING TOUR			END OF DAYLIGHT TOUR			END OF AFTERNOON TOUR		
STANDS	DP	NO	1029828 FT	NO	1029828 FT	NO	1048090 FT		
SINGLE	DP	NO	6303 FT	NO	6303 FT	NO			
X OVER SUB	OD		802 FT		802 FT		802 FT		
OTHER	OD								
DRILL COLLARS	OD								
DRILL COLLARS	OD	NO	48664 FT	NO	48664 FT	NO	48664 FT		
REAMER	OD	KIND							
STABILIZER	OD	KIND							
JARS		KIND							
BUMPER SUB		KIND							
BIT OR CORE BARREL									
TOTAL D P & TOOLS									
KELLY DOWN (BELOW R B)			4100 FT	4100 FT		1844 FT			
DEPTH OF TOOLS			1087406 FT	1087406 FT		1100000 FT			
TOUR	MORNING TOUR			DAYLIGHT TOUR			AFTERNOON TOUR		
DEPTH END OF TOUR			11000 FEET	11000 FEET		11000 FEET			
DEPTH START OF TOUR				11000 FEET		11000 FEET			
FOOTAGE DRILLED				NIL					

DAY WORK	HOURS				HOURS				HOURS			
	2:00 AM	4:00 AM	6:00 AM	8:00 AM	10:00 AM	12:00 AM	2:00 PM	4:00 PM	6:00 PM	8:00 PM	10:00 PM	12:00 PM
PUMP	60	60	60	60	60	60	60	60	60	60	60	60
ROTARY SPEED	45	45	45	45	45	45	45	45	45	45	45	45
WEIGHT ON BIT												
MUD WEIGHT	10.9	10.9	10.9	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2
VISCOSITY	190	205	190	160	165	240	230	220				
W.L.F.C	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
pH	9.5	9.5	9.5	9.5	9.5	9.0	9.5	9.5	9.5	10.5		
MUD LEVEL IN TANKS												

NO.	SIZE	SERIAL	BIT KIND AND TYPE	DEPTH (FEET)	LOCAL FEET	FROM	TO	REMARKS
49	8 3/4	19418	XV HW	2-20	30 1/2	3445	4395	750

CORE	No	No	DST No	FROM	TO	REMARKS
TYPE			PREFLOW	6:00		
FROM			15'	10.8		7/30
TO			18.5	62/2		
Recovery			98.5	8.0		
HOURS			55	18 1/2		300 33

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	F. REICHERT	B. RIDDLE	R. KNAPP
DERRICKMAN	G. CEMACHENKO	G. BARNES	G. ROIDE
HELPER	H. KAUS	C. COLLINS	R. BROWN
HELPER	R. GREENBERG	W. T. CASHIN	J. HARRIS
HELPER	N. PERAZ	R. GILBERT	B. RICE
FIREMAN			
TOOL PUSHER			

TOUR 1
 8 1/2
 Caustic
 Gel
 CMC
 wt. 1100

TOUR 2
 Gel
 Caustic
 wt. 1100
 CMC

TOUR 3
 Caustic
 Gel
 CMC
 wt. 1100

Clean
 Tripped &
 cond. T.

Note:

Cooling
 Ambient
 Returns

Chevron SOBC W/M N PARKIN YT D-61

OTHER HOURLY OPERATING DETAIL
WORK DONE

MUD and CHEMICALS ADDED		From	To	OTHER HOURLY OPERATING DETAIL WORK DONE
Kind	Amount			
1972		1200	115	TRIP IN TO 3445 CLEAN HOLE FROM 3445 TO 3800 for Man work over 2 hrs. to unload water tank. SW. DISCUSSED WIRE WICKERS. CLEAN HOLE FROM 2800, LEDGE @ 3863 HIGH SERV. & HYDRIN. CLEAN HOLE TOO 4209 Discussed changes of seal plugs in drill pipe High Serv. 4 1/2 Bars and check Motor shut off. Clean Hole from 4209-4395 Trip in 2 Secs to 4675 Circ. Trip in to 5050 Circ. Burns the hole to success of 5050
DUR	TOUR 1	115	800	
0 FT	Gel	100 #		
FT	WT. MAT.	100 #		
2 FT	CAUSTIC	200 #		
FT	CEMENT	20 #		
4 FT				
FT	TOUR 2	4:00	2:00	
FT	Gel	2:00	2:15	
FT	Caustic	2:15	11:00	
FT	WT. MAT.			
FT	CEMENT			
44 FT				
00 FT	TOUR 3			
FEET	Caustic	4:00	4:15	
FEET	Gel	4:15	10:00	
FEET	CMC	10:00	10:15	
FEET	WT. MAT.	10:15	11:30	
HOURS		11:30	11:45	
12:00 PM		11:45	12:00	

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

Cleaned hole from 3445 - 4395 - 250' in 20 1/2 hours.
 Tripped in to 5050 - no bridges - Circulated and
 conditioned mud.

Note: Ledge @ 3863

7/30
 6.2/2
 8.0
 18 1/2
 300
 39

Cooling water: 7:00 AM
 Ambient: +4°F
 Returns: +16°F

L & L
 SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR *NABORS DALL* WELL NO. *1*

FIELD *EAGLE PLAINS* WELL NAME

USD SEC TWP Rpt W

DRILLING DEEPENING COMPLETING

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

CHEVRON SO
MATERIAL CHEMICAL
Kind

DRILLING ASSEMBLY		END OF MORNING TOUR				END OF DAYLIGHT TOUR				END OF AFTERNOON TOUR			
STANDS	D P	NO	<i>1029828</i> FT			NO	<i>1029828</i> FT			NO	<i>1029828</i> FT		
SINGLE	D P	NO	<i>6303</i> FT			NO	<i>6303</i> FT			NO	<i>6303</i> FT		
X OVER SUB	O D		<i>802</i> FT				<i>802</i> FT						
OTHER	O D												
DRILL COLLARS	O D		<i>12594</i> FT				<i>12594</i> FT						
DRILL COLLARS	O D	NO	<i>48664</i> FT			NO	<i>48664</i> FT			NO	<i>48664</i> 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)			<i>1809</i> FT				<i>1809</i> FT						
DEPTH OF TOOLS			<i>1100000</i> FT				<i>1100000</i> FT						

TOUR 1
TOUR 2
*CAUSTIC
GEL
CMC
W/ MAT*

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	<i>11000</i> FEET	<i>11000</i> FEET	<i>11000</i> FEET
DEPTH START OF TOUR		<i>11000</i> FEET	<i>11000</i> FEET
FOOTAGE DRILLED		<i>NIL</i> FEET	

TOUR 3
Spersene -
*Talked About
Tools For T
Proper J*

	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	<i>60</i>	900	900	<i>60</i>	<i>60</i>	<i>60</i>	<i>60</i>	<i>60</i>	<i>60</i>
ROTARY SPEED									
WEIGHT ON BIT									
MUD WEIGHT	<i>11.1</i>	<i>11.1</i>	<i>10.8</i>	<i>10.8</i>	<i>10.6</i>	<i>10.6</i>	<i>10.8</i>	<i>10.8</i>	<i>TR 1 W</i>
VISCOSITY	<i>17</i>	<i>101</i>	<i>101</i>	<i>178</i>	<i>220</i>	<i>240</i>	<i>250</i>	<i>240</i>	
W L F C	<i>20</i>								
pH	<i>1.5</i>	<i>1.5</i>	<i>8.5</i>		<i>9.5</i>	<i>9.5</i>	<i>9.0</i>		
MUD LEVEL IN TANKS									

*Clean
and h
on Kelly
on Kelly
One jet
Pau*

NO	SIZE	SERIAL	BIT KIND AND TYPE	BIT SIZE IN INCHES	TOTAL FEET DRILLED
<i>414</i>	<i>4 1/2</i>	<i>252075</i>	<i>SEC. S4C1</i>	<i>3 1/2</i>	<i>74 1/2</i>
<i>419</i>	<i>8 1/4</i>	<i>19418</i>	<i>XU</i>	<i>3/20</i>	<i>4301</i>

REAM. 5-2-1

CORE No	No	DST No	FROM	TO	RECOVERY	HOURS

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	<i>F Reichert</i>	<i>B. ALBERT</i>	<i>KIMMY KNAPP</i>
DERRICKMAN	<i>C. Osmaekne</i>	<i>C. G. GOSWISS</i>	<i>BARRY RODE</i>
HELPER	<i>A. Haus</i>	<i>C. G. GOSWISS</i>	<i>RAY BERUNDETTE</i>
HELPER	<i>R. Greening</i>	<i>W. J. TAYLOR</i>	<i>JIM KNAPP</i>
HELPER	<i>W. Pedersen</i>	<i>H. P. P. P.</i>	<i>BILL REID</i>
FIREMAN			

*Cooling U
Apartment
Returns*

SHER

-CS

CHEVRON SOBC Wm N. PARKIN YTD-61

OTHER HOURLY OPERATING DETAIL WORK DONE

MUD and CHEMICALS ADDED		From	To	OTHER HOURLY OPERATING DETAIL WORK DONE
1972	Kind	Amount		
UR	TOUR 1		12:00 - 12:15	RIG SERV. HYDRAULIC CLEAN HOLE FROM 3770 TO 3863 TRIP IN 3 STANDS & BUMP LICK @ 4150 CLEAN BRIDGE FROM 4160 TO 4200
FT			12:15 - 5:00	
FT		2100 #	5:00 - 6:00	
FT		12200 #	6:00 - 8:00	
FT		100 #		
FT	TOUR 2		8:00 - 8:15	RIG SERV. & KELLY COCK CLEAN HOLE FROM 4200 - 4301 TRIP OUT 5 STANDS HOLE TIGHT PUT ON KELLY & CIRC
FT	CAUSTIC	300 #	8:15 - 1:30	
FT	GEL	4100 #	1:30 - 2:30	
FT	CMC	50 #	2:30 - 4:00	
FT	W/ MAT	2000 #		
FT				Diminished danger of working on flow without shutting in safety valves.
FT	TOUR 3		4:00 - 4:30	
FT	Spersene - 4 sks	4:30 - 5:00	5:00 - 5:30	Circulate Tight Hole Pull Two Stands - Hole Tight Circulate Tight Hole Trip Out FT 3600' Hole Good Lay Down 4-6 3/4" Drill Collars Rig Serv. + v Blind Rams Lay Down Core Bbl. + Service Same Make Up Bit + Trip In
FT	Talked About Using	5:30 - 8:00	8:00 - 9:00	
FT	Tools For Their	8:00 - 9:00	9:00 - 9:15	
FT	Proper Jobs	9:00 - 9:15	10:15 - 10:00	
FT		10:15 - 12:00		
FT				
FT				

CEMENTING TESTING FISHING SPECIAL JOB DETAILS INCLUDING ENGINEERING SUMMARIES

Cleaned to 4301 - Tripped out to check bit and high pump pressure. Pulled 5 stands - Tight. Put on Kelly & circulated 2 hours. Pulled 2 stands - Tight. Put on Kelly & circulated 1/2 hour. Tripped out - Pulled out. One jet plugged in bit. Laid down 6 3/4" collars. - ~~125.94'~~ Ran in with new bit

Cooling Unit:
Ambient Temp + 18°
Return Temp + 18°

L. F. Sweeney
SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR *NABORS DRILL* RIG NO. *1*

FIELD *EAGLE PLAINS* WELL NAME *N 66° 20' 12" W 137° SEC 13'* TWP. R. W.

DRILLING DEEPENING COMPLETING
 REDRILLING ABANDONING REWORKING FOR *4* HOURS ENDING *12* MIDNIGHT *APRIL 23* 1972

CHEVRON SOB
 CHEMICAL
 Kind

DRILLING ASSEMBLY		END OF MORNING TOUR			END OF DAYLIGHT TOUR			END OF AFTERNOON TOUR		
STANDS	D.P.	NO	FT	NO	FT	NO	FT	NO	FT	
SINGLE	D.P.		6303		6303		6303		6303	
X OVER SUB	O.D.		802		802		802		802	
OTHER	O.D.									
DRILL COLLARS	O.D.		12594		12594		12594		12594	
DRILL COLLARS	O.D.	NO	48664	NO	48664	NO	48664	NO	48664	
REAMER	O.D.	KIND		KIND		KIND		KIND		
STABILIZER	O.D.	KIND		KIND		KIND		KIND		
JARS		KIND		KIND		KIND		KIND		
BUMPER SUB		KIND		KIND		KIND		KIND		
BIT OR CORE BARREL										
TOTAL D.P. & TOOLS										
KELLY DOWN (BELOW R.B.)			1809		1707		1809			
DEPTH OF TOOLS			11000000		11000000					
TOUR		MORNING TOUR			DAYLIGHT TOUR			AFTERNOON TOUR		
DEPTH END OF TOUR			11000				11000			
DEPTH START OF TOUR										
FOOTAGE DRILLED										

TOUR 3
Spersone - 2m
Caustic
Gel
WT. MAT
CMC
Dowside "B"

TOUR 4
CE -
WT. MAT
EME

DAY WORK	HOURS				HOURS				HOURS					
	2:00 AM	3:00 AM	4:00 AM	5:00 AM	6:00 AM	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
PUMP	60 1000	/			60 1000	/			60 1200	60 1200	60 1200	60 1200	60 1200	60 1200
ROTARY SPEED	RPM 45	/			RPM 45	/								
WEIGHT ON BIT	M lbs	/				/								
MUD WEIGHT	lb gal	11.0	11.6	11.0	/			11.1	11.4	10.9				
VISCOSITY	sec. st	205	215	215	/			260	150	165				
W.L.F.C.	cc 32nd	/				/			5.4	5.4	5.4			
pH		8.5	9.0	9.0	/									
MUD LEVEL IN TANKS	ft. lvs.													

TOUR 5
WT. MAT

Clean
Dress
SEPTI.
shake
be...

NO.	SIZE	SERIAL	BIT KIND AND TYPE	DATE	TIME	TIME	TIME
48	8 1/4	252635	SEC 544	3-13	6:14	2020	3700 1750

CORE No.	No.	DST No.	FROM
TYPE		PREFLOW	HP
FROM		EST	HP
TO		VO	HP
Recovery		FST	HP
HOURS		RECOVERY	5

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	<i>F. HEICHERT</i>	<i>Brian Riddle</i>	<i>B. Knapp</i>
JERRICKMAN	<i>G. OSMACHENKO</i>	<i>Gerry Barnes</i>	<i>G. Rude</i>
HELPER	<i>A. KAUS</i>	<i>Earl Collins</i>	<i>R. Bernhardt</i>
HELPER	<i>K. GREENING</i>	<i>Mel Patton</i>	<i>E. Knapp</i>
HELPER	<i>N. PEDERSON</i>	<i>Wolfgang</i>	<i>Ric</i>
FOREMAN			
WELL PUSHER			

CHEVRON SOBC W^m N. PARKIN YTD-61

OTHER HOURLY OPERATING DETAIL
WORK DONE

1972	Hour	Feet	Chemical Kind	Amount	From	To	Work Done
			TOUR 3		12:00	12:15	
	8	FT	Spersene - 2sk	2sk	12:15	8:00	Rig SERV. CHECK KELLY VALVE CLEAN HOLE FROM 3425 TO 3640
	3	FT	Caustic	2sk			
	2	FT	Gel	71sk			
		FT	WT. MAT	384sk			
		FT	CMC	1sk			
	4	FT	Dowicide "B"	20 ^{sk}			
		FT	TOUR 2				
		FT	CE	5200#	7:00	7:15	Rig SERV HydriLL
		FT	WT MET	16900#	7:15	10:00	clean HOLE 3640 - 3660
		FT	EME	50#	10:00	4:00	REPLACE SHAKER SCREEN & LEAK Snake From Mud Tanks
		FT					
		FT					
		FT					
		FT	TOUR 8				
		FT	WT. MAT	23200#	4:00	4:15	Rig SERV 4 1/2 RAMS
		FEET		2000#	4:15	12:00	CLEAN HOLE FROM 3660 - 3770
		FEET		30#			
		FEET		20#			
		FEET					Discussed Importance of Wearing Safety Goggles when Charging Tong Dies

MENTING, TESTING, VISUAL RECORDS, JOB DETAILS, INCLUDING ENGINEERING SUMMARIES

Cleaned & dumped settling tanks.
Dresser sleeve parted between shaker tank and
settling tank - lost 50 bbl mud. By passing
shaker tank. Shaker tank dropped 8 inches
because it wash out under neath matting.

[Signature]
SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR **NABORS DRILL** RIG NO. **1**

FIELD **EAGLE PLAINS** WELL NAME

WELL NAME

USD

SEC

TWP

RANGE

STATE

CHEVRON SOBC

METAL CHEMICALS

DRILLING DEEPENING COMPLETING

REDRILLING ABANDONING REWORKING

FOOTAGE ENDING 2 MIDNIGHT **APRIL 22**

192

DRILLING ASSEMBLY		END OF MORNING TOUR			END OF DAYLIGHT TOUR			END OF AFTERNOON TOUR		
STANDS	D.P.	NO	1024828	FT	NO	1024828	FT	NO		FT
SINGLE	D.P.	NO	6303	FT	NO	6303	FT	NO		FT
X OVER SUB	O.D.		802	FT		802	FT			FT
OTHER	O.D.			FT			FT			FT
DRILL COLLARS	O.D.		12594	FT		12394	FT			FT
DRILL COLLARS	O.D.	NO	48664	FT	NO	48664	FT	NO		FT
REAMER	O.D.	KIND		FT	KIND		FT	KIND		FT
STABILIZER	O.D.	KIND		FT	KIND		FT	KIND		FT
JARS		KIND		FT	KIND		FT	KIND		FT
BUMPER SUB		KIND		FT	KIND		FT	KIND		FT
BIT OR CORE BARREL				FT			FT			FT
TOTAL D.P. & TOOLS				FT			FT			FT
KELLY DOWN BELOW RB			1809	FT		1809	FT			FT
DEPTH OF TOOLS			1100000	FT		1100000	FT			FT

TOUR
 Del...
 TOUR
 WT Mat.
 Cool
 Control
 Spense
 Downside B

DAY WORK	MORNING TOUR			DAYLIGHT TOUR			AFTERNOON TOUR					
	2:30 AM	4:00 AM	6:00 AM	8:00 AM	10:00 AM	12:00 PM	2:00 PM	4:00 PM	6:00 PM			
PUMP	S.P.M. 60	900	60	900	60	900	60	900	60			
ROTARY SPEED	R.P.M. 45	45	45	45	45	45	45	45	45			
WEIGHT ON BIT	M lbs	CLEANING SHAFT NO WEIGHT REQ'D										
MUD WEIGHT	lb/gal	1.1	10.3	10.5	10.5	10.5	10.7	10.6	10.5	10.5	10.6	
VISCOSITY	sec/cp	115	185	156	230	225	250	225	230	235	252	258
W.L.F.C.	cc/32nd	5	6	6	6	6	6	6	6	6	6	6
p.H.		1	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	9.0
MUD LEVEL IN TANKS	FT. In											

TOUR
 Gel - 27sk
 wt Mat - 84sk
 Caustic - 1sk
 Spersone - 2sk
 Cleaned
 Rotating
 up and
 Then 3h
 Cutting

NO.	SIZE	SERIAL	BIT KIND AND TYPE	LET DOWN IN FT.	WELL LOG NO.
48	8 1/4	252635	SEC. 544	3-13	1-1/2 2020 3-1-1405

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

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	F. HEICHERT	BRIAN RIDDLE	H. K...?
GERRICKMAN	G. DEMACHEVKO	CHEARY BARNES	S. ...
HELPER	A. KAUS	COLE ...	R. ...
HELPER	R. GREENING	NO. PARSON	J. K...
HELPER	A. PEDERSON	WALTER YACSHAN	J. ...
FIREMAN			
TOOL PUSHER			

8 1/2 pm Cool

CHEVRON SOBC Wm N. PARKIN YTD-61

OTHER HOURLY OPERATING DETAIL
WORK DONE

MATERIALS CHEMICALS ADDED		From	To
92	Kind	1200	1215
UR	Amount	1215	800
FT	TOUR		
FT	WT Mat	4 ⁰⁰	8 ¹⁵
FT	CAUST	4 ¹⁵	4 ⁰⁰
FT	CAUSTIC		
FT	SPERSENE		
FT	DONICIOS B		
FT	TOUR 1		
FEET	WT Mat - 27sks	4:00	4:15
FEET	CAUSTIC - 1sk	4:15	12:00
FEET	SPERSENE - 2sks		

Rig SERV Remote Hydraulic OK
CLEAN HOLE FROM 2750 TO 3025' 11.8.

Rig SERV w/ 41 Raps
CLEAN HOLE FROM 3178 - 3178

Keep all walkways & floor clean
and clear at all times

Rig SERV Hydraulic
CLEAN HOLE FROM 3178 - 3425

Discussed Importance of Checking
Back-up Lines on Tongs

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

Cleaned from ~~2750~~ 2750 To 3425 - 675' in 23 1/4 hrs.

Rotating with minimum weight on bit. Pipe Torques
up and pump pressure rises it will penetrate more
than 3 feet.

Cuttings sub rounded and slotted.

10.6
2.58
5.9
4.0
2.8
3.2
6.92
5.5
14
80
7.08

8 ¹⁰/_{PM} Cooling Unit. Ambient Temp + 8°F
Returns + 18°F

W. F. Fumble
SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR **NABORS DALL** BILL NO. 1

FIELD **EAGLE PLAINS** WELL NAME **N 66° 20' 12" ESDN 137" SEC 13' TWP** No. W

CHEVRON
M. CHEMICAL
Kind

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

DRILLING ASSEMBLY		END OF MORNING TOUR			END OF DAYLIGHT TOUR			END OF AFTERNOON TOUR			TOUR			
STANDS	D.P.	NO	10298	28	FT	NO	10298	28	FT	NO	10298	28	FT	
SINGLE	D.P.	NO		6303	FT	NO		6303	FT	NO		6303	FT	
X OVER SUB	O.D.			802	FT			802	FT			802	FT	
OTHER	O.D.			12594	FT	J		12594	FT			12594	FT	
DRILL COLLARS	O.D.			48664	FT	16		48664	FT			48664	FT	
DRILL COLLARS	O.D.	NO			FT	NO			FT	NO			FT	
REAMER	O.D.	KIND			FT	KIND			FT	KIND			FT	
STABILIZER	O.D.	KIND			FT	KIND			FT	KIND			FT	
JARS					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.)				1809	FT			1809	FT			1809	FT	
DEPTH OF TOOLS			11000	0000	FT			11000	0000	FT			11000	0000
TOUR			MORNING TOUR			DAYLIGHT TOUR			AFTERNOON TOUR					
DEPTH END OF TOUR			11000	00	FEET			11000	00	FEET			11000	00
DEPTH START OF TOUR					FEET					FEET				
FOOTAGE DRILLED					FEET					FEET				

TOUR 1
Get 28skt
Loustic - 1sk
Sparsene - 6sk
Wt mat - 48sk
Downside B - 20

DAY WORK	HOURS				HOURS				HOURS				
	2:00 AM	4:00 AM	6:00 AM	8:00 AM	10:00 AM	12:00 PM	2:00 PM	4:00 PM	6:00 PM	8:00 PM	10:00 PM	12:00 AM	
PUMP	SD (m PSI)	60	900	60	900	60	900	60	900	60	900	60	900
ROTARY SPEED	R.P.M.	45		45		45		45		45		45	
WEIGHT ON BIT	M lbs	CLEANING		SLOTTED SHALE		No WEIGHT Req'd.							
MUD WEIGHT	lb gal			9.7	9.7	9.7	9.7	9.7	9.9	10.0	10.1		
VISCOSITY	SEC. CT			182	200	200	210	205	207	195	197		
W.L.F.C.	CC. 32nd			5.2	5.2	5.2	5.4	5.2	5.2	5.2	5.2		
p.H.				9.5	9.5	9.5	9.5						
MUD LEVEL IN TANKS	FT. INS.												

Tripped
w/ -
Mater
of shal
bit pas

NO.	SIZE	SERIAL	BIT KIND AND TYPE	EST. NO.	EST. NO.	EST. NO.
48	8 3/4	252635	SEC. S 44	373	2020	2750 730

CORE	No.	No.	DST No.	NOV	NOV	NOV
TYPE			PREFLOW			8.00 - 3
FROM			1ST			9.7 10/43
TO			V.D.			192 5.8
RECOVERY			F.S.			80 9.5
HOURS			RECOVERY			48 10

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	F. REICHERT	BRIAN RYAN	B. KNAPP
DERRICKMAN	G. OSMAKONKO	CHRISTOPHER	R. BROWN
HELPER	H. KAUS	CARL GILL	R. BERGQUIST
HELPER	R. GREENING	NEIL PARSON	J. KNAPP
HELPER	N. PEDERSON	WALTER TACTSHYN	B. BIRD
FIREMAN			
TOOL PUSHER			

CHEVRON SOBC W/M N PARKIN YTD-61

OTHER HOURELY OPERATING DETAIL WORK DONE

M.D. and CHEMICALS ADDED		From	To	
1972	Kind	Amount		
10	TOUR 1			TRIP OUT
8		1200	100	R.G. SERVO. CHECK BEIND RAMS
3		100	115	TRIP IN TO 2020
2		115	215	CLEAN HOLE FROM 2020' TO 2150' K.S.
✓		215	800	
✓				
				DISCUSSED DANGERS OF STANDING BETWEEN TONGS WHEN BREAKING PIPE.
	TOUR 2			
	CEL 100	600 lbs	9 15	CLEAN HOLE FROM 2150-
	Wa mat	15000 lbs	9 15	RIG SERVO & HYDRIL
			9 30	CLEAN HOLE TO 2525
			4 15	
				DISCUSSED BLOWOUT PROCEDURE & CATCH TANK JOB.
	TOUR 3			
	Gel 28 sks	400	4 15	RIG SERVO & 1/2 RAMS
	Coastic 1 sk	4 15	12 00	CLEAN HOLE FROM 2525-2750
	Spercene - 6 sks			
	WT Mat - 48 sks			
	Dowicide B" 20 #			DISCUSSED PROCEDURES FOR CLEANING UP HOLE
				ON LOCATIONS

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

Tripped in - bit bridge @ 2020' - started adding wt material and cleaned to 2750 - 21 1/4 hours.

Material coming over shaker mostly rounded particles of shale. Shale appears to be carrying in after the bit passes through. Pipe free as long as pump is running.

3
10/43
5.8
9.5
10
60
350

L. F. Gammble
SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR *MARSON'S*

RIG NO *549*

FIELD *EAGLE Plains* WELL NAME *JT D-61*

LSD SEC TWP

DRILLING DEEPENING COMPLETING

REDRILLING ABANDONING REWORKING

FOR 24 HOURS ENDING 12 MIDNIGHT

April 20

19 *22*

DRILLING ASSEMBLY	END OF MORNING TOUR				END OF DAYLIGHT TOUR				END OF AFTERNOON TOUR			
	STANDS	D.P.	NO	FT	STANDS	D.P.	NO	FT	STANDS	D.P.	NO	FT
SINGLE	D.P.	NO		63 03	NO			63 03	NO			63 03
X OVER SUB	O.D.			8 02				8 02				8 02
OTHER <i>6</i>	O.D.											
DRILL COLLARS <i>6 3/4</i>	O.D.			1 25 7 4				1 25 9 4				1 25 9 4
DRILL COLLARS <i>6 3/4</i>	O.D.	NO		4 8 6 6 4	NO			4 8 6 6 4	NO			4 8 6 6 4
REAMER	O.D.	KIND			KIND				KIND			
STABILIZER	O.D.	KIND			KIND				KIND			
JARS		KIND			KIND				KIND			
BUMPER SUB												
BIT OR CORE BARREL												
TOTAL D.P. & TOOLS												
KELLY DOWN (BELOW R.B.)							18 09					18 09
DEPTH OF TOOLS							11 000 0 0					11 000 0 0

TOUR
CMC

TOUR
*GEL
CAUSTIC
CMC*

TOUR
*GEL
CAUSTIC
CMC*

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR			11 000
DEPTH START OF TOUR			
FOOTAGE DRILLED			

DAY WORK	HOURS				HOURS				HOURS			
	2:00 AM	4:00 AM	6:00 AM	8:00 AM	10:00 AM	12:00 AM	2:00 PM	4:00 PM	6:00 PM	8:00 PM	10:00 PM	12:00 PM
PUMP	<i>60</i> 1000	<i>60</i> 1000	<i>60</i> 1000	<i>60</i> 1000	<i>60</i> 1000	<i>60</i> 1000	<i>60</i> 1000	<i>60</i> 1000	<i>60</i> 1000	<i>60</i> 1000	<i>60</i> 1000	<i>60</i> 1000
ROTARY SPEED	<i>115</i>	<i>115</i>	<i>115</i>	<i>45</i>	<i>45</i>	<i>45</i>	<i>45</i>	<i>45</i>	<i>45</i>	<i>45</i>	<i>45</i>	<i>45</i>
WEIGHT ON BIT												
MUD WEIGHT	<i>9.5</i>	<i>9.5</i>	<i>9.5</i>	<i>9.5</i>	<i>9.6</i>	<i>9.6</i>	<i>9.6</i>	<i>9.6</i>	<i>9.6</i>	<i>9.6</i>	<i>9.6</i>	<i>9.6</i>
VISCOSITY	<i>220</i>	<i>235</i>	<i>250</i>	<i>275</i>	<i>255</i>	<i>264</i>	<i>280</i>	<i>280</i>	<i>170</i>	<i>170</i>	<i>170</i>	<i>170</i>
W.L.F.C.	<i>5.2</i>	<i>5.2</i>	<i>5.2</i>	<i>5.2</i>	<i>5.2</i>	<i>5.2</i>	<i>5.2</i>	<i>5.2</i>	<i>5.2</i>	<i>5.2</i>	<i>5.2</i>	<i>5.2</i>
pH	<i>9.0</i>	<i>9.0</i>	<i>9.0</i>	<i>8.5</i>	<i>8.5</i>	<i>9.0</i>	<i>9.0</i>	<i>9.0</i>	<i>9.5</i>	<i>9.5</i>	<i>9.5</i>	<i>9.5</i>
MUD LEVEL IN TANKS												

COOKING
8
120

NO.	SIZE	SERIAL	BIT KIND AND TYPE	FEET RUN IN	TOTAL HOURS	FROM	TO	REMARKS
<i>47RR</i>	<i>8 3/4</i>	<i>22221</i>	<i>XU.</i>	<i>3-13</i>	<i>60</i>	<i>CLEAN HOLE</i>	<i>3241</i>	<i>5-1-1</i>

Tour 3

CORE	No	No	DST No	FROM	TO	REMARKS
TYPE			PREFLOW	NOV	EST	
FROM			EST	NOV	EST	
TO			NOV	EST	NOV	
Recovery			EST	NOV	EST	
HOURS			RECOVERY			

*Clean and s
Tight work*

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	<i>G.W. Lloyd</i>	<i>F. PEICHERT</i>	<i>B. RIDDLE</i>
DERRICKMAN	<i>H. Hietala</i>	<i>G. Osmachenko</i>	<i>G. BARNES</i>
HELPER	<i>F. Connors</i>	<i>A. KAUS</i>	<i>C. COLLINS</i>
HELPER	<i>K. TERRY</i>	<i>R. GREENING</i>	<i>N. PARSONS</i>
HELPER	<i>M. G. REEVE</i>	<i>N. PEDERSON</i>	<i>W. YACHEMIN</i>
FIREMAN			
TOOL PUSHER			

CHEURON S.O.C. W.M. H. 212111

MATERIALS AND CHEMICALS ADDED		From	To	OTHER HOURLY OPERATING DETAIL WORK DONE
Kind	Amount			
19 22		12 00	12 15	
TOUR		12 5	2 00	Rig SECU V 18 Rams.
8 FT	CMC			CLEAN Hole From 2833 - 2835
13 FT				HELD Blow OUT DRILL
2 FT				
4 FT				
6 4 FT				
TOUR		8 00	8 15	Rig SECU. CHECK HYDRA
FT	GEL	8 15	4 00	CLEAN Hole From 2833 To 3013'
FT	CAUSTIC			
FT	CMC			
FT				
FT				
9 FT				DISCUSSED DANGER OF ICE PLUGS IN PIPE.
0 FT	TOUR 3	4 00	4 15	Rig SECU V 4 3 Rams
FEET	GEL	4 15	8 00	CLEAN Hole FROM 3017-3241
FEET	CAUSTIC	8 00	8 30	TRIP OUT, Hole TIGHT
FEET	CMC	8 30	7 30	Put Kelly On @ 2364, Work TIGHT HOLE
FEET		9 30	10 00	TRIP OUT To 1000'
HOURS		10 00	12 00	Shut & Cut WALK BACK 525'
12 00 PM				

CEMENTING TESTING FISHING SPECIAL JOB DETAILS INCLUDING ENGINEERING SUMMARIES

COOKING UNIT - 2:00 AM

8°F AMBIENT
12°F RETURNS.

- 11:00 AM

12°F AMBIENT
19°F RETURNS

TOUR 2 SERTY

DISCUSSED DANGERS OF SWABBING HOLE

Cleaned to 3241 - Tripped out to check bit and slip & cut bad spot in drilling line.

Tight spot at 2364 - had to put on Kelly and work thru - circulated and worked pipe for one hour

Loth Grumbly
SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR HABORS REG NO 41

FIELD EAGLE PLUMSWELL NAME YD 61

USD SEC TYP REP W

DRILLING DEEPENING COMPLETING

REDRILLING ABANDONING REWORKING FOR 24 HOURS ENDING 12 MIDNIGHT APR 11 19 22

CHEM
M... CHEMIC
Kind

DRILLING ASSEMBLY	END OF MORNING TOUR				END OF DAYLIGHT TOUR				END OF AFTERNOON TOUR									
STANDS	DP	NO	10	298	28	FT	NO	10	298	28	FT	NO	10	298	28	FT		
SINGLE	DP	NO		63	03	FT	NO		63	03	FT	NO		63	03	FT		
X-OVER SUB	OD			8	02	FT			8	02	FT			8	02	FT		
OTHER	OD					FT					FT					FT		
DRILL COLLARS <u>6 3/4</u>	OD			125	94	FT			125	94	FT			125	94	FT		
DRILL COLLARS <u>6 1/4</u>	OD	NO		486	64	FT	NO		486	64	FT	NO		486	64	FT		
REAMER	OD	KIND				FT	KIND				FT	KIND				FT		
STABILIZER	OD	KIND				FT	KIND				FT	KIND				FT		
JARS		KIND				FT	KIND				FT	KIND				FT		
BUMPER SUB		KIND				FT	KIND				FT	KIND				FT		
BIT OR CORE BARREL						FT					FT					FT		
TOTAL DP & TOOLS						FT					FT					FT		
KELLY DOWN (BELOW R.B.)				18	09	FT			18	09	FT			18	09	FT		
DEPTH OF TOOLS				11	000	00	FT			11	000	00	FT			11	000	00

TOUR
GEL

DAY WORK	HOURS								HOURS							
	2:00 AM	4:00 AM	6:00 AM	8:00 AM	10:00 AM	12:00 AM	2:00 PM	4:00 PM	6:00 PM	8:00 PM	10:00 PM	12:00 AM	2:00 AM	4:00 AM	6:00 AM	8:00 AM
PUMP	SPM	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
ROTARY SPEED	RPM	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
WEIGHT ON BIT	M lbs	2-4	2-4	2-4	CLEANING LITTLE WT.											
MUD WEIGHT	lb gal	9.5	9.5	9.5	9.4	9.4	9.4	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
VISCOSITY	sec qt	175	175	175	175	185	185	190	190	190	200	197				
W/L F.C.	cc 32nd	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2				
pH		9.0	9.0	9.0	10	10	10	10	10	10	10	10				

Aluminum

NO.	SIZE	SERIAL	BIT KIND AND TYPE	RET. NO.	DATE
47	8 3/4	22221	Hughes - X.V.	3-13	

CLEANING
SMALL
4" x 1"

CORE	No.	No.	DST No.	FROM	TO	RECOVERY	HOURS
TYPE			PREFLOW	PREP			8:00
FROM			TSI				93
TO			V.O.				165
RECOVERY			F.S.				65
HOURS			RECOVERY				40
							50

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	G. WALOYD	F. REICHERT	B. RIDGLEY
DERRICKMAN	H. HITTALA	G. OSIMCHENKO	G. BARNES
HELPER	P. COLLINS	A. KAUS	C. COLLINS
HELPER	K. TERRY	R. GREENING	R. GREENING
HELPER	M. GREKE	N. PEDERSON	W. YALISHYN
FIREMAN			
P.O. / PUSHER			

CHEVRON SOBC W/M H. PARKER

MATERIAL CHEMICALS ADDED		From	To	OTHER HOURLY OPERATING DETAIL WORK DONE
Kind	Amount			
19 22		12:00	12:35	Skip 20 FT Dirty LIME Fill SERVO V Boxes. Run into beam bridges @ 2000 to 2280
8 FT	GEL	12:30	12:45	
3 FT		12:45	2:00	
2 FT				
14 FT				CREW DISCUSSED LAYOUTS OF FIRST PLUGS. IN JUNE 2, 1915.
4 FT	TOUR 2	8:00	8:15	
		8:15	4:00	Rig SERVO. MIDNITE OK. CLEAR HOLE FROM 2280 TO 2400.
0 1	TOUR 3	4:00	12:00	CLEAR HOLE, BEAM FROM 2400-2588
				Run full rope, lower chum set past rotary while it is in motion.

CEMENTING TESTING FISHING SPECIAL JOB DETAILS, INCLUDING ENGINEERING SUMMARIES

ADDITIONAL COOLING UNIT -
 AMBIENT + 14°F
 RETURNS + 22°F

CLEANING FILL FROM 2020 TO 2588 FILL MATERIAL BLACK
 SHALE SPINTERS AND PLATELS. SPINTERS UP TO
 4" x 1" x 1/8"

1 12/25
 51
 9
 7.5
 25
 300

H. K. Cosman

SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR *Wagoners* WELL NO. *4*

FIELD *Eagle Pt. 1/4 Sec* WELL NAME *YFJ 61* (SD) SEC TWP R40 W
 DRILLING DEEPENING COMPLETING
 REDRILLING ABANDONING REWORKING FOR 24 HOURS ENDING 12 MIDNIGHT *April 15* 19*75*

DRILLING ASSEMBLY		END OF MORNING TOUR			END OF DAYLIGHT TOUR			END OF AFTERNOON TOUR		
STANDS	D.P.	NO	10298	28 FT	NO		NO	10298	28 FT	
SINGLE	D.P.	NO		6303 FT	NO			6303 FT		
X OVER SUB	O.D.			802 FT				802 FT		
OTHER	O.D.									
DRILL COLLARS	O.D.			12594 FT				12594 FT		
DRILL COLLARS	O.D.	NO	1486	64 FT	NO		NO	1486	64 FT	
REAMER	O.D.	KIND			KIND		KIND			
STABILIZER	O.D.	KIND			KIND		KIND			
JARS		KIND			KIND		KIND			
BUMPER SUB										
BIT OR CORE BARREL										
TOTAL D.P. & TOOLS										
KELLY DOWN (BELOW R.B.)				1809 FT				1809 FT		
DEPTH OF TOOLS			11000	000 FT				11000	000 FT	

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	11000 FEET		11000 FEET
DEPTH START OF TOUR			11000 FEET
FOOTAGE DRILLED			NIL FEET

DAY WORK	HOURS				HOURS				METERS										
	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			6:45	6:50	6:50	6:50	6:50	6:50	6:50	6:50	6:50	6:50	6:50	6:50	6:50	6:50	6:50	6:50	6:50
ROTARY SPEED																			
WEIGHT ON BIT																			
MUD WEIGHT																			
VISCOSITY																			
W.L.F.C.																			
MUD LEVEL IN TANKS																			

NO.	SIZE	SERIAL	BLK. KIND	INLET TYPE	DATE	NO.	NO.	NO.	NO.
46	9 3/4 FT	50A	SMITH	4JS	3/13	29 1/2	10740	11000	260
47	9 3/4	22321	H.W.	XV	3-13		11000		

CORE	No.	No.	DST. NO.	NO.	NO.	NO.	NO.	NO.	NO.
TYPE			PRE-FLOW						
FROM									
TO									
RECOVERY									
HOURS									

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	<i>G.W. Lloyd</i>	<i>E. Reichert</i>	<i>B. Ripple</i>
DERRICKMAN	<i>H. Hiestack</i>	<i>G. Usanchenko</i>	<i>G. BARNES</i> DEPARTED 11000 4
HELPER	<i>F. CONNERS</i>	<i>H. KAUS</i>	<i>C. COLLINS</i>
HELPER	<i>K. TERRY</i>	<i>G. GREENING</i>	<i>M. PARSONS</i>
HELPER	<i>M. G. GRIFFIN</i>	<i>P. PEDERSON</i>	<i>W. TACHTSHAN</i>
FIREMAN			
T. OIL PUSHER	<i>Ernie Jones</i>		

CH
 M. J. CHEMICAL
 Kind
 TOUR
 TOUR
 TOUR
 TOUR 3
 CREW
 FILE TO
 DINNER

TOUR REPORT

CONTRACTOR **ATBORS** RIG NO. **47**

FIELD **EAGLE PLAINS** WELL NAME **JT D-61**

SD SEC TWP R4E W

DRILLING DEEPENING COMPLETING

REDRILLING ABANDONING REWORKING FOR 24 HOURS ENDING 12 MIDNIGHT **APR 2 1971**

1971

CH
Kind

DRILLING ASSEMBLY		END OF MORNING TOUR		END OF DAYLIGHT TOUR		END OF AFTERNOON TOUR	
STANDS	D.P.	NO	1027828 FT	NO	1029828 FT	NO	1029828 FT
SINGLE	D.P.	NO	6303 FT	NO	6303 FT	NO	6303 FT
X OVER SUB	O.D.		802 FT		802 FT		802 FT
OTHER	O.D.						
DRILL COLLARS 6 3/4	O.D.		12594 FT		12594 FT		12594 FT
DRILL COLLARS 6 1/2	O.D.	NO	48664 FT	NO	48664 FT	NO	48664 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.)			1809 FT		1809 FT		1809 FT
DEPTH OF TOOLS			1100000 FT		1100000 FT		1100000 FT
TOUR:			MORNING TOUR	DAYLIGHT TOUR		AFTERNOON TOUR	
DEPTH END OF TOUR			11000 FEET	11000 FEET		11000 FEET	
DEPTH START OF TOUR			10936 FEET				
FOOTAGE DRILLED			64 FEET				

GEL
CAUSTIC
CMC

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
PUMP	60 1250	60 1250	60 1250		60 1250			
ROTARY SPEED	48	48	48					
WEIGHT ON BIT	40	40	40					
MUD WEIGHT	9.2	9.2	9.2		9.2	9.2	9.2	
VISCOSITY	125	128	135		140	175	191	
W.L.F.C.	5.6	5.6	5.6		5.6	5.6	5.6	
p.H.	9.0				9.0	9.0	9.0	
MUD LEVEL IN TANKS								

TRIP

NO.	SIZE	SERIAL	BIT KIND AND TYPE	RE-ENTRANCE	RE-ENTRANCE	RE-ENTRANCE
46	8 3/4	PISON	SM. GA. H.S.	3	24 1/2	1000 26

CORE	No.	No.	DST No.	FROM	TO	RECOVERY	HOURS
TYPE			PREFLOW				3:00
FROM			151				92
TO			VO				145
Recovery			FS1				60
HOURS			RECOVERY				35

2
12 1/2
5.6
9.0
6 1/2
9.0
375

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	G. D. Hays	F. REICHERT	B. R. ODDIE
DERRICKMAN	A. H. TALA	F. OSIMACHENKO	F. CONNERS
HELPER	F. SCHWAB	A. KAUS	C. COLLINS
HELPER	K. TERRY	R. GREENING	N. PARSONS
HELPER	M. YARFIS	N. PEDERSON	M. CUFF
FIREMAN			
TOOL PUSHER			

COOKING J...
ANALIS...
R...E...

CHEURON S.O.B.C. W.M. H. PARKER S.D-61

1922. DUR 8 FT 3 FT 2 FT FT 4 FT 4 FT FT FT FT FT 9 FT 10 FT R FEET FEET FEET HOURS D.M.M.	MUD and CHEMICALS ADDED		From	To	OTHER HOURLY OPERATING LEAD WORK DONE
	Kind	Amount			
	TOUR 1		12:00	12:15	Rig SERV v H Joubert
	GEL	800#	12:15	6:30	Daily 2nd Hole
	CAUSTIC	50#	6:30	8:00	TRIP TO DUMMAY TRIP (CIRCULATE SAMPLE)
	CMC	100#			
	TOUR 2		8:00	8:45	CIRC SAMPLE.
			8:45	11:45	TRIP OUT TO 3000' HD
			11:45	12:00	RIG SERV. CHECK PIPE RAMPS.
			12:00	3:00	TRIP IN BREAK CIRC @ 8000'
			3:00	3:15	BREAK CIRC. ON BOTT NO. FILL.
			3:15	4:00	CIRC TO LOG.
	TOUR 3		4:00	8:00	CIRC PRIOR TO LOGGING
			8:00	8:15	TRIP SURVEY
			8:15	12:00	TRIP OUT, RIG WONT PULL DAY

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

2
12
56
90
6 1/2
80
315

COOKING UNIT
 AMBIENT 14°F
 RETURNS 25°F

[Signature]
 SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR *N. J. BOERS* WELL NO. *41*

FIELD *ERGAN DR* WELL NAME *12-1* LSI SEC TWP R. S. W. *1972*
 DRILLING DEEPENING COMPLETING
 REDRILLING ABANDONING REWORKING FOR 24 HOURS ENDING 2 MIDNIGHT *April 16* 1972

CHL
 CHEMICAL
 Kind

DRILLING ASSEMBLY	END OF MORNING TOUR	END OF DAYLIGHT TOUR	END OF AFTERNOON TOUR
STANDS	NO. <i>10 110 33</i> FT	NO. <i>10 204 24</i> FT	NO. <i>10 298 28</i> FT
SINGLE	NO. <i>31 54</i> FT		
X OVER SUB	<i>8 02</i> FT	<i>8 02</i> FT	<i>8 02</i> FT
OTHER			
DRILL COLLARS <i>6 1/2</i>	<i>1 25 14</i> FT	<i>1 25 9 4</i> FT	<i>1 25 9 4</i> FT
DRILL COLLARS <i>1 1/2</i>	NO. <i>4 8 6 6 4</i> FT	NO. <i>4 8 6 6 4</i> FT	NO. <i>4 8 6 6 4</i> FT
REAMER			
STABILIZER			
JARS			
BUMPER SUB			
BIT OR CORE BARREL			
TOTAL D.P. & TOOLS			
KELLY DOWN BELOW R.B.	<i>35 53</i> FT	<i>33 16</i> FT	<i>17 12</i> FT
DEPTH OF TOOLS	<i>10 118 00</i> FT	<i>10 858 00</i> FT	<i>10 976 00</i> FT
TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	<i>10 798</i> FEET	<i>10 858</i> FEET	<i>10 930</i> FEET
DEPTH START OF TOUR	<i>10 740</i> FEET	<i>10 798</i> FEET	<i>10 858</i> FEET
FOOTAGE DRILLED	<i>58</i> FEET	<i>60</i> FEET	<i>78</i> FEET

GEL
KELZAN
CMC
CAUSTIC

GEL
NE-ZAN
CAUSTIC
CMC
DOWNHOLE B

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	7:00 PM	8:30 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>	<i>60</i>	<i>60</i>	<i>60</i>
ROTARY SPEED	<i>1350</i>	<i>1350</i>	<i>1350</i>	<i>1200</i>	<i>1250</i>	<i>1250</i>	<i>1250</i>	<i>1250</i>	<i>1250</i>	<i>1250</i>	<i>1250</i>	<i>1250</i>	<i>1250</i>
WEIGHT ON BIT	<i>40</i>	<i>40</i>	<i>40</i>	<i>40</i>	<i>40</i>	<i>40</i>	<i>40</i>	<i>40</i>	<i>40</i>	<i>40</i>	<i>40</i>	<i>40</i>	<i>40</i>
MUD WEIGHT	<i>9.1</i>	<i>9.1</i>	<i>9.2</i>	<i>9.2</i>	<i>9.2</i>	<i>9.2</i>	<i>9.2</i>	<i>9.2</i>	<i>9.2</i>	<i>9.2</i>	<i>9.2</i>	<i>9.2</i>	<i>9.2</i>
VISCOSITY	<i>105</i>	<i>102</i>	<i>100</i>	<i>103</i>	<i>103</i>	<i>103</i>	<i>103</i>	<i>103</i>	<i>103</i>	<i>103</i>	<i>103</i>	<i>103</i>	<i>103</i>
WLF C	<i>5.6</i>	<i>5.6</i>	<i>5.7</i>	<i>5.7</i>	<i>5.7</i>	<i>5.7</i>	<i>5.7</i>	<i>5.7</i>	<i>5.7</i>	<i>5.7</i>	<i>5.7</i>	<i>5.7</i>	<i>5.7</i>
pH	<i>9.0</i>	<i>9.0</i>	<i>9.0</i>	<i>9.0</i>	<i>9.0</i>	<i>9.0</i>	<i>9.0</i>	<i>9.0</i>	<i>9.0</i>	<i>9.0</i>	<i>9.0</i>	<i>9.0</i>	<i>9.0</i>

MUD LEVEL IN TANKS	FT	FT	FT	FT
<i>46</i>	<i>8 3/4</i>	<i>FT 504</i>	<i>504</i>	<i>4 55</i>
				<i>2 78</i>
				<i>15 14</i>
				<i>23</i>
				<i>10 711 58</i>
				<i>10 858 118</i>
				<i>10 976 196</i>

CORE	No.	No.	DEPTH	TYPE	FROM	TO	RECOVERY	HOURS

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRIVER	<i>F. Reichert</i>	<i>F. Reichert</i>	<i>F. Reichert</i>
DECKMAN	<i>H. Hietala</i>	<i>H. Oshimenko</i>	<i>F. Connors</i>
HELPER	<i>F. Connors</i>	<i>A. Kaus</i>	<i>F. Connors</i>
HELPER	<i>K. T. ...</i>	<i>R. Giermanig</i>	<i>N. ...</i>
HELPER	<i>M. ...</i>	<i>N. Pederson</i>	<i>H. ...</i>
FIREMAN			
LOCAL PRIMER			

TOUR REPORT

CONTRACTOR **WABOHS** WENT **7**

FIELD **FAGRE PLAINS** WELL NAME **YT D-61**

DRILLING DEEPENING COMPLETING
 REDRILLING ABANDONING REWORKING

DRILLING ASSEMBLY	END OF MORNING TOUR		END OF DAYLIGHT TOUR		END OF AFTERNOON TOUR	
STANDS	D.P.	NO	1001611	FT	NO	1001611
SINGLE	D.P.	NO	6272	FT	NO	6272
X OVER SUB	O.D.		802	FT		802
OTHER	O.D.			FT		
DRILL COLLARS	O.D.		12594	FT		12594
DRILL COLLARS	O.D.	NO	48664	FT	NO	48664
REAMER	O.D.	KIND		FT	KIND	
STABILIZER	O.D.	KIND		FT	KIND	
JARS		KIND		FT	KIND	
BUMPER SUB		KIND		FT	KIND	
BIT OR CORE BARREL				FT		
TOTAL D.P. & TOOLS				FT		
KELLY DOWN (BELOW R.B.)			2157	FT		4100
DEPTH OF TOOLS			1072100	FT		1074043

GEL
 KELZAN
 CAUSTIC
 DOWICIDE "B"
 CML
 CHROME ALAN

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	10721	10740	10740
DEPTH START OF TOUR	10660	10721	10740
FOOTAGE DRILLED	407 61	19	W12

DAY WORK	12:00 AM	4:00 AM	8:00 AM	12:00 PM	4:00 PM	8:00 PM
PUMP	60	60	60	60	60	60
ROTARY SPEED	48	48	48	45	45	45
WEIGHT ON BIT	40	40	40	40	40	40
MUD WEIGHT	9.2	9.2	9.2	9.2	9.3	9.3
VISCOSITY	105	106	122	127	118	123
WL F.C.	5.4	5.4	5.4	5.4	5.2	5.2
pH	9.0	9.0	9.0	9.0	9.0	9.0

TRIP
 TRIP
 TRIP

NO.	SIZE	SERIAL	DR. KIND	NO. OF TOOTH	NO.	NO.	NO.
45	8 3/4	341121	M 88	32 1/2	60	10224	10721
46	8 3/4	17504	M 88	32 1/2	60	10740	496

COOLING
 Amble

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	G.W. Lloyd	F. REICHERT	R. GREENING
DEEPENING	H. HUSTON	G. OSMACHENKO	F. CONNERS
HELPER	F. CONNERS	A. KAUS	C. COLLINS
HELPER	K. TERRY	K. GREENING	N. PERSONS
HELPER	M. GAFFNEY	V. PEDERSON	R. GREENING

CHEURON S.O.B.C. W.M. W. PARRIN

OTHER HOURLY OPERATING LEAD WORK DONE

CHEMICALS ADDED		From	To
1972	Kind	Amount	
UR	GEL	1600#	2:00
FT	KELZAN	100#	2:15
ET	CAUSTIC	50#	2:15
FT	EDWICIDE "B"	20#	2:15
ET	CMC	50#	2:15
FT	CHROME ALUM	20#	2:15
TO - 2		8:00	10:45
FT		10:45	11:00
FT		11:00	1:00
FT		1:00	1:15
FT		1:15	4:00
TO - 3		4:00	6:30
FT		6:30	6:45
FT		6:45	9:30
FT		9:30	10:15
FT		10:15	10:25
FT		10:25	11:00
FT		11:00	11:15
FT		11:15	12:00

DRY
 19 1/2 SEED VITRY DRILL
 DRY

DALG 8 3/4 HOLE
 RIG SEW 7 1/2 RAINS OK
 CIRC SAMPLE
 DROP SURVEY @ 10,740 K.G.
 TAP OUT, DOUBLE STRAP.

FINISH TAP OUT, STRIP PIPE
 RIG SEW & BEING RANS
 TAP IN, BRIDGE @ 1900
 FINISH TAP & BREAK CIRC
 TAP IN
 FINISH PIPE
 TAP IN
 BREAK CIRC, CIRC TAP OFF, NO PIPE

STAMP TALLY 10,741.15
 BOARD TALLY 10,740.43
 DIFF .72
 NO CORRECTION.

~~DRY~~

COOLING UNIT RUNNING. TEMPS NOT RECORDED.
 AMBIENT LESS THAN 18°F ALL DAY.

[Handwritten signature]

TOUR REPORT

CONTRACTOR **WABORS.**
 N 66° 20' 12" W 137° 13'

FIELD **Edgely 44-45** WELL NAME **VT D-61**

DRILLING DEEPENING COMPLETING
 REDRILLING ABANDONING REWORKING

FOR 24 HOURS ENDING **April 14** 19**72**

DRILLING ASSEMBLY	END OF MORNING TOUR			END OF DAYLIGHT TOUR			END OF AFTERNOON TOUR		
STANDS	D.P.	NO	182980 FT	NO	992244	NO	1001011	NO	1001011
SINGLE	D.P.	NO	86 FT	NO	3156	NO		NO	
X OVER SUB	O.D.		802 FT		802				802
OTHER	O.D.								
DRILL COLLARS	O.D.		12594 FT		12594				12594
DRILL COLLARS	O.D.	NO	48664 FT	NO	48664	NO		NO	48664
REAMER	O.D.	KIND		KIND		KIND		KIND	
STABILIZER	O.D.	KIND		KIND		KIND		KIND	
JARS	O.D.	KIND		KIND		KIND		KIND	
BUMPER SUB	O.D.	KIND		KIND		KIND		KIND	
BIT OR CORE BARREL	O.D.	KIND		KIND		KIND		KIND	
TOTAL D.P. & TOOLS			2874 FT						
KELLY DOWN BELOW R.B.			5523 FT		2443				2329
DEPTH OF TOOLS			1053900 FT		1059900				1066000
TOUR			MORNING TOUR		DAYLIGHT TOUR				AFTERNOON TOUR
DEPTH END OF TOUR			10539 FEET		10599 FEET				10660
DEPTH START OF TOUR			10476 FEET		10539 FEET				10599
FOOTAGE DRILLED			63 FEET		60 FEET				61

DAY WORK	MORNING TOUR				DAYLIGHT TOUR				AFTERNOON TOUR			
	2:00 AM	4:00 AM	6:00 AM	8:00 AM	10:00 AM	12:00 PM	2:00 PM	4:00 PM	6:00 PM	8:00 PM	10:00 PM	12:00 AM
PUMP	60/1400	60/1400	60/1400	60/1400	60/1400	60/1400	60/1400	60/1400	60/1400	60/1400	60/1400	60/1400
ROTARY SPEED	45	45	45	45	45	45	45	45	45	45	45	45
WEIGHT ON BIT	40	40	40	40	40	40	40	40	40	40	40	40
MUD WEIGHT	9.0+	9.0+	9.1	9.1	9.1	9.2	9.2	9.2	12	12	12	12
VISCOSITY	68	70	74	72	73	71	72	74	75	90	105	100
W.L.F.C.	6.2	6.2	6.2	6.2	6.0	6.2	6.2	6.2	5.8	5.8	5.8	5.8
PH	9.0	9.0	9.0	9.0	9.0							
MUD LEVEL IN TANKS												

NO.	SIZE	SERIAL	BIT KIND	NO.	DATE	TIME	TIME	TIME	TIME	TIME	TIME
45	8 3/4	341121	M 88	3 1/2	10254	10254	10539	265			Run
				4 1/2	10254	10254	10599	345			✓
45	8 3/4	341121	Sec M 88	3 1/2	10254	10254	10660	406			Run

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	B. W. HOGG	F. REICHERT	BRUCE WILSON
DEEPMAN	A. HUSTON	G. OSWALD	CURT OSWALD
HELPER	F. CONNERS	A. KAUS	BOB JAMES
HELPER	K. TERRY	R. GREENING	N. PEDERSON
HELPER	M. GIBBLE	N. PEDERSON	C. COLLINS

Kind
 GEL
 GE
 KELOW
 CAUSTIC
 S. K. MEAL
 Hauls &
 extra
 4/1 Bar
 Desol
 A. C. HILL
 AMERICAN
 RETURN

CHEVRON SOBC Wm H. JACKSON VT 10/61

OTHER HOURLY OPERATING DETAIL WORK DONE

1972	MO	Kind	Amount	From	To
		TOUR 1		12:00	1:30
		GEL	700#	1:30	1:45
				1:45	2:00
		TOUR 2		8:00	8:15
				8:15	4:00
		TOUR 3		4:00	5:05
		GEL	5300#	5:05	6:00
		KELGAN	250#	6:00	12:00
		CAUSTIC	50#		
		SODIUM ALUM	20#		

Drill
Rig Service
DRILL

Rig Service Check Kelly Core Valve
DRILL 8 3/4 HOLE

Drill
Rig Service 4 1/2" Pipe Rams
DRILL

9
20
12
100
13
6 1/2
90
5 1/2
85
320

Hauled out and rucked
extra drill collars & drill pipe
41 Bales
Desilter

Alcohol Cooling Unit
Ambient Temp +70°F
Returns +28°F

[Signature]
SIGNATURE COMPANY ENGINEER

Chemical SOBC Wm N. Nix 15-2-41

OTHER HOURLY OPERATING DETAIL WORK DONE

1922	TIME	CHEMICALS ADDED	Amount	From	To
	0			2:00	1:00
	1			2:00	1:15
	2			1:15	12:00
	3				
	4				
	5				
	6				
	7				
	8				
	9				
	10				
	11				
	12				
	13				
	14				
	15				
	16				
	17				
	18				
	19				
	20				
	21				
	22				
	23				
	24				
	25				
	26				
	27				
	28				
	29				
	30				
	31				
	32				
	33				
	34				
	35				
	36				
	37				
	38				
	39				
	40				
	41				
	42				
	43				
	44				
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	46				
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	78				
	79				
	80				
	81				
	82				
	83				
	84				
	85				
	86				
	87				
	88				
	89				
	90				
	91				
	92				
	93				
	94				
	95				
	96				
	97				
	98				
	99				
	100				

DALG
RIP SERV 1/2 HOURS
DALG

RIP SERV 1/2 HOURS OK
DALG 8 1/4 HOLE

DALG
RIP SERV 1/2 HOURS
DALG

TEMPERATURE RECORD FOR DETAIL OF OPERATING AND STANDING TEMPERATURES

Cooling water
Ambient Temp +22°F
Returns +29°F

1.1
1.3
6.5
1.0

5
13
6 1/2
90
5 1/2
4 1/2
3 1/2

W. F. ...
ENGINEER COMPANY ENGINEER

TOUR REPORT

ONTRACT NO. **NABORS** NO. **9**

FIELD **Esque Denys** WELL NAME **YT 061**

DRILLING DEEPENING COMPLETING

REDRILLING ABANDONING REWORKING

DATE **4/21/72** 19 **72**

DRILLING ASSEMBLY			END OF MORNING TOUR				END OF DAYLIGHT TOUR				END OF AFTERNOON TOUR			
STANDS	D.P.	NO.	954682		NO.		954682		NO.		954682			
SINGLE	D.P.	NO.									8821			
X-OVER SUB	O.D.		802				802				802			
OTHER	O.D.													
DRILL COLLARS 6 3/4	O.D.		12594				12594				12594			
DRILL COLLARS 6 1/4	O.D.	NO. KIND	48664				48664		NO. KIND		48664			
REAMER	O.D.	KIND							KIND					
STABILIZER	O.D.	KIND							KIND					
JARS	O.D.	KIND							KIND					
BUMPER SUB	O.D.	KIND							KIND					
BIT OR CORE BARREL	O.D.	KIND							KIND					
TOTAL D.P. & TOOLS														
KELLY DOWN BELOW R.R.			2337				2337				3487			
DEPTH OF TOOLS			1025400				1025400				1029700			
TOUR			MORNING TOUR				DAYLIGHT TOUR				AFTERNOON TOUR			
DEPTH END OF TOUR			10254		FEET		10254		FEET		10297		FEET	
DEPTH START OF TOUR			10192		FEET				FEET		10254		FEET	
FOOTAGE DRILLED			62		FEET		0		FEET		43		FEET	

CAUSTIC
Gel
Kezan
Chrome Al

CMC

DAY WORK	2 AM	4 AM	6 AM	8 AM	10 AM	12 AM	2 PM	4 PM	6 PM	8 PM
PUMP	60	1400	60	1400	60	1400	60	1400	60	1400
ROTARY SPEED	45	45	45		45	45	45	45	45	45
WEIGHT ON BIT	110	40	40		20	35	35	35	35	35
MUD WEIGHT	12	9.2	9.2		12				12	12
VISCOSITY	100	95	95		105	95	95	95	95	95
W.L.F.C.	5.2	2	2	2	2					
pH	8.5	8	8		9	10	10	10	10	10

TRIP

TRIP
Alcohol
Ambient
Return

MUD LEVEL IN TANKS	NO.	SIZE	SERIAL	BIT NO.	LOG NO.	DATE	TIME	DEPTH	DEPTH
	44	8 3/4	888355	750	SMCS	4/21/72	1710	10254	164
	45	8 7/8	341121	Sec	M88	4/21/72	10254	10297	43

CORE	NO.	DATE	TIME	DEPTH	DEPTH
TYPE					
FROM					
TO					
REVIEWS					
HOURS					

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	<i>[Signature]</i>		F. REICHERT
DEBRICKMAN	<i>[Signature]</i>	H. HUSTALM	G. DEMICHELESCO & Cop 10254 1/2
HELPER	<i>[Signature]</i>	F. CORNERS	A. GAUS
HELPER	<i>[Signature]</i>	K. TERRY	C. JONES
HELPER	<i>[Signature]</i>	M. GHEFF	N. PEDERSON

FOREMAN *[Signature]*

HEURON S.O.B.C. Wm N PARKER ST. 2-61

OTHER HOURLY OPERATING DETAIL
WORK DONE

DEPTH	CHEMICALS ADDED	Amount	From	To
9			12:00	12:00
IR	TOU		2:00	7:15
2 FT	Caustic	50#	2:15	7:15
1 FT	Gel	2000#	7:15	7:30
2 FT	Kezan	50#	7:30	8:00
	Chrome Alum			
4 FT				
4 FT				
	TOU		8:00	12:00
			12:00	12:15
			12:15	1:15
			1:15	3:15
			3:15	3:30
			3:30	4:00
7				
0 FT	TOU		4:00	4:30
		150#	4:30	5:00
		115#	5:00	10:00
	LMC	1000	10:00	10:15
			10:15	12:00

DRY 8 3/4 HOLE
RIG SERV. 1 1/2 HOURS.
DRY 8 3/4 HOLE.
ODM. SURVEY DOWN
Blow mud lines & host for bit.

TRIP OUT
RIG SERV. BLIND TAMS OK.
WAIT ON BIT.
TRIP IN
BREAK CIRC @ 7000' K.B.
TRIP IN.

TRIP IN
BREAK CIRC & CLEAN 20' TO BOTTOM
DRY 8 3/4 HOLE
REPLACE GLAND PACKING
DRY 8 3/4 HOLE.

HELD BLOW-OUT DRILL FL.

60
14:00
45
35
12
1.0
5-1

Trip @ 10254 to change bit - Hole condition good

Alcohol Cooling Unit
Ambient Temp +20°F
Returns +28°F.

#1 Boiler start down.

L. F. Jernally
SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR *HARRIS Drilling* WELL NO. *1*

FIELD *Rock Plains* WELL NAME *1 Park* FSD# *166* SEC *25* TWP *12* R. *12*
 DRILLING DEEPENING COMPLETING
 REDRILLING ABANDONING REWORKING *APR - 11* 19*12*

DRILLING ASSEMBLY		END OF MORNING TOUR		END OF DAYLIGHT TOUR		END OF AFTERNOON TOUR		
STANDS	D.P. NO	70	2670 FT	94	5259 FT	95	4682 FT	
SINGLE	D.P. NO		62	70 FT	31	60 FT		
X OVER SUB	O.D.		7	12 FT	8	02 FT		
OTHER	O.D.							
DRILL COLLARS	O.D.							
DRILL COLLARS	O.D. NO		125	94 FT	125	94 FT		
REAMER	O.D. KIND		18	64 FT	48	64 FT		
STABILIZER	O.D. KIND							
JARS	KIND							
BUMPER SUB	KIND							
BIT OR CORE BARREL								
TOTAL D.P. & TOOLS								
KELLY DOWN (BELOW R.B.)			3	790 FT	13	21 FT	24	58 FT
DEPTH OF TOOLS			100	4900 FT	101	1800 FT	101	9200 FT

GEL CAUSTIC
~~*CAUSTIC*~~
DOWICIDE "C"
KELZAN

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	10048 FEET	10118 FEET	10192 FEET
DEPTH START OF TOUR	9980 FEET	10048 FEET	10118 FEET
FOOTAGE DRILLED	68 FEET	70 FEET	74 FEET

DAY WORK	HOURS											
	2:00 AM	4:00 AM	6:00 AM	8:00 AM	10:00 AM	12:00 AM	2:00 PM	4:00 PM	6:00 PM	8:00 PM	10:00 PM	12:00 AM
PUMP	60	60	60	60	60	60	60	60	60	60	60	60
ROTARY SPEED	45	45	45	45	45	45	45	45	45	45	45	45
WEIGHT ON BIT	40	40	40	40	40	40	40	40	40	40	40	40
MUD WEIGHT	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
VISCOSITY	85	80	79	70	69	75	90	85	89	86	88	92
W.L.F.C.	6.2	6.2	6.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
pH	8.5	8.5	8.5	8.5	9.0	9.0	9.0	9.0	9.0	9.0	9.0	8.9
MUD LEVEL IN TANKS												

NO.	SIZE	SERIAL	DR. H. W. INCHES	REMARKS	START	STOP	REMARKS
44	8 3/4	18833	2 CMS	Rec 2 1/2 in.	3249	790	10,048 258 ✓
					40		10,118 328 ✓
					474		10,192 402 ✓

CORE NO.	NO.	CONT.	TYPE	FROM	TO	RECOVER	HOURS
							8:00 - 1:00
							9:20 - 11:14
							76 - 5.2
							38.5 - 9.0
							24 - 6.12
							30 - 3.00

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	<i>[Signature]</i>	D.W. Lloyd	F. Reichert
DRILLING SUPERVISOR	<i>[Signature]</i>	H. Nietzka	G. Osimachenko
HELPER	<i>[Signature]</i>	F. Connors	A. Kraus
HELPER	<i>[Signature]</i>	K. Terry	B. Jones
HELPER	<i>[Signature]</i>	M. J. Reiff	N. Peterson

OTHER HOURLY OPERATING DETAIL
WORK DONE

1972		ADDED CHEMICALS ADDED		From	To	
TOUR		Kind	Amount			
82	ET	JR 1		12:00	12:15	
	ET			12:15		
	ET			1:00	8:00	
02	ET					
	ET					
94	ET					
64	ET	JR 2		8:00	8:15	
	ET	GEL	1000#	8:15	4:00	
	ET	CAUSTIC	100#			
	ET	CAUSTIC				
	ET	DOWICIDE "B"	40#			
	ET	KELZAN	100#			
58	ET					
00	ET	JR 3		4:00	4:15	
	ET			4:15	12:00	

2nd shift work
12:00 - 12:15
1:00 - 8:00

Rig SERV MOTOR SHUT OFF IS.
DIRTY

Rig SERV HYDRA OK
DIRTY 8 3/4 HOLES

100
1000
45
40
924
92
52
39

ADDITIONAL OPERATING DETAIL TO BE PRINTED ON SEPARATE SHEETS

1
4
14
5.2
90
670
40
300

TOUR REPORT

CONTRACTOR *JACOBS DAIRY* WELL NO. *1*

FIELD *Gravel Point* WELL NAME *533C N. Pac* LOCATION *66° 25' NWP 12*

DRILLING DEEPENING COMPLETING REDRILLING ABANDONING REWORKING TOOTH PITCH ENDING *RODILE 10* 1978

DRILLING ASSEMBLY		END OF MORNING TOUR		END OF DAYLIGHT TOUR		END OF AFTERNOON TOUR	
STANDS	O.P. NO	716628	FT	726358	FT	926368	FT
SINGLE	O.P. NO	215151	FT		FT	6302	FT
X OVER SUB	O.P.	802	FT	202	FT	802	FT
OTHER	O.D.		FT		FT		FT
DRILL COLLARS	O.D.		FT		FT		FT
DRILL COLLARS	O.D. NO	12594	FT	12594	FT	12594	FT
REAMER	O.D. KIND	48664	FT	48664	FT	48664	FT
STABILIZER	O.D. KIND		FT		FT		FT
JARS	O.D. KIND		FT		FT		FT
BUMPER SUB	O.D.		FT		FT		FT
B.T. OR CORE BARREL			FT		FT		FT
TOTAL D.P. & TOOLS			FT		FT		FT
KELLY DOWN BELOW R.R.		375	FT	2072	FT	3270	FT
DEPTH OF TOOLS		984800	FT	7100	FT	998000	FT
TOUR		MORNING TOUR		DAYLIGHT TOUR		AFTERNOON TOUR	
DEPTH END OF TOUR		9848	FEET	7100	FEET	9980	FEET
DEPTH START OF TOUR		9796	FEET	6918	FEET	9910	FEET
FOOTAGE DRILLED		52	FEET	62	FEET	70	FEET

GR 1
Gal
Change
GR 2
Gal
High 212H
C.M.C
2 RPM'S H/UM
GR 3
SE
PUSH
PUSH
GR 4
GR 5
GR 6

DAY WORK	TIME												
	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	10:00 AM	11:00 AM	12:00 PM
PUMP	60	60	60	60	60	60	60	60	60	60	60	60	60
ROTARY SPEED	45	45	45	45	45	45	45	45	45	45	45	45	45
WEIGHT ON BIT	35	35	35	35	35	35	35	35	35	35	35	35	35
MUD WEIGHT	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.1	9.1	9.1	9.1	9.1	9.1
VISCOSITY	68	68	73	60	60	60	58	55	50	55	61	77	77
W.L.F.C.	60	60	60	60	60	60	60	60	60	60	60	60	60
pH	9.0	9.0	9.0	9.0	9.0	9.0	9.0	8.5	8.5	8.5	8.5	8.5	8.5
MUD LEVEL IN TANKS													

NO.	SIZE	SERIAL	BIT NUMBER	STR.
4/4	8 3/4	85555	SCMS	Rec'd 2/2/11
				9795
			24 1/2	9980 190

CORE NO.	NO.	TYPE	FROM	TO	REVISION	HOURS
						9.3
						9.0
						60
						30
						18
						24
						200

SIGNATURE	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	<i>B. K...</i>	<i>G. White</i>	<i>F. PEICHERT</i>
DECK HAND	<i>S. ...</i>	<i>M. ...</i>	<i>G. OSMACHENKO</i>
HELPER	<i>P. ...</i>	<i>P. ...</i>	<i>A. KAUS</i>
HELPER	<i>C. ...</i>	<i>P. ...</i>	<i>B. JONES</i>
HELPER	<i>M. G. ...</i>	<i>M. ...</i>	<i>N. PETERSON</i>
REMARKS	<i>...</i>		

Chevron 5030 W M N PARRIN VT D-41

OTHER HOURLY OPERATING DETAIL
WORK DONE

MUD AND CHEMICALS ADDED		From	To
Kind	Am. Lit		
TOUR 1			
8 FT	Gel	2,000	12 ³⁰ 12 ³⁵
2 FT	Chrome	35	12 ³⁵ 12 ⁴⁰
2 FT			12 ⁴⁰ 1 ⁰⁰
TOUR 2			
4 FT	Gel	1600	9 ²⁰ 9 ³⁰
FT	WEL 213H	200	9 ³⁰ 9 ³⁵
FT	C.M.L.	100	9 ³⁵ 9 ⁴⁰
FT	SURFAC Alum	20	
TOUR 3			
FT	GEL	3500	4 ⁰⁰ 4 ¹⁵
FT	WEL 213H	100	4 ¹⁵ 4 ²⁰
FT	WEL 213H	100	
FT	WEL 213H	20	

DALG 8 3/4 Holes
Rig SERU 4 1/2 Rams
WEL 213H
Dalg 8 3/4 Holes

Dalg 8 3/4 Holes
Rig SERU 4 1/2 Rams
Dalg 8 3/4 Holes

CASE D DISCUSSED IN SUPERVISOR'S
OFFICE AT 10:10.

RIG SERU HYDRIL OK.
DALG 8 3/4

EXENDING... THE DETAILS INCLUDING ENGINEERING SUMMARIES

60
1400
45'
35
1.1'
77
70
4
11
60
90
4 1/2
70
700

TOUR REPORT

LABORERS DUE 1

FIELD *Eagle Plains* NO. *100* PARKING TAG NO. *N66* DATE *20* APR 12
 CORE DRILL NO. *8 3/4 983355* WORKING TIME *APRIL 9* 1972

DRILLING ASSEMBLY	END OF MORNING TOUR	END OF DAY TOUR	END OF EVENING TOUR
STANDS	17 907360	17 907360	17 907360
SINGLE	2 6130	2 6130	2 6130
X-OVER SUB	802	802	802
OTHER			
DRILL COLLARS			
DRILL COLLARS	NO 4 12594	25 25	12594
PEAMER	NO 10 48664	48664	48664
STABILIZER			
JARS			
BUMPER SUB			
BIT OR CORE BARREL			
TOTAL D.P. & TOOLS			
KELLY DOWN BELOWS	1265	305	4100
DEPTH OF TOURS			979650

Handwritten notes:
 ...
 ...
 ...

TOUR	MORNING TOUR	DAY TOUR	EVENING TOUR
DEPTH END OF TOUR	9770		9796
DEPTH START OF TOUR	9674		9790
FOOTAGE DRILLED	96	20	6

DAY WORK	APRIL 9 1972						
PUMP	60	60	60	60	60	60	60
ROTARY SPEED (RPM)	48	48	48	48	48	48	48
WEIGHT IN (LBS)	40	40	40	40	40	40	40
MUD WEIGHT (PPG)	90	90	90	90	90	90	90
V. SPEED (FPM)	78	73	69	60	60	68	TRIP
W. P. (LBS)	72	64	62	62	62	62	TRIP
W. (LBS)	80	80	80	85	85	85	TRIP
MUD LEVEL IN TANKS	35						

Handwritten notes:
 ...
 ...

1/8 8 3/4 983355	450	SCMS	Reed	3/4 1 1/2	9790	9796 6	4-3 7
4 8 3/4 983355							100

NAME	POSITION	NAME	POSITION
R. KRAUS	DRILLER	F. REICHERT	DRILLER
T. SCHMIDT	DRILLER	G. OSBORN	DRILLER
B. HOFFMAN	DRILLER	A. KRAUS	DRILLER
C. COOPER	DRILLER	R. JONES	DRILLER
M. ...	DRILLER	N. PEDERSON	DRILLER

Handwritten notes:
 Alcohol Cool
 Ambient Temp
 Returns +26

1972	CHEMICALS ADDED	TIME	TIME
DATE	NAME	START	END
10	Oil	1200	215
30	Oil	215	270
30	Oil	280	800
02	CML	100	
	Change Room	5-4	
94			
04		200	3-5
		2-2	
		1130	1130
		110	110
		115	115
		115	1100
00			
50		400	530
		530	545
		545	800
		800	830
		830	1000
		1000	1030
		1030	1200
1400			
40			
15			

Done 8/4 Hole
 Rig Sec + Box
 Done 8/6 Hole

 Trip Out
 Trip In
 Break Circ & Clean Load @ 4200 + L.
 Trip In, Break Circ @ 7450
 Break Circ & Clean to Fill.
 DRLG.

Trip @ 4790 to change bit
 Hit bridge @ 4150 running in
 Ran on in to bottom - 416 ft.

Alcohol Cooling Unit - 11 rpm
 Ambient Temp +15°F
 Returns +26°F

[Signature]

TOUR REPORT

NARBORS

Location: *Emmerson* No. *66-20-2* U157 1100
 Date: *April 7* 1972

DIRECTION ASSEMBLY	END OF MORNING TOUR		END OF DAY TOUR		TOTAL	
	NO.	TIME	NO.	TIME	NO.	TIME
STANDS	93	869592	171	76	268	81
SINGLE	2	6324				
X COVER SUB		687				81
DRILL COLLARS	64	12594	125		125	24
DRILL COLLARS	64	48664	125	09	426	24
REAMER						
STABILIZER						
JARS						
RUMPER SUB						
BIT OR CORE BARRE						
TOTAL D.P. & T.O.P.						
KEY DOWN SECTIONS		2337		1107		1227
DEPTH OF LOGS		910200		116200		10200
TOUR	MORNING TOUR		DAY TOUR		TOTAL	
DEPTH END OF TOUR		9102		7162		1470
DEPTH START OF TOUR		9332		1072		1020
FOOTAGE DRILLED		70		20		90

*Course
 100000*

DAY WORK

PLAN	REMARKS	TIME	DEPTH	VELOCITY	MUD VELOCITY	VISIBILITY	WELL	TIME	WELL
60	1400	18	40	8.9	78	2	100	3	
1400	18	40	9.0	80	2	100			
1400	18	40	9.0	81	2	100			
1400	18	40	9.0	60	2	100			
1400	18	40	9.0	60	2	100			
1400	18	40	9.0	60	2	100			
1400	18	40	9.0	60	2	100			
1400	18	40	9.0	60	2	100			
1400	18	40	9.0	60	2	100			
1400	18	40	9.0	60	2	100			

*25
 20
 20
 20*

43 8 1/4 CC 202 4-5 5m 4/2 hr 2 9/6 1 1/2 2 1/2

TYPE	NO.	TIME	DEPTH	VELOCITY	MUD VELOCITY	VISIBILITY	WELL	TIME	WELL
1030	3	9	69	32	20	24	100	3	
									5
									17
									5.5
									9.5
									4.5
									60
									300

NAME: *Randy Knapp*
 NAME: *TERRY SWANE*
 NAME: *Mark F. ...*
 NAME: *Carl Collins*
 NAME: *Wes ...*

*100000
 100000
 100000*

TOUR REPORT

CONTRACT NO. 1118 25

1

FIELD EAGLE PLAINS WELL NO. 1165 JO 21 DATE 11-13-79

DRILLING COMPANY BRANDENBURG

DATE 11-13-79 PAGE 5

DRILLING ASSEMBLY		END OF MORNING TOUR		END OF DAY (END OF TOUR)		END OF DAY (END OF TOUR)	
STANDS	DP NO	21	214	8	214	21	214
SINGLE	DP NO		3004		3004		3004
X-OVER W/B			677		677		677
OTHER							
DRILL COLLARS	67		17594		17594		17594
DRILL COLLARS	67		48664		48664		48664
REAMER							
STARTER							
JARS							
BUMPER							
BIT DR. DR. BARREL							
TOTAL DP & NO.							
KELLY DOWN BENCH			1077		1077		1077
DEPTH OF TOOTH			9167		9167		9167
TOUR		MORNING TOUR					
DEPTH END OF TOUR			9167		9167		9167
DEPTH START OF TOUR			1132		1132		1132
FOOTAGE DRILLED			36		36		36

214

214
K. 201
11-13-79
214

A school
9. Ambient
Returns

DAY WORK		11 AM	12 PM
PUMP		60	60
ROTARY SPEED (RPM)		50	55
WEIGHT ON BIT		70	70
MUD WEIGHT		91	91
VISCOSITY		70	70
W. F. C.		6.3262	6.3262
MUD LEVEL IN TANK		3'	3'

42 8 3/4 ON 757 599 7 1/2 1 7/4 12 9 11 7 14

NAME	POSITION	DATE	TIME
J. Brunst	DRILLER	11-13-79	11:00
J. Bussas	DRILLER	11-13-79	11:00
J. Brunst	DRILLER	11-13-79	11:00
J. Brunst	DRILLER	11-13-79	11:00
J. Brunst	DRILLER	11-13-79	11:00

Handwritten signature

TOUR REPORT

WELL: **EAGLE PLAINS** NO. **119-65**
 DEPTH: **20 2** DATE: **APR 3 1972**
 OPERATOR: **DEEPENING** COMPANY: **COMPLETE**
 TYPE: **REDRILLING** SPACING: **NEW WORKING**

April 3 1972

24190 N

DRILLING & SERVICE	END OF MORNING TOUR	END OF DAY TOUR	END OF PERIOD TOUR
STANDS	812981	812981	824107
SINGLE		6314	211
X-OVER SUR	227	687	87
OTHER			
DRILL COLLARS	12594	12594	22
DRILL COLLARS	48664	48664	
REAMER			
STABILIZER			
JARS			
BUMPERS			
BIT FOR CORE BARREL			
TOTAL D.P. & TOOLS	1300	1750	572
KELLS DOWN BE			
DEPTH OF T.O.P.	276200	883000	110300
TOUR	MORNING TOUR	AFTERNOON TOUR	NIGHT TOUR
DEPTH END OF TOUR	8762	8830	1712
DEPTH START OF TOUR	8616	8762	1450
FOOTAGE DRILLED	66	68	20

BEL
 KELZAN
 CHROME A
 DOWIE DE B

Bel
 No 200
 Carr
 Dow
 Co

Down
 5
 2
 2

DAY WORK	1	2	3	4	5	6	7	8	9	10	11	12
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	40	40	40	40	40	40	40	40	40	40	40	40
MUD WEIGHT	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1
VISCONSITY	65	70	75	75							72	65
W. P.	60	60	60	60	60	60	60	60	60	60	60	60
W. P.	75	75	75	75	85	85	85	85	85	85	85	90
MUD LEVEL IN TANKS	3'		23'									

42 8 1/4 DN 757 544 3/2 1/4 2948258

OPERATOR: **J. Brault**
 SUPERVISOR: **J. Barreiros**
 ENGINEER: **F. Jones**
 DRILLER: **R. Brault**
 MUD ENGINEER: **R. Brault**

WELL NO: **119-65**
 DATE: **APR 3 1972**
 TIME: **10:00 AM**

TOUR REPORT

CONTRACTOR **NABORS** WELL NO. **1**

FIELD **EAGLE PLAINS** WELL NAME **N 66° 30' 15" W 137° 13' 01" TWP**

CHEURON 51
MUD CHEMICALS
Kind

DRILLING DEEPENING COMPLETING
 REDRILLING ABANDONING REWORKING FOR 24 HOURS ENDING 12 MIDNIGHT **MAR APRIL 2, 1972**

DRILLING ASSEMBLY	END OF MORNING TOUR	END OF DAYLIGHT TOUR	END OF AFTERNOON TOUR
STANDS D.P. NO	784686 FT	794078 FT	803564 FT
SINGLE D.P. NO	6302 FT	3165 FT	
X-OVER SUB O.D.	687 FT	687 FT	687 FT
OTHER G.D.			
DRILL COLLARS W.D.	12594 FT	12594 FT	12594 FT
DRILL COLLARS W.D. NO KIND	48664 FT	48664 FT	48664 FT
REAMER O.D. KIND			
STABILIZER O.D. KIND			
JARS KIND			
BUMPER SUB			
BIT OR CORE BARREL			
TOTAL D.P. & TOOLS			
KELLY DOWN (BELOW R.B.)	2700 FT	2812 FT	4100 FT
DEPTH OF TOOLS	855800 FT	862000 FT	969600 FT

TOUR
Gal
Kelzan
Chrome
Downside B

TOUR 2
Gal
Kelzan
Chrome Alum.
Caustic

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	8558	8620	8696
DEPTH START OF TOUR	8494	8558	8620
FOOTAGE DRILLED	64	62	76

TOUR 3
Gal
Caustic
Kelzan
Hydrochloric
Caustic

DAY WORK	HOURS				HOURS				HOURS			
	00 AM	400 AM	800 AM	1200 AM	1200 PM	400 PM	800 PM	1200 PM	1200 AM	400 AM	800 AM	1200 AM
PUMP S.P.M. D.S.I.	60/550	60/550	60/550	60/550	60/550	60/550	60/550	60/550	60/550	60/550	60/550	60/550
ROTARY SPEED R.P.M.	50	50	50	50	50	50	50	50	50	50	50	50
WEIGHT ON BIT M.lbs	40	40	40	40	40	40	40	40	40	40	40	40
MUD WEIGHT lb.gal	9.3	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.4
VISCOSITY sec.cst	84	74	74	74	76	81	78	62	62	65	70	84
W.L.F.C. cc. 32nd	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
pH	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0
MUD LEVEL IN TANKS Ft. Ins	3'	3'										

5900 g

NO.	SIZE	SERIAL	BIT KIND AND TYPE	JET SIZES IN INCH	W.P.	W.P.	W.P.	W.P.
42	8 3/4	DN85T	54.1	3/2 1/2	5 1/2	8228	8696	468

CORE No	No	DST No	FROM	TO	DEPTH	RECOVERY
					5'	0.1
					9.2	8
					62	6 1/2
					31	9.0
					20	6 1/2

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	J. Bisault	J. Wynn	G.W. Lloyd
DERRICKMAN	J. Bonner	J. Shank	H. H. T. H.
HELPER	H. Connors	D. K. Schuch	F. Connors
HELPER	H. Pearson	H. Pearson	K. Terry
HELPER	H. Pearson	H. Pearson	
FIREMAN			
TOOL PUSHER	Don W. Wynn		

TOUR REPORT

CONTRACTOR **NABORS** WELL NO. **1**

FIELD **EAGLE PLAINS** WELL NAME **N 66° 30' 15" W 137° 13' 01" TWP**

CHEVRON
MUD CHEMICALS

DRILLING DEEPENING COMPLETING
 REDRILLING ABANDONING REWORKING FOR 24 HOURS ENDING 12 MIDNIGHT **MAR APRIL 2, 1972**

DRILLING ASSEMBLY	END OF MORNING TOUR	END OF DAYLIGHT TOUR	END OF AFTERNOON TOUR
STANDS D.P. NO	784686 FT	794078 FT	803564 FT
SINGLE D.P. NO	6302 FT	3165 FT	
X-OVER SUB O.D.	687 FT	687 FT	687 FT
OTHER G.D.			
DRILL COLLARS W.D.	12594 FT	12594 FT	12594 FT
DRILL COLLARS W.D. NO KIND	48664 FT	48664 FT	48664 FT
REAMER O.D. KIND			
STABILIZER O.D. KIND			
JARS KIND			
BUMPER SUB			
BIT OR CORE BARREL			
TOTAL D.P. & TOOLS			
KELLY DOWN (BELOW R.B.)	2700 FT	2812 FT	4100 FT
DEPTH OF TOOLS	855800 FT	862000 FT	969600 FT

TOUR
Gal
Kelzan
Chrome
Downside B

TOUR 2
Gal
Kelzan
Chrome Alum.
Caustic

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	8558	8620	8696
DEPTH START OF TOUR	8494	8558	8620
FOOTAGE DRILLED	64	62	76

TOUR 3
Gal
Caustic
Kelzan
Downside B
Caustic

DAY WORK	HOURS				HOURS				HOURS			
	00 AM	400 AM	800 AM	1200 AM	1200 PM	400 PM	800 PM	1200 PM	1200 AM	400 AM	800 AM	1200 AM
PUMP S.P.M. D.S.I.	60/550	60/550	60/550	60/550	60/550	60/550	60/550	60/550	60/550	60/550	60/550	60/550
ROTARY SPEED R.P.M.	50	50	50	50	50	50	50	50	50	50	50	50
WEIGHT ON BIT M.lbs	40	40	40	40	40	40	40	40	40	40	40	40
MUD WEIGHT lb.gal	9.3	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.4	9.4
VISCOSITY sec.cst	84	74	74	74	76	81	78	62	62	65	70	84
W.L.F.C. cc. 32nd	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
pH	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0
MUD LEVEL IN TANKS Ft. Ins	3'	3'										

5900 g

NO.	SIZE	SERIAL	BIT KIND AND TYPE	JET SIZES IN INCH	DATE	TIME	REMARKS
42	8 3/4	DN85T	J4.1	3/2 1/2 5/16	8228	8646	468 20H

CORE No	No	DST No	FROM	TO	DEPTH	REMARKS
					5'	AV 0.1
					9.2	8
					62	17
					31	6 1/2
					20	9.0
					22	6 1/2

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	J. Bisault	J. Wynn	G.W. Lloyd
DERRICKMAN	J. Bonner	J. Shank	H. H. T. H.
HELPER	H. Connors	D. K. H. H.	F. Connors
HELPER	H. P. P.	H. P. P.	K. Terry
HELPER	H. P. P.	H. P. P.	
FIREMAN			
TOOL PUSHER			

HEURON S.O.B.C. Wm. N. PARKIN YTD-51

MUD and CHEMICALS ADDED		From	To	OTHER HOURLY OPERATING LEAD WORK DONE	
Kind	Amount				
1972		12 ⁰⁰	12 ¹⁵	RIG SERVO & BOPS.	
14 FT	Gal	12 ¹⁵	8 ⁰⁰	DRILL 8 3/4" HOLE.	
7 FT	Kelzan				
4 FT	Chrom				
4 FT	Dowicide B			crew discuss importance of knowing where shut off valves are on pump lines.	
0 FT	TOUR 2	8 ⁰⁰	9 ³⁰	DRILL 8 3/4" HOLE	
0 FT	Gal	9 ³⁰	9 ⁵⁵	RIG SERVO & BOPS	
0 FT	Kelzan	9 ⁵⁵	1 ⁰⁰	DRILL 8 3/4" HOLE	
0 FT	Chrome Alum	1 ⁰⁰	1 ¹⁵	SURVEY # 8590	
0 FT	Caustic	1 ¹⁵		DRILL 8 3/4" HOLE	
0 FT				DESIGNER & Co. U.F. 9.7	
0 FT				U.F. 9.2	
0 FT				DIS. 3 Q.P.M.	
0 FT				2 gal mixed water & soda	
0 FT	TOUR 3	4 ⁰⁰	5 ⁰⁰	DRILL 8 3/4" HOLE	
0 FT	Gal	5 ⁰⁰	5 ¹⁵	RIG SERVO & BOPS	
0 FT	CAUSTIC	5 ¹⁵	5 ³⁰	DRILL 8 3/4" HOLE	
0 FT	Kelzan	5 ³⁰	5 ⁴⁵		
0 FT	Chrome Alum	5 ⁴⁵	6 ⁰⁰		
0 FT	C.M.C.	6 ⁰⁰	6 ¹⁵	THROW OUT DRILL	

CEMENTING TESTING FINISHING SPECIAL JOB DETAILS INCLUDING ENGINEERING SUMMARIES

Designer: O.F. 9.2. Alcohol cooling unit 5⁰⁰ PM
 U.F. 9.0 - 2 Q.P.M. Ambient Temp +8 Returns +18°F

5900 gal to Power delivered by White Pass

50
 40
 9.4
 84
 6.2
 9.8
 8
 17
 6.72
 9.0
 6.12
 30
 350
 Reading
 1/20

L. F. Gumbly
 SIGNATURE COMPANY ENGINEER

CHEVRON 20.00. am N. PARKIN YTD-61

OTHER HOURLY OPERATING DETAIL WORK DONE

972	MUD CHEMICALS ADDED		From	To
	Kind	Amount		
JR	TOUR 1		12 ⁰⁰	4 ⁰⁰
6 FT	GEL	1200 [#]	4 ⁰⁰	4 ¹⁵
FT	KELZAN	50 [#]	4 ¹⁵	5 ⁰⁰
7 FT			5 ⁰⁰	8 ⁰⁰
FT				
4 FT				
4 FT				
FT	TOUR 2		8 ⁰⁰	8 ¹⁵
FT	GEL	300 [#]	8 ¹⁵	9 ⁰⁰
FT	KELZAN	50 [#]	9 ⁰⁰	4 ⁰⁰
FT				
FT				
9 FT				
0 FT	TOUR 3		4 ⁰⁰	5 ⁰⁰
FEET	GEL	1200 [#]	5 ⁰⁰	5 ¹⁵
FEET	CAUSTIC	50 [#]	5 ¹⁵	1 ⁰⁰
FEET	CMC	100 [#]	1 ⁰⁰	2 ⁴³
FEET	KELZAN	100 [#]	2 ⁴³	12 ⁰⁰
FEET	3000 S.G.M.	20 [#]		

DRILL 7 3/4 HOLE
RIG SERVO ✓ BOPS.
SURVEY @ 8350 - 1 3/4
DRILL 8 1/4 HOLE.

equant sands with valve set up
in manifold block + run to
surface + change choke.

DRILL 8 3/4 HOLE
RIG SERVO ✓ BOPS
DRILL 8 3/4 HOLE

Crew Held BOP Drain

Drill
RIG SERVO ✓ HYDRIL
Drill
SURVEY 8475.00 1 1/2
Drill
CREW DISCUSSED SAFETY WHILE
SPOOKING SAND KINGS

CEMENTING TESTING FINISHING ETC. FOR DETAILS INCLUDING ENGINEERING SUMMARIES

50
40
9.4
105
50
9.0

Desalter O.F. 9.3
O.F. - 9.9 - 2-6.P.M.

Blow out drill: daylight crew.
Kelly in 30 feet
90 seconds to pull Kelly up, shut off pumps & close hydril.
Let Jambly

Reading
1 3/8

TOUR REPORT

CONTRACTOR **NABORS DALG** RIG NO. **1**

FIELD **EAGLE PLAINS** WELL NAME **N66°20'12" ENE W137° SEC 13'01" WP** RIG W

CHEVRON S

[] DRILLING [] DEEPENING [] COMPLETING
 [] REDRILLING [] ABANDONING [] REWORKING FOR 24 HOURS ENDING 12 MIDNIGHT **MARCH 30 1972**

DRILLING ASSEMBLY		END OF MORNING TOUR		END OF DAYLIGHT TOUR		END OF AFTERNOON TOUR	
STANDS	D.P. NO	747477	FT	747477	FT	756779	FT
SINGLE	D.P. NO		FT	6254	FT		FT
X-OVER SUB	O.D.	687	FT	687	FT	687	FT
OTHER	O.D.	12594	FT	12594	FT	12594	FT
DRILL COLLARS	O.D.	48664	FT	48664	FT	48664	FT
DRILL COLLARS	O.D. NO KIND		FT		FT		FT
REAMER	O.D. KIND		FT		FT		FT
STABILIZER	O.D. KIND		FT		FT		FT
JARS	KIND		FT		FT		FT
BUMPER SUB	KIND		FT		FT		FT
BIT OR CORE BARREL			FT		FT		FT
TOTAL D.P. & TOOLS			FT		FT		FT
KELLY DOWN BELOW R.B.		2578	FT	14	FT	2952	FT
DEPTH OF TOOLS		812000	FT	812000	FT	821600	FT
TOUR		MORNING TOUR		DAYLIGHT TOUR		AFTERNOON TOUR	
DEPTH END OF TOUR		8120	FEET	8169	FEET	8216	FEET
DEPTH START OF TOUR		8093	FEET	8120	FEET	8169	FEET
FOOTAGE DRILLED		27	FEET	49	FEET	47	FEET

TOUR
Caustic
CMC

TOUR 2
GEN
CHROME ALUM
Caustic
FELZAN

TOUR 3

DAY WORK	HOURS												
	2:00 AM	4:00 AM	6:00 AM	8:00 AM	10:00 AM	12:00 AM	2:00 PM	4:00 PM	6:00 PM	8:00 PM	10:00 PM	12:00 AM	
PUMP	SP.M. P.S.	1100	1100	1100	1100	60	60	58	58	60	60	60	60
ROTARY SPEED	R.P.M.	50	50	50	50	50	50	50	50	50	50	50	50
WEIGHT ON BIT	M. lbs	35	35	35	35	35	35	35	35	35	35	35	35
MUD WEIGHT	lb gal	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
VISCOSITY	sec qt	120	115	105	105	105	110	105	115	110	110	110	110
W.L.F.C.	cc 32nd					5.2	5.2	5.2	5.2	6.0	6.0	6.0	6.0
p.H.						9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0
MUD LEVEL IN TANKS	FT. INK					2.7	2.7	2.8	2.9				

NO	SIZE	SERIAL	BIT KIND AND TYPE	RECORDED	TOTAL	REMARKS
41	8 1/4	DN757 XV		3-12	412	8093 8120 27 ✓ 8093

CORE	No	No	DST No	FRUIT	TO	RECOVERY
TYPE			PREFLOW	min	FHP	7:00 → 9.2
FROM			F.S.T.	min	FHP	9.3 → 9.25
TO			V.O.	min	FHP	10.5 → 6.2/2
Recovery			F.S.T.	min	FHP	47 → 9.0
HOURS			RECOVERY			29 36

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	F. REICHERT	L. BRIAULT	GW Lloyd
DERRICKMAN	G. DEMACHENKO	J. BARNES	H. HUETANIK
HELPER	A. KAUS	L. BAICH	A. FILIPCHUK
HELPER	N. PEDERSON	N. PARSON	T. SHANK
HELPER	R. FILIPCHUK	R. GREENING	K. FERRY
FIREMAN			
TOOL PUSHER			

Alcohol
Ambient
Returns

TOUR REPORT

CONTRACTOR **NABORS DRILLING** DRILL NO. **1**

FIELD **EAGLE PLAINS** WELL NAME **N66° 20' 12" ESD N137° SEC 13' TWP**

CHEVRON

DRILLING DEEPENING COMPLETING

REDRILLING ABANDONING REWORKING FOR 24 HOURS ENDING 12 MIDNIGHT

MARCH 29

1972

DRILLING ASSEMBLY	END OF MORNING TOUR		END OF DAYLIGHT TOUR		END OF AFTERNOON TOUR													
STANDS D.P.	NO	7380	95	FT	NO	7380	95	FT	NO	7380	95	FT						
SINGLE D.P.	NO	62	30	FT	NO	62	30	FT	NO	62	30	FT						
X OVER SUB O.D.		6	87	FT		6	87	FT		6	87	FT						
OTHER O.D.				FT				FT				FT						
DRILL COLLARS O.D.		1	25	94	FT		1	25	94	FT		1	25	94	FT			
DRILL COLLARS O.D.	NO	4	86	64	FT	NO	4	86	64	FT	NO	4	86	64	FT			
REAMER O.D.	KIND			FT	KIND			FT	KIND			FT						
STABILIZER O.D.	KIND			FT	KIND			FT	KIND			FT						
JARS O.D.	KIND			FT	KIND			FT	KIND			FT						
BUMPER SUB O.D.	KIND			FT	KIND			FT	KIND			FT						
BIT OR CORE BARREL				FT				FT				FT						
TOTAL D.P. & TOOLS				FT				FT				FT						
KELLY DOWN BELOW R.B.		3	0	30	FT		3	0	30	FT		3	0	30	FT			
DEPTH OF TOOLS		8	0	93	60	FT		8	0	93	60	FT		8	0	93	60	FT

TOUR 1
GEL
KELZAN
CHROME PLATE
DOW. OF B
- MC

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	8093	8093	8093
DEPTH START OF TOUR			2093
FOOTAGE DRILLED	0		

TOUR 2
GEL
KELZAN
CHROME PLATE
DOW. OF B

DAY WORK	MORNING TOUR				DAYLIGHT TOUR				AFTERNOON TOUR				
	2:30 AM	4:00 AM	6:00 AM	8:30 AM	10:00 AM	12:00 AM	2:00 PM	4:00 PM	6:00 PM	8:00 PM	10:00 PM	12:00 AM	
PUMP	SP 1800	PLUGGED JET			58 1800					58 1800			
ROTARY SPEED	55				55					55			
WEIGHT ON BIT													
MUD WEIGHT	9.2	9.2	9.2	9.2		9.3	9.3	9.3	9.3				
VISCOSITY	95	105	118	115		100	115	140	180				
WL F.C.	3.2	3.2	3.2	3.2		3.2	3.2	3.2	3.2				
pH	8.5	8.5	8.5	8.5		8.5	8.5	8.5	8.5				
MUD LEVEL IN TANKS						3'							

TOUR 3
Caustic
GEL
KELZAN
DOW. B.

NO.	SIZE	SERIAL	BIT KIND AND TYPE	FT. IN USE	TOOL JOBS	CHUCK	REMARKS
41	8 7/8		XV	3-12	3900	4080	Clean ✓

Reamed
at 5240
Heavy reamed

CORE No	No	DST No	FROM	TO	RECOVERY
TYPE		PREFLOW	mins	FT	7.30
FROM		IS	mins	FT	9.3
TO		VO	mins	FT	12.4
Recovery		F.S.	mins	FT	5.65
HOURS		RECOVERY			3.5

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	F. REICHERT	L. Brault	G. HLOYD
DERRICKMAN	G. OSMACHENKO	L. Baranov	G. OSMACHENKO
HELPER	A. KAUS	L. Brault	G. F. LYNCHUK
HELPER	N. PEDERSON	N. Baranov	T. SHANK
HELPER	K. TERRY	B. Greening	K. TERRY
FIREMAN			
TOOL PUSHER			

8:00
8 AM. A
Ambient
Returns

CHEVRON SOBC Wm N PARKIN YF-D61

OTHER HOURLY OPERATING DETAIL
WORK DONE

1972	MUD & CHEMICALS ADDED	From	To
	Kind	Amount	
0 FT	TOUR 1	1200	800
5 FT	GEL	100#	
0 FT	NEUZAN	150#	
7 FT	CHROME ALUM	20#	
	DONICIDE B	20#	
	MC	5#	
4 FT			
4 FT			
FT	TOUR 2	800	8:5
FT	Gel	3600#	8:5
FT	NEUZAN	150#	4:00
FT	CHROME ALUM	40#	
FT	DONICIDE B	30#	
0 FT			
0 FT	TOUR 3	4:00	8:00
	Caustic	100#	8:00
FEET	GEL	500#	8:5
FEET	NEUZAN	100#	9:00
FEET	Dow. B.	20#	9:15
HOURS		10:30	11:00
1:30 PM		11:40	12:00

CLEAN HOLE & CIRCULATE FROM 3900' TO 4080' KB.

RIG SERV ✓ HYDRIN
REAM FROM 4080' - 4268

Check Division proper use of
Back up procedures.
Beam Bridges from 4268 TO 4449.
Rig SERV ✓ W/2 PAMS.
Remaining.
DOWN 10 STDS.
Rig SERV ✓ W/2 PAMS.
RIG SERV ✓ TO 6322
Beam Bridges @ 6322.

CEMENTING TESTING - SPECIAL JOB DETAILS INCLUDING ENGINEERING SUMMARIES

Reamed sloughed hole from 3900 TO 4300 - pipe dropped through. Bridges at 5240 and 6320 - reamed through 20 to 30 feet. ~~to~~ each bridge. Heavy rounded shale cuttings over shaker after each bridge reamed through.

0.1
1.2
38
5 5/2
80
7
20
250

8:00 Am. Alkyl circulating unit
Ambient Temp 0°F
Returns +18°F.

W. F. Gumbly
SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR **NAGORS DALY**

RIG NO. **1**

FIELD **EAGLE PLAINS** WELL NAME **N66° 20' 12" W 137° SEC 13' TWP**

CHEVRON

DRILLING DEEPENING COMPLETING

REDRILLING ABANDONING REWORKING FOR 24 HOURS ENDING 12 MIDNIGHT **MARCH 28** 1972

DRILLING ASSEMBLY		END OF MORNING TOUR		END OF DAYLIGHT TOUR		END OF AFTERNOON TOUR	
STANDS	D.P.	NO	738095 FT	NO	738095 FT		
SINGLE	D.P.	NO	6230 FT	NO	6230 FT		
X OVER SUB	O.D.		687 FT		687 FT		687 FT
OTHER	O.D.						
DRILL COLLARS	O.D.		12594 FT		12594 FT		12594 FT
DRILL COLLARS	O.D.	NO	48664 FT	NO	48664 FT	NO	48664 FT
REAMER	O.D.	KIND		KIND			
STABILIZER	O.D.	KIND		KIND			
JARS		KIND		KIND			
BUMPER SUB		KIND		KIND			
BIT OR CORE BARREL							

TOUR
GEL
WELZAN

TOTAL DE & TOOLS		MORNING TOUR		DAYLIGHT TOUR		AFTERNOON TOUR	
DEPTH OF TOOLS		8080	00 FT	8093	00 FT		
TOUR							
DEPTH END OF TOUR		8080	FEET	8093	FEET		
DEPTH START OF TOUR		8014	FEET	8080	FEET		
FOOTAGE DRILLED		66	FEET	13	FEET		

	MORNING TOUR				DAYLIGHT TOUR				AFTERNOON TOUR			
	2:00 AM	4:00 AM	6:00 AM	8:00 AM	10:00 AM	12:00 AM	2:00 PM	4:00 PM	6:00 PM	8:00 PM	10:00 PM	12:00 PM
PUMP	60 (500) / 60 (1500) / 60 (1500)											
ROTARY SPEED	55				55				55			
WEIGHT ON BIT	8				8 35 35 35				8 35 35 35			
MUD WEIGHT	9.0				9.0				9.0			
VISCOSITY	68				65 65 67				67			
W/L F.C.	6.8				6.2				6.2			
pH	8.5				8.5				8.5			
MUD LEVEL IN TANKS	3				3				3			

TRIP

Starre
3200
bridge
8 3/4 X

NO.	SIZE	SERIAL	BIT KIND AND TYPE	ESTIMATED TOOLS	ESTIMATED TOOLS	FROM	TO	REV	REMARKS
40	8 3/4	278082	M44N	2 1/4	1 1/4	8002	8093	R60	3-2-1
41	8 3/4	22221	...	3-12		8093			

Reamed
Drilled

CORE	No	No	DST No	FROM	TO	REMARKS
TYPE			PRE FLOW	mins	EST P	10:30
FROM			EST	mins	EST P	91
TO			V.O	mins	EST P	65
Recovery			EST	mins	EST P	35
HOURS			RECOVERY			22

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	F. REICHERT	L. BRIAULT	
DERRICKMAN	R. KENNEDY	J. BARNES	Drop 8093
HELPER	A. KAUS	L. BAICH	
HELPER	N. PEDERSON	N. PARSONS	
HELPER	T. SHANK	R. GREENING	
FIREMAN			
TOOL PUSHER			

Alcohol
Ambient
Returns

TOUR REPORT

CONTRACTOR **NABORS DRILL** PROJ. NO. **1**

FIELD **Engle Plains** WELL NAME **N 66° 20' 12"** T 187° SEC 13" TWP

CHEVRON SO
MUD
HEAVY
K

DRILLING DEEPENING COMPLETING
 REDRILLING ABANDONING REWORKING FOR **1** HOURS ENDING **MARCH 27** 1972

DRILLING ASSEMBLY	END OF MORNING TOUR		END OF DAYLIGHT TOUR		END OF AFTERNOON TOUR	
STANDS	NO	728742 FT	NO	728742 FT	NO	738095 FT
SINGLE	NO	6200 FT	NO	6200 FT	NO	6200 FT
X OVER SUB		767 FT		767 FT		687 FT
OTHER						
DRILL COLLARS		12594 FT		12594 FT		12574 FT
DRILL COLLARS	NO	48169 FT	NO	48169 FT	NO	48664 FT
REAMER	KIND		KIND		KIND	
STABILIZER	KIND		KIND		KIND	
JARS	KIND		KIND		KIND	
BUMPER SUB	KIND		KIND		KIND	
BIT OR CORE BARREL		7275 FT		7275 FT		
TOTAL D.P. & TOOLS						
KELLY DOWN (BELOW R.B.)		1653 FT		2453 FT		1360 FT
DEPTH OF TOOLS		805460 FT		806200 FT		804400 FT

TOUR 1
GEL
CAUSTIC
CMC
TOUR 2
TOUR 3

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	8054 FEET	8062 FEET	8044 FEET
DEPTH START OF TOUR	8024 FEET	8054 FEET	8002 FEET
FOOTAGE DRILLED	30 FEET	8 FEET	12 FEET

	MORNING TOUR				DAYLIGHT TOUR				AFTERNOON TOUR			
	2:00 AM	4:00 AM	6:00 AM	8:00 AM	10:00 AM	12:00 AM	2:00 PM	4:00 PM	6:00 PM	8:00 PM	10:00 PM	12:00 AM
PUMP	SPM 43 700	/			43 700	/			/			
ROTARY SPEED	RPM 75	/			75	/			/			
WEIGHT ON BIT	M lbs 12	/			12	/			/			
MUD WEIGHT	lb gal 9.1	9.1	9.0	9.0	T R				9.1	/		
VISCOSITY	sec qt 75	72	68	70	/				72	/		
WL F.C.	cc 32nd 6.0	/			4.32	/			/			
pH		9.0			/			1.0				
MUD LEVEL IN TANKS	FT INS	/										

Check
Laid
Cut

NO.	SIZE	SERIAL	BIT KIND AND TYP	ET WEN IN FT	TOOL JOBS	NO.	NO.	NO.
39	6 1/16	71A52	◇			8002	8054	82
40	8 3/4	278082	M 44N	3 1/10		8002	8014	12

CORE	No	No	DST No	FROM	TO	RECOVERY	HOURS
TYPE			PRE LOW	min	max	F.S.P.	
FROM			151	min	max	F.S.P.	
TO			V.O.	min	max	F.S.P.	
RECOVERY			F.S.	min	max	F.S.P.	
HOURS			RECOVERY				

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	F. REICHERT	J. Brunett	Gailloyd
DERRICKMAN	R. KENNEDY	J. Parsons	G. OSNICKAU
HELPER	A. KAOS	L. Brich	R. Filizschek
HELPER	N. PEDERSON	N. Parsons	T. SHANK
HELPER	K. TERRELL	R. Greening	K. TERRY
FIREMAN			
TOOL PUSHER			

TOUR REPORT

CONTRACTOR **NABORS**

WELL NO. **1**

FIELD **EAGLE PLAINS** WELL NAME **60° 20' 12" N** **133°** SEC **13'** TWP **W**

DRILLING DEEPENING COMPLETING

REDRILLING ABANDONING REWORKING

DATE **MARCH 26**

1972

DRILLING ASSEMBLY		END OF MORNING TOUR		END OF DAYLIGHT TOUR		END OF AFTERNOON TOUR	
STANDS	D.P.	NO	728662 FT	NO	758662 FT	NO	75912 FT
SINGLE	D.P.	NO	6268 FT	NO	6268 FT	NO	FT
X OVER SUB	O.D.		767 FT		767 FT		267 FT
OTHER	O.D.		FT		FT		FT
DRILL COLLARS	O.D.		12594 FT		12594 FT		2594 FT
DRILL COLLARS	O.D.	NO	48169 FT	NO	48169 FT	NO	48169 FT
REAMER	O.D.	KIND	FT	KIND	FT	KIND	FT
STABILIZER	O.D.	KIND	FT	KIND	FT	KIND	FT
JARS		KIND	FT	KIND	FT	KIND	FT
BUMPER SUB		KIND	FT	KIND	FT	KIND	FT
BIT OR CORE BARREL			FT		7275 FT		7275 FT
TOTAL D.P. & TOOLS			FT		FT		FT
KELLY DOWN BELOW RB			2540 FT	2540 FT			5673 FT
DEPTH OF TOOLS			799000 FT	800240 FT			802400 FT
TOUR		MORNING TOUR		DAYLIGHT TOUR		AFTERNOON TOUR	
DEPTH END OF TOUR		7990	FEET	8002	FEET	8024	FEET
DEPTH START OF TOUR		7924	FEET	7970	FEET	8002	FEET
FOOTAGE DRILLED		66	FEET	12	FEET	22	FEET

TOUR
 Gel
 Wilson
 CHARNE ALAM
 TOUR
 Gel
 Wilson
 chrome from
 surface
 low side B

	HOURS					HOURS				
	2:00 AM	4:00 AM	6:00 AM	8:00 AM	10:00 AM	12:00 PM	2:00 PM	4:00 PM	6:00 PM	8:00 PM
PUMP	60 1500			60 1500	60 1500					43900
ROTARY SPEED	50	55	55	55	55			75	75	75
WEIGHT ON BIT	35	35	35	35	35			12	12	12
MUD WEIGHT	9.0	8.9	9.0	9.0	9.0			9.1	9.1	9.1
VISCOSITY	65	65	60	60	60			65	68	62
W.L.F.C.	6 2/32			6 2/32	6 2			6	6	6
pH					9					
MUD LEVEL IN TANKS					3'					

BIT #3
 Premium
 Dotted
 Alcohol Wash
 Ambient
 Returns

NO.	SIZE	SERIAL	BIT KIND AND TYPE	IF SIZES IN IN.	TOTAL IN IN.	W.C.P.	W.C.P.	W.C.P.	W.C.P.	W.C.P.
38	8 3/4	279082	M 44 N	1 1/11 1/10	15 1/2	7870	7900	120		✓
39AA	6 1/4	71A52	Washed 111		18 1/2		8002	8024	22	3-2-1 running

CORE	No.	No.	DST No.	FRUIT	FRUIT	FRUIT	FRUIT
TYPE			PRE FLOW				
FROM							
TO							
Recovery			F.S.				
HOURS			RECOVERY				

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	F. Ruchert	J. Briault	J. Briault
DERRICKMAN	R. Kennedy	J. Barrons	J. Barrons
HELPER	A. Kaye	J. Buck	J. Buck
HELPER	N. Peterson	N. Parsons	N. Parsons
HELPER	R. Lipschultz	R. Greening	R. Greening
FIREMAN			
TOOL PUSHER			

Chevron 3030 Wm W PARKIN YF D-61

OTHER HOURLY OPERATING DETAIL
WORK DONE

1972	ML	CHEMICALS ADDED	From	To	WORK DONE
TOUR		Amount	1200	1215	RIG SECU. 4 1/2 RAMS OK
62 FT			1215	100	HEAD RATHOLE
FT			100	800	DRAG 8 3/4
67 FT					
FT					
74 FT					
69 FT					
TOUR			8:30	1:15	DRAG 8 3/4 HOLE
75 FT	Sal	1300	7:15	10:00	-IRC BOTTOM HOLE 5000
FT	KERRAN	150	11:15	11:15	UPDR SAVED
FT	CHROME ALUM. 20		11:30	11:30	RIG SECU V 4 1/2 RAMS
75 FT			11:30	2:30	PULL OUT OF HOLE
FT			2:30	3:00	PICK UP SORE BAR
73 FT			3:00	4:00	RUN IN HOLE
60 FT	TOUR		4:00	4:15	Run in
IR	Sal		4:15	5:00	RIG SECU V HYDRIL
FEET	Kerran		5:00	5:15	CLEAN TO BOTTOM & JACOB BALL
FEET	Chrome Alum		5:15	12:00	CUTTING CORE #8
FEET	Acetic				
FEET	Incode 3				

CEMENTING TESTING FISHING SPECIAL JOB DETAILS INCLUDING ENGINEERING SUMMARIES

75
12
4.1
0.5
6.2

BIT # 38 M44K
 Reamed 60 ft 10 hrs
 Drilled 72 ft 8 1/2 hrs

Alcohol Unit
 Ambient +26°F
 Returns +30°F

Cutting Core #8 8007

Signature Company Engineer

TOUR REPORT

CONTRACTOR **NABORS Drilling** JOB NO. **1**

FIELD **EAGLE PLAINS** WELL NAME **N66° 20' 12"**

LSH **W 137°** SEC **13'** TWP

CHEVROLET 500

DRILLING DEEPENING COMPLETING

REDRILLING ABANDONING REWORKING FOR 24 HOURS ENDING 12 MIDNIGHT **MARCH 25**

1972

DRILLING ASSEMBLY		END OF MORNING TOUR		END OF DAYLIGHT TOUR		END OF AFTERNOON TOUR	
STANDS	D.P. NO	719297	FT	719297	FT	719297	FT
SINGLE	D.P. NO	3160	FT	3160	FT		
X OVER SUB	O.D.	767	FT	767	FT		
OTHER	O.D.		FT		FT		
DRILL COLLARS	O.D.	12594	FT	12594	FT	12594	FT
DRILL COLLARS	O.D. NO KIND	48169	FT	48169	FT	48169	FT
REAMER	O.D. KIND		FT		FT		FT
STABILIZER	O.D. KIND		FT		FT		FT
JARS	O.D. KIND		FT		FT		FT
BUMPER SUB	O.D. KIND		FT		FT		FT
BIT OR CORE BARREL		7275	FT		FT		FT
TOTAL D.P. & TOOLS			FT		FT		FT
KELLY DOWN BELOW R.B.S.		1738	FT	403	FT	2610	FT
DEPTH OF TOOLS		793000	FT	7880	FT	712000	FT
TOUR		MORNING TOUR		DAYLIGHT TOUR		AFTERNOON TOUR	
DEPTH END OF TOUR		7930	FEET	7880	FEET	7120	FEET
DEPTH START OF TOUR		7909	FEET	7870	FEET	7100	FEET
FOOTAGE DRILLED		21	FEET	Ream 10	FEET	Ream	FEET

Gal Helran

DAY WORK	HOURS				HOURS				
	2:00 AM	4:00 AM	6:00 AM	8:00 AM	12:00 AM	2:00 PM	4:00 PM	6:00 PM	8:00 PM
PUMP	41/400	41/400			80	60	60	60	60
ROTARY SPEED	75	75			75	75	75	75	75
WEIGHT ON BIT	8	8			8-10	8-10	8-10	8-10	8-10
MUD WEIGHT	9.0	9.0			8.9	8.9	9	9	9
VISCOSITY	14	71			65	65	75	65	10
W.L.F.C.	6.4	7.1			4.2	4.2			
pH	6.7	1.0			9.0	9.0			
MUD LEVEL IN TANKS									

Core
Ream
drill
Ream
Des

NO.	SIZE	SERIAL	BIT KIND AND TYPE	BIT SIZES IN FEET	FEET	FEET	FEET	FEET	FEET
33	6 1/16	91452	◇	1 1/2	7870	7930	60		
38	8 3/4	278082	M 44 N	1 3/4	9 1/4	7870	2114	24	6 Ream

CORE	No	No	DST No	FROM	TO	RECOVERY	HOURS
TYPE			PREFLOW	mins	mins	mins	9
FROM			IS	mins	mins	mins	9.0
TO			VO	mins	mins	mins	6.7
Recovery			FST	mins	mins	mins	8.5
HOURS			RECOVERY				21

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	F. REKHEET	L. Brislet	H. Howard
DERRICKMAN	G. OSNICHENKO	J. Parsons	J. Parsons
HELPER	A. KAUS	L. Baich	R. Filipchuk
HELPER	N. PEDERSON	N. Parsons	T. Howard
HELPER	N. PARSONS	R. Greening	H. Terry
FIREMAN			
TOOL PUSHER	<i>[Signature]</i>		

Alcohol
Ambien
Returns

CHEVRON SOBC Wm N PARMIN YTD 61

OTHER HOURLY OPERATING DETAIL WORK DONE

1972	MLC	CHEMICALS ADDED	From	To
0			1200	345
1	TOUR 1		345	400
2		50 #	400	700
3			700	800
4				
5				
6				
7	TOUR 2		800	815
8			815	830
9			830	1130
10			1130	200
11			200	230
12			230	400
13				
14				
15	TOUR 3		100	5
16			15	200
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
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97				
98				
99				
100				

CUT CORE # 7.
 RIG SERV. Blow Kelly
 TRIP OUT
 RECOVER 60' CORE.

STAND CORE 88' IN DERRICK
 RIG SERV. & BOPS
 WAIT ON ORDERS + BIT
 RUN 10' HOLE
 BREAK CIRCLE CLEAN TO BOTTOM
 BEAM RAT HOLE

RIG SERV. & HYDRIC
 REPAIRING BIT

Hold Blow out with
 ESCAPE SUGGY. OK.

CEMENTING, TESTING, FISHING, ETC. ALL JOB DETAILS INCLUDING ENGINEERING SUMMARIES

Core # 7 : 7870 - 7930 - recovered 60'

Ran in with bit # 38 M44W to ream and
 drill ahead
 Reamed from 7870 to 7924 - 54 feet

Desilter on stream - circulating.

Alcohol Unit
 Ambient +10° F
 Returns +24° F

[Signature]
 SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR **NABORS**

WELL NO. **1**

FIELD **EAGLE PLAINS** WELL NAME **N66° 20' 12" W137° SEC 13' TWP**

DRILLING DEEPENING COMPLETING

REDRILLING ABANDONING REWORKING

DATE **March 24**

1972

DRILLING ASSEMBLY	END OF MORNING TOUR		END OF DAYLIGHT TOUR		END OF AFTERNOON TOUR		
STANDS	D.P.	NO	719297	NO	707839	NO	720277
SINGLE	D.P.	NO	3160	NO	6913	NO	
X OVER SUB	O.D.		767		767		767
OTHER	O.D.						
DRILL COLLARS	O.D.		12594		12594		12594
DRILL COLLARS	O.D.	NO	48169	NO	48169	NO	48169
REAMER	O.D.	KIND		KIND		KIND	
STABILIZER	O.D.	KIND		KIND		KIND	
JARS	O.D.	KIND		KIND		KIND	
BUMPER SUB	O.D.	KIND		KIND		KIND	
BIT OR CORE BARREL							
TOTAL D.P. & TOOLS							
KELLY DOWN BELOW R.B.			3013		2000		2718
DEPTH OF TOOLS			787000		787000		790900

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	7870 FEET		7109
DEPTH START OF TOUR	7832 FEET	7870	7870
FOOTAGE DRILLED	38 FEET		59

DAY WORK	HOURS					HOURS					
	2:00 AM	4:00 AM	6:00 AM	8:00 AM	10:00 AM	12:00 AM	2:00 AM	4:00 AM	6:00 AM	8:00 AM	10:00 AM
PUMP	60 1400	TRIP									
ROTARY SPEED	50	50									
WEIGHT ON BIT	35	35				TRIP					
MUD WEIGHT	7.1	7.1	7.1				9.2	9.2	9.2	9.2	9.2
VISCOSITY	65	62	69				65	67	67	72	72
W.L.F.C.	6.2	6.2	6.2				6.2	6.2	6.2	6.2	6.2
pH	7.0	7.0	9.0				7.5	7.5	7.5	7.5	7.5
MUD LEVEL IN TANKS	3'	3'	2 1/2'								

NO.	SIZE	SERIAL	BIT KIND AND TYPE	LENGTH IN FEET	WEIGHT LBS	DATE	TIME	TIME	TIME
36 RR	8 7/8	342063	S 88	3-11	22	7721	7870	149	
37	6 3/4	11A52	D			774	7870	717	32

CORE	No	No	DST No	FROM	TO	RECOVERY	HOURS
TYPE			PREFLOW	9.1	6.00	1.05	
FROM			FSI	6.7	6.42	17	
TO			VO	35	85		
RECOVERY			FSI	21	6 1/2		
HOURS			RECOVERY	28	200		

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	F. REICHERT	A. Brault	G.W. Lloyd
DERRICKMAN	G. OSMACHENICO	J. Passaro	J. Bagness
HELPER	A. MAUS	L. Baird	J. Fritschner
HELPER	V. PEDERSON	N. Passaro	J. S. H. H.
HELPER		R. Helling	M. TERRY

Alcohol
Ambient
Return

TOUR
GEL

Pipe Table
S. K. H. T. S.

CUTTING

Cherron SIBC W M N PARKIN VT D-61

OTHER HOURLY OPERATING DETAIL
WORK DONE

MUD	CHEMICALS ADDED	From	To
1972		12:00	2:00
1972	TOUR 1	2:00	2:15
7 FT	GET	2:15	5:15
FT		5:15	6:30
7 FT		6:30	6:45
FT		6:45	8:00
4 FT			
9 FT			
FT	TOUR 2	8:00	10:30
FT		10:30	11:15
FT		11:15	11:45
FT		11:45	12:45
FT		12:45	1:15
FT		1:15	3:00
8 FT		3:00	4:00
0 FT	TOUR	4:00	8:00
FEET	GET	8:00	8:15
FEET		8:15	12:00
FEET			
HOURS			
2:30 PM			

DRLG 844
RIG SERV & V 4 1/2 RIMS
DRLG.
CIRC SAMPLE
DROP SURVEY
TRIP OUT

TRIP OUT DOUBLE STRAP
PICK UP CORE BALL.
RUN IN COLLARS
RIG SERV ✓ HYDRAK
SKIP CUT LINE
RUN IN w/ CORE BALL.
BREAK CIRC & RIM TO BOTTOM.

CUTTING CORE #7
RIG SERV ✓ HYDRAK
CORENG.

CHINA DISCUSSED. PLEASE
SEE H. L. D. TOLSON & REPLY WITH
1 GOOD SAMPLE.

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

Pipe Tally 787000
Strap Tally 282197
1.97. NO CCR.

9.2
7.2
6 1/2
9.5

Desilter over flow = 8.9
inlet to Surge = 9.5
out ~~out~~ net 3 gal. per min

Cutting Core # 7 7870 -

6
17
6 1/2
85
6 1/2
200

Reading
2°

Alcohol Unit
Ambient Temp 77° F
Returns 724° F

[Signature]
SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR **NABORS** RIG NO. **1**

FIELD **EAGLE PLAINS** WELL NAME **W 137° 13'**

ESD **N66 SEC 20 TWP 13** R6 W

CHEVRON
MUL. THEMIC

DRILLING DEEPENING COMPLETING
 REDRILLING ABANDONING REWORKING

DATE **MARCH 23 1972**

DRILLING ASSEMBLY	END OF MORNING TOUR		END OF DAYLIGHT TOUR		END OF AFTERNOON TOUR		
STANDS	D.P.	NO	700396	NO	709839	NO	19291
SINGLE	D.P.	NO	0338	NO	3162	NO	
X OVER SUB	O.D.		767		767		767
OTHER	O.D.						
DRILL COLLARS	6 3/4 O.D.		12594		12594		12594
DRILL COLLARS	6 1/4 O.D.	NO	48169	NO	48169	NO	48169
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.			1746		2489		2210
DEPTH OF TOOLS			77000		77700		78320
TOUR	MORNING TOUR		DAYLIGHT TOUR		AFTERNOON TOUR		
DEPTH END OF TOUR			7700		7770		7832
DEPTH START OF TOUR			7680		7700		7770
FOOTAGE DRILLED			19		70		62

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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	10:00 PM
PUMP	60	1400	60	1400			60	1400			
ROTARY SPEED	45	45	45	50	50	50	50	50	50	50	50
WEIGHT ON BIT	8	8	8	35	35	35	35	35	35	35	35
MUD WEIGHT	9.0	13	13	13	12	12	9.1	9.1	9.1	9.1	9.1
VISCOSITY	85	70	71	65	65	70	60	60	60	60	60
W.L.F.C.	6.2	6.2	6.2	6.2	6.2	7.2	7.2	7.2	7.2	7.2	7.2
pH	9.0	10	10	10	10	8.5	8.5	8.5	8.5	8.5	8.5
MUD LEVEL IN TANKS	2.7'									3'8"	

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NO.	SIZE	SERIAL	BIT KIND AND TYPE	SIZE	DATE	TIME	TIME	TIME	TIME	TIME	TIME
3611	9 1/4	34304	588	3-11	514	7721	7721	40	Run		
					10 1/2	7721	7770	89	Run		
					17	7770	7932	151	Run		

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SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	L. Brouil	F. REICHERT	G.W. Hays
DERRICKMAN	H. H. Jatala	G. OSMACHENKO	J. B. JONES
HELPER	T. Pedrazzini	A. KAUS	L. B. JONES
HELPER	G. Phillips	N. PEDERSON	N. PARSONS
HELPER	P. Loughlin		P. STEADMAN
FILEMAN			
TOOL PUSHER			

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CHEVRON S.O.B.C. Wm. N. PARKIN. YTD 61

MUD & CHEMICALS ADDED		From	To	OTHER HOURLY OPERATING DETAIL WORK DONE	
972		1200	1230	RUN IN HOLE	
UR	TOUR 1	1230	1 15	PULL OUT TO CHANGE BIT	
1 FT		1 15	1 33	RIG SEND & HYDRIL	
FT		130	4 00	RUN IN HOLE	
7 FT		4 00	5 15	BREAK CIRC + CLEAN TO BOTTOM	
FT		5 15	8 00	REAM RAT HOLE	
4 FT				Review safety procedures of spinning chain	
9 FT					
FT	TOUR 2				
FT	GEL	1770 #	800	10 30	REAM KATHOLE FROM 7700 TO 7721
FT	KELZAN	300 #	10 30	10 45	RIG SEND 4 1/2 HARRISON
FT	CHROME ALUM	60 #	10 45	14 00	DRILL 8" FROM 7721 TO 7770
FT	DOWIC DC B	40 #			
FT	AMMONIUM NITRATE	50 #			
0 FT					
0 FT	TOUR 3				
FEET	GEL	1400 #	1 15	1 15	RIG SEND & HYDRIL
FEET	KELZAN	100 #	1 15	6 15	DRILL
FEET	CHROME ALUM	20 #	1 15	7 45	CIRC SAMPLE
FEET	CAUSTIC SODA	50 #	1 15	12 00	DRILL
FEET	CMC	50 #			ADD BLEND HOT DRILL

CEMENTING TESTING FISHING SPECIAL JOB DETAILS INCLUDING ENGINEERING SUMMARIES

Desilter overflow 8.9
Underflow 9.5 @ 3 ppm

Mud @ 10 ppm

PV 20 1nit gal 10 WT 9.1 W.L 7.0
YV 22 10 min gal 21 Visc 60 pH 8.5

Alcohol Cooling Unit
Ambient Temp D^oF
Returns +16^oF

Wm. N. Parkin
SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR **NABORS**

REQ NO **1**

CHEVRON

FIELD **EAGLE PLAINS** WELL NAME **W 137° 13' E ND N 66° SEC 20' TWP 12'**

DRILLING DEEPENING COMPLETING

REDRILLING ABANDONING REWORKING FROM 01 HOURS ENDING 02 MINUTE **MARCH 22 1972**

DRILLING ASSEMBLY		END OF MORNING TOUR		END OF DAYLIGHT TOUR		END OF AFTERNOON TOUR	
STANDS	D.P. NO	700	396 FT	700	465 FT	700	465 FT
SINGLE	D.P. NO	31	70 FT			31	01 FT
X OVER SUB	O.D.	7	67 FT	7	67 FT	7	67 FT
OTHER	O.D.						
DRILL COLLARS	O.D.	125	94 FT	125	94 FT	125	94 FT
DRILL COLLARS	O.D. NO KIND	481	69 FT	481	69 FT	481	69 FT
REAMER	O.D. KIND						
STABILIZER	O.D. KIND						
JARS	KIND						
BUMPER SUB	KIND						
BIT OR CORE BARREL				7	83 FT	7	83
TOTAL D.P. & TOOLS							
KELLY DOWN (BELOW R.B.)		27	00 FT	25	73 FT	27	04 FT
DEPTH OF TOOLS		768	100 FT	772	100 FT	768	100 FT
TOUR		MORNING TOUR		DAYLIGHT TOUR		AFTERNOON TOUR	
DEPTH END OF TOUR		768	1 FEET	772	1 FEET		
DEPTH START OF TOUR		766	0 FEET	768	1 FEET	768	1 FEET
FOOTAGE DRILLED		21	FEET	40	FEET		

DAY WORK	HOURS				HOURS				
	2:00 AM	4:00 AM	6:00 AM	8:00 AM	10:00 AM	12:00 PM	2:00 PM	4:00 PM	6:00 PM
PUMP	60	40	41	41	41	41	41	41	41
ROTARY SPEED	60		80	75	75	75			
WEIGHT ON BIT	10		12	12	12	12			
MUD WEIGHT	9.1		12	9.2	9.2	9.2			
VISCOSITY	68	T R I P	18	74	76	74			
W.L.F.C.	6.4		6.3						
pH	9.0		9.1	9.0	9.0				
MUD LEVEL IN TANKS	3'		2'9"	2'9"	2'8"				

NO.	SIZE	SERIAL	BIT KIND AND TYPE	FEET SIZES IN 1/4"	FEET SIZES IN 1/2"	FROM	TO	REMARKS
34	8 3/4	FC991	SUH	3-11	8 3/4	7650	7681	61 PULL
35	6 3/4	71A52	D		6	7681	7721	40

CORE	No	No	DST No	FROM	TO	MUD LOSS	NET LOSS	REMARKS
TYPE			PREFLOW	mins	F.H.P.			
FROM			F.S.I.	mins	F.H.P.			
TO			V.O.	mins	F.H.P.			
Recovery			F.S.I.	mins	F.H.P.			
HOURS			RECOVERY					

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR	ATTN	REMARKS
DRILLER	A. Briault				
DERRICKMAN	H. Huetala	H. BUSINESS		Drop	7681 1°
HELPER	T. Pederson	A. Kaus			
HELPER	B. Phillips	N. Pederson			
HELPER	P. Longhain	W. Pederson	R. GARDNER		
FIREMAN					
COOL PUSHER					

Ream
Drille

Cut Co

Alcohol
Ambient
Returns

CHEVRON S.O.B.C. W.M. N. PARKIN JT D-61

OTHER HOURLY OPERATING DETAIL
WORK DONE

MUD	HEMILLS ADDED	From	To	OTHER HOURLY OPERATING DETAIL WORK DONE
1972		12 ⁰⁰	3 ⁰⁰	REAM RAT HOLE & DRILL DROP SURVEY RIG SEAR V H/DRIIL TRIP OUT PICK UP CORE BBL + JARS RUN IN HOLE.
TOUR	Amount	3 ⁰⁰	3 ¹⁵	
05 FT		3 ¹⁵	3 ³⁰	
01 FT		3 ³⁰	6 ⁰⁰	
07 FT		6 ⁰⁰	7 ⁰⁰	
13 FT		7 ⁰⁰	8 ⁰⁰	
14 FT				RUN IN HOLE RIG SEAR V H/DRIIL BREAK CIRC + CLEAN TO BOTTOM CUT CORE # 6.
19 FT		8 ⁰⁰	9 ⁰⁰	
24 FT		9 ⁰⁰	9 ¹⁵	
29 FT		9 ¹⁵	10 ⁰⁰	
34 FT		10 ⁰⁰	4 ⁰⁰	
39 FT				CUT CORE BLOW KELLY & RIG SEAR TRIP OUT RECOVER CORE SERVICE CORE BBL TRIP IN
TOUR 3		4 ⁰⁰	6 ⁰⁰	
44 FT		6 ⁰⁰	6 ¹⁵	
49 FT		6 ¹⁵	9 ¹⁵	
54 FT		9 ¹⁵	10 ¹⁵	
59 FT		10 ¹⁵	10 ⁴⁵	
64 FT		10 ⁴⁵	12 ⁰⁰	

CEMENTING TESTING FISHING SPECIAL JOB DETAILS INCLUDING ENGINEERING SUMMARIES

Reamed 7620 to 7680

Drilled 7680 to 7681

Cut Core # 6 7681 to 7721 Recovered

Alcohol Circulating Unit
Ambient Temp -4°F
Returns +12°F

L. F. Trumble
SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR **NABORS** WELL NO. **1**

FIELD **LITTLE PLAINS** WELL NAME **N. PARKIN.** TSD **N66°** SEC **20'** TWP **12"**
 [] DRILLING [] DEEPENING [] COMPLETING
 [] REDRILLING [] ABANDONING [] REWORKING [] 24 HOURS ENDING 12 MIDNIGHT **MARCH 21 1972**

CHEURON.

DRILLING ASSEMBLY	END OF MORNING TOUR		END OF DAYLIGHT TOUR		END OF AFTERNOON TOUR	
STANDS D.P. NO.	6910	33	6910	33	7003	96
SINGLE D.P. NO.	3169		6262			
X OVER SUB O.D.	767		767		767	
OTHER O.D.						
DRILL COLLARS 6 3/4 O.D.	125	94	125	94	125	94
DRILL COLLARS 6 1/2 O.D.	481	69	481	69	481	69
REAMER O.D.						
STABILIZER O.D.						
JARS						
BUMPER SUB						
BIT OR CORE BARREL	7483		7483			
TOTAL D.P. & TOOLS						
KELLY DOWN BELOW R.B.	3163		1650		4100	
DEPTH OF TOOLS	7668	00	7680		7660	26

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	7668 FEET	7680 FEET	7660
DEPTH START OF TOUR	7624 FEET	7668 FEET	7620
FOOTAGE DRILLED	44 FEET	12 FEET	40

DAY WORK	HOURS				HOURS				
	2:00 AM	4:00 AM	6:00 AM	8:00 AM	12:00 AM	2:00 PM	4:00 PM	6:00 PM	8:00 PM
PUMP S.D. in P.S.	40	40	40	40	60	60	60	60	60
ROTARY SPEED R.P.M.	75	75	75	75	50	50	50	50	50
WEIGHT ON BIT M. lbs	12	12	12	12	8	8	10	10	10
MUD WEIGHT lb. gal	9.0	9.0	9.1	9.1	9.0	9.0	9.0	9.0	9.0
VISCOSITY sec. qt	70	70	70	70	70	70	70	70	70
W.L.F.C. cc. 32nd	6.2	6.2	6.2	6.2	7.0	7.0	7.0	7.0	7.0
pH	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0
MUD LEVEL IN TANKS Ft. Ins	2'9"	3'	3'10"	3'10"	3'	3'	3'	3'	3'

NO.	SIZE	SERIAL	BIT KIND AND TYPE	BIT SIZES IN. 1/2	TOTAL FEET DRILLED	FRIG.	REMARKS
33R66	7/8	71A52	◇	11	7620-7680	60	
34AR	9/14	FC 931	SMITH SUH	3-11	5'14	7620-7660	40 Run.

CORE No.	No.	OST No.	FRIG.	TO	RECOVERY

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	<i>L. Brisult</i>		<i>J. Lichet</i>
DERRICKMAN	<i>H. Hietala</i>	<i>D. Demachenko</i>	<i>J. Sarnow</i>
HELPER	<i>T. Pedrazzini</i>	<i>A. Klaya</i>	<i>L. Lajch</i>
HELPER	<i>B. Phillips</i>	<i>R. Johnson</i>	<i>A. Johnson</i>
HELPER	<i>P. Longhino</i>	<i>W. Johnson</i>	<i>P. Sweeney</i>
FIREMAN			
TOOL PUSHER			

Sperone
Dominide
Alcohol
Retu
Amis
CORE #5
OUT CO
EQUIP
Mech BASH
6 3/4"

CHEVRON. S.O.B.C. Wm. N. PARKIN YTD-61

1972 HOURS MUR	MUD TOUR	CHEMICALS ADDED		From	To	OTHER HOURLY OPERATING DETAIL WORK DONE
		Type	Amount			
6 FT				12 ⁰⁰	3 ³⁰	CUT CORE #5 RIG SERV ✓ ASDR 11
7 FT				3 ³⁰	3 ⁴⁵	CUT CORE #5
8 FT				3 ⁴⁵	7 ⁰⁰	
9 FT						new discussed legends of poor some keeping.
10 FT	TOUR 2			7 ⁰⁰	10 ⁰⁰	CUT CORE #5.
11 FT				10 ⁰⁰	10 ¹²	RIG SERV ✓ ASDR 11 + BLOW KELLY
12 FT				10 ¹⁵	11 ¹⁵	TRIP OUT WITH CORE.
13 FT				11 ¹⁵	2 ³⁰	RECOVER CORE
14 FT				2 ³⁰	2 ⁴⁵	RIG SERV BIND LAMS OF
15 FT				2 ⁴⁵	4 ⁰⁰	TRIP IN.
16 FT	TOUR 3			4 ⁰⁰	5 ¹⁵	TRIP IN
17 FT	Sperane	50 [#]		5 ¹⁵	6 ¹⁵	BREAK CIRC 90' FROM BOTTOM'S 90 TO BOTTOM
18 FT	Domiside	25 [#]		6 ¹⁵	12 ⁰⁰	REPAIRING POT HOLE.

CEMENTING TESTING FISHING OPERATIONAL DETAILS INCLUDING ENGINEERING SUMMARIES

ALCOHOL CIRCULATION

DESILTER - SHOT DOWN

RETURN + 20°F
 AMBIENT + 3°F

CORE #5 7620 - 7680 RECOVERED - 60'

CUT CORE #5 USING EASTLAND 5 3/4" x 3 1/2" CORE BARREL
 EQUIPPED WITH 6 3/16" x 3 1/2" WESTDRILL BIT SER # 71A 52

MECH BARBH ROSS LARS IN STRING ABOVE CORE BARREL
 6 3/4" ↑

W. N. Parkin
 SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR **NABORS** NO. **1**

FIELD _____ WELL NAME **N. PARKIN** LSD _____ SEC _____ TWP _____ R. _____ W. _____
 [] DRILLING [] DEEPENING [] COMPLETING
 [] REDRILLING [] ABANDONING [] REWORKING FOR 24 HOURS USING NO. 2 V. DRILL

MAR 20 1972

CHEMICALS

DRILLING ASSEMBLY		END OF MORNING TOUR		END OF DAYLIGHT TOUR		END OF AFTERNOON TOUR	
STANDS	D.P. NO.	691033	FT	691033	FT	691033	FT
SINGLE	D.P. NO.	3169	FT	6262	FT		FT
X OVER SUB	O.D.	767	FT	767	FT	767	FT
OTHER	O.D.		FT		FT		FT
DRILL COLLARS	O.D.	12594	FT	12594	FT	12594	FT
DRILL COLLARS	O.D. NO.	48169	FT	48169	FT	48169	FT
REAMER	O.D. KIND		FT		FT		FT
STABILIZER	O.D. KIND		FT		FT		FT
JARS	KIND		FT		FT		FT
BUMPER SUB	KIND		FT		FT		FT
BIT OR CORE BARREL			FT		FT	7483	FT
TOTAL D.P. & TOOLS			FT		FT		FT
KELLY DOWN BELOW H.R.		3747	FT	2748	FT	1777	FT
DEPTH OF TOOLS		7597	FT	762000	FT	762400	FT
TOUR		MORNING TOUR		DAYLIGHT TOUR		AFTERNOON TOUR	
DEPTH END OF TOUR		7597	FEET	7620	FEET	7624	FEET
DEPTH START OF TOUR		7500	FEET	7597	FEET	7620	FEET
FOOTAGE DRILLED	REAM BAR HOLE	37	FEET	23	FEET	4	FEET

CMC
GEL

GEL

DAY WORK	HOURS								
	2:00 AM	4:00 AM	6:00 AM	8:00 AM	10:00 AM	12:00 AM	2:00 PM	4:00 PM	6:00 PM
PUMP	SP.M. P.S. 6'1400	-	6'1400	6'1400	6'1400	6'1400			40 750 40 750
ROTARY SPEED	R.P.M. 50	-	45	45	45				60 75
WEIGHT ON BIT	M. lbs. 8000	-	8	8	8				8 10
MUD WEIGHT	lb. gal. 9.0	-	9.0	9.0	9.1	9.1	1.1		
VISCOSITY	sec. qt. 75	-	71	70	65	60	60		
W.L.F.C.	cc. 32nd 6.8	-	6.8	6.8	6.8	6.8	6.8		
p.H.	9.0	-	9.0	9.0	9.0	9.0	1.0		
MUD LEVEL IN TANKS	Ft. Ins. 3'	-	3'	2'8"	2'6"	2.6	2.6		

ALCONOC

NO.	SIZE	SERIAL	BIT KIND AND TYPE	JET SIZES IN 1/32"	TOTAL GALLONS PER MIN.	FEET	FEET	FEET	FEET
32.8 3/4	FC931		SUN	3-11	10	7560	7620	60	111
33RR	6 3/16	71ASZ	◇		1 1/4	7620	7624	4	Run

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

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	<i>T. Briault</i>		<i>F. PECHENT</i>
DERRICKMAN	<i>H. Hietala</i>	<i>G. OSMACENKO</i>	<i>J. BARNES</i> 7620 1 1/2
HELPER	<i>T. Pedrossini</i>	<i>A. KAUS</i>	<i>L. BAICH</i>
HELPER	<i>B. Phillips</i>	<i>N. PEDERSON</i>	<i>N. PARSONS</i>
HELPER	<i>P. Loughlin</i>	<i>W. PEDERSON</i>	<i>R. GREENING</i>
FIREMAN			
TANK PUSHER			

CHEVRON 8030 W/M N PARKIN 4T D-61

OTHER HOURLY OPERATING / ETAN WORK DONE

TIME	MATERIALS ADDED	From	To	WORK DONE
1972		12:40	12:30	
33 FT	CMC 50#	12:34	12:43	FINISH TRIP IN
FT	GEL 400#	12:45	1:12	RIG SERU & HYDRIC
7 FT		1:12	8:00	BREAK CIRC & CLEAN TO BOTTOM.
FT				REAM RAT HOLE.
94 FT				
99 FT				
FT	TOUR	8:00	8:15	Crew discuss ^{disturbances} of gauges on
FT	GE	8:15	8:30	slowing equipment
FT	ALL	8:30	11:45	REAM RAT HOLE
FT	STR	11:45	2:45	RIG SERU & HYDRIC
33 FT		2:45	3:00	REAM RAT HOLE.
FT		3:00	4:00	CIRC.
77 FT				DRIP SURVEY
00 FT	TOUR			TRIP OUT
FEET		4:00	6:30	
FEET		6:30	7:15	TRIP OUT
FEET		7:15	7:30	PICK UP CORE BARREL & JAKS
FEET		7:30	10:00	RIG SERU. BEING PAID OK
FEET		10:00	10:41	TRIP IN W/ BARREL
FEET		10:45	12:00	BREAK CIRC & CLEAN TO BOTTOM
FEET				CUT CORE #5.

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

ALCOHOL CIRC RETURN + 20%
 AMBIENT + 8%

Mark B. [Signature]

SIGNATURE COMPANY ENGINEER

1/30

TOUR REPORT

CONTRACTOR **NABORS**

WELL NO. **1**

FIELD **EAGLE PLAINS** WELL NAME **N-66° 20' 12" W 137 SEC 13 TWP**

[] DRILLING [] DEEPENING [] COMPLETING
 [] REDRILLING [] ABANDONING [] REWORKING

DATE **MARCH 19 1977**

CHEVRON
 CHEMICALS

DRILLING ASSEMBLY		END OF MORNING TOUR		END OF DAYLIGHT TOUR		END OF AFTERNOON TOUR	
STANDS	D.P. NO	6820	58	6820	58	6910	
SINGLE	D.P. NO			31	86		
X-OVER SUB	U.D.		767		767		767
OTHER	O.D.						
DRILL COLLARS	O.D.		12594		12594		12594
DRILL COLLARS	O.D.		48169		48169		48169
REAMER	O.D.						
STABILIZER	O.D.						
JARS							
BUMPER SUB							
BIT OR CORE BARREL			7383		7383		
TOTAL D.P. & TOOLS							
KELLY DOWN (BELOW R.B.)			2194		1775		3337
DEPTH OF TOOLS			75720		76200		75600

ALIZAN
CHROME ALAM
CMC
GEL

ALIZAN
CHROME ALAM
AUSTIC
GEL
DOM. SIDE B

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	7592 FEET	7620 FEET	7860 FEET
DEPTH START OF TOUR	7560 FEET	7592 FEET	7860 FEET
FOOTAGE DRILLED	32 FEET	28 FEET	0 FEET

DAY WORK	MORNING TOUR				DAYLIGHT TOUR				AFTERNOON TOUR			
	2:30 AM	4:00 AM	5:30 AM	7:00 AM	7:30 AM	9:00 AM	10:30 AM	12:00 AM	1:30 PM	3:00 PM	4:30 PM	6:00 PM
PUMP		4# 850		4# 850								
ROTARY SPEED												
WEIGHT ON BIT		12M		12M								
MUD WEIGHT		9.1		9.1	9.1	9.1						
VISCOSITY		80		80	80	65						
W.L.F.C.		6.2		6.2	6.2	2						
pH		7.0		7.0	9.0	7.3						
MUD LEVEL IN TANKS		2.9"		2.8"		2.10						

TRIP

ALCOHOL CIR
 RETURN +
 AMBIENT +

CORE #4
 CORE
 CORN
 BIT #
 CORE

NO	SIZE	SERIAL	BIT	NO	DATE	TIME	STATUS
3	1 1/2"	71A52	WESTRILL		10/6	7500	7620 60 60 GOOD
32	8 1/4"	FC931	SUH		3-11		

CURE	NO	NO	DATE	TIME	REMARKS

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	<i>L. Briault</i>	<i>J. Bickert</i>	
DEWELPER	<i>H. Hentala</i>	<i>G. Domacko</i>	<i>J. Bourgeois</i>
HELPER	<i>J. Pedrazzini</i>	<i>A. Kous</i>	<i>L. Bouch</i>
HELPER	<i>B. Phillips</i>	<i>N. Pederson</i>	<i>N. Parsons</i>
HELPER	<i>P. Longlin</i>	<i>W. Pederson</i>	<i>B. Croening</i>
FIREMAN			
TRAIL PUSHER			

CHEVRON 5080. Wm. N. PARKIN JTD-61

1077
7 FT
4 FT
9 FT
7 FT
0 FT
7 FT
0 FT
7 FT
0 FT
7 FT
0 FT

MATERIALS CHEMICALS ADDED		From	To
Kind	Amount		
TOUR 1		1200	100
		100	115
HEIZAN	100	115	145
CHROME ALAM	-20	145	215
CMC	50	215	
GEL	600		
TOUR 2		945	1230
KE-29W	100	1230	1245
CHROME ALAM	20	1245	245
AUSTIC	20	245	345
GEL	14	345	400
DOMICIDE B	20		
TOUR 3		400	500
		500	630
		630	645
		645	845
		845	945
		945	1200

OTHER HOURLY OPERATING DETAIL WORK DONE

TRIP IN w/ CORE BAR
BIG SERV & REPAIR
BREAK CIR 70' OF BOTTOM
KEA MTO BOTTOM
DROP BAR & CUT CORE #4

Crew discussed importance of
proper work up lines on trip
CUT CORE #4

PROV HULL & BIG SERV.
TRIP OUT w/ CORE #4
REPAIR BACKEL AIR LINE IN DRAWWORKS
TRIP OUT

TRIP OUT
RECOVER 60' CORE
BIG SERV BLIND HOOPS OK
REPAIR HIGH CHAIN
SLIP & CUT 60' DALL'S LINE
TRIP IN

CEMENTING, TESTING, CLEANING, SPECIAL OR DETAIL INCLUDING ENGINEERING DRAWINGS

D. 9.1 9.7 - 4 GRM.

ALCOHOL CIRCULATION

RETURN +15°F
AMBIENT +4°F

CORE #4 CUT CORE #4 7560 - 7620 USING EASTLAND TESTIG
CORE BARREL AND BIT WESTDRILL # 71A52 6 3/16 x 3 1/2"
CORING TIME 10 1/4 HOURS FOR 60 FT
BIT # 71A52 IS BIT # 3RR USED TO CORE ON SURFACE HOLE
CORE RECOVERY - 60 FT

Wm. N. Parkin
SIGNATURE COMPANY ENGINEER

CHEVRON S.O.B.C. Wm. N. PARKIN ST 2-61

HOURS	MUD	CHEMICALS ADDED	Time		OTHER HOURLY OPERATING ITEM WORK DONE
			From	To	
19 72			12 ⁰⁰	3 ³⁰	DRIG 8 3/4 HOLE. SURVEY @ 7507 - 2° RIG SERV V H/DRIK. DRIG 8 3/4 HOLE.
08 FT	TOUR		3 ³⁰	4 ⁰⁰	
FT			4 ³⁰	4 ¹²	
7 FT			4 ¹²	8 ⁰⁰	
14 FT					
19 FT					
20 FT	TOUR		8 ⁰⁰	11 ⁰⁰	DRIG 8 3/4 HOLE. C.I.A.C. SAMPLE @ 7501 AND CONDITION MUD. DROOP SURVEY TAIROUT DOUBLE STRAP PIPE RIG SERV BLIND RAMS OK. PICK UP CORE BARREL & JARS TRIP IN W/ CORE BARREL.
FT	GEL	600 #	11 ⁰⁰	11⁰⁰	
FT	KELGAN KC	100 #		2 ³⁰	
FT	CAUSTIC	50 #	2 ³⁰	2 ⁴⁵	
FT			2 ⁴⁵	7 ⁰⁰	
FT			7 ⁰⁰	7 ¹⁵	
FT			7 ¹⁵	10 ⁰⁰	
00 FT	TOUR		10 ⁰⁰	12 ⁰⁰	

CEMENTING, TREATING, ETC. SEE ALSO FOR DETAILS INCLUDING ENGINEERING SUMMARIES

Desicter - O.F. 9.0
U.F. 9.7 4.0 P.M.

DESICTEE OPERATING AGAIN AT 3:00 AM 3/18/72

SLM - 7559.63 @ Core Pt.

BOARD - 7564.71

DIFF 5.08 FT Core Made

EASTLANDS CORE MAN ON LOCATION TODAY 3/18/72

Wm. N. Parkin
SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR **NABORS** RIG NO. **1**

FIELD **EAGLE PLAINS** WELL NAME **YT D-61**

USD SEC TWP R4E W

CHEVRON
MUD FRAME

DRILLING DEEPENING COMPLETING
 REDRILLING ABANDONING REWORKING

DATE OF REPORT **MARCH 17** 1972

DRILLING ASSEMBLY		END OF MORNING TOUR		END OF DAYLIGHT TOUR		END OF AFTERNOON TOUR	
STANDS	D.P. NO	672607	FT	672607	FT	682058	FT
SINGLE	D.P. NO		FT	6305	FT		FT
X OVER SUB	O.D.	767	FT	767	FT	767	FT
OTHER	O.D.		FT		FT		FT
DRILL COLLARS	O.D.	12594	FT	12594	FT	12594	FT
DRILL COLLARS	O.D. NO KIND	48169	FT	48169	FT	48169	FT
REAMER	O.D. KIND		FT		FT		FT
STABILIZER	O.D. KIND		FT		FT		FT
JARS	O.D. KIND		FT		FT		FT
BUMPER SUB	O.D. KIND		FT		FT		FT
BIT OR CORE BARREL			FT		FT		FT
TOTAL D.P. & TOOLS			FT		FT		FT
KELLY DOWN (BELOW R B)		1246	FT	4100	FT	4100	FT
DEPTH OF TOOLS		7353	FT	7413	FT	7476	FT
TOUR		MORNING TOUR		DAYLIGHT TOUR		AFTERNOON TOUR	
DEPTH END OF TOUR		7353	FEET	7413	FEET	7476	FEET
DEPTH START OF TOUR		7327	FEET	7353	FEET	7413	FEET
FOOTAGE DRILLED		26	FEET	40	FEET	63	FEET

DAY WORK	HOURS											
	2:00 AM	4:00 AM	6:00 AM	8:00 AM	10:00 AM	12:00 AM	2:00 PM	4:00 PM	6:00 PM	8:00 PM	10:00 PM	12:00 AM
PUMP	6:00	6:00	6:00	6:00	6:00	6:00	6:00	6:00	6:00	6:00	6:00	6:00
ROTARY SPEED	52	52	52	52	52	52	52	52	52	52	52	52
WEIGHT ON BIT	30	30	30	30	30	30	30	32	32	32	32	32
MUD WEIGHT	9.0	9.0	9.1	9.2	9.2	9.2	9.2					
VISCOSITY	80	80	76	74	78	72						
W.L.F.C.	6.8	6.8	6.8	6.8	6.8	6.8	6.8					
pH	7.0	9.0	9.0	9.0	9.0	9.0						
MUD LEVEL IN TANKS	3.0	3.0										

NO.	SIZE	SERIAL	BIT KIND	AGE	TYPE	FEET	IN	TOOK	TOOK	TOOK
30	8 3/4	343063	588	3/11	4 1/4	2327	7953	26		Run
					11	7327	7413	86		Run
					18 1/4	7327	7476	149		Run

CORE No.	No.	DIST. No.	PREL. FLOW	RECOVERY	RECOVERY
			650	7	21
			9.1	73	6.5
			35	35	8.5
			20	20	6%
			30	30	40
					300

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	<i>L. Beckett</i>		<i>F. BECKETT</i>
DERRICKSMAN	<i>H. Hatala</i>	<i>G. OSMACHENKO</i>	<i>J. BARNES</i> LINE 7413 20
HELPER	<i>L. Baich</i>	<i>T. PEDRAZZINI</i>	<i>A. KAUS</i>
HELPER	<i>N. Parson</i>	<i>B. PHILLIPS</i>	<i>N. PEDERSON</i>
HELPER	<i>R. Greening</i>	<i>D. LOUGHLIN</i>	<i>W. PEDERSON</i>
FIREMAN			
TOOL PUSHER	<i>F. [Signature]</i>		

TOUR

TOUR

SLIM

Will

ALCOHOL

JESIE

CHEVRON SOBC. Wm. N. PARKIN - JTD-61

1972 HOUR FEET	MUD CHEMICALS ADDED		From	To	OTHER SUPPLY OPERATING DETAIL WORK DONE
	Amount				
8 FT			1200	130	RUN IN HOLE
			130	200	FILL PIPE MUD TANKS FULL.
			200	215	RUN IN HOLE
			215	300	BREAK CIRC 15% OF BOTTOM & BEAM 10' FILL
7 FT			300	600	DRAG 8 3/4 HOLE.
			600	615	RIG SERV & HYDRIL
			615	645	DRAG 8 3/4 HOLE
4 FT			645	712	CHANGE PACKING #2 PUMP.
9 FT			712	800	DRAG 8 3/4 HOLE.
			800	930	DRAG 8 3/4 HOLE.
	TOUR		930	1000	WORK ON #2 PUMP.
	Ammoniate 50#		1000	1115	DRAG 8 3/4 HOLE.
			1115	1130	RIG SERV & HYDRIL SERV SWIVEL
			1130	300	DRAG 8 3/4 HOLE.
			300	400	Survey @ 7413 2°
00 FT					
8 FT			400	415	Rig Serv 4 1/2 Gams OK
			415	1200	DRAG 8 1/4

CEMENTING TESTING DESIGN DETAIL OF DETAILS INCLUDING ENGINEERING SUMMARIES

SLIM MEASURE @ 7327

SLIM - 7302.85
 BOARD - 7309.96
 DIFF 7.11

NO CORRECTION.

WILL MEASURE NEXT TRIP AND CORRECT.

ALCOHOL IN - 89F
 OUT - 0F

DESILTER - SHUT OFF

Wm. N. Parkin
 SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR **NABORS** RIG NO **1**

FIELD **Eagle Plains** WELL NAME **JF-61**

DRILLING DEEPENING COMPLETING

REDRILLING ABANDONING REWORKING

FOR 24 HOURS ENDING 2 MIDNIGHT **MARCH 16 1972**

DRILLING ASSEMBLY	END OF MORNING TOUR		END OF DAYLIGHT TOUR		END OF AFTERNOON TOUR	
STANDS	NO	6631 40 FT	NO	6631 40 FT	NO	6694 66 FT
SINGLE	NO		NO	31 65 FT	NO	
X OVER SUB		7 67 FT		7 67 FT		7 67 FT
OTHER						
DRILL COLLARS		1 25 74 FT		1 25 74 FT		1 25 94 FT
DRILL COLLARS	NO	4 81 69 FT	NO	4 81 69 FT	NO	4 81 69 FT
REAMER	KIND		KIND		KIND	
STABILIZER	KIND		KIND		KIND	
JARS	KIND		KIND		KIND	
BLIMPER SUB	KIND		KIND		KIND	
BIT OR CORE BARREL						
TOTAL D.P. & TOOLS						
KELLY DOWN (BELOW R.B.)		31 50 FT		36 65 FT		19 04 FT
DEPTH OF TOOLS		7 2 75 FT		7 31 500 FT		7 32 700 FT

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	7 2 75 FEET	7 31 5 FEET	7 32 7 FEET
DEPTH START OF TOUR	7 2 25 FEET	7 27 5 FEET	7 31 5 FEET
FOOTAGE DRILLED	50 FEET	40 FEET	12 FEET

	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
PUMP	60	60	60	60	60	60	60	60	60	60
ROTARY SPEED	52	52	52	52	52	52	52	52	52	52
WEIGHT ON BIT	50	30	30	30	30	30	30	30	30	30
MUD WEIGHT	9.1	9.0	9.1	9.1	9.1	9.2	9.2	9.2	9.2	9.2
VISCOSITY	70	68	64	75	74	66	64	76	74	74
W.L.F.C.	6.2	2 6.2	2 6.2	2 6.2	2 6.2	2 6.2	2 6.2	2 6.2	2 6.2	2 6.2
pH	9.5	-	-	9.0	9.0	9.0	9.0	9.0	9.0	1.0
MUD LEVEL IN TANKS	FT IN									

NO.	SIZE	SERIAL	BIT KIND AND TYPE	WELDED	WELDED	WELDED	WELDED	WELDED	WELDED	WELDED
	8 3/4	340216	M 88	3/11	57 3/4	6853	7275	422	7.28	Rud
29	8 3/4	340216	M 88	3/11	66 3/4	6853	7327	474	7.1	2-6-1
30	8 3/4	343063	S 88	3/11						IN

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	G W LLOYD		F. REICHERT
DERRICKMAN	H. HIE TALA		G. OSMACHENKO LINE 7284
HELPER	R. Filipchuk		A. KAUS DROPPED 7327
HELPER	A. KAUS	B. WILLIAMS	
HELPER		P. LOUGHLIN	
FIREMAN			
TOOL RISH			

TOUR
SEL
0.1 W. SE 8

TOUR
SEL
1.5 W. 1 AC
2.5 W. 9 LUM

TOUR

ALCOHOL

DRILLS

RPM AN

W/ INCRE

DEVIATIO

STEADY

BIT #2B

CHEVRON ~~SOBC~~ SOBC W/M N PAPPING. 4T D-61

OTHER HOURLY OPERATING DETAIL
WORK DONE

1972	MUD	CHEMICALS	ADDED	From	To
00			Amount	12 00	2 15
01	TOUR			2 15	2 30
02				2 30	6 15
03				6 15	2 30
04				7 30	2 00
05					
06					
07					
08					
09	TOUR			2 00	11 45
10				11 45	12 00
11				12 00	12 30
12				12 30	4 00
13					
14					
15					
16					
17					
18	TOUR			4 00	6 00
19	GEL	2600#		6 00	6 15
20	KELZAN	300#		6 15	6 45
21	CMC	100#		6 45	10 30
22	CAUSTIC	100#		10 30	11 00
23	WAXINE 90 AM	60#		11 00	12 00
24	DOWLINGE 'B	20#			

DRLY.
RIG SERV V. 1 1/2 DRIL
DRLY.
SURVEY @ 7125 2 3/4°
DRLY.
CREW DISCUSSED SAFETY WHILE
WORKING ON PUMPS.
DRLY.
RIG SERV KELLY VALVE OK
SURVEY @ 7159 3°
DRLY 8 3/4
DRLY 8 3/4
RIG SERV. 4 1/2 RANIS OK
SURVEY @ 7189 2 3/4°
DRLY 8 3/4
SURVEY @ 7220 3°
DRLY 8 3/4

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

ALCONY CIRC AMOUNT - ~~129~~ - 129
RETURN - + 59 =

SURVEY 4125 - 2 3/4° - SLACKED OFF BIT WT FROM 40M
TO 35M.

[Signature]
SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR *Nabors* WELL NO. *1*
 FIELD *Eagle Plains* WELL NAME *N 66° 20' 12" ESD W 137° SEC 13' TWP* DATE *Mar 13 1972*

DRILLING ASSEMBLY	END OF MORNING TOUR			END OF DAYLIGHT TOUR			END OF AFTERNOON TOUR		
STANDS	NO	616177	FT	NO	616177	FT	NO	625330	FT
SINGLE	NO	6008	FT	NO	6008	FT			FT
X OVER SUB		587	FT		587	FT		587	FT
OTHER			FT			FT			FT
DRILL COLLARS		12594	FT		12594	FT		12594	FT
DRILL COLLARS	NO	48169	FT	NO	48169	FT	NO	48169	FT
REAMER	KIND		FT	KIND		FT	KIND		FT
STABILIZER	KIND		FT	KIND		FT	KIND		FT
JARS	KIND		FT	KIND		FT	KIND		FT
BUMPER SUB	KIND		FT	KIND		FT	KIND		FT
BIT OR CORE BARREL			FT			FT			FT
TOTAL D.P. & TOOLS			FT			FT			FT
KELLY DOWN (BELOW R.B.)		1765	FT		1765	FT			FT
DEPTH OF TOOLS		685300	FT		685300	FT		1520	FT

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	6853 FEET	6853 FEET	6882
DEPTH START OF TOUR			6853
FOOTAGE DRILLED			29

DAY WORK	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							65	60	60	60
ROTARY SPEED							1100	1400	1400	1400
WEIGHT ON BIT							45	40	40	40
MUD WEIGHT							40	40	43	43
VISCOSITY							9.1	9.1	9.1	9.1
WL F C							58	61	62	59
d H							9.0			9.0

NO.	SIZE	SERIAL	BIT KIND AND TYPE	TOUR	DEPTH	TOUR	DEPTH
29	8 3/4	340216	Sec M 88	3-11	6 1/4	6853	6882

CORE NO.	NO.	DST NO.	TYPE	FROM	TO	RECOVERY	HOURS

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	<i>G. LLOYD</i>		<i>F. REICHELT</i>
FIREMAN	<i>H. HIETALA</i>		<i>G. OSMACHENKO</i> LINE 6853 1/2°
HELPER	<i>R. FILIPCHUK</i>	<i>T. PEDRAZZINI</i>	<i>A. KAUS</i>
HELPER	<i>L. CURLETT</i>	<i>P. LOUGHLIN</i>	<i>T. PEDRAZZINI</i>
HELPER	<i>T. SHANK</i>		<i>B. PHILLIPS</i>
TOOL PUSHER			

Che

Pressure 1000 psi Held 2 1/2 hrs Pre

Alcohol Ambient Returns

Chevron 5013C W/M N PARKIN YF 12-61

ML 1972	CHEMICALS ADDED		From	To	OTHER HOURLY OPERATING DETAIL WORK DONE
	Kind	Amount			
0	TOL		1200	800	WORK ON FLOW DIPPLE & PRESSURE TEST LOGS
0	FT				
7	FT				
4	FT				
9	FT				
0	TOL		800	900	PRESSURE TEST LOGS
	FT		900	915	RIG SERV. U BLIND PADS
	FT		915	1015	RUN IN DRILL COLLARS & 5 STANDS PIPE
	FT		1015	1115	CHANGE SWIVEL PACKING.
	FT		1115	145	THAW HELLY HOSE
	FT		145	345	TRIP IN
	FT		345	400	BREAK CIRC.
0	TOL		400	500	CLEAN TO BOTTOM
	FEET		500	515	RIG SERV. HYDRA OK.
	FEET		515	1000	DELAY.
	FEET		1000	1030	SURVEY @ 6853
	FEET		1030	1200	DELAY.

CEMENTING TESTING RECORDS FOR DETAILS INCLUDING ENGINEERING COMMENTS

40 Pressure Test Hydrul, control valves and manifold to
 43 1000 psi using casing bowl test plug
 9.1 Held pressure on Hydrul and manifold valves for 15 min
 59 29" bleed off. Hydrul & valves O.K.
 9.0 Pressure Test & stabilizing valve to 1000 psi - hold O.K.

1/2°
 Alcohol cooling unit
 Ambient Temp. -10°F
 Returns +7°F

L. J. Gumbly
 SIGNATURE COMPANY ENGINEER

TOUR REPORT

FIELD EAGLE DRILLS WELL NAME 31-27-61

CONTRACTOR HARBOR 81
 LSD N66°20'12" W137°13'

FOR DRILLING DEEPENING OR REPAIRING
 REDRILL NO. ABANDONING FOR WORKING FOR REPAIR FOR TESTING 74-20 12 19-2

DPHLING ASSEMBLY		END OF MORNING TOUR		END OF DAYLIGHT TOUR		END OF AFTERNOON TOUR	
STANDS	D.P. NO.	6161	77	6161	77	6161	77
SINGLE	D.P. NO.			2983		6008	
X OVER SUB	D.P.		587	297		587	
OTHER	D.P.						
DRILL COLLARS	D.P.		12594	12594		12594	
DRILL COLLAHS	D.P. NO.	471	67	471	67	481	67
REAMER	D.P.						
STABILIZER	D.P.						
JARS	D.P.						
BUMPER SUB	D.P.						
BIT OR CORE BARREL	D.P.						
TOTAL D.P. & TOOLS							
KELLY DOWN BELOWERS			4173	3490		1765	
DEPTH OF TOOLS		6777	00	6640	00	6853	00

WORK
 GEC
 CHANGE
 GEC
 1-2-74

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	6797	6640	6853
DEPTH START OF TOUR	6762	6777	6840
FOOTAGE DRILLED	35	43	13

DAY WORK	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	20	60	60	60	60	60	60	60	60	60	60	60	60
ROTARY SPEED	45	45	45	45	45	45	45	45	45	45	45	45	45
WEIGHT ON BIT	10	40	40	40	40	40	40	40	40	40	40	40	40
MUD WEIGHT	12	11	11	11	11	11	11	11	11	11	11	11	11
V. SPEED	60	54	57	66	73	62	60	40	63				
WE. F.	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
R.P.	100	100	100	100	100	100	100	100	100	100	100	100	100
MUD LEVEL IN TANKS													

TRIP

Big ch
 Federal
 25 = 61

28	8 3/4	71129	SECURE	11-88	47 1/4	6853	240	51	2, 3, 1
----	-------	-------	--------	-------	--------	------	-----	----	---------

CORE	NO.	DEPTH	TYPE	FROM	TO	REMARKS	HOURS
							9:00 - 10:05
							9:11
							6:5
							27
							17
							20

DRILLER	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
F. REICHERT			
H. GONCHAROV			
A. PHILLIPS			
M. ROUGHLIN			

11-2-74
 11-2-74

TOUR REPORT

CONTRACTOR **NABORS DRILLING** NO. **1**

FIELD **EAGLE PLAINS** WELL NAME **N66° 20' 12"**

TRD **W137° SEC 13"** TWP

CHEVRON

DRILLING DEEPENING COMPLETING

REDRILLING ABANDONING REWORKING

FOR 24 HOURS - FROM 12:00 AM TO **MARCH 11**

1972

DRILLING ASSEMBLY		END OF MORNING TOUR			END OF DAYLIGHT TOUR			END OF AFTERNOON TOUR										
STANDS	D.P.	NO	5	97	334	FT	NO	60	67	60	FT	NO	60	67	60	FT		
SINGLE	D.P.	NO		62	80	FT	NO				FT	NO		62	86	FT		
X-OVER SUB	O.D.			5	87	FT			5	87	FT			5	87	FT		
OTHER	O.D.					FT					FT					FT		
DRILL COLLARS 6 3/4"	O.D.			1	25	94	FT			1	25	94	FT			FT		
DRILL COLLARS 6 1/4"	O.D.	NO		4	81	69	FT	NO		4	81	69	FT	NO		FT		
REAMER	O.D.	KIND				FT	KIND				FT	KIND				FT		
STABILIZER	O.D.	KIND				FT	KIND				FT	KIND				FT		
JARS		KIND				FT	KIND				FT	KIND				FT		
BUMPER SUB		KIND				FT	KIND				FT	KIND				FT		
BIT OR CORE BARREL						FT					FT					FT		
TOTAL D.P. & TOOLS						FT					FT					FT		
KELLY DOWN BELOW R.B.				2	7	316	FT			3	8	92	FT			1	8	09
DEPTH OF TOOLS				6	67	00	FT			6	72	00	FT			6	76	00

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	6677 FEET	6720 FEET	6762 FEET
DEPTH START OF TOUR	6642 FEET	6677 FEET	6720 FEET
FOOTAGE DRILLED	35 FEET	43 FEET	42 FEET

DATE 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	10:00 PM	12:00 AM
PUMP	60 1300	60	60	60 1300	60 1300	60 1300	60 1300	60 1300	60 1300	60 1300	60 1300	60 1300
ROTARY SPEED	45			45	45	45	45	45	45	45	45	45
WEIGHT ON BIT	40	40	35	12	40	40	40	40	40	40	40	40
MUD WEIGHT	9.1	9.1	9.1	9.1	9.1	9.1	9.2	1.2	9.2	9.2	9.2	9.2
VISCOSITY	18	18	18	18	18	18	18	18	18	18	18	18
W.L.F.C.	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
PH	9	9	9	9	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5

MUD LEVEL IN TANKS

NO.	SIZE	SERIAL	SPEC. K. NO.	DATE	TIME	BY
28	8 1/4	912129	H-88	11/12	29A	6613 6762 147 S.H. J.H.

CORE NO.	NO.	DATE	TIME	BY

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	F. REICHERT		
DETECTIVE	R. KENNEDY	H. F. TAYLOR	
HELPER	R. FILIPCHUK		
HELPER	T. SHANK		
HELPER	L. CURLETT		
FIREMAN			
TOTAL HOURS			

TOOL
MUD
MOTOR

Return

CHEVRON SOBC Wm N. PARKIN YTD-61

OTHER DEPARTS OPERATING (ETA)
WORK DONE

1972	MUD	CHEMICALS ADDED	From	To
		Amount	1200	300
04	TOUR		300	315
07	GEL	500#	315	615
08	KELZAN	100#	615	645
09	CMC	50#	645	700
10			700	800
11	TOUR		800	1100
12			1100	1115
13			1115	1130
14			1130	
15	TOUR			
16	AROMATIC	200#		
17	FE	100#		
18	CMC	100#		

DRL4.
RIG SERV. KELLY COCK VALVE OK
DRL4
CIRCULATE
DROP SURVEY
TRIP OUT.

TRIP OUT
RIG SERV. BLIND HARDS OK.
SELECT & MAKE UP NEW BIT
TRIP IN

V. SCALD LEGAL

NO MORE BLEND OUT DRILL
NO INSTRUCTIONS ALLOW TO OPERATE.
CHECK S.H. RIG.

Trip out 6:13 to change bit. H.T. bridge 120 ft
bottom. Put on Kelly cement bridge to bottom. 30' at
fill

15
35
6.7/2
10.5
7
40
300

Alechol Anticorrosion Unit
Ambient Temp - 22°F
Returns - 2°F

L. J. Gumble
QUALITY CONTROL ENGINEER

STANDS	D.P.	NO.	FT.	NO.	NO.	FT.	NO.	NO.	FT.	NO.	FT.	NO.	FT.	NO.	FT.
SINGLE	D.P.	NO.	FT.	NO.	NO.	FT.	NO.	NO.	FT.	NO.	FT.	NO.	FT.	NO.	FT.
X-OVER SUB	O.D.		587			527									
OTHER	O.D.														
DRILL COLLARS	O.D.	125	94	NO.	125	94	NO.	125	94	NO.	125	94	NO.	125	94
DRILL COLLARS	O.D.	48	169	NO.	48	169	NO.	48	169	NO.	48	169	NO.	48	169
REAMER	O.D.			NO.											
STABILIZER	O.D.			NO.											
JARS	KIND			NO.											
BUMPER SUB	KIND			NO.											
BIT OR CORE BARREL															
TOTAL D.P. & TOOLS			254	6		31	24				19	60			
KELLY DOWN (BELOW R.B.)															
DEPTH OF TOOLS			648	700		6	525	00			6	575	00		
TOUR			MORNING TOUR			DAYLIGHT TOUR			AFTERNOON TOUR						
DEPTH END OF TOUR			698	87		6	525				6	575			
DEPTH START OF TOUR			644	44		6	487				6	525			
FOOTAGE DRILLED				43			38					50			
DAY WORK			HOURS			HOURS			HOURS						
PUMP	SQ IN PSI	200 AM	400 AM	600 AM	800 AM	1000 AM	1200 AM	200 PM	400 PM	600 PM	800 PM	1000 PM	1200 PM		
ROTARY SPEED	RPM	1300	1500	1800	1800	1300	1300	1300	1300	1300	1300	1300	1300		
WEIGHT ON BIT	MTS	40	-	42	45	45	45	45	45	45	45	45	45		
MUD WEIGHT	LB/BU	91	-	91	91	91	91	91	91	91	91	91	91		
VISCOSITY	SEC/QT	65	-	65	65	60	70	82	82	85	84	68	70		
WL F.C.	CC/SQ IN	63	-	63	63	63	63	63	63	62	64	64	64		
MUD LEVEL IN TANKS	FT. IN	2.8	-	2.8	3.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0		
NO.	SIZE	SEAL	BIT KIND AND TYPE		IN. SIZE	TOTAL HOURS	FROM	TO							
			* H-82		3 1/2	49	6305	6575	270						

TOUR 2
 1100 = 10 30
 1200 = 12 00
 1300 = 1 00
 1400 = 2 00
 1500 = 3 00
 1600 = 4 00
 1700 = 5 00
 1800 = 6 00
 1900 = 7 00
 2000 = 8 00
 2100 = 9 00
 2200 = 10 00
 2300 = 11 00
 2400 = 12 00

GARDNER
 1000
 2000
 3000
 4000
 5000
 6000
 7000
 8000
 9000
 10000

TOUR 3
 1000
 2000
 3000
 4000
 5000
 6000
 7000
 8000
 9000
 10000

GARDNER
 1000
 2000
 3000
 4000
 5000
 6000
 7000
 8000
 9000
 10000

CHEVRON SOBR. Wm. N. PARKIN Y.T. 061

OTHER HOURLY OPERATING DETAIL WORK DONE

1972	MUD & CHEMICALS ADDED	From	To
TOUR	Amount	12:00	12:12
78 FT	HEAVY	12:12	8:00
FT	CAUSTIC		
87 FT	GEL		
FT			
94 FT			
67 FT			
FT			
FT			
FT			
72 FT			
FT			
TOUR		8:00	8:30
FT		8:30	8:45
FT		8:45	1:00
FT		9:00	12:00
FT		12:00	3:45
FT		3:45	4:00
TOUR		1:00	1:30
FT		1:30	4:45
FT		4:45	7:00
FT		7:00	7:45
FT		7:45	11:30
FT		11:30	2:00

RIG SERV V H/DRIK.
 DRAG 8^{3/4} HOLE

FLOOD BLOW OUT DRILL.

DRAG.
 RIG SERV V H/DRIK.
 30' DOWN SURVEY W/ SCOS.
 TRIP OUT.
 APPLY BIT & RUN IN CALIBER DRILL C.
 CLEAN TO BOTTOM.

DISCUSSED DANGERS OF FROST PLUGS.

CLEAN TO BOTTOM
 RIG SERV V H/DRIK
 DRAG.
 WORK ON PUMP
 DRAG.
 WORK ON PUMP.

DISCUSSED PREPARED TO ROLL PIPE.

EMITTING THERMAL DETAIL OF DETAILS INCLUDING ENGINEERING DETAILS

Top at 6305 To change bit Bit # 16 - gauge teeth worn, 17 broken buttons, 1 slightly loose bearing out of gauge 1/8"

Ran in with H'78 - reamed 30' to bottom in case of under gauge hole

[Handwritten notes and calculations, including numbers like 1/8, 1/4, 1/2, 3/4, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100]

Alcohol Astriyeration
 Ambient Temp - 24°F
 Returns - 8°F

[Signature]
 SIGNATURE COMPANY ENGINEER

TOUR REPORT

FIELD *Eagle Plains* WELL NAME *N 66-20-12*

CONTRACTOR *Numbers* NO. *1*

DATE *12/13/72*

REDRILLING ABANDONING REWORKING FOR OTHER REASON DATE *Mar 6* 1972

DRILLING ASSEMBLY		END OF MORNING TOUR		END OF DAYLIGHT TOUR		END OF AFTERNOON TOUR	
STANDS	D.P. NO.	550583	FT.	550583	FT.		
SINGLE	D.P. NO.		FT.	6325	FT.		
X-OVER SUB	O.D.	587	FT.	587	FT.	587	FT.
OTHER	O.D.		FT.		FT.		FT.
DRILL COLLARS	O.D.	12594	FT.	12594	FT.	12594	FT.
DRILL COLLARS	O.D. NO. KIND	48169	FT.	48169	FT.	48169	FT.
REAMER	O.D. KIND		FT.		FT.		FT.
STABILIZER	O.D. KIND		FT.		FT.		FT.
JARS	KIND		FT.		FT.		FT.
BUMPER SUB	KIND		FT.		FT.		FT.
BIT OR CORE BARREL			FT.		FT.		FT.
TOTAL D.P. & TOOLS			FT.		FT.		FT.
KELLY DOWN BELOW R.P.		3983	FT.	3142	FT.		
DEPTH OF TOOLS		6158	FT.	6214	FT.		

KELLY N
CHRO
DOW 13
AL

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	6158 FEET	6214 FEET	
DEPTH START OF TOUR	6108 FEET	6158 FEET	
FOOTAGE DRILLED	50 FEET	56 FEET	

DAY WORK	TIME											
	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	50	50	50	50	50	50	50	42	50	50	50	50
WEIGHT ON BIT	4135	35	35	35	35	35	35	35	35	35	35	35
MUD WEIGHT	9.1	9.1	9.0	9.0	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1
VISCOSITY	72	70	67	70	76	72	75	74	73			
W.L.F.C.	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
pH	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
MUD LEVEL IN TANKS	3'0"	3'0"	3'0"	3'0"	3'0"	3'0"	3'0"	3'0"	3'0"	3'0"	3'0"	3'0"

Describe on
Down the
hole

NO.	SIZE	SERIAL	REMARKS
874	FT 800	SM 1711	455 3/4 6046

SIGNATURE	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	<i>A. Bryant</i>		<i>G. W. Hoyle</i>
DEWELPER	<i>J. Business</i>	<i>R. Kennedy</i>	<i>H. Hestala</i> Line 6126 7/2
HELPER	<i>L. Brick</i>	<i>R. Kucharski</i>	<i>H. Medazzini</i> Line 6222 1/4
HELPER	<i>B. Holland</i>	<i>L. Curbiert</i>	<i>P. Phillips</i>
HELPER	<i>N. Larson</i>	<i>T. Shank</i>	<i>P. Loughlin</i>
		<i>W. Mosges</i>	
		<i>P. Tizya</i>	

Alcohol
Lubricant
Flammable

CHEVRON CORP. AM N. 24 1/2 S 2161

DATE	TIME	DESCRIPTION	TIME	DESCRIPTION
1972	12:00		5:30	DRY
	12:30		5:45	DRY
	5:45	500'	6:00	DRY
		50'		
8/7				CREW DISCUSSED TEMPERATURE
8/14				
8/19				
	8:00	100'	1:15	DRY 2 3/4 HOLE
	9:15		9:30	DROP SURVEY TO 5927-12
	9:30		9:45	RIS SEPS & MARK
	9:45		1:00	DOUBLE GRAP OUT OF HOLE
	1:00		2:15	MAKE UP NEW BIT TRAIN IN LOGGERS
	2:15		3:15	SHIP + CUT TO 10' FROM SURFACE
	3:15		4:00	RUN IN HOLE
	4:30		4:30	RUN IN OF BIT 22 FILL DIRT
	4:30		5:15	PICK UP KELLY & PUT IT IN
	5:15		5:30	DRY SERV V 4 1/2 TURNS
	5:30		6:00	RUN IN
	6:00		6:30	CLEAN UP OF FILL
	6:30		6:30	DRY
				CREW DISCUSSED TEMPERATURE
				CHECK IN ESCAPE BURN OK

PIPE TALKY. 5741.73.
 PIPE STRAP. 5741.48
 D.P.F. .48 NO CORRECTION.

5
 17
 5 9/2
 7.0
 6
 40
 700

1/2 Alcohol Refrigeration Unit
 Ambient Temp -10 F
 Returns 0 F.

[Signature]
 GEORGE J. [Name]
 LICENSED SURVEYING ENGINEER

TOUR REPORT

FIELD *Eagle Plains* W 66° 20' 12" N 137° 13' 00" W
 DATE *March 2 1972*

DRILLING EQUIPMENT		END OF MORNING TOUR		EVEING TOUR		END OF AFTERNOON TOUR	
STANDS	NO.	5132	51	5132	51	523	467
SINGLE	NO.					3142	
X OIL PUMP			587		587		587
OTHER							
DRILL COLLARS		125	94	125	94	120	74
DRILL COLLARS		481	69	481	69	48	67
BEAMS							
STABILIZERS							
TARS							
BUMPER BAR							
BIT OR CORE BARREL							
TOTAL TIP & TOOLS							
KELLY DOWN BELOW		4088		3942		1202	
DEPTH OF TOUR		5786	00	5838		5883	
TOUR		MORNING TOUR		EVEING TOUR		AFTERNOON TOUR	
DEPTH END OF TOUR		5786		5838		5883	
DEPTH START OF TOUR		5732		5786		5838	
FOOTAGE DRILLED		54		52		45	

LAUSTIC GEL
HELAN

DAY WORK		2	3	4	5	6	7	8	9	10	11	12
PUMP	PS	591800	591800	611300	611300	611300	611300	611300	611300	611300	611300	611300
ROTARY SPEED	RPM	50	50	50	50	50	50	50	50	50	50	50
WEIGHT ON BIT	WT	23	23	23	26	26	26	26	26	26	27	27
D WEIGHT	WT	9.0	10	9.2	9.0	9.0	-	9.0	9.0	9.0	7.1	7.0
VISCOSITY	CP	71	69	77	70	70	-	70	70	72	72	80
WLF C		2.5	2.5	2.5	-	5.2	-	5.2	5.2	-	3.2	3.2
LH		8.5	9.5	8.2	-	8.2	-	8.5	8.5	-	9.0	9.0
MUD LEVEL IN TANKS		2.7	3.1	3.3	-	3.3	-	3.2	3.2	-	3.0	3.0

PRESENTA-C
RETURN

NO.	SIZE	SERIAL	W. A. H. (ft)	W. A. H. (ft)	W. A. H. (ft)	W. A. H. (ft)	W. A. H. (ft)	W. A. H. (ft)	W. A. H. (ft)	W. A. H. (ft)	W. A. H. (ft)	W. A. H. (ft)
24	B ¹ / ₄	F5887	5JS	SMITH	7/11	1/2	37 1/2	5545	5886	241		RUN.
							52 3/4	5545	5883	338		

CORE NO.	NO.	TYPE	FROM	TO	HOURS	SECURITY
					900	
					90	5
					71	5.3
					30	8.5
					20	6%
					20	80
					20	300

DRILLER	DRILLER	DRILLER	DRILLER	DRILLER	DRILLER	DRILLER	DRILLER
F. REICHERT	G. OSMACHENKO	D. PHILLIPS	D. DORREN	R. SAUARD	G. BIAULT	J. BASHNESS	R. KENNEDY
							Ind. 5777 2 1/8
							R. ELLIOTT 5244 1 3/4
							G. WILLET
							J. SHANK
							G. CARDINAL
							P. TIZIA

Cherroll SUBG W/M IV PARKIII 11-17-61

DATE	TIME	DEPTH	TEMP	REMARKS
1972		1200	300	DRUG 8 3/4 HOLE
		300	315	RIG SERV KELLY COCK OK
47	5E	300	315	DRUG 8 3/4
42	NEEL 219-	100	715	SURVEY @ 5787
87		50	800	
74				DISCUSSED DANGER OF LOOSE CLOTHING.
67				
		800	815	RIG SERV. MOTOR SHUT-OFFS OK
	CAUSTIC GEL	#50	815	DRUG 8 3/4 HOLE
	KELTAN	#300	400	
		#100		
				HOLD BLOW OUT DRILL.
02				
		400	530	DRUG 8 3/4 HOLE.
		530	545	SURVEY @ 5849-134
		545	600	DISCUSSED 412 HAMS.
		600	1200	DRUG 8 3/4 HOLE.
				REW DISCUSSED WITH WBS TO
				ALL RIG

50 PRESSURE - OF. 8.8
 27 U.F. 10.4 - 4 G.P.M.
 10
 80
 58.2 Alcohol Retriever
 70 Ambient Temperature
 3.1" Returns 72°F

5
 16
 5.2
 8.5
 6%
 80
 300

2 3/8
 1 3/4

Handwritten signature

TOUR REPORT

W. PARSON CHEVRON SOBC TDB1
 N 66° 20' 12" W 135° 13' 01"
 MARCH 1 1972

Che

MORNING TOUR		DAY TOUR		EVENING TOUR	
STAND	4947 98	5037 64	5037 64		
SINGLE	60 49		63 29		
X OVER SUR	5 87	5 87	5 87		
DRILL					
DRILL	1 25 94	1 25 94	1 25 94		
DRILL	4 81 69	4 81 69	4 81 69		
REAMER					
STABILIZER					
WARS					
BUMPER SUR					
BUTOR LINE BASKET					
TOTAL D.P.K.					
KEYS DOWN REAMER	17 58	21 41	18 42		
DEPTH OF TUB	5640 00	5680 00	5732 30		
TOUR	MORNING TOUR	DAY TOUR	EVENING TOUR		
DEPTH END OF TOUR	5640	5680	5732		
DEPTH START OF TOUR	5618	5640	5680		
FOOTAGE DRILLED	22	40	52		

Chrom

Hel
Constric

Hel
KE-ZAN
L.M.C.

DRY WORK		MORNING TOUR		DAY TOUR		EVENING TOUR	
PUMP	6' 1300	6' 1900	6' 1300	6' 1300	6' 1300	6' 1300	6' 1300
ROTARY SPEED	50	50	50	50	50	50	50
WEIGHT ON BIT	20m	22m	28m	22m	25m	25m	25m
MUD WEIGHT	9.2	9.2	9.2	9.2	9.2	9.1	9.1
VISCOSITY	60	75	77	82	82	85	80
W. F.					6.6	6.6	6.6
M					8.5	8.5	8.5
MUD LEVEL IN TANKS					2.9"	2.9"	2.8"

Increase
DES-LETER.

24	8 1/4	F8887	5JS	SMITH	7/16	4 5545 5640 95	Ref.
						30 1/2 5545 5732 187	Ref.

TYPE	8 00	1
FRID	9.2	5
T	79	6
W	35	8
WARS	22	7 1/2
S	26	40 200

RECORD	F. KEISCHERT	L. Briant		
RECORD	G. OSTACHENKO	J. Barnes	R. Kennedy	5628 3 1/2
RECORD	D. PHILLIPS	J. Birch	R. J. ...	5660 2 1/2
RECORD	D. DOKKER	H. ...	J. ...	5722 3 0
RECORD	B. SAUARD	W. Parson	J. ...	
		R. ...	L. ...	
		W. ...		

Alcohol
Ambient
Circ Temp

Chevron 5030 W.M. PARKIN Y.T. 12-61

1972		1200	145
64	Chrom	175	200
29		200	415
87		415	800
94			
69			
	Hel	300#	8.00
	Caustic	100#	12.00
			12.45
			100
			4.00
42			
30		4.00	9.45
	Hel	1500	10.00
	KE-ZAN	250	10.30
	C.M.C.	50	12.00

DRILL 8 3/4 HOLE
 RIG SERV 4 1/2 RAINS OK
 SURVEY (FIRST ONE MISRUN) @ 5628 212°
 DRILL 8 3/4

DISCLOSED PRODUCE LIND LINE

DRILL 8 3/4 HOLE
 SURVEY @ 5660 212°
 RIG SERV ✓ H/D RAIL
 DRILL 8 3/4 HOLE.

DISCLOSED PRODUCE LIND LINE

DRILL 8 3/4 HOLE
 RIG SERV ✓ H/D RAIL
 SURVEY @ 5722 - 3°
 DRILL 8 3/4 HOLE

100
 1800
 50 Increased weight to 22000 @ 5628
 25 " " " 25000 @ 5660
 71 DESILTER. U.F. - 10.4
 83 O.F. - 7.0. 490L PER MIN DISCHARGE.
 0.2
 8.2"
 3.0

5
 15
 6
 8
 7 1/2
 40
 200

3 1/2°
 2 1/2°
 3° Alcohol Antifreeze
 Ambient Temp -17°F
 Circ Temp +8°F

L. F. [Signature]

CHEVRON SOPC W/M N PARKIN YT 12-61

1972			1200	130
5.4			130	145
5.8	GEL		145	445
4.0			445	520
7.0			530	545
			545	800
7.0				
9.1 FT				
			200	900
			900	715
			915	1020
			1030	2 20
			2 20	3 00
			3 40	4 00
3			4 00	5 30
4			5 30	6 45
	Gas	#500	6 45	7 30
	Kellyone	#100	7 30	7 50
	Core	#50	7 50	8 45
			8 45	12 00

CIRCULATE SAMPLE & MIX W/ID
 DROP SURVEY
 TRIP OUT
 SELECT BIT
 RIG SEND BLIND RAINS OK
 TRIP IN

DISCOVERED SAMPLE
 TRIP IN
 RIG SEND HYPHIC OK
 BRIND CIRC & BLIND 20 GILL
 DRILL 2 3/4 HOLE
 SURVEY @ 5269 3 3/4"
 DRILL 2 3/4 HOLE
 BRIND CIRC & BLIND 20 GILL
 B.O.P.S. 4000 ft
 DRILL 2 3/4 HOLE
 CHANGE HEAD CAP PACKET #1 PUMP
 DRILL 2 3/4 HOLE
 SURVEY @ 2600 - 4"
 RIG SEND HYPHIC
 DRILL 2 3/4 HOLE
 BRIND CIRC & BLIND 20 GILL
 TRIP IN

6.900
 50 Alcohol Refrigeration
 22 Ambient Temperature -20 F
 9.0 Return 0 F
 13
 6.52
 8.5
 2.8
 Slacked off weight 2 20 lbs wt slack
 Control deviation

11
 6
 18
 60
 0
 5/6
 300
 3
 3 1/4
 40

[Handwritten signature]

TOUR REPORT

CONTRACTOR *NABORS DRILL* RIG NO. *1*

FIELD *N. PARKIN*

WELL NAME *CHEURON SOB* SD *YT-DW*

DRILLING DEEPENING COMPLETING *66° 20' 12" N 137° 13' W*

REDRILLING ABANDONING REWORKING FOR 24 HOURS ENDING 12 MIDNIGHT *FEB 27 1972*

DRILLING ASSEMBLY		END OF MORNING TOUR		END OF DAYLIGHT TOUR		END OF AFTERNOON TOUR	
STANDS	D.P. NO	47	6220 FT	47	6220 FT	47	6220 FT
SINGLE	D.P. NO	31	45 FT	31	45 FT	31	45 FT
X-OVER SUB	O.D.	5	87 FT	5	87 FT	5	87 FT
C-OTHER	O.D.						
DRILL COLLARS	4 6 3/4 O.D.	1	2594 FT	1	2594 FT	1	2594 FT
DRILL COLLARS	16 6 1/4 O.D.	4	8169 FT	4	8169 FT	4	8169 FT
REAMER	O.D.						
STABILIZER	O.D.						
JARS							
BUMPER SUB							
BIT OR CORE BARREL							
TOTAL D.P. & TOOLS							
KELLY DOWN (BELOW R.B.)		2	252 FT	2	652 FT	2	652 FT
DEPTH OF TOOLS		5	4300 FT	5	4340 FT	5	4340 FT

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	5430 FEET	5434 FEET	
DEPTH START OF TOUR	5411 FEET	5430 FEET	5434
FOOTAGE DRILLED	19 FEET	4 FEET	

DAY WORK	HOURS				HOURS							
	2:00 AM	4:00 AM	6:00 AM	8:00 AM	10:00 AM	12:00 AM	2:00 PM	4:00 PM	6:00 PM	8:00 PM	10:00 PM	12:00 PM
PUMP	6' 1400		REPAIR PUMP	6' 1400								
ROTARY SPEED	40	40	40	40								
WEIGHT ON BIT	25	25	25	25								
MUD WEIGHT	9.4	9.4	9.4	9.4								
VISCOSITY	68	73	71	70								
W.L.F.C.				58.2								
p.H.				85								
MUD LEVEL IN TANKS				29	27							

NO.	SIZE	SERIAL	BIT KIND AND TYPE	BIT SIZES ON LOG	TOTAL FEET	FROM	TO	REMARKS
22	8 3/4	40890	H.W. JBB	5-11 7-12	7 1/4	5411	5434	13 1-2-1

CORE No.	No.	DST No.	FROM	TO	REMARKS

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	<i>E. Reichert</i>	<i>A. BAIALT</i>	
DERRICKSMAN	<i>G. OSMACHENKO</i>	<i>S. BARNES</i>	<i>R. KENNEDY</i>
HELPER	<i>D. PHILLIPS</i>	<i>A. BAIALT</i>	<i>A. FLUPCHUK</i>
HELPER	<i>D. DOKKEN</i>	<i>G. HOLLAND</i>	<i>A. CHARLETT</i>
HELPER	<i>R. SAVARD</i>	<i>W. PARSON</i>	<i>S. SHANK</i>
FIREMAN		<i>P. TIZJA</i>	<i>G. CARDINAL</i>
W. PUSHER		<i>W. MOSES</i>	

Cheuron
66° 20' 12" N 137° 13' W
Feb 27 1972
Yel Kelgan C.M.C.

JETS WORK TANKS R. FAST 60 BIT # 22 BEARINGS DRAMING

DRILL LOG RECORD
 Kind: *1* Depth: *5434* Dog tag: *112*

TOUR REPORT

CONTRACTOR *NABORS DRILL* RIG NO. *1*

FIELD *N. PARKIN*

WELL NAME *CHEURON SOB* SD *YT-DW*

DRILLING DEEPENING COMPLETING *66° 20' 12" N 137° 13' W*

REDRILLING ABANDONING REWORKING FOR 24 HOURS ENDING 12 MIDNIGHT *FEB 27 1972*

DRILLING ASSEMBLY		END OF MORNING TOUR		END OF DAYLIGHT TOUR		END OF AFTERNOON TOUR	
STANDS	D.P. NO	47	6220 FT	47	6220 FT	47	6220 FT
SINGLE	D.P. NO		3145 FT		3145 FT		3145 FT
X-OVER SUB	O.D.		587 FT		587 FT		587 FT
OTHER	O.D.						
DRILL COLLARS <i>4 6 3/4</i>	O.D.		12594 FT		12594 FT		12594 FT
DRILL COLLARS <i>16 6 1/4</i>	O.D.	NO	48169 FT	NO	48169 FT	NO	48169 FT
REAMER	O.D.	KIND		KIND		KIND	
STABILIZER	O.D.	KIND		KIND		KIND	
JARS							
BUMPER SUB							
BIT OR CORE BARREL							
TOTAL D.P. & TOOLS							
KELLY DOWN (BELOW R.B.)			2252 FT		2652 FT		2652 FT
DEPTH OF TOOLS			543000 FT		543400 FT		543400 FT

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	5430 FEET	5434 FEET	
DEPTH START OF TOUR	5411 FEET	5430 FEET	5434
FOOTAGE DRILLED	19 FEET	4 FEET	

DAY WORK	HOURS				HOURS							
	2:00 AM	4:00 AM	6:00 AM	8:00 AM	10:00 AM	12:00 AM	2:00 PM	4:00 PM	6:00 PM	8:00 PM	10:00 PM	12:00 PM
PUMP	6' 1400		REPAIR PUMP	6' 1400								
ROTARY SPEED	40	40	40	40								
WEIGHT ON BIT	25	25	25	25								
MUD WEIGHT	9.4	9.4	9.4	9.4								
VISCOSITY	68	73	71	70								
W.L.F.C.				58.2								
p.H.				85								
MUD LEVEL IN TANKS				29	27							

NO.	SIZE	SERIAL	BIT KIND AND TYPE	BIT SIZES ON T.O.	TOTAL HOURS	FROM	TO	REMARKS
22	8 3/4	40890	H.W. JBS	5-11 7-12	7 1/4	5411	5434	13 1-2-1

CORE No.	No.	DST No.	FROM	TO	REMARKS

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	<i>E. Reichert</i>	<i>A. BAIALT</i>	
DERRICKSMAN	<i>G. OSMACHENKO</i>	<i>S. BARNES</i>	<i>R. KENNEDY</i>
HELPER	<i>D. PHILLIPS</i>	<i>A. BAIALT</i>	<i>A. FLUPCHUK</i>
HELPER	<i>D. DOKKEN</i>	<i>G. HOLLAND</i>	<i>A. CHARLETT</i>
HELPER	<i>R. SAVARD</i>	<i>W. PARSON</i>	<i>S. SHANK</i>
FIREMAN		<i>P. TIZJA</i>	<i>G. CARDINAL</i>
W. PUSHER		<i>W. MOSES</i>	

Cheuron
600
100000
C.M.C.
Yel Kelgan
C.M.C.

JETS W.P.
TANKS R.
FAST 60
BIT # 22
BEARINGS
DRAMING

TOUR REPORT

CONTRACTOR **Nabors Drilling** WELLS NO. **1**

FIELD **N. Parkid** WELL NAME **CHEVRON SOBCC** LSP **VT Dbl SEC** TWP **34N** R. **10W**

[] DRILLING [] DEEPENING [] COMPLETING
 [] REDRILLING [] ABANDONING [] REWORKING FOR **24** HOURS ENDING 12 MIDDNIGHT **FEB 26 1972**

DRILLING ASSEMBLY		END OF MORNING TOUR		END OF DAYLIGHT TOUR		END OF AFTERNOON TOUR	
STANDS	D.P. NO.	466	793 FT	476	220 FT	474	220 FT
SINGLE	D.P. NO.	31	53 FT				
X OVER SUB	O.D.	5	94 FT	5	94 FT	5	94 FT
OTHER	O.D.						
DRILL COLLARS	O.D.	125	94 FT	125	94 FT	125	94 FT
DRILL COLLARS	O.D. NO. KIND	481	69 FT	481	69 FT	481	69 FT
REAMER	O.D. KIND						
STABILIZER	O.D. KIND						
JARS	KIND						
BUMPER SUB	KIND						
RIT OR CORE BARREL							
TOTAL D.P. & TOOLS							
KELLY DOWN (BELOW R.B.)		41	00 FT	37	83 FT	37	83 FT
DEPTH OF TOOLS		535	400 FT	541		541	

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	5354 FEET	5411 FEET	5411 FEET
DEPTH START OF TOUR	5280 FEET	5354 FEET	5411 FEET
FOOTAGE DRILLED	74 FEET	57 FEET	

DAY WORK	HOURS				HOURS				HOURS			
	2:00 AM	4:00 AM	6:00 AM	8:00 AM	10:00 AM	12:00 PM	2:00 PM	4:00 PM	6:00 PM	8:00 PM	10:00 PM	12:00 AM
PUMP	61 1400			61 1400	61 1400	61 1400						
ROTARY SPEED	40			40	40	40						
WEIGHT ON BIT	40			40	40	40						
MUD WEIGHT	9.4	9.4	9.4	9.4	9.4	9.4						
VISCOSITY	70	75	80	82	83	83						
WL F.C.				522	522							
pH				9.0	9.0							
MUD LEVEL IN TANKS	2'9"			2'9"	2'9"							2'9"

NO.	SIZE	SERIAL	BIT KIND AND TYPE	SET SIZE IN INCHES	TOOTH HOURS	FRONT	TOOTH	TOOTH	TOOTH
	8 3/4	27790	RG7X	4 1/2	45	5080	5354	274	Rud
	8 3/4	K0890	J. 88	4 1/2		5174	5080	5411	331

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	F. REICHERT	L. PHILLIPS	33
DERRICKMAN	G. OSMACHENKO	J. BARANOVSKY	R. KENNEDY
HELPER	D. PHILLIPS	A. BOUCH	R. WELLS
HELPER	D. DOKKAL	L. HOLLAND	B. GIBSON
HELPER	R. SAUARD	N. PEARSON	R. SHANK
FIREMAN		P. TAYLOR	D. CARDINAL
TOOL PUSHER		W. MESE	

CHEVRON
 TOU
 GEN
 KELZAN
 CMC
 TOU
 GEN
 KELZAN

HOSKINS
 CMC
 HAS SMA
 TO BE CO
 THROUGH
 CHECKED
 C-MARKED
 TESTIN

STRA
 STRAP
 BOARD
 D.F.F.E.N

CHEVRON SOURCE WYOMING PARK N Y T D-61

OTHER HOURLY OPERATING LEAD WORK DONE

1972	DATE	CHEMICALS ADDED	From	To
			12:00	12:15
			12:15	
0 FT		GEN 1000 #		
FT		KELZAN 100 #		
4 FT		CME 50 #		
FT				
4 FT				
9 FT				
FT				
FT				
FT				
FT				
FT				
3 FT				
FT				
FEET				
FEET				
FEET				
HOURS				
12:00 PM				

Rig Service 4 1/2 Rams OK.
DRAG 8 3/4

DISCUSSED DANGERS OF SPOOKING SURVEY LINE

DRAG 8 3/4 HOLE
RIG SERVICE, HYDRIL OK
SURVEY @ 5385' - 1"
DRAG 8 3/4 HOLE
~~DRAG SURVEY~~

RIG SEAR & HYDRIL
DRAG SURVEY
STRAP OUT OF HOLE
CLOSE BLIND RAMS, FIX MOTOR
SHUT OFF & TIGHTEN PANS - FLOOR MOTOR
RUN IN HOLE

CEMENTING TESTS WITH SPECIAL JOB DETAILS INCLUDING ENGINEERING COMMENTS

Hooked up CAMERON HYDRAULIC PUMPS (REPLACES OLD ONE). UNABLE TO PRESSURE TEST BOP. SLOW CHUCK MANIFOLD. Nipple on the top of BOP HAS SMALLER DIAMETER THAN TESTING PLUG AND HAS TO BE CUT TO ENABLE THE TESTING PLUG TO PASS THROUGH.

CHECKED MOTOR SHUT OFFS - AIR LINE LEAKING. ORDERED NEW SEALING ELEMENT (CRING) FOR TESTING PLUG.

STRAPED OUT OF THE HOLE

STRAP TALLY 5418.09 FT
BOARD TALLY 5417.03 FT
DIFFERENCE 1.06 FT

NO CORRECTIONS MADE!

Reading
10
2/4

TOUR REPORT

CONTRACTOR **NABORS DRILG.** RIG NO. **1**

FIELD **N. PARKIN**

WELL NAME **CHEVRON SUBG RD 1T-DU** SEC **1** TWP **10N** R **10E**

CHEVRON

DRILLING DEEPENING COMPLETING

REDRILLING ABANDONING REWORKING FOR 24 HOURS ENDING 12 MIDNIGHT **FEB 25** 1972

DRILLING ASSEMBLY		END OF MORNING TOUR		END OF DAYLIGHT TOUR		END OF AFTERNOON TOUR	
STANDS	D.P. NO	448	159 FT	457	493 FT	457	493 FT
SINGLE	D.P. NO		61 94 FT				61 69 FT
X OVER SUB	O.D.		58 7 FT		58 7 FT		58 7 FT
OTHER DRILL COLLARS	O.D.	4	6 3/4 O.D. 125 94 FT		125 94 FT		125 94 FT
DRILL COLLARS	O.D.	16	6 1/4 O.D. 48 169 FT		48 169 FT		48 169 FT
REAMER	O.D.						
STABILIZER	O.D.						
JARS							
BUMPER SUB							
BIT OR CORE BARREL							
TOTAL D.P. & TOOLS							
KELLY DOWN BELOW H.B.			29 47 FT		37 05 FT		31 83 FT
DEPTH OF TOOLS			51 87 00 FT		52 25 00 FT		52 25 00 FT

Gen Kelzan CMC

NO. 2 IN C.M.C. CUMMINS

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	51 87 FEET	52 25 FEET	52 80 FEET
DEPTH START OF TOUR	51 87 FEET	51 87 FEET	52 25 FEET
FOOTAGE DRILLED	40 FEET	38 FEET	55 FEET

DAY WORK	HOURS				HOURS				HOURS			
	2:00 AM	4:00 AM	6:00 AM	8:00 AM	10:00 AM	12:00 AM	2:00 PM	4:00 PM	6:00 PM	8:00 PM	10:00 PM	12:00 AM
PUMP	6' 1400			6' 1400		6' 1400	6' 1400		6' 1400			6' 1400
ROTARY SPEED	40			40		40	40		40			40
WEIGHT ON BIT	40			40		40	40		40			40
MUD WEIGHT	9.3			9.3		9.3	9.3		9.3			9.3
VISCOSITY	78	72	70	83		80	82		80			80
W.L.F.C.						5.32						

pH						9.0						
MUD LEVEL IN TANKS				22		2 1/2			2 1/8	2 1/8		

NO.	SIZE	SERIAL	BIT KIND AND TYPE	ET SPACES IN 1/2"	22 1/4	5080	5187	107	RUN
874		27790	RG 7X	7/16 1/2					
					3 1/4	5080	5280	100	Run

CORE No	No	DST No	FLOW	TO	MUD FLOW	RECOVERY
TYPE		PREFLOW				
FROM		EST				
TO		V.O				
Recovery		FS				
HOURS		RECOVERY				

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	F. RECHERT	J. BRUNDT	
DERRICKMAN	G. OSMACHENKO	J. JENSEN	R. Kennedy 5:10 1/4
HELPER	D. PHILLIPS	J. PAIRK	R. Zepf
HELPER	D. DORFEN	H. Agilond	L. Curlett
HELPER	R. SQUARD.	N. Parson	T. Shamb.
FIREMAN		P. Tigger	H. Cardinal
TOOL PUSHER		W. Meese.	

CHEVRON

SOBC WM

N. PARKIN

YT

D-61

OTHER HOURLY OPERATING DETAIL WORK DONE

972
JR
3 FT
9 FT
7 FT
FT
1 FT
9 FT
FT
FT
FT
3 FT
0 FT
EET
EET
EET
10 HRS
10:00 PM
10:14 AM
40
40
9.3
80
10:14 AM
14

Kind	Amount
TO	
Gel	1600#
KALZAN	150 #
CINC	100 #
TO	
KALZAN	150
G.M.C.	50
CHROME ALUM	100#
G.C.	900
TO	
TO	

From	To
12:00	12:15
12:15	3:00
7:00	10:00
10:00	10:15
10:15	11:15
11:15	4:00
4:30	4:30
4:30	4:45
4:45	12:00

RIG SERV. 4 1/2 RAMS OK
DRAG 8 3/4 HOLE

DISCUSSED DANGERS OF STEAM

DRAG 8 3/4 HOLE
RIG SERV ✓ H/DRAIL
SHAFT @ 5190 - 1 1/4"
DRAG 8 3/4 HOLE

CREW DISCUSSED USES OF PROPER
FOOTS FOR PROPER JOBS. WORKED ON
DRAG 8 3/4 HOLE
RIG SERV ✓ H/DRAIL - SERV SWINCK
DRAG 8 3/4 HOLE

CREW DISCUSSED USE OF GOGGLES
ON TOPS WILL BOUNCING ON
ANY OBJECT.

CEMENTING, TESTING, MIXING, RECORD FOR DETAILS, INCLUDING ENGINEERING DRAWINGS

CHEURON 502C WMN. PARKIN Y.T. L.C.I.
 OTHER HOURLY OPERATING DETAILS WORK DONE

TIME	CHEMICALS ADDED		From	To
	Kind	Amount		
972			1200	300
UR	TO		300	315
9 FT			315	545
2 FT			345	730
9 FT			730	800
FT				
4 FT				
9 FT				
FT	TO		800	815
FT	KELZAN	200#	815	400
FT	CAUSTIC	50#		
FT	GEL.	300#		
FT				
FT				
9 FT				
0 FT	TO		400	845
	GEL	1000	845	900
			100	1100
FEET				
FEET				
FEET				
HOURS				
1:00 PM				

TRIP OUT
 RIG SERV. BLIND RAMS
 TRIP IN
 CLEAN 70' TO BOTTOM
 DRNG 8 3/4 I.D.C.

RIG SERV. HYDRIL OK.
 DRNG 8 3/4

DRNG 8 3/4 HOLE
 RIG SERV. HYDRIL MOTOR SHUT OFF OK.
 DRNG 8 3/4 HOLE.

CREW DISCUSSED USE OF SAFETY BELT
 UP DERRICK

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

40
 40
 9.3
 80
 6.2
 9.5
 2.00
 N
 REQUESTED AND GOT PROMISE FROM CAMERON'S REPRESENTATIVE THAT THE PUMP OF BIGGER CAPACITY WILL BE SENT!
 RUNNING IN W/ CIT # 2 CLEANED 70' UP LEFT WELL, OTHERWISE HOLE CONDITION GOOD - NO BRIDGES!

Michael P. Ryan
 SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR **NABORS** WELL NO. **4**

FIELD **agle plain** WELL NAME **5-4-1** USD SEC TWP
 DRILLING DEEPENING COMPLETING
 REDRILLING ABANDONING REWORKING FOR 24 HOURS ENDING @ MIDNIGHT **FEB 23 1972**

DRILLING ASSEMBLY		END OF MORNING TOUR		END OF DAYLIGHT TOUR		END OF AFTERNOON TOUR	
STANDS	D.P.	NO	429425 FT	NO	438906 FT	NO	458906 FT
SINGLE	D.P.	NO	6321 FT	NO	3149 FT	NO	6104 FT
X OVER SUB	O.D.		587 FT		587 FT		587 FT
OTHER	O.D.						
DRILL COLLARS	4 6 3/8 D		12594 FT		12594 FT		12594 FT
DRILL COLLARS	16 6 1/4 D	NO	48169 FT	NO	48169 FT	NO	48169 FT
REAMER	O.D.	KIND		KIND		KIND	
STABILIZER	O.D.	KIND		KIND		KIND	
JARS		KIND		KIND		KIND	
BUMPER SUB							
BIT OR CORE BARREL							
TOTAL D.P. & TOOLS			501000 FT				
KELLY DOWN (BELOW R.B.)					1678		
DEPTH OF TOOLS			505000 FT		505000		508000

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	5010 FEET	5050 FEET	5080 FEET
DEPTH START OF TOUR	1763 FEET	5010 FEET	5050 FEET
FOOTAGE DRILLED	417 FEET	20 FEET	30 FEET

DAY WORK	HOURS				HOURS			
	2:30 AM	4:00 AM	6:00 AM	8:00 AM	1:00 AM	2:00 AM	4:00 PM	6:00 PM
PUMP	6' 1400				6' 1400	6' 1400	6' 1400	6' 1400
ROTARY SPEED	40	4			40	40	40	40
WEIGHT ON BIT					45	45	40	40
MUD WEIGHT			9.3				9.3	9.3
VISCOSITY			71		84	86	88	80
W.L.F.C.			65					70
pH			9.0					
MUD LEVEL IN TANKS	3'0"		2'9"				3'0"	3'0"

NO.	SIZE	SERIAL	BIT KIND AND TYPE	RET. SIZES IN INCHES	FEET	FROM	TO
8 1/4	371720		4-100	3/16 1/2	50 1/4	4782	5050
					56 1/2	4782	5080

CORE No.	No.	DST No.	FROM	TO

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	G.W. HLOYD	F. KECKENT	L. BIGNALL
DERRICKMAN	A. H. HETALA	G. OSMACHENKO	J. BURNERS
HELPER	T. MEURAZZIN	D. PHILLIPS	P. BRICK
HELPER	P. PHILLIPS	D. DOKKEN	H. HILAND
HELPER	P. LAUGHAN	R. SAUARD	M. PARRON
FIREMAN			
TOOL PUSHER			

TOUR
 CAUSTIC
 DOWDIE B
 GEL
 KERRAN
 M.C.

TOUR
 H.W.
 FROM 1
 IN FA
 WELLS
 SECURE
 BETWEEN
 EASING 4

WIRE LINE 5040
 DRAPPED 2740

CHEVRON SOBC. W/M N. PARKIM

1972	CHEMICALS ADDED		From	To
	Amount			
TOUR			12:00	3:30
6 FT			2:30	3:15
4 FT			2:15	8:00
7 FT				
4 FT				
9 FT				
TOUR			8:00	8:15
CAUSTIC	100 #		8:15	1:45
DOWCIDE B	50 #		1:45	2:45
GEL	300 #		2:45	4:00
KALZAN	150 #			
C.M.C	100 #			
TOUR			4:00	8:30
Hel	4000		8:30	8:45
			8:45	10:30
			10:30	12:00

OTHER HOURLY OPERATING DETAIL WORK DONE

DRY
Rig SERV 1 1/2 RAMS.
DRY.

Rig SERVICE HYDRAIL OK.
DRY 8 3/4
SURVEY @ 50ft 2 1/2°
DRY 8 3/4 HOLE

DRY 7 3/4 HOLE
RIG SERV ✓ HYDRAIL
DRY 2 3/4 HOLE
DRY SURVEY + PULLOUT OF HOLE
STRAP PIPE.

CEMENTING, TIEING, ERECTION, OR DETAILS, INCLUDING ENGINEERING DUMMIES

3'-0" RAN 2" pipe 12 below 43 in cement support pipe in the house hole. Mixed 2 1/2 bags cement plus 3/4 Gal CaCl₂ and established good returns of cement slurry into the cellar. Plugged and cemented cullens between cellar and swamp, and cemented cellar bottom using 4 sacks of class I cement plus 3/4 Gal CaCl₂.

4-1
DRT

Reading
2 1/2°

John Pope
SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR **WABORS** WELLS NO. **7**

FIELD **Eagle Plains** WELL NAME **JT-D-61** (SD) (SEC) (TWP) (R14) (W)

DRILLING DEEPENING COMPLETING
 REDRILLING ABANDONING REWORKING

TOUR STARTING TIME **FEB 22** 1972

DRILLING ASSEMBLY		END OF MORNING TOUR		END OF DAYLIGHT TOUR		END OF AFTERNOON TOUR	
STANDS	D.P. NO.	426407	FT	428425	FT	429425	FT
SINGLE	D.P. NO.		FT		FT	3151	FT
X-OVER SUB	O.D.	587	FT	587	FT	587	FT
OTHER DRILL COLLARS	O.D.	12594	FT	12594	FT	12594	FT
DRILL COLLARS	O.D. NO. KIND	48169	FT	48169	FT	48169	FT
REAMER	O.D. KIND		FT		FT		FT
STABILIZER	O.D. KIND		FT		FT		FT
JARS	KIND		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.)		2000	FT	2608	FT		FT
DEPTH OF TOOLS		489700	FT	493300	FT	496300	FT
TOUR		MORNING TOUR		DAYLIGHT TOUR		AFTERNOON TOUR	
DEPTH END OF TOUR		4897	FEET	4933	FEET	4963	FEET
DEPTH START OF TOUR		4854	FEET	4897	FEET	4933	FEET
FOOTAGE DRILLED		43	FEET	36	FEET	30	FEET

DAY WORK	VOLUME (GAL)	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	
PUMP	1400/61	1400/61	1400/61	1400/61	61/400	61/1200	61/1500	61/1400	60/1000	60/1400	60/1400	60/1400
ROTARY SPEED	RPM	40	40	40	40	40	40	40	40	40	40	40
WEIGHT ON BIT	M. lbs	40	40	40	40	40	40	40	40	40	40	40
MUD WEIGHT	lb/gal	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3
VISCOSITY	sec/cst	70	70	68	66	70	70	70	80	100	100	87
W.L.F.C.	cc/32nd	52	52	52	52							262
pH		9.2	9.2	9.2	9.2							9.5
MUD LEVEL IN TANKS	FT. INS.	2'3"		2'8"								2'4" 2'8"

NO.	SIZE	SERIAL	BL. KIND AND TYPE	REPAIRS IN 30	TOTAL FEET	PERIOD	REMARKS
17	8 7/8	321220	STEEL H. 100	1/2	23	4782 - 4897	115
					29 1/4	4782 - 4933	151
					35 3/4	4782 - 4963	181

CORE No.	No.	DST No.	FROM	TO	MUD LEVEL	REMARKS

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	G. W. Lloyd	F. REICHERT	J. Bryant
DERRICKMAN	H. Hietala	G. OSMASHENKO	J. Bryant
HELPER	T. P. ORAZZINI	D. PHILLIPS	J. Bryant
HELPER	P. PHILLIPS	D. DUKKEN	J. Bryant
HELPER	P. LOUGHAN	R. SAJARD	J. Bryant
FIREMAN			
TOOL PUSHER			

KAZAN
GEL
CAUSTIC

WELLS
NO. 7-40
V. 200/1
W. 100
E. 100
S. 100

CHEVRON S.O.B.C. W.M. N. PARKING

OTHER HOURLY OPERATING DETAIL
WORK DONE

1972	MEASUREMENTS	CHEMICALS ADDED	From	To
00:00	TOU		12:00	12:15
05	FT		12:15	12:00
01	FT			
07	FT			
04	FT			
00	FT			
08:00	TOU		8:00	8:15
08:15	FT		8:15	8:30
08:30	FT		8:30	11:30
11:30	FT		11:30	12:30
12:30	FT		12:30	
04:00	TOU		4:00	5:00
05:00	FT	KAZAN #150	5:00	5:15
05:15	FT	GEL #200	5:15	11:45
11:45	FT	CAUSTIC #100	11:45	12:00

RIG SERU ✓ HYDRAK
DRAG.

RIG SERU 4 1/2 RAMS OK
WORK ON #1 PUMP
DRAG 8 3/4 HOLE
SURVEY @ 4917 1 1/2°
DRAG 8 1/4 HOLE

UNPLUG JETS IN BIT
WORK ON PUMP.
DRAG 8 3/4 HOLE.
RIG SERU ✓ HYDRAK.

HELD BLOW OUT DRILL.

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

60
6/2400
40
40
9.3
87
6.2
9.0
2.8
1 1/2°

FILLED TWO CEMENTS WHICH WAS LOCATED BY FRONT OF THE
RIG (LINE BETWEEN RIG AND LANE) WITH 4000 LBS AND BELOW
V-SUR) IN 2 1/2" 1/4" WITH 2000 LBS AND 2000 LBS
COUNT + 2% GEL. CEMENT QUANTITY WAS FOUND WITH
6 LB OF SAW DUST AND 1 LB OF FIBERGLASS AT THE
ENTRANCE IN THE CEMENTS. CEMENT WAS PLACED IN 2
STAGES WITH 30 MIN WAIT TIME BETWEEN EACH STAGE.
ESTABLISHED WITH OTHERS IN 2 1/2" 1/4"
NO MORE CEMENT OR FURTHER WORKING

Milos Royice
SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR **NAGORS**

4

FIELD **Eagleclains** WELL NAME **3rd D-61**

DRILLING DEEPENING COMPLETING

REDRILLING ABANDONING REWORKING

FOR 24 HOURS ENDING AT MIDNIGHT **FEB 21**

1972

CHEMICAL

DRILLING ASSEMBLY		END OF MORNING TOUR		END OF DAYLIGHT TOUR		END OF AFTERNOON TOUR	
STANDS	D.P. NO	4138	12 FT	4106	72 FT	4290	16 FT
SINGLE	D.P. NO			63	01 FT		
X OVER SUB	O.D.		587 FT		587 FT		587 FT
OTHER	O.D.						
DRILL COLLARS	6 3/4 O.D.		12594 FT		12594 FT		12594 FT
DRILL COLLARS	16 1/4 O.D.		48169 FT		48169 FT		48169 FT
REAMER	O.D.						
STABILIZER	O.D.						
JARS							
BUMPER SUB							
BIT OR CORE BARREL							
TOTAL D.P. & TOOLS							
KELLY DOWN BELOW R.B.			3000 FT		2677 FT		4083 FT
DEPTH OF TOOLS			475200 FT		481000 FT		485400 FT

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	4782 FEET	4810 FEET	4854 FEET
DEPTH START OF TOUR	4781 FEET	4782 FEET	4810 FEET
FOOTAGE DRILLED	1 FEET	28 FEET	44 FEET

DAY WORK	MORNING TOUR				DAYLIGHT TOUR				AFTERNOON TOUR			
	2:30 AM	4:00 AM	6:00 AM	8:00 AM	10:00 AM	12:00 AM	2:00 PM	4:00 PM	6:00 PM	8:00 PM	10:00 PM	12:00 PM
PUMP			6' 1100	6' 1100	6' 1400	6' 1400	6' 1400	6' 1400	6' 1400	6' 1400	6' 1400	6' 1400
ROTARY SPEED			40	40	40	40	40	40	40	40	40	40
WEIGHT ON BIT			40	40	40	40	40	40	40	40	40	40
MUD WEIGHT			9.2	9.2	9.2	9.3	9.2	9.2	9.2	9.2	9.2	9.2
VISCOSITY			107	103	107	115	80	80	80	80	80	82
W.L.F.C.			5.2						6.2			
p.H.			9.0						4.0			
MUD LEVEL IN TANKS		2' 4"	2' 5"		2' 5"				2' 5"			

NO.	SIZE	SERIAL	BIT KIND	WELL TYPE	DEPTH	FROM	TO	REMARKS
	9 3/4	371720	H-100		4 1/2	4782	4810	28
	8 3/4	371720	H-100		3 1/2	4810	4854	44

CORE	No.	No.	TEST No.	FROM	TO	REMARKS
TYPE			PREFLOW			
FROM			TEST			
TO			V.O.			
Recovery			F.S.T.			
HOURS			RECOVERY			

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	G.W. Lloyd	F. REICHERT	L. Brault
DERRICKMAN	H. Hietala	G. Osmachenko	J. Garsness
HELPER	T. Pedrazzini	D. Phillips	L. Brink
HELPER	P. Phillips	D. Dorken	L. Heidland
HELPER	P. Lougheed	R. Sward	N. Parson
FIREMAN			
TOOL PUSHER			

TCU
C.M.C.

SIZE 3 3/4

CHEURON SOBC W M H PARKIN

OTHER HOURLY OPERATING DETAIL WORK DONE

TIME	CHEMICALS ADDED		From	To
	Kind	Amount		
9:22			12:00	12:45
JR	TOL		12:45	3:45
6 FT			3:45	4:00
FT			4:00	6:45
7 FT			6:45	8:00
FT				
4 FT				
9 FT				
FT	TOL		8:00	8:15
FT			8:15	1:45
FT	CALCIUM	50#	1:45	2:00
FT			2:00	4:00
FT				
3 FT				
0 FT	TOL		4:00	4:15
FEET	Oil	#1700	4:15	12:00
FEET	C.M.C.	#25		
FEET				
HOURS				
3:30 PM				

Delay
 Blow mud lines & Adjust BIT #16.
 Rig SERV & Blind Rams
 Run in of BIT #17.
 Pick up Kelly clean 50' of fill

Rig SERV. HYDRIL OK.
 Delay 8 1/4 hole
 Work on motor fuel lines
 Delay 8 1/4 hole.

RIG SERV / HYDRIL
 DRIG 8 1/4 HOLE

CREW DISCUSSED IMPORTANCE OF RIG CHECKS.

REPORTING TESTING FISHING DETAIL TOP DETAILS INCLUDING ENGINEERING SUMMARIES

BIT #14 SUBG 783352 WAS NOT RECORDED IN THIS TIME SHEET. IT SHOULD BE!

SIZE	SERIAL	WAS TIME	WAS SIZE	TOTAL HOURS	FROM	TO	TOTAL FEET
5 3/4	783352	3:30	2:11	3 1/2	6774	4752	5

Carlos Rojas
 SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR **NABORS** RIG NO **41**

FIELD **EAGLE HAINSWELL NAME JT 0-61**

LSD SEC TWP Rge W

DRILLING DEEPENING COMPLETING

REDRILLING ABANDONING REWORKING FOR 24 HOURS ENDING 12 MIDNIGHT **FEB 20**

1972

CHEMICAL
KIND

DRILLING ASSEMBLY		END OF MORNING TOUR		END OF DAYLIGHT TOUR		END OF AFTERNOON TOUR	
STANDS	D.P.	NO	4107 55 FT	NO	4138 12 FT	NO	4138 12 FT
SINGLE	D.P.	NO.	2985 FT	NO		NO	
X OVER SUB	O.D.		587 FT		587 FT		587 FT
OTHER TURN SUB	O.D.		250 FT		250 FT		250 FT
DRILL COLLARS 16 3/4	O.D.		12594 FT		12594 FT		12594 FT
DRILL COLLARS 16 1/4	O.D.	NO	48169 FT	NO	48169 FT	NO	48169 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.)			2050 FT		2050 FT		2750 FT
DEPTH OF TOOLS			4774 12 00 FT		4774 62 FT		4781 00 FT

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	4774 12 FEET	4774 FEET	4781 FEET
DEPTH START OF TOUR	4742 FEET	4774 FEET	4781 FEET
FOOTAGE DRILLED	5 FEET		1 FEET

DAY WORK	HOURS				HOURS							
	2:00 A.M.	4:00 A.M.	6:00 A.M.	8:00 A.M.	10:00 A.M.	12:00 A.M.	2:00 P.M.	4:00 P.M.	6:00 P.M.	8:00 P.M.	10:00 P.M.	12:00 P.M.
PUMP	65 1440	65 1460	65 1400						60 1200	60 1200	60 1200	
ROTARY SPEED		50							45	45	45	
WEIGHT ON BIT		25							30	30	30	
MUD WEIGHT		9.3	9.3	9.3	1.3				9.1	9.1	9.1	
VISCOSITY		65	64	71	94				80	80	80	
W.L.F.C.		5.0	5.0	5.0							5.0	
pH				9.0							9	
MUD LEVEL IN TANKS		2'7"		2'7"					2'7"		2'7"	

NO.	SIZE	SERIAL	BIT KIND AND TYPE	JET SIZES IN 1/32	TOTAL HOURS	FROM	TO	REMARKS
15.	8 3/4	911697	H. 100	1/2	1 1/2	4237	4242	S
	8 3/4	783352	SRUS	1/2 3/12	2 3/4	4774	4781	Run

CORE No.	No.	DST No.	FROM	TO	MUD ENGINEER'S REPORT
TYPE		PREFLOW	mins. I.H.P.	mins. O.S. I.F.P.	
FROM		ISI	mins. F.H.P.	mins. O.S. F.F.P.	
TO		VO	mins. I.S.T.P.	mins. O.S. G.T.S.	
Recovery		F.S.I.	mins. F.S.T.P.	mins. O.S. F.T.S.	
HOURS		COVERY			

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	G.W. HOYD	F. REICHERT	L. BIAUANT
DERRICKMAN	H. HIETALA	G. OSMACKENKO	J. BARNES
HELPER	T. PEDARZZINI	D. PHILLIPS	L. BAILEY
HELPER	P. PHILLIPS	D. DORRAN	E. HOLLAND
HELPER	P. LOUGHKIN	R. SQUARD	N. PARSON
FIREMAN			
TOOL PUSHER			

554
C.M.C.
Hed
Creston
RAN R
D.C.C.C
-AGE
ST-
ST-
BOARD
FOR 32
How

CHEVRON SOBCL W/M N PARKING

Time	CHEMICALS ADDED		From	To
	Kind	Amount		
9:22			12:00	12:15
JR			12:15	12:30
2 FT	GEL		12:30	2:45
FT	C.M.C	100#	2:45	3:00
7 FT			3:00	4:30
0 FT			4:30	8:00
4 FT				
9 FT				
FT	TC 23		9:00	9:30
FT			9:30	10:30
FT			10:30	11:30
FT			11:30	2:30
FT			2:30	2:45
FT			2:45	3:15
0 FT			3:15	4:00
0 FT	TC 23		4:00	4:15
FEET	Lead	800#	4:15	5:30
FEET	Caustic	50#	5:30	7:00
FEET			7:00	7:30
FEET			7:30	9:15
HOURS			9:15	12:00

OTHER HOURLY OPERATING DETAIL WORK DONE

Rig SERV ✓ 4 1/2 STMS.
 RUN IN 3 STMS
 PICK UP KELLY & CLEAN. 3 SINGLES TO BOTTOM
 WORK JUNK SUB.
 Dalg.
 CIRC & MIX MOD.
 CREW DISCUSSED THE PROPER AAIL TO PUT IN 000 VALVES.
 CIRCULATE & MIX MOD
 POLL 3 STANDS TIGHT
 WORK TIGHT SPOT & CIRCULATE
 TRIP OUT
 Rig SERV. BLIND RAIN OK.
 CLEAN JUNK 5.0
 TRIP IN
 NOTE PIPE TALLY 4742.00 STAMP TALLY 4774.62
 BIG SERV ✓ HIRRIE
 RUN IN HOLE
 BEAM BRIDGE @ 4087
 RUN IN 95745
 BEAM 100" OF FILL.
 DRUG 2 3/4 HOLE
 CREW DISCUSSES IMPORTANCE OF CROWN SAUER

CEMENTING TESTING FISHING SPECIAL JOB DETAILS INCLUDING ENGINEERING SUMMARIES

60	
4:20	
45	
30	
9.1	
9.0	
9.2	
9	
2:54	

RAN Reed SOBCL 1 1/4 BIT and JUNK SUB
 Recovered one ball bearing and several pieces of iron and
 LARGE pieces of pipe etc.
 STRAPPED pipes OUT OF THE HOLE
 STAMP TALLY 4774.62
 BOARD TALLY 4742.00
 DIFFERENCE + 32.62
 Conducted depth AT THE BEGINNING OF LAST NIGHT TOUR
 FOR 32 FT!
 Old depth 4742 FT KB
 Now depth 4774 FT KB

Carlos Rojas

SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR

NABORS

REG. NO.

4

FIELD *Eagle Hills* WELL NAME *ST 261*

USD

SEC

TWP

R. 1

W

DRILLING DEEPENING COMPLETING

REDRILLING ABANDONING REWORKING

FOR 24 HOURS ENDING 12 MIDNIGHT

FEB 17

1972

DRILLING ASSEMBLY		END OF MORNING TOUR				END OF DAYLIGHT TOUR				END OF AFTERNOON TOUR			
STANDS	D.P.	NO.	<i>420776</i>			NO.				NO.	<i>410785</i>		
SINGLE	D.P.	NO.				NO.				NO.	<i>2985</i>		
X OVER SUB	O.D.		<i>687</i>								<i>587</i>		
OTHER	O.D.												
DRILL COLLARS	O.D.		<i>6 7/4</i>				<i>12594</i>				<i>12594</i>		
DRILL COLLARS	O.D.	NO.				NO.	<i>39418</i>			NO.	<i>48169</i>		
REAMER	O.D.	KIND				KIND				KIND			
STABILIZER	O.D.	KIND				KIND				KIND			
JARS		KIND				KIND				KIND			
Blank SUB		KIND				KIND	<i>250</i>			KIND	<i>250</i>		
BIT OR CORE BARREL													
TOTAL D.P. & TOOLS													
KELLY DOWN (BELOW R.B.)													
DEPTH OF TOOLS			<i>4737</i>										

TOUR	MORNING TOUR				DAYLIGHT TOUR				AFTERNOON TOUR			
DEPTH END OF TOUR	<i>4737</i> FEET											
DEPTH START OF TOUR	<i>4137</i> FEET								<i>4737</i> FEET			
FOOTAGE DRILLED	<i>0</i> FEET											

DAY WORK	HOURS											
	2:00 A.M.	4:00 A.M.	6:30 A.M.	8:30 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	<i>TRIP</i>											
ROTARY SPEED												
WEIGHT ON BIT												
MUD WEIGHT	<i>9.3 9.3</i>											
VISCOSITY	<i>67 71</i>											
W.L.F.C.												
pH												
MUD LEVEL IN TANKS												

NO.	SIZE	SERIAL	BIT KIND AND TYPE	JET SIZES IN INCH	INITIAL HOURS	FROM	TO	REMARKS	DATE	INITIAL INCHES
<i>1st</i>	<i>8 3/4</i>	<i>911697</i>	<i>SEC 4 1/2</i>	<i>3/16 1/4</i>						

CORE No.	No.	DST No.	FROM	TO	MUD ENGINEER	DATE

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	<i>G. W. Hagedorn</i>	<i>F. REICHERT</i>	<i>J. Bruner</i>
DERRICKMAN	<i>H. Hiestera</i>	<i>G. Osmachenko</i>	<i>J. Bruner</i>
HELPER	<i>T. MEDARZINE</i>	<i>D. PHILLIPS</i>	<i>J. Baird</i>
HELPER	<i>P. Phillips</i>	<i>D. DORKEV</i>	<i>H. Hagedorn</i>
HELPER	<i>P. Dougherty</i>	<i>R. SAARD</i>	<i>D. Larson</i>
FIREMAN			
TOOL PUSHER			

CHEMICAL S.O.B.C. Wm North Park NY D-61

OTHER HOURLY OPERATING DETAIL WORK DONE

972
UR
5 FT
5 FT
7 FT
4 FT
9 FT
0 FT
FEET
FEET
HOURS
2:00 PM

Chemicals Added	From	To
	12:00	2:30
	2:30	8:00
	8:00	9:00
	9:00	9:30
	9:30	10:30
	10:30	1:30
	1:30	2:30
	2:30	2:45
	2:45	4:00
	4:00	5:00
	5:00	7:30
	7:30	7:45
	7:45	10:45
	10:45	12:00

RUN IN MAGNET
CIRC & CLEAN 35' OF FILL

CIRCULATE NEAR BOTTOM
BEGIN TRIP OUT W/ MAGNET.
CIRCULATE TIGHT SPOT
TRIP OUT W/ MAGNET.
BREAK OFF MAGNET & PICK UP BIT
RIG SEAV. BLIND RAMS OK.
TAIP IN.

PICK UP 3-6 1/4" COLLARS.
SLIP + CUT 100' DRILLING LINE
RIG SEAV W/ H/DRIK
STRAP IN HOLE - 4 7/8" x 1 1/2"
BLOW KELLY 4 BEAM 2 SINGLES

DISCUSS SAFETY PROCEDURES
WELL WILL TRIPPING

CEMENTING TESTING FISHING SPECIAL JOB DETAILS INCLUDING ENGINEERING SUMMARIES

SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR **NABORS DRLG** RIG NO. **1**
 FIELD **PARKIN** WELL NAME **CHEVRON** LSD **YT-D61** SEC **FWP** R/W **W**

DRILLING DEEPENING COMPLETING
 REDRILLING ABANDONING REWORKING FOR 24 HOURS ENDING **FEB 17** 1972

DRILLING ASSEMBLY		END OF MORNING TOUR				END OF DAYLIGHT TOUR				END OF AFTERNOON TOUR									
STANDS	D.P.	NO	40	13	45	FT	NO	40	13	45	FT	NO	40	17	85	FT			
SINGLE	D.P.	NO			31	43	FT	NO			62	72	FT	NO			FT		
X-OVER SUB	O.D.				5	87	FT						FT			5	87	FT	
OTHER	O.D.						FT						FT					FT	
DRILL COLLARS 6 3/4	O.D.				1	25	94	FT					1	25	94	FT			
DRILL COLLARS 6 1/4	O.D.	NO			3	97	18	FT	NO				3	97	18	FT	NO		
REAMER	O.D.	KIND					FT	KIND											
STABILIZER	O.D.	KIND					FT	KIND											
JARS		KIND					FT	KIND											
BUMPER SUB		KIND					FT	KIND											
BIT OR CORE BARREL							FT												
TOTAL D.P. & TOOLS							FT												
KELLY DOWN (BELOW R.B.)						41	00	FT								33	16	FT	
DEPTH OF TOOLS						46	12	70	FT							46	67	00	FT
TOUR			MORNING TOUR				DAYLIGHT TOUR				AFTERNOON TOUR								
DEPTH END OF TOUR			4	6	12	FEET			4	6	37	FEET			4	6	67	FEET	
DEPTH START OF TOUR			4	5	8	FEET			4	6	7	FEET			4	6	37	FEET	
FOOTAGE DRILLED						28	FEET				25	FEET						30	FEET

GEU - 1300
 JMS - 50"

DAY WORK	HOURS				HOURS				HOURS					
	2:00 AM	4:00 AM	6:30 AM	9:00 AM	12:00 AM	2:00 PM	4:30 PM	6:00 PM	8:00 PM	10:30 PM	12:00 AM	2:00 AM	4:00 AM	6:00 AM
PUMP	62/1450	62/1450	62/1450	62/1450	REPAIR PUMP				61/1400	61/1400	61/1400			
ROTARY SPEED	R.P.M.	40	40	40	40					42	42	42		
WEIGHT ON BIT	M lbs	40	40	40	40					40	40	40		
MUD WEIGHT	lb gal	9.4	9.4	9.4	9.4					9.7	6.1	9.5	9.5	
VISCOSITY	sec/st	84	85	87	86					33	15	104	97	
W.L.F.C.	cc. 32nd													
p.H.														
MUD LEVEL IN TANKS	Ft. Ins													

NO.	SIZE	SERIAL	BIT KIND AND TYPE	JET SIZES IN 1, 2, 3	TOTAL FEET	FROM	TO	FEET	BIT CONDITION
	8 3/4	086670	RG 7X	3/16, 1/2	30 1/2	4470	4612	142	RUNNING
					36 1/2	4470	4637	167	RUN
					42	4470	4667	197	RUNNING

CORE No.	No.	DST No.	FROM	TO	MUD ENGINEER'S REPORT
TYPE		PREFLOW	mins. FHP	ps. FHP	Time
FROM		ISI	mins. FHP	ps. FHP	Time
TO		VO	mins. FHP	ps. FHP	Time
Recovery		FST	mins. FHP	ps. FHP	Time
HOURS		RECOVERY			

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	F. REICHERT		F. REICHERT
DERRICKMAN	R. KENNEDY		G. OSMACHEM
HELPER	R. FILIPCHUK		D. PHILLIPS
HELPER	L. CURLETT		R. JAVARD
HELPER	T. SHANK		D. DOKKEN
FIREMAN			
TOOL PUSHER			

DEVIATION RECORD	Kind	Depth	Reading
	WIRE LINE	4610	1/4°

972
 UR
 5 FT
 FT
 7 FT
 FT
 4 FT
 8 FT
 FT
 FT
 FT
 6 FT
 0 FT
 FEET
 FEET
 FEET
 HOURS
 P.M.
 6/14/00
 42
 40
 9.5
 97

MATERIAL CHEMICALS ADDED		From	To
Kind	Amount		
TOL		1200	1215
		1215	730
		730	800
TOL		1200	1215
		1215	830
		830	230
		230	1100
TOL		400	630
GE-1300 #		630	1200
CMC-53 #			

OTHER HOURLY OPERATING EFFICIENCY WORK DONE

RIG SERVICE 4 1/2 KAMS OK
 DRILL 8 3/4 HOLE
 SURVEY @ 4610' 1/4"

~~DRILL RIG~~ SURVEY
 SURVEY
 SURVEY
 WORK ON PUMPS

WORK ON PUMP DRIVE BEARING
 DRILL 8 3/4 HOLE

CEMENTING TESTING FISHING SPECIAL JOB DETAILS INCLUDING ENGINEERING SUMMARIES

[Handwritten Signature]
 SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR **NABORS** RIG NO. **1**

FIELD **N. PARAID** WELL NAME **CHEVRON CORC SD 1T-D1** STC TWP Rpt W
 DRILLING DEEPENING COMPLETING
 REDRILLING ABANDONING REWORKING FOR 24 HOURS ENDING 12 MIDNIGHT **FEB 16 1972**

DRILLING ASSEMBLY		END OF MORNING TOUR		END OF DAYLIGHT TOUR		END OF AFTERNOON TOUR	
STANDS	D.P.	NO	391904	NO	391984	NO	901345
SINGLE	D.P.	NO	3147	NO	6271	NO	3143
X OVER SUB	O.D.		587				
OTHER	O.D.						
DRILL COLLARS 6 3/4	O.D.		12594		12574		2574
DRILL COLLARS 6 1/4	O.D.	NO	39418	NO		NO	
REAMER	O.D.	KIND		KIND	33418	KIND	29120
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.)			2270		2100		
DEPTH OF TOOLS			450000		44800		

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	4500 FEET	4543 FEET	1504 FEET
DEPTH START OF TOUR	4472 FEET	4500 FEET	4578 FEET
FOOTAGE DRILLED	28 FEET	43 FEET	36 FEET

	HOURS				HOURS						
	2:00 AM	4:00 AM	6:00 AM	8:00 AM	10:00 AM	12:00 PM	2:00 PM	4:00 PM	6:00 PM	8:00 PM	10:00 PM
PUMP	62 1400	62 1400	62 1400	62 1400	62 1400	62 1400	62 1400	62 1400	62 1400	62 1400	62 1400
ROTARY SPEED	50	50	50	50	50	50	50	50	50	50	50
WEIGHT ON BIT	35	35	35	35	35	35	40	40	40	40	40
MUD WEIGHT	1.1	9.1	9.2	1.2	9.2	9.3	9.3	9.3	9.3	9.3	9.3
VISCOSITY	17	95	92	110	15	85	80	77	77	80	81
W.L.F.C.	2	2	2	2	2	2	2	2	2	2	2

pH
MUD LEVEL IN TANKS

NO.	SIZE	SERIAL	BIT KIND AND TYPE	FEET	NO.	SIZE	SERIAL	BIT KIND AND TYPE	FEET
14	9 3/4	086670	H.W. 367 x	3 1/2	236	1470	4584	114	104

CORE	No.	No.	DST No.	FROM	TO	RECOVERY

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER			G. W. H. O. J. O.
DERRICKMAN		H. H. ETALA	G. OSMACHA
HELPER		T. PEDAZZINI	D. H. L. O. S.
HELPER		M. H. H. O. S.	D. D. K. K. I. N.
HELPER		J. L. A. R. O. U. A. L.	Y. S. A. V. A. R. D.
FIREMAN			
TOOL PUSHER			

TOUR REPORT

FIELD **N. PARKID** WELL NAME **CHEVRON**

CONTRACTOR **LABORS DRUG** NO. **1**

[] DRILLING [] DEEPENING [] COMPLETING

LSD **47-261** SEC TWP

[] REDRILLING [] ABANDONING [] REWORKING FOR 24 HOURS ENDING 12 MIDDNIGHT **FEBRUARY 15 1972**

DRILLING ASSEMBLY		END OF MORNING TOUR		END OF DAYLIGHT TOUR		END OF AFTERNOON TOUR	
STANDS	DP NO	391	984 FT	391	984 FT	291	984 FT
SINGLE	DP NO						
X OVER SUB	OD						
OTHER	OD						
DRILL COLLARS 6 3/4	OD	125	94 FT	125	94 FT	125	94 FT
DRILL COLLARS 6 3/4	OD NO	394	18 FT	394	18 FT	394	18 FT
REAMER	OD KIND						
STABILIZER	OD KIND						
JARS	KIND						
BUMPER SUB	KIND						
BIT OR CORE BARREL							
TOTAL DP & TOOLS							
KELLY DOWN (BELOW R B)		23	17 FT	23	17 FT	23	17 FT
DEPTH OF TOOLS		4470	00 FT	4470	00 FT		
TOUR		MORNING TOUR		DAYLIGHT TOUR		AFTERNOON TOUR	
DEPTH END OF TOUR		4470	FEET	4470	FEET	4472	FEET
DEPTH START OF TOUR			FEET		FEET	4470	FEET
FOOTAGE DRILLED		0	FEET	0	FEET	2	FEET

GEL
KEL-BAN

TOUR
GEL-...
24... 50

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	SD in PSI	65 1100	TRIP										
ROTARY SPEED	RPM	50											
WEIGHT ON BIT	M lbs	35											
MUD WEIGHT	lb gal	9.5	9.5	9.5									9.7
VISCOSITY	sec ct	100	200	200									140
WL F C	cc 32nd												
pH													
MUD LEVEL IN TANKS	FT. Ins												

NO.	SIZE	SERIAL	BIT KIND AND TYPE	FT. SIZES (IN. & FR.)	FROM	TO	REMARKS
13	8 3/4	253695	M88	2 1/4	36 1/4	4252	4470 218
14	6 3/4		A.W. RG7 X				

CORE No.	No.	DST No.	FROM	TO	DEPTH FEET	REMARKS
TYPE		PREFLOW	mins	FHP	mins	FHP
FROM		ISI	mins	FHP	mins	FHP
TO		VO	mins	FHP	mins	FHP
Recovery		FST	mins	FHP	mins	FHP
HOURS		RECOVERY				

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	F. REICHERT		G. W. HAYO
DERRICKMAN	R. KENNEDY	A. H. STATA	G. OSMACTANKO
HELPER	R. FILIPCHUK	T. POGORZELI	D. PHILLIPS
HELPER	L. CURLETT	G. CARDINAL	D. DUKKON
HELPER	T. SHANK	P. ALLIERS	B. SAVARD
FIREMAN		Ploughline	
TOOL PUSHER			

TOUR REPORT

CONTRACTOR

NAORS

WELL NO. *1*

FIELD *N. PARKIN*

WELL NAME *CHEVRON YT-041*

SECTION

TWP

RANGE

W

DRILLING DEEPENING COMPLETION

REDRILLING ABANDONING REWORKING

FOR 24 HOURS END AT 12 MIDNIGHT

FEB 14

1972

DRILLING ASSEMBLY	END OF MORNING TOUR		END OF DAYLIGHT TOUR		END OF AFTERNOON TOUR						
STANDS	D.P.	NO	382651	FT	NO	382651	FT	NO	382651	FT	
SINGLE	D.P.	NO		FT	NO	3152	FT	NO		FT	
X OVER SUB	O.D.		587	FT		587	FT		587	FT	
OTHER	O.D.			FT			FT			FT	
DRILL COLLARS <i>6 3/4</i>	O.D.		125	94	FT	125	94	FT	125	94	FT
DRILL COLLARS <i>6 1/4</i>	O.D.	NO	39383	FT	NO	39383	FT	NO	39383	FT	
REAMER	O.D.	KIND		FT	KIND		FT	KIND		FT	
STABILIZER	O.D.	KIND		FT	KIND		FT	KIND		FT	
JARS		KIND		FT	KIND		FT	KIND		FT	
BUMPER SUB		KIND		FT	KIND		FT	KIND		FT	
BIT OR CORE BARREL				FT			FT			FT	
TOTAL D.P. & TOOLS				FT			FT			FT	
KELLY DOWN BELOW R.B.			2150	FT			FT			FT	
DEPTH OF TOOLS			4375.00	FT		4420.00	FT		4420.00	FT	
TOUR	MORNING TOUR		DAYLIGHT TOUR		AFTERNOON TOUR						
DEPTH END OF TOUR			4375	FEET	4420	FEET	4420	FEET			
DEPTH START OF TOUR			4330	FEET	4375	FEET	4420	FEET			
FOOTAGE DRILLED			45	FEET	45	FEET	42	FEET			

DAY WORK	HOURS				HOURS				HOURS			
	2:00 AM	4:00 AM	6:00 AM	8:00 AM	10:00 AM	12:00 PM	2:00 PM	4:00 PM	6:00 PM	8:00 PM	10:00 PM	12:00 AM
PUMP	<i>63</i>	1000			<i>63</i>	<i>00</i>	<i>05</i>	<i>05</i>	<i>05</i>	<i>05</i>	<i>05</i>	<i>05</i>
ROTARY SPEED	<i>55</i>	1000			<i>55</i>	<i>45</i>						
WEIGHT ON BIT	<i>30</i>	1000			<i>30</i>	<i>30</i>	<i>25</i>					
MUD WEIGHT	<i>9.4</i>	1000			<i>9.4</i>	<i>1.2</i>	<i>1.5</i>	<i>1.5</i>	<i>9.5</i>	<i>9.5</i>	<i>9.5</i>	<i>9.5</i>
VISCOSITY	<i>125</i>	<i>130</i>	<i>140</i>	<i>140</i>	<i>110</i>	<i>115</i>	<i>105</i>	<i>15</i>	<i>40</i>	<i>115</i>	<i>100</i>	
W.L.F.C.		1000							<i>2/32</i>	<i>2/32</i>	<i>2/32</i>	
p.H.		1000										
MUD LEVEL IN TANKS	FT. INS.											

NO.	SIZE	SERIAL	BIT KIND AND TYPE	BIT SIZE	TOOL JOINT	W.T.	W.L.	W.D.	W.H.	W.T.
<i>13</i>	<i>8 3/4</i>	<i>253695</i>	<i>m BB</i>	<i>4 3/4</i>	<i>24</i>	<i>4252</i>	<i>11.2</i>	<i>21.0</i>	<i>6.6</i>	<i>3.0</i>

CORE No.	No.	DST No.	FROM	TO	RECOVERY

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	<i>F. REICHERT</i>		<i>G. Lloyd</i>
DERRICKMAN	<i>R. KENNEDY</i>	<i>H. H. VITALA</i>	<i>G. ORTMACHARO</i> WIRE LINE 4336 2°
HELPER	<i>R. FILIPCHUK</i>	<i>T. PIZZAZZINI</i>	<i>D. PHILLIPS</i> 1060 1420 1°
HELPER	<i>K. CURLETT</i>	<i>R. PHILLIPS</i>	<i>D. JOHNSON</i>
HELPER	<i>T. SHANK</i>	<i>G. CALVERT</i>	<i>R. SHAW</i>
FIREMAN		<i>P. ...</i>	
TOOL PUSHER			

CHEVRON 5030 WM N HARKIN YTD 01

OTHER HOURLY OPERATING DETAIL
WORK DONE

1972	CHEMICALS ADDED		From	To
	Kind	Amount		
DUR	TOU		1200	1215
1 FT			1215	130
FT			130	800
7 FT				
FT				
14 FT				
25 FT				
FT	TOU		800	815
FT			815	
FT	CAC	50		
FT				
FT				
FT				
FT				
0 FT	TOU			
R	600	1200	1205	1230
FEET			1230	1240
FEET			1240	1250
FEET			1250	1255
HOURS				
12:00 PM				
6:5				
1800				

Rig Serv CHECK HYDRIC.
SURVEIL @ 4326 2°
DRLG 8 3/4

Discussed Blow-outs.

RIG SERV. BLOW OUT DRILL
DRLG 8 3/4 HOLE.

DISCUSSED BLOW-OUTS

DISCUSSED BLOW-OUTS

DISCUSSED BLOW-OUTS

CEMENTING TESTING FINISHING OPERATIONAL JOB DETAILS INCLUDING ENGINEERING SUMMARIES

35
45
100
4 1/2

20
10

[Handwritten Signature]

SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR **NABORS DELG** RIG NO **1**

FIELD **N PARKIN** WELL NAME **CHEVRON SOB** LSD **YF-D-41** SEC **TWP** Rpt **W**

DRILLING DEEPENING COMPLETING
 REDRILLING ABANDONING REWORKING FOR 24 HOURS ENDING 12 MIDNIGHT **FEBRUARY #13 1972**

DRILLING ASSEMBLY		END OF MORNING TOUR			END OF DAYLIGHT TOUR			END OF AFTERNOON TOUR		
STANDS	D.P.	NO	369007 FT		NO	33417 FT		NO	25004 FT	
SINGLE	D.P.	NO	6257 FT		NO			NO	10 FT	
X OVER SUB	O.D.		587 FT						FT	
OTHER	O.D.		587 FT						FT	
DRILL COLLARS	O.D.		52012 FT			1002 FT			2 FT	
DRILL COLLARS	O.D.	NO	FT		NO	FT		NO	FT	
REAMEP	O.D.	KIND	FT		KIND	FT		KIND	FT	
STABILIZER	O.D.	KIND	FT		KIND	FT		KIND	FT	
JARS		KIND	FT		KIND	FT		KIND	FT	
BUMPER SUB		KIND	FT		KIND	FT		KIND	FT	
BIT OR CORE BARREL			FT			FT			FT	
TOTAL D.P. & TOOLS			FT			FT			FT	
KELLY DOWN BELOW R B			2397 FT			700 FT			2900 FT	
DEPTH OF TOOLS			425210 FT			128000 FT			232000 FT	
TOUR			MORNING TOUR		DAYLIGHT TOUR		AFTERNOON TOUR			
DEPTH END OF TOUR			425210 FEET		4280 FEET		4330 FEET			
DEPTH START OF TOUR			FEET		4252 FEET		4280 FEET			
FOOTAGE DRILLED			FEET		28 FEET		50 FEET			

GEL
TO
GEL
CME
TO
GEL
CME

DAY WORK	HOURS					HOURS				
	2:00 AM	4:00 AM	6:00 AM	8:00 AM	10:00 AM	12:00 AM	2:00 PM	4:00 PM	6:00 PM	8:00 PM
PUMP	64 1050	64 1050	64 1050	64 1050	64 1050					
ROTARY SPEED	55					55				
WEIGHT ON BIT						25m				
MUD WEIGHT	9.4	9.4	9.4	9.4	9.4					
VISCOSITY	150	152	152	152	145					
W.L.F.C.										
pH										
MUD LEVEL IN TANKS										

NO.	SIZE	SERIAL	BIT	KIND	NO.	TYPE	NO.	DATE
13	8 3/4	120695		2188	23-11	122	152	2-19

CORE No.	No.	DATE	DEPTH	REMARKS

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	F. REICHERT	F. REICHERT	[Signature]
DERRICKSMAN	P. HENNEDEY	[Signature]	[Signature]
HELPER	R. FILIPCHAK	[Signature]	[Signature]
HELPER	L. CURLETT	[Signature]	[Signature]
HELPER	T. SHANK	[Signature]	[Signature]
FIREMAN			
TOOL PUSHER			

1972		CHEMICALS ADDED		From	To
DUR	Kind	Amount			
	TO - 1			1200	1215
4 FT	GEL	1500 ⁰⁰		1215	800
10 FT					
FT					
FT					
2 FT					
FT					
FT	TO - 2			100	815
FT	GEL	1000 ⁰⁰		815	1115
FT	CMC	50 ⁰⁰		1115	1130
FT					
FT					
FT					
10 FT					
00 FT	TO - 3			11 ⁰⁰	113
R	GEL	1000 ⁰⁰			1130
FEET	CMC	50 ⁰⁰			
FEET					
FEET					
HOURS					
2 P.M.					

OTHER HOURLY OPERATING DETAIL
WORK DONE

RIG SERV. 4 1/2 RAMS OK.
CLEAN FROM 2622 TO 4100

RIG SERV. CHECK HYDRIL.
CLEAN FROM 4100 TO 4252
DRILL 8 1/4 HOLE.

FOR GEL & MOTOR SET AT 3.
- 264

CEMENTING TABLES, FORMS, SPECIAL OPERATIONAL DETAILS, INCLUDING ENGINEERING SUMMARIES

[Handwritten Signature]
SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR **MARORS DRUG** (RIG NO. 1)

FIELD **N. PARKIN**

WELL NAME **CHEMPON SOB**

LSID **YT-D1** SEC

TWF

Rat

W

- DRILLING DEEPENING COMPLETING
 REDRILLING ABANDONING REWORKING

FOR 24 HOURS ENDING 12 MIDNIGHT

FEB. 12

1972

DRILLING ASSEMBLY		END OF MORNING TOUR			END OF DAYLIGHT TOUR			END OF AFTERNOON TOUR					
STANDS	D.P.	NO.	3640	07	FT	NO.	3640	07	FT	NO.	3640	07	FT
SINGLE	D.P.	NO.		62	57	FT							FT
X OVER SUB	O.D.			587	FT								FT
OTHER	O.D.				FT								FT
DRILL COLLARS 4 - 6 3/4	O.D.		520	12	FT		520	12	FT		520	12	FT
DRILL COLLARS 13 - 6 1/4	O.D.	NO.			FT	NO.			FT	NO.			FT
REAMER	O.D.	KIND			FT	KIND			FT	KIND			FT
STABILIZER	O.D.	KIND			FT	KIND			FT	KIND			FT
JARS		KIND			FT	KIND			FT	KIND			FT
BUMPER SUB		KIND			FT	KIND			FT	KIND			FT
BIT OR CORE BARREL					FT				FT				FT
TOTAL D.P. & TOOLS					FT				FT				FT
KELLY DOWN (BELOW R.B.)			23	97	FT				FT				FT
DEPTH OF TOOLS			4252	10	FT		4252	10	FT		4252	10	FT
TOUR		MORNING TOUR				DAYLIGHT TOUR				AFTERNOON TOUR			
DEPTH END OF TOUR			4152		FEET				FEET				FEET
DEPTH START OF TOUR					FEET				FEET				FEET
FOOTAGE DRILLED					FEET				FEET				FEET

TO
 Gen 50
 CAUSTIC 50
 emc 50
 TO 10
 G... 160
 2 in C 100

DAY WORK	HOURS						PUMPS
	2:00 A.M.	4:00 A.M.	6:00 A.M.	8:00 A.M.	10:00 A.M.	12:00 P.M.	
PUMP	/						
ROTARY SPEED	55						
WEIGHT ON BIT	-						
MUD WEIGHT	9.1	9.1	9.1	9.1	9.1	9.1	
VISCOSITY	70	83	85	85	80		
WL F.C.	/						
pH							
MUD LEVEL IN TANKS							

NO.	SIZE	SERIAL	BIT KIND AND TYPE	FEET
13	8 1/4	253695	M 28	3-11

CORE No.	No.	OST No.	PROD.
TYPE		PREFLOW	
FROM			
TO			
RECOVERY			
HOURS		RECOVERY	

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	F. REICHERT	A. J. ...	G. W. ...
DERRICKMAN	R. KENNEDY	T. ...	S. ...
HELPER	R. FILIPCHUK	T. ...	D. ...
HELPER	L. CULLETT	S. ...	S. ...
HELPER	T. SHANK	T. ...	R. ...
FIREMAN		A. ...	
TOOL PUSHER			

1972	CHEMICALS ADDED		From	To
	Kind	Amount		
OUR	TOL-1		1200	1215
27 FT	GEN 50#	500#	1215	800
FT	CAUSTIC 50#	50#		
FT	CMC 50#	50#		
FT				
2 FT				
FT				
FT	TOL-2		800	815
FT	GEN 100#		815	100
FT	CAUSTIC 50#			
FT				
FT				
FT				
0 FT	TOL-3		1100	1115
R	GEN 160#		1115	1340
FEET	GEN 100#			
FEET	CMC 100#			
FEET				
HOURS				
12:00 PM				

OTHER HOURLY OPERATING DETAIL WORK DONE

RIG SERV. CHECK 4 1/2 RAMPS
CLEAN FILL FROM 1200' TO 1250'

RIG SERVICE
CLEAN FILL FROM 2850 TO 2943

RIG SERV. HYDRANT
CLEAN FILL FROM 3443 TO 3632

CEMENTING TESTING MINOR REPAIR DETAILS INCLUDING ENGINEERING SUMMARIES

TOUR REPORT

CONTRACTOR **NABORS DRILLING** RIG NO. **1**

FIELD **N. PARKIN** WELL NAME **CHEVRON SOBCC** LSD **TT-D01** SEC TWP R₁₀ W

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

DRILLING ASSEMBLY	END OF MORNING TOUR				END OF DAYLIGHT TOUR				END OF AFTERNOON TOUR						
STANDS D.P.	NO	3	640	07	FT	NO	3	640	07	FT	NO	3	640	07	FT
SINGLE D.P.	NO		62	57	FT	NO		62	57	FT	NO		62	57	FT
X-OVER SUB O.D.			587		FT			587		FT			587		FT
OTHER O.D.					FT					FT					FT
DRILL COLLARS 6 3/4 O.D.					FT					FT					FT
DRILL COLLARS 6 1/4 O.D.	NO		520	12	FT	NO		520	12	FT	NO				FT
REAMER O.D.	KIND				FT	KIND				FT	KIND				FT
STABILIZER O.D.	KIND				FT	KIND				FT	KIND				FT
JARS	KIND				FT	KIND				FT	KIND				FT
BUMPER SUB	KIND				FT	KIND				FT	KIND				FT
BIT OR CORE BARREL					FT					FT					FT
TOTAL D.P. & TOOLS					FT					FT					FT
KELLY DOWN (BELOW R.B.)			23	97	FT			23	97	FT			23	97	FT
DEPTH OF TOOLS			425	210	FT			425	210	FT			425	210	FT

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

DAY WORK	MORNING TOUR				DAYLIGHT TOUR				AFTERNOON TOUR			
	2:30 AM	4:00 AM	6:30 AM	8:00 AM	10:00 AM	12:00 AM	2:00 PM	4:00 PM	6:00 PM	8:00 PM	10:00 PM	
PUMP S.P.M. D.S.												
ROTARY SPEED R.P.M.												
WEIGHT ON BIT M.lbs												
MUD WEIGHT lb.gal												
VISCOSITY sec.qt												
W.L.F.C. 32nd												

pH	
MUD LEVEL IN TANKS Ft. lbs	

NO.	SIZE	SERIAL	BIT KIND AND TYPE	FT. DOWN	RECOVERY

CORE No	No	DST No	PREFLOW	RECOVERY

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER			
DERRICKMAN			
HELPER			
HELPER			
HELPER			
FIREMAN			
TOOL PUSHER			

GEL

20 P
 2000
 C.M.C.

TOUR REPORT

CONTRACTOR

RIG NO

FIELD _____ WELL NAME _____ LSD _____ SEC _____ TWP _____ Rte _____ W _____

DRILLING DEEPENING COMPLETING

REDRILLING ABANDONING REWORKING FOR 24 HOURS ENDING 12 MIDNIGHT *Electric* 1972

DRILLING ASSEMBLY		END OF MORNING TOUR				END OF DAYLIGHT TOUR				END OF AFTERNOON TOUR			
STANDS	D.P.	NO.			FT.	NO.			FT.	NO.			FT.
SINGLE	D.P.	NO.			FT.	NO.			FT.	NO.			FT.
X OVER SUB	O.D.				587	FT.			587	FT.			587
OTHER	O.D.					FT.				FT.			
DRILL COLLARS	<i>6 3/4</i>	O.D.			12594	FT.			12594	FT.			12594
DRILL COLLARS	<i>6 1/4</i>	O.D.	NO.		38383	FT.	NO.		38383	FT.	NO.		38383
REAMER	O.D.		KIND			FT.	KIND			FT.	KIND		
STABILIZER	O.D.		KIND		553	FT.	KIND		553	FT.	KIND		553
JARS			KIND			FT.	KIND			FT.	KIND		
BUMPER SUB			KIND			FT.	KIND			FT.	KIND		
BIT OR CORE BARREL						FT.				FT.			
TOTAL D.P. & TOOLS						FT.				FT.			
KELLY DOWN (BELOW R.B.)						FT.			2829	FT.			3782
DEPTH OF TOOLS					425210	FT.			425210	FT.			425210

DAY WORK	MORNING TOUR				DAYLIGHT TOUR				AFTERNOON TOUR			
	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.	/				/				/			
pH	/				/				/			
MUD LEVEL IN TANKS	/				/				/			

NO.	SIZE	SERIAL	BIT KIND	NEW	DATE	REMARKS

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRIVER	<i>L. Bianchi</i>	F. REICHERT	G. Lloyd
DERRICKMAN	<i>J. Buresness</i>	R. KENNEDY	H. HIGHTMAN
HELPER	<i>L. Baich</i>	R. FILIPCHUK	T. BOGARZINI
HELPER	<i>D. Phillips</i>	L. CURLETT	G. CARDINAL
HELPER	<i>Ed. Holland</i>	T. SHANK	P. Langthorn
FIREMAN			
TOOL PULLER			

CHEVRON S OBC WMH PAPERHAY D-61

Drugs and CHEMICALS ADDED		From	To	OTHER HOURLY OPERATING DETAIL WORK DONE
Kind	Amount			
1972		12 ⁰⁰	6 ⁰⁰	CIRCUIT WORK PIPE + PULL OUT OF HOLE
DUR				MAKEUP NEW BIT + CHANGE STABILIZER
7 FT		6 ⁰⁰		
17 FT			8 ⁰⁰	
FT				
FT				
92 FT				Discuss safety of Pop Valves.
3 FT				pumps + valves.
FT				
3 FT		8 ⁰⁰	8 ¹⁵	RIG SERVICE & CHECK HYDRIL
FT		8 ¹⁵	9 ⁴⁵	TRIP IN & STICK PIPE
FT		9 ⁴⁵	11 ⁴⁵	CLEAN SLL AT & 1800' KB TO 2000' KB
FT		11 ⁴⁵	12 ⁰⁰	CIRCULATE HOLE & MIX mud TO CLEAN HOLE
FT				
2 FT				
10 FT		4 ⁰⁰	5 ⁰⁰	GRAB CONDITION HOLE MUD.
FT		5 ⁰⁰	7 ⁰⁰	WOSTA LAY DOWN STALL CHANGE 10 FT IN
FEET		7 ⁰⁰	7 ¹⁵	RIG SERV. V3 LIND RAMS.
FEET		7 ¹⁵	8 ¹⁰	RUN IN (STRAP PIPE)
FEET		8 ³³	12 ⁰⁰	PICK UP KEYLY & CLEAN HOLE AT 1000
HOURS				DISCUSS USE OF SPINNING CHAIN
12:30 PM				CHAIN TONGS.

CEMENTING TESTING RECORDS SPECIAL FOR DETAILS INCLUDING ENGINEERING SUMMARIES

[Handwritten Signature]
SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR **NABORS**

RIG NO **1**

FIELD **EAGLE PLAINS** WELL NAME

LSD SEC TWP Rpt W

CHEVRON-SOBE.

DRILLING DEEPENING COMPLETING

REDRILLING ABANDONING REWORKING FOR 24 HOURS ENDING 12 MIDNIGHT

FEBRUARY 9 1974

DRILLING ASSEMBLY		END OF MORNING TOUR		END OF DAYLIGHT TOUR		END OF AFTERNOON TOUR	
STANDS	D.P. NO	364007 FT		364007 FT		364007 FT	
SINGLE	D.P. NO	FT		6257 FT		6257 FT	
X OVER SUB	O.D.	587 FT		587 FT		587 FT	
OTHER	O.D.	FT		FT		FT	
DRILL COLLARS	6 3/4 O.D.	12594 FT		12594 FT		12594 FT	
DRILL COLLARS	6 1/4 O.D.	38383 FT		38383 FT		38383 FT	
REAMER	O.D.	FT		FT		FT	
STABILIZER	O.D.	482 FT		432 FT		482 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.)		FT		1855 FT		1855 FT	
DEPTH OF TOOLS		420800 FT		425210 FT		425210 FT	

TOOL
GEL
CAUSTIC
PLASTER

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	4208 FEET	4252 FEET	4252 FEET
DEPTH START OF TOUR	4128 FEET	4208 FEET	FEET
FOOTAGE DRILLED	80 FEET	44 FEET	FEET

DAY WORK	HOURS				HOURS				HOURS			
	2:00 AM	4:00 AM	6:00 AM	8:00 AM	10:00 AM	12:00 PM	2:00 PM	4:00 PM	6:00 PM	8:00 PM	10:00 PM	12:00 PM
PUMP	1600	60	60	60	60	1650	60	1650	60	1650	60	1650
ROTARY SPEED	50	50	50	50	50	55	61	55				
WEIGHT ON BIT	30	30	30	30	30	30	25	30				
MUD WEIGHT	9.0	9.0	9.0	9.0								
VISCOSITY	58	58	58	58								
W.L.F.C.												

pH
MUD LEVEL IN TANKS

NO.	SIZE	SERIAL	BIT RIGGED	DATE	NO.	SIZE	SERIAL	BIT RIGGED	DATE
?	7 3/4	58863	H.W. J.	33	7 1/2	10314	2570	4252	1682

STAGE	NO.	NO.	DIST. NO.	FROM	TO	RECOVERY	HOURS
CORE							
TYPE							
FROM							
TO							
RECOVERY							
HOURS							

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	<i>A. Briault</i>	<i>F. Keichert</i>	<i>G. Lloyd</i>
DERRICKMAN	<i>F. Parsons</i>	<i>K. Hancock</i>	<i>H. Hestala</i>
HELPER	<i>L. Baich</i>	<i>K. Fieldchuk</i>	<i>R. Kozmin</i>
HELPER	<i>D. Phillips</i>	<i>L. Carlett</i>	<i>H. Parson</i>
HELPER	<i>H. Highland</i>	<i>T. Shank</i>	<i>S. Cardinal</i>
FIREMAN			
TOOL PUSHER			

CHEVRON-SOBE. Usm N. PARKIN Y T- D-61

OTHER HOURLY OPERATING DETAIL
WORK DONE

		MATERIALS CHEMICALS ADDED		From	To	
		Kind	Amount			
1972				12 ⁰⁰	14 ¹⁵	DRILL.
DUR		TOL-		14 ¹⁵	2 ⁰⁰	RIG SERV & BORS.
7	FT	GEL	600 ⁴	2 ⁰⁰	2 ³⁰	SURVEY @ 4148 1 1/2
7	FT	CAUSTIC	50 ⁴	2 ³⁰	8 ⁰⁰	DRILL.
7	FT	PLASTER	800 ⁴			
	FT					
4	FT					
3	FT					DRILL DISCUSSED SAFETY OF KEEPING
	FT	TOL-				GUARDS ON MOVING PARTS.
2	FT			8 ⁰⁰	8 ¹⁵	RIG SERVICE CHECK 4 1/2" Rams.
	FT			8 ¹⁵	12 ¹⁵	DRILL 8 3/4
	FT			12 ¹⁵	12 ⁴⁵	SURVEY @ 4242 - 2°
	FT			12 ⁴⁵	2 ³⁰	DRILL 8 3/4
	FT			2 ³⁰	3 ⁴⁵	CING SAMPLE AND CLEAN HOLE
5	FT			3 ⁴⁵	4 ⁰⁰	DROP SURVEY
0	FT	TOL-		4 ³⁰		
	FEET				12 ⁰⁰	HOST BIT #12. HOLE TIGHT
	FEET					RICK UP RISKY LOW WORK RISK.
	FEET					RIG SERV & CROWN STOPPER.
	FEET					BEFORE COMING OUT O.F. HOLE.
HOURS						
12:00 P.M.						

CEMENTING, TESTING, CLEANING, ETC. FOR DETAILS INCLUDING ENGINEERING SUMMARIES

TOUR REPORT

CONTRACTOR **NABORS**

RIG NO **1st**

FIELD **EAGLE PLAINS** WELL NAME

LSD SEC TWP

CHEMCON

DRILLING DEEPENING COMPLETING

REDRILLING ABANDONING REWORKING FOR 24 HOURS ENDING 12 MIDNIGHT

FEB. 8

1972

DRILLING ASSEMBLY		END OF MORNING TOUR		END OF DAYLIGHT TOUR		END OF AFTERNOON TOUR	
STANDS	D.P. NO	3	35886 FT	NO	245345 FT	NO	
SINGLE	D.P. NO		3171 FT	NO		NO	
X OVER SUB	O.D.		587 FT		517 FT		587 FT
OTHER	O.D.						
DRILL COLLARS	O.D.		12594 FT		2594 FT		111 FT
DRILL COLLARS	O.D. NO KIND		38383 FT	NO KIND	38383 FT	NO KIND	38383 FT
REAMER	O.D. KIND						
STABILIZER	O.D. KIND		482 FT		482 FT		482 FT
JARS							
BUMPER SUB							
BIT OR CORE BARREL							
TOTAL D.P. & TOOLS							
KELLY DOWN (BELOW R.B.)							
DEPTH OF TOOLS			3950 FT		4052 FT		
TOUR		MORNING TOUR		DAYLIGHT TOUR		AFTERNOON TOUR	
DEPTH END OF TOUR			3950 FEET		4052 FEET		4128 FEET
DEPTH START OF TOUR			3825 FEET		3950 FEET		4052 FEET
FOOTAGE DRILLED			125 FEET		102 FEET		76 FEET

DAY WORK	HOURS				HOURS				HOURS			
	2:00 A.M.	4:00 A.M.	6:00 A.M.	8:00 A.M.	10:00 A.M.	12:00 P.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	60	60	60	60	60	60	60	60	60	60	60	60
ROTARY SPEED	55	55	55	55	55	55	55	55	55	55	55	55
WEIGHT ON BIT	25	30	30	30	30	30	30	30	30	30	30	30
MUD WEIGHT	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0
VISCOSITY	52	53	55	55	60	60	60	60	54	58	62	61
W.L.F.C.												

pH
MUD LEVEL IN TANKS

NO.	SIZE	SERIAL	BIT KIND AND TYPE	REMARKS
12	8 3/4	58863	H.W. J. 33	3 1/2 2520 2128 1558

CORE NO.	NO.	DATE	DEPTH	REMARKS

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	L. Bessant	R. Keyser	G. Whitely
DERRICKMAN	J. Bessant	R. Keyser	H. H. Stala W.L. 3909
HELPER	A. Bessant	R. Keyser	T. Paganini Total 4033
HELPER	D. Phillips	L. Conklin	V. Paganini
HELPER	G. H. H. H.	P. Loughran	G. C. Adair
FIREMAN		T. Shank	
TOOL PUSHER			

CHEMICALS S.A.B.C. N. PARKIN

D-61

MATERIALS AND CHEMICALS ADDED		From	To
1972	Kind	Amount	
	TOL	12:30	5:15
		5:15	5:30
1 FT	16-20#	5:30	6:00
1 FT	300#	6:00	7:00
2 FT			
1 FT			
1 FT			
3 FT			
1 FT	TOL	8:00	10:45
2 FT	C.P.	10:45	11:00
1 FT	C.P.	11:00	11:15
1 FT	16-20#	11:15	12:45
1 FT	16-20#	12:45	1:15
1 FT		1:15	1:45
1 FT		1:45	2:30
1 FT		2:30	3:00
1 FT	TOL		
	16-20#	3:00	4:30
		4:30	4:45
		4:45	5:00

OTHER HOURLY OPERATING DETAIL WORK DONE

DRLG.
 RID SERU ✓ HYDRIC
 SURVEY @ 3989-10
 DRLG.

Crew discussed where fire extinguishers are kept, & how to use them

DRLG.
 REPAIR HEAD GASKET - D-700 PUMP
 RID SERU ✓ BOPS.

DRLG.
 REPAIR HEAD GASKET D-700.

DRLG.
 SURVEY @ 4033 1/4.

DRLG.
 CREW DISCUSSED KEEPING TONGS IN GOOD SHAPE.

DRLG.
 RID SERU ✓ HYDRIC

DRLG.
 SCOTLAND PAKS W/BAK ✓ ALL WERE O.K.

CREW DISCUSSED SAFE PRACTICES WHILE PULLING PIPES COLLARS CASING ETC

CEMENTING, TESTING, FITTING, RECORDING, AND DETAILING, INCLUDING ENGINEERING SUMMARIES

60
 1650
 55
 30
 91
 61

John Dojca
 SIGNATURE COMPANY ENGINEER

CHEVRON SOBC N. PARKIN D-61

OTHER HOURLY OPERATING DETAIL
WORK DONE

1972	CHEMICALS ADDED		From	To	OTHER HOURLY OPERATING DETAIL WORK DONE
	Kind	Amount			
OUR	TO:		12:00	2:00	DRLG.
73 FT	GER	800#	2:00	2:15	RIG SERU ✓ BOPS
FT	HAZAN	35KS.	2:15	2:45	SURVEY @ 3539-314
FT			2:45	8:00	DRLG.
FT	DESIGNER.				CHECK ESCAPE BUGGIE - O.K.
FT	OF 9.0				
94 FT	U.F 10.4				CREW DISCUSSED HAZARDS OF
93 FT					ICED UP EQUIPMENT
FT	TOL		8:00	11:15	DRLG.
82 FT			11:15	11:30	RIG SERU ✓ BOPS.
FT			11:30	12:00	SURVEY
FT			12:00	4:00	DRLG.
FT					CREW DISCUSSED SAFETY AT
FT					✓ DOOR.
FT	TOL		4:00	4:45	DRLG.
R			4:45	5:00	RIG SERU ✓ PIPE RAN'S.
FEET			5:00	6:45	DRLG.
FEET			6:45	7:30	SURVEY STEES
FEET			7:30	12:00	DRLG.
HOURS					CREW DISCUSSED HAZARDS
12:00 P.M.					OF MEN WORKING OVERHEAD.

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

9.0
61

14.0
1.74
1.74
1.74

TOUR REPORT

CONTRACTOR **NABORS**

WELL NO. **1**

CHEURON

FIELD **EAGLE PLAIN** WELL NAME

USD SEC TWP R1E W

DRILLING DEEPENING COMPLETING

REDRILLING ABANDONING REWORKING

FOUR 24 HOURS ENDING 12 MIDNIGHT **FEB 6**

1972

DRILLING ASSEMBLY	END OF MORNING TOUR		END OF DAYLIGHT TOUR		END OF AFTERNOON TOUR							
STANDS	DP	NO	261158	FT	NO	279737	FT	NO				FT
SINGLE	DP	NO	3145	FT	NO		FT	NO				FT
X-OVER SUB	OD		587	FT		587	FT			587	FT	
OTHER	OD			FT			FT					FT
DRILL COLLARS	OD		12594	FT		12594	FT			12594	FT	
DRILL COLLARS	OD	NO	38383	FT	NO	38383	FT	NO		38383	FT	
REAMER	OD	KIND		FT	KIND		FT	KIND				FT
STABILIZER	OD	KIND	482	FT	KIND	482	FT	KIND		482	FT	
JARS		KIND		FT	KIND		FT	KIND				FT
EUMPER SUB		KIND		FT	KIND		FT	KIND				FT
B.T OR CORE BARREL				FT			FT					FT
TOTAL DP & TOOLS				FT			FT					FT
KELLY DOWN (BELOW R.B.)			3800	FT		4100	FT			3100	FT	
DEPTH OF TOOLS			320000	FT		335400	FT			349400	FT	
TOUR	MORNING TOUR		DAYLIGHT TOUR		AFTERNOON TOUR							
DEPTH END OF TOUR			3200	FEET		3354	FEET			3494	FEET	
DEPTH START OF TOUR			3144	FEET		3200	FEET			3354	FEET	
FOOTAGE DRILLED			59	FEET		154	FEET			140	FEET	

GEL
KALZAN
DOWICIDE B
CAUSTIC

DAY WORK	HOURS											
	2:30 AM	4:00 AM	6:30 AM	8:00 AM	10:30 AM	12:00 PM	2:00 PM	4:00 PM	6:00 PM	8:00 PM	10:00 PM	12:00 AM
PUMP	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
ROTARY SPEED	55	55	55	55	55	55	55	55	55	55	55	55
WEIGHT ON BIT	25	25	25	25	25	25	25	25	25	25	25	25
MUD WEIGHT	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1
VISCOSITY	30	35	80	70	72	70	62	50	50	50	50	50

D.H. **DESIRER O.P. 9.0**
MUD LEVEL IN TANKS **5 G.P.M. U.P. 10.0**

NO	SIZE	SERIAL	BIT KIND AND TYPE	EST. SIZE IN IN.	EST. LENGTH IN IN.	EST. WEIGHT IN LB.	EST. GRAVITY
12	8 3/4	J8863	H.W. J 33	7 10/19	48 3/4	2370	3494

ROY

CORE	No	No	DST No	FROM	TO	RECOVERY	RECOVERY
TYPE			PREFLOW				
FROM			IS				
TO			VD				
RECOVERY			FD				
HOURS			RECOVERY				

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER			
DERICKMAN			
HELPER			
HELPER			
FIREMAN			
TOOL PUSHER			

W.L. 3260.1°
1060 3385 0°

CHEVRON SABC. W/PARKIN Y.T. D-61

OTHER HOURLY OPERATING DETAIL WORK DONE

1972	CHEMICALS ADDED		From	To	
DUR	Kind	Amount			
	TO		12 ⁰⁰		BREAK CIRC & RUN IN TO BOTTOM
FT	GEL	1000 [#]	1 ¹⁵	1 ¹²	CIRC
FT	KALZAN	100 [#]	2 ⁰⁰	2 ⁰⁰	PULL 8 STD. DUMMY TRIP & RUN IN HOLE
7 FT	DOWICIDE B.	50 [#]	4 ³⁰	4 ³⁰	BEAM TO BOTTOM
FT	CAUSTIC	100 [#]	5 ⁴⁵	5 ⁴⁵	RIG SERV - BOPS.
4 FT			6 ⁰⁰	6 ⁰⁰	DRLG.
3 FT			6 ⁰⁰	8 ⁰⁰	
FT	TO		8 ⁰⁰	8 ¹⁵	CREW DISCUSSED SAFE WAY TO HANDLE STEAM HOSES
2 FT			8 ¹⁵	11 ⁰⁰	RIG SERV & HYDRIL
FT			11 ⁰⁰	11 ³⁰	CHECK MOTOR SHUT OFF.
FT			11 ³⁰	11 ³⁰	DRLG.
FT			11 ³⁰	1 ⁰⁰	SURVEY @ 3260 - 10
0 FT	TO		4 ⁰⁰	5 ³⁰	DRLG.
R			5 ³⁰	5 ⁴⁵	Rig SERV - PIPE RAMS.
FEET			5 ⁴⁵	6 ¹⁵	SURVEY @ 3385 00
FEET			6 ¹⁵	12 ⁰⁰	DRLG.
FEET					CREW DISCUSSED SAFETY AT V. DOOR.

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

60
1650
55
25
9.1
50

[Handwritten Signature]
SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR **NABORS** RIG NO. **1**

FIELD **WLF PLAINS** WELL NAME

LSD SEC TWP R/W

CHEVRON
CHEMICAL

DRILLING DEEPENING COMPLETING
 REDRILLING ABANDONING REWORKING

FOR 24 HOURS ENDING 12 MIDNIGHT **FEB - 5 1972**

DRILLING ASSEMBLY		END OF MORNING TOUR		END OF DAYLIGHT TOUR		END OF AFTERNOON TOUR	
STANDS	D.P. NO	24	2245 FT	25	221 FT	25	1721 FT
SINGLE	D.P. NO						6302 FT
X-OVER SUB	O.D.		587 FT		587 FT		587 FT
OTHER	O.D.						
DRILL COLLARS 4x6 3/4	O.D.		1259 FT		223 FT		1167 FT
DRILL COLLARS 3x6 1/4	O.D.	NO	39383 FT	NO	27343 FT	NO	37383 FT
REAMER	O.D. KIND						
STABILIZER	O.D. KIND		482 FT		482 FT		182 FT
WELLS	KIND						
BUMPER SUB	KIND						
BIT OR CORE BARREL							
TOTAL D.P. & TOOLS							
KELLY DOWN (BELOW H.B.)			2800 FT		1800 FT		4100 FT
DEPTH OF TOOLS							314100 FT

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	2948 FEET	3055 FEET	3141 FEET
DEPTH START OF TOUR	2810 FEET	2948 FEET	3055 FEET
FOOTAGE DRILLED	138 FEET	107 FEET	86 FEET

DAY WORK	HOURS											
	2:00 AM	4:00 AM	6:00 AM	8:00 AM	10:00 AM	12:00 AM	2:00 PM	4:00 PM	6:00 PM	8:00 PM	10:00 PM	12:00 AM
PUMP	60	60	60	60	60	60	60	60	60	60	60	60
ROTARY SPEED	50	50	50	50	55	55	55	55	55	55	55	55
WEIGHT ON BIT	25	25	25	25	30	30	30	25	28	25		
MUD WEIGHT	9.2	9.2	9.2	9.2	9.3	9.2	9.2	9.1	9.1	9.2		
VISCOSITY	46	45	45	45	45	45	45	45	45	45		

pH **DESITER. O.P. - 8.0**
MUD LEVEL IN TANKS **U.F. 9.8 - 3 GAL PER MIN.**

NO	SIZE	SERIAL	BIT KIND	WELL TYPE	FEET	IN	FEET	IN	FEET	IN
12	8 3/4	58863	HW	- J 33	90 1/4	32 1/4	2570	3141	571	R.H.

CORE NO	NO	DATE	DEPTH	FROM	TO	RECOVERY	HOURS

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	<i>A. Beault</i>		<i>S. W. [unclear]</i>
DERRICKMAN	<i>J. Barnes</i>	<i>R. Kennedy</i>	<i>H. HUBBARD W.L. 2895 1°</i>
HELPER	<i>L. Barch</i>	<i>R. [unclear]</i>	<i>T. [unclear] W.L. 2987 2°</i>
HELPER	<i>D. Phillip</i>	<i>L. Curlett</i>	<i>N. PARSON. W.L. 2058 2°</i>
HELPER	<i>L. Hoiland</i>	<i>P. Loughry</i>	<i>G. CARDINAL</i>
FIREMAN		<i>[unclear]</i>	
TOOL PUNGE	<i>[unclear]</i>		

CHEVRON SOBS. ON PARKING LOT D-61

MATERIALS CHEMICALS ADDED		From	To	OTHER HOURLY OPERATING DETAIL WORK DONE
1972	Kind			
0 FT	TC 1	12 00	12 15	RIG SERV ✓ HYDRAIL.
1 FT		12 15	4 30	DRLC.
2 FT		4 30	5 00	SURVEY @ 2895 1°
7 FT		5 00	7 00	DRLC.
3 FT	TC 2	8 00	10 30	CREW DISCUSSED PROPER LENGTHS OF TONG LINES (BACKUP LINES)
2 FT		10 30	11 00	DRLC.
1 FT		11 00	11 00	RIG SERV ✓ HYDRAIL.
1 FT		2 00	2 00	SURVEY @ 2987 2°
1 FT		3 00	3 00	DRLC.
1 FT		3 00	3 15	TRY TO TAKE SURVEY MISS RUND.
0 FT		3 15	4 00	DRLC.
0 FT	TC 3	4 00	5 30	SURVEY @ 3058
FEET	Water 75x	5 30	5 45	DISCUSSED PROPER WAY TO USE CATHODE
FEET	Gal 185x	5 45	9 30	DRLC.
FEET		9 30	10 15	RIG SERV ✓ PIPE RAMS.
HOURS		10 15	11 00	DRLC.
12:00 PM		11 00	12 00	SURVEY @ 3141 1 1/2°
				CIRCT XXXXXXXXXXXXXXXXXXXX
				Dummy TRIP WORK TIGHT PIPE
				DISCUSSED KEEPING FLOOR CLEAR.

CEMENTING TESTING FISHING SPECIAL JOB DETAILS INCLUDING ENGINEERING SUMMARIES

SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR **NABORS** RIG NO **41**

FIELD **Edglo Plains** WELL NAME

USD SEC TWP

DRILLING DEEPENING COMPLETING

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

DRILLING ASSEMBLY	END OF MORNING TOUR				END OF DAYLIGHT TOUR				END OF AFTERNOON TOUR				
STANDS	D.P.	NO	FT	NO	2146	14	FT	NO	2238	02	FT		
SINGLE	D.P.	NO	FT	NO			FT	NO	3136		FT		
X OVER SUB	O.D.		587	FT		587	FT		587		FT		
OTHER	O.D.			FT			FT				FT		
DRILL COLLARS 4x 6 1/4	O.D.		125	94	FT		125	94	FT		125	94	FT
DRILL COLLARS 13x 6 1/4	O.D.	NO	39	383	FT	NO	39	383	FT	NO	39	383	FT
REAMER	O.D.	KIND		FT	KIND		FT	KIND		FT	KIND		FT
STABILIZER	O.D.	KIND		482	FT	KIND		482	FT	KIND		482	FT
JARS		KIND		FT	KIND		FT	KIND		FT	KIND		FT
BUMPER SUB		KIND		FT	KIND		FT	KIND		FT	KIND		FT
BIT OR CORE BARREL				FT			FT						FT
TOTAL D.P. & TOOLS				FT			FT						FT
KELLY DOWN (BELOW R.B.)			32	00	FT		17	00	FT		11	00	FT
DEPTH OF TOOLS			257	91	FT		269	2	FT		251	0	FT

TOUR	MORNING TOUR				DAYLIGHT TOUR				AFTERNOON TOUR			
DEPTH END OF TOUR	2572			FEET	2692			FEET	2510			FEET
DEPTH START OF TOUR	2570			FEET	2582			FEET	2692			FEET
FOOTAGE DRILLED	12			FEET	110			FEET	118			FEET

	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				60	60	60	60	60	60	60
ROTARY SPEED				50	50	50	50	50	50	50
WEIGHT ON BIT				15	20	20	20	20	20	25
MUD WEIGHT				9	9.0	9.0	9.1	9.1	9.1	9.1
VISCOSITY				42	42	42	42	44	45	46

pH
MUD LEVEL IN TANKS

NO.	SIZE	SERIAL	BIT KIND AND TYPE	RECES	DEPTH
12	8 1/4	JB-863	H.W. - J. 23	7.19	2570

CORE No	NO	DIST No	FROM	TO	RECOVERY

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	G. Lloyd	L. Briault	G. Lloyd
DERRICKMAN	TERRY BANNASS	R. Kennedy	H. HIETALA
HELPER	WOMAG, BARKH	R. Filipichuk	T. PARSONS
HELPER	G. Hoband	L. Cyrlett	G. CARDINAL
HELPER	Don Phillips	P. Loylin	H. PARSONS
FIREMAN		T. Shank	
TOOL PULLER			

MU... CHEM...
TOUR
TOUR
TOUR

CHEVRON SABC. 20m H. PARKIN YTD-61

OTHER HOURLY OPERATING DETAIL
WORK DONE

MU	Kind	Amount	From	To
19 1/2			12:00	2:00
OUR	TOUR		2:00	7:30
22 FT	CAUSTIC SOL	14:30		
36 FT			7:00	2:00
37 FT				
FT				
94 FT				
83 FT				
FT	TOUR		8:00	10:15
82 FT	ISK KAIZAN	10:15	10:45	
FT	65KSGEL	10:45	11:00	
FT	H2O	11:00	11:30	
FT		10:30	2:45	
FT		2:45	3:15	
FT		3:15	4:00	
00 FT				
FT	TOUR		4:00	4:15
R			4:15	7:00
FEET			7:00	7:30
FEET			7:30	11:00
FEET			11:00	11:30
HOURS			11:30	12:00
10:50 PM				
40				
10:50				
50				
25				
9.1				
46				

Rod up w/ 2" x 12.
Pick up Singles
Pick up Kelly & cement to bottom.
125' 2" Fall
Only 2 3/4 Holes.

DRUG.
SURVEY @ 2621-1 1/2°
RIG SERV ✓ ROPS. Pipe Rams.
At pump picked up AIR.

DRUG.
SURVEY @ 2682-2°

DRUG.
CREW DISCUSSED USE OF NAILSTN POP #1440
Rig SERV ✓ HYDRIC
Only 2 3/4 Holes.
SURVEY @ 2742 1/2°
Only 2 3/4 Holes.
SURVEY @ 28041°
Only 2 3/4 Holes

Discussed How to Handle. SNAKER STD.

CEMENTING, TESTING, OTHER DETAILS, INCLUDING ENGINEERING SUMMARIES

11:00
2
1/2
1

TOUR REPORT

CONTRACTOR *NABON'S PALM* RIG NO *1*

FIELD *EAGLE PAINS* WELL NAME *N 66° 26' 12"* E 13W 137 SEC TWP R46 W
 DRILLING DEEPENING COMPLETING
 REDRILLING ABANDONING REWORKING FOR 24 HOURS ENDING 12 MIDNIGHT *FEB 3 1977*

DRILLING ASSEMBLY	END OF MORNING TOUR				END OF DAYLIGHT TOUR				END OF AFTERNOON TOUR			
STANDS	D.P.	NO	FT	NO	FT	NO	FT	NO	FT			
SINGLE	D.P.	NO	FT	NO	FT	NO	FT	NO	FT			
X OVER SUB	O.D.		245 FT		245 FT		245 FT		245 FT			
OTHER	O.D.		3846 FT		3846 FT		3846 FT		3846 FT			
DRILL COLLARS	O.D.		12594 FT		12594 FT		12594 FT		12594 FT			
DRILL COLLARS	O.D.	NO	39383 FT	NO	39383 FT	NO	39383 FT	NO	39383 FT			
REAMER	O.D.	KIND	432 FT	KIND	432 FT	KIND	432 FT	KIND	432 FT			
STABILIZER	O.D.	KIND	789 FT	KIND	789 FT	KIND	789 FT	KIND	789 FT			
JARS		KIND	FT	KIND	FT	KIND	FT	KIND	FT			
BUMPER SUB		KIND	FT	KIND	FT	KIND	FT	KIND	FT			
BIT OR CORE BARREL			FT		FT		FT		FT			
TOTAL D.P. & TOOLS			FT		FT		FT		FT			
KELLY DOWN (BELOW R.B.)			FT		FT		FT		FT			
DEPTH OF TOOLS			FT		FT		FT		FT			

TOUR	MORNING TOUR		DAYLIGHT TOUR		AFTERNOON TOUR	
DEPTH END OF TOUR	2570	FEET		FEET		FEET
DEPTH START OF TOUR	2570	FEET	2570	FEET	2570	FEET
FOOTAGE DRILLED	NIL	FEET	0	FEET	0	FEET

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
PUMP									
ROTARY SPEED									
WEIGHT ON BIT									
MUD WEIGHT			9.6						
VISCOSITY	54	53	80						
W.L.F.C.									
pH									
MUD LEVEL IN TANKS									

NO.	SIZE	SERIAL	BIT KIND AND TYPE	DATE
1283	158863		HW J-33	2/0/77

CORE NO.	NO.	DIST NO.	DEPTH
TYPE		PRE-FLOW	
FROM		IS	
TO		VO	
RECOVERY		FS	
HOURS		RECOVERY	

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	<i>Brian Ridge</i>		
DERRICKMAN	<i>GARY OSMACHENKO</i>		
HELPER	<i>RANDY HARRIS</i>		
HELPER	<i>NEIL PARSON</i>		
HELPER	<i>PETER PHILLIPS</i>		
FIREMAN			
TOOL PUSH	<i>[Signature]</i>		

C. Ron S.O.B.C., W.M., N. Parkin 4 T D-61

CHEMICALS ADDED		From	To
Kind	Amount		
TO		12 ⁰⁰	12 ¹⁵
1 FT	GEL	12 ¹⁵	
2 FT	POLYMER		8 ⁰⁰
3 FT			
4 FT			
5 FT			
6 FT			
7 FT			
8 FT			
9 FT			
10 FT			
11 FT			
12 FT			
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14 FT			
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192 FT			
193 FT			
194 FT			
195 FT			
196 FT			
197 FT			
198 FT			
199 FT			
200 FT			

OTHER HOURLY OPERATING DETAIL WORK DONE
 BOP DIS -
 CIRC & CONDITION MISC & HOLE, TO TOP, BLEW
 HEAVY, TO TOP, TOP 2 STANDS, TO TOP
 HEAVY 3rd CIRC, WORK TIME, BLEW
 HEAVY, PULL 2 STANDS, TO TOP, HEAVY
 TIME VICKERY & WORK TIME

BOP DIS -
 BLEW OUT 1 STAND, 1 STAND, FROM
 VICKERY & WORK TIME, PUMP
 OUT SIMONIS. PUMP OUT TILL IN
 CASING & PULL OUT OF HOLE

LAY DOWN STABILIZER EAST 7" COLLARS
 RE-DRILL MOUSE HOLE
 MAKE UP NEW BIT. PUT BLADE
 STABILIZER 60' UP - STRAP IN

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

Always Keep Feet & Workman Feet On Ice.

SIGNATURE COMPANY ENGINEER

TOUR REPORT

FIELD *EDGE Plains* WELL NAME *N 66° 20' 12" E S 137° 13' W* CONTRACTOR *Nashua Drilling* RIG NO. *1*
 DRILLING DEEPENING COMPLETING
 REDRILLING ABANDONING REWORKING FOR 24 HOURS ENDING 12 MIDNIGHT *FEB 2 1992*

Chemical S.O.

DRILLING ASSEMBLY	END OF MORNING TOUR	END OF DAYLIGHT TOUR	END OF AFTERNOON TOUR
STANDS D.P. NO	168498 FT	189489 FT	195746 FT
SINGLE D.P. NO			
X OVER SUB O.D.	245 FT	245 FT	245 FT
OTHER 2-7 3/4 O.D.	3846 FT	3846 FT	3846 FT
DRILL COLLARS 4-6 3/4 O.D.	12594 FT	12594 FT	12594 FT
DRILL COLLARS 13-6 3/4 O.D. NO KIND	39383 FT	39383 FT	39383 FT
REAMER 1-8 3/4 O.D. NO KIND	432 FT	432 FT	432 FT
STABILIZER 2-8 3/4 O.D. NO KIND	989 FT	989 FT	989 FT
JARS NO KIND			
BUMPER SUB NO KIND			
BIT OR CORE BARREL NO			
TOTAL D.P. & TOOLS NO			
KELLY DOWN (BELOW R.B.)	3520 FT	3000 FT	3783 FT
DEPTH OF TOOLS	229500 FT	250000 FT	257000 FT
TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	22951 FEET	2500 FEET	2570 FEET
DEPTH START OF TOUR	2051 FEET	2295 FEET	2500 FEET
FOOTAGE DRILLED	244 FEET	205 FEET	70 FEET

DAY WORK	MORNING TOUR				DAYLIGHT TOUR				AFTERNOON TOUR			
	2:00 AM	4:00 AM	6:00 AM	8:00 AM	10:00 AM	12:00 PM	2:00 PM	4:00 PM	6:00 PM	8:00 PM	10:00 PM	12:00 AM
PUMP	60	60	60	60	60	60	60	60	60	60	60	60
ROTARY SPEED	55	55	55	55	55	55	55	55	55	55	55	55
WEIGHT ON BIT	25	25	25	25	25	25	25	25	25	25	25	25
MUD WEIGHT	8.9	9.0	8.9	9.0	8.8	8.8	8.8	8.8	8.8	8.9	8.9	8.9
VISCOSITY	48	49	46	36	37	36	36	37	37	39	39	39
W.L.F.C.												
pH												
MUD LEVEL IN TANKS												

Geo. King

NO.	SIZE	SERIAL	BIT KIND	NO.	TYPE	DEPTH	REMARKS
83	5564	Sec	SB8	3/16		1225-2570	1345-4214 PULL

*U. Linn
D. Linn
D. Linn*

CORE NO.	NO.	DATE	TIME	DEPTH	REMARKS

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	<i>Brian P. ...</i>	<i>L. Brisant</i>	
DERRICKMAN	<i>...</i>	<i>J. ...</i>	<i>R. Kennedy</i> W.L. 2268 1" 0
HELPER	<i>Randy Harris</i>	<i>L. Baird</i>	<i>R. ...</i> W.L. 2360 1 1/2"
HELPER	<i>Neil ...</i>	<i>G. Cardinal</i>	<i>L. ...</i> W.L. 2451 1"
HELPER	<i>Peter ...</i>	<i>D. Philippe</i>	<i>R. ...</i>
FIREMAN		<i>E. ...</i>	<i>J. ...</i>

TOOL PUSHER *Da ...*

Champion S.O.B.C., W.M., N. PARKIN D-61 Y.T.

1972 UR 6 FT 5 FT 6 FT 4 FT 3 FT 2 FT 9 FT 3 FT 0 FT FEET FEET FEET HOURS 1:00 PM	CHEMICALS ADDED		From	To	OTHER HOURLY OPERATING LEAD WORK DONE
	Kind	Amount	12:00	12:00	
	TOI		12:05	12:15	DRAG
	GREN	4 SKS	5:15	5:30	CIRC - SURVEY
	KF 2.94	2 SKS	5:30	8:00	RIG SEAL & BOP.
					DRAG
	TOI		8:00	9:05	DRAG
			9:05	10:15	CIRC & SURVEY
			10:15	10:30	RIG SEAL & BOP
			10:30	1:00	DRAG
			1:00	2:00	CIRC SHAVE @ 2451 - 1°.
			2:00	2:45	DRAG
			2:45	3:00	THAW DIESEL LINES TO FLOOR MOTORS.
			3:00	4:00	DRAG
	TOI		4:00	5:00	DRAG
			5:00	5:30	SURVEY @ 2549 10
			5:30	5:45	RIG SEAL - BOPS.
			5:45	6:45	DRAG.
			6:45	7:15	CIRC.
			7:15	12:00	PULL OUT OF HOLE. TIGHTEN DOWN 9.5 INCHES & CIRC TO CLEAN HOLE

CEMENTING, TESTING, TYPING, DETAIL, JOB DETAILS, INCLUDING ENGINEERING SUMMARIES

- ① How discuss good housekeeping around a well.
- ② How discuss use of safety glasses when changing long dies.
- ③ Discuss spinning chain safety.

1:00
1:30
1:00

SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR *NABORS Palm* RIG NO *1*

FIELD *Eagle Plains* WELL NAME *N10° 25' 12" W-137 SEC* TWP *137N* RANG *137E* *1972*

DRILLING DEEPENING COMPLETING
 REDRILLING ABANDONING REWORKING FOR 24 HOURS ENDING 12 MIDNIGHT *FEB 1*

DRILLING ASSEMBLY	END OF MORNING TOUR		END OF DAYLIGHT TOUR		END OF AFTERNOON TOUR	
STANDS D.P. NO	1187	65 FT	1187	65 FT	1434	78 FT
SINGLE D.P. NO						
X OVER SUB O.D.		245 FT		245 FT		245 FT
OTHER 2-7 3/4 O.D.		3846 FT		3846 FT		3846 FT
DRILL COLLARS 4-6 3/4 O.D.		12594 FT		12594 FT		12594 FT
DRILL COLLARS 13-6 1/2 O.D.		39383 FT		39383 FT		39383 FT
REAMER 1-8 3/4 O.D.		432 FT		432 FT		432 FT
STABILIZER 2-8 7/8 O.D.		989 FT		989 FT		989 FT
JARS						
BUMPER SUB						
BIT OR CORE BARREL						
TOTAL D.P. & TOOLS						
KELLY DOWN (BELOW R.B.)		4183 FT		4183 FT		4183 FT
DEPTH OF TOOLS		190430 FT		180430 FT		205100 FT

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	1804 FEET		2051 FEET
DEPTH START OF TOUR	1772 FEET	1804 FEET	1804 FEET
FOOTAGE DRILLED	32 FEET		197 FEET

DAY WORK	HOURS				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	2400	1650	1650	1650	6200	6200	6200	6200
ROTARY SPEED	WORKING				55	50	50	50
WEIGHT ON BIT	OUT OF HOLE				25-30	30	30	30
MUD WEIGHT	8.6	8.7	8.7	8.4	8.8	8.8	8.8	8.8
VISCOSITY	38	38	38	34	49	47	47	45

W.L.F.C. *32nd*
 D.H. *Diameter O.F. 78.*
 MUD LEVEL IN TANKS *4.F 9.0 3gal PER MIN*

NO.	SIZE	SERIAL	BIT KIND AND TYPE	RECORDED	DEPTH	REMARKS
8 3/4	5567	SEC	S 88	20 1/4	1025 2051	796262 Run

CORE NO.	NO.	DIST. IN	THROW	DEPTH	REMARKS

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	<i>Beno Kille</i>	<i>L. Duault</i>	
DERRICKMAN	<i>Gregory Orsachonny</i>	<i>J. Barones</i>	<i>R. Kennedy</i> 1800 1/2
HELPER	<i>RANDY HARRIS</i>	<i>Baich</i>	<i>R. Fitzgerald</i> 1896 1/2
HELPER	<i>NEW PARRON</i>	<i>G. Cardinal</i>	<i>L. Cuyler</i> 2051 1
HELPER	<i>PETER PHILLIPS</i>	<i>D. Phillips</i>	<i>P. Laughlin</i>
FIREMAN			
TOOL PUSHER	<i>Sam...</i>		

CHEMICAL
Kind

10SKS GEL
2SKS KALZA
H2O - 74 STBA

① Cream
② Cream
③ Cream

CHEVRON S.O.B.C., W.M., N. PARKIN, Y.T., D-61

972
JR
8 FT
FT
5 FT
6 FT
4 FT
3 FT
2 FT
9 FT
FT
FT
FT
3 FT
0 FT
EET
EET
EET
HOURS
00 PM
62
1600
50
70
98.
45.

MATERIALS AND CHEMICALS ADDED		From	To
Kind	Amount		
TOUR 1		12 00	12 05
		12 05	1 15
		1 15	1 30
		2 30	3 00
		3 00	3 30
		3 30	3 45
		3 45	4 00
TOUR 2		8 00	
		10 45	10 45
		10 45	11 00
		11 00	12 00
		12 00	2 00
		2 00	3 30
		3 30	4 00
TOUR 3		4 00	5 00
10 SKS GEL		5 00	7 30
3 SKS KALZAN		7 30	8 30
H2O - 3/4 STABAM.		8 00	11 30
		11 30	12 00

OTHER HOURLY OPERATING DETAIL
WORK DONE

CHANGE SEATS IN #00 PUMP
TRIP TO UNDER JET
TRIP
TRIP TO UNDER JET
CIRC RUN TO 1896
DROP SURVEY
PULL 2 SINGLES, PUT KEYS ON 2 PUMP
OUT OF HOLE

PUMP OUT OF HOLE TO SURFACE CASING
TRIP OUT, UNDER JET
RIG SEAR & BRING RIGS
TRIP IN
PUT IN TWO SCREENS IN #1 PUMP
CHANGE GLAND PACKING
RUN IN HOLE & PICK UP 18
SINGLE SEAM TO BOTTOM.
SEAM TO BOTTOM & RIG SEAR
DRAG
CIRC RUN SURVEY @ 1896-
DRAG
Survey @ 2051 - 10

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

- ① Crew Discussed safety while tripping
- ② Crew Discussed safety while Rigging up.
- ③ Crew Discussed safety while Running Casing.

1 0
2 0
12 0

[Signature]
SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR HABOAS WIG NO. 1

FIELD _____ WELL NAME _____ LSD _____ SEC _____ TWP _____ R. # _____ W. _____
 DRILLING DEEPENING COMPLETING
 REDRILLING ABANDONING REWORKING

FOUR 24 HOURS ENDING (DATE) JANUARY 31 1972

DRILLING ASSEMBLY	END OF MORNING TOUR	END OF DAYLIGHT TOUR	END OF AFTERNOON TOUR
STANDS D.P. NO.	874 85 FT	969 23 FT	1156 20 FT
SINGLE D.P. NO.			
X OVER SUB O.D.	2 45 FT	2 45 FT	2 45 FT
OTHER 2 7 3/4 O.D.	38 46 FT	38 46 FT	38 46 FT
DRILL COLLARS 4 6 3/4 O.D.	125 94 FT	125 94 FT	125 94 FT
DRILL COLLARS 13 6 1/4 O.D.	393 83 FT	393 83 FT	393 83 FT
REAMER 1 8 3/4 O.D.	432 FT	432 FT	432 FT
STABILIZER 2 8 3/4 O.D.	989 FT	989 FT	989 FT
JARS			
BUMPER SUB			
BIT OR CORE BARREL			
TOTAL D.P. & TOOLS			
KELLY DOWN - BELOW R.B.	41 83 FT	41 83 FT	41 83 FT
DEPTH OF TOOLS	1491 FT	1581 00 FT	1772 00 FT

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	1491 FEET	1581 FEET	1772 FEET
DEPTH START OF TOUR	1397 FEET	5491 FEET	1581 FEET
FOOTAGE DRILLED	94 FEET	90 FEET	191 FEET

DAY WORK	HOURS				HOURS			
	2:00 A.M.	4:00 A.M.	6:00 A.M.	8:00 A.M.	10:00 A.M.	12:00 P.M.	2:00 P.M.	4:00 P.M.
PUMP	60 1500	60 1500	60 1500		60 1500	60 1500	60 1500	60 1500
ROTARY SPEED	55	55	55		55	55	55	55
WEIGHT ON BIT	20-25	20-25	20-25		20-25	20-25	25-30	25-30
MUD WEIGHT	8.4	8.5	8.5		8.6	8.6	8.6	8.6
VISCOSITY	36	37	36		36	36	37	39
W.L.F.C.								11

pH _____
 MUD LEVEL IN TANKS _____
 Decanter Discharge - 9.0 - 3 gal per min
 O.F. - 8.4

NO.	SIZE	SERIAL	BIT KIND	NO.	NO.	NO.
14	8 3/4	5567	SCURRY	588	3-18	225

CORE NO.	NO.	DST NO.	NO.	NO.	NO.	NO.
TYPE		PREFLOW				
FROM		EST				
TO		V.D.				
RECOVERY		RECOVERY				

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	<u>Don Rose</u>	<u>L. Brunet</u>	
DERRICKMAN	<u>G. Szwarczak</u>	<u>J. Baranow</u>	<u>B. Kennedy</u> 1522 10
HELPER	<u>H. Ellis</u>	<u>J. Baich</u>	<u>R. Filipchuk</u> 1612 10
HELPER	<u>Hal Patrick</u>	<u>G. Cardinal</u>	<u>L. Cuslett</u> 1710 10
HELPER	<u>Felix P. Kops</u>	<u>D. Phillips</u>	<u>R. Loughlin</u>
FIREMAN			<u>J. Sharps</u>
TOOL INSPECTION	<u>Frank [unclear]</u>		

C. J. [unclear]
 Kind
 TO:
 10 caps Hel
 2 caps Kelgan
 1 ch - G.M.C.

TO:
 2 caps Hel
 2 caps Kelgan

Discussed
 who was

CHURON SOBC W4 H PARISH LA 2 R1

MATERIALS CHEMICALS ADDED		From	To	OTHER HOURS OPERATING DETAIL WORK DONE
1972	Kind	Amount		
0.00	TO	12.00	12.30	Drilling Pump down hose
0.00		12.30	1.00	Drilling
0.00		1.00	1.45	Drilling Pump
0.00		1.45	2.15	Drilling
0.00		2.15	2.30	Pip. Leaking
0.00		2.30	3.00	Repair Pump and Chatter
0.00		3.00	6.15	Drilling
0.00		6.15	8.00	WORK FIGHT with 4" pipe
0.00	TO	8.00	9.30	WORK STOP PIPE
0.00	10 hrs Hel	9.30	11.00	CLEAN TO BOTTOM
0.00	3 hrs Kelgan	11.00	12.00	DRIG
0.00	1 hr - C.M.C.	12.00	12.30	CIRC 1/2 HR.
0.00		12.30	1.00	SURVEY @ 1522 10
0.00		1.00	1.30	WORK ON P-218 PUMP
0.00		1.30		DRIG.
0.00	TO	4.00	5.00	DRIG
0.00	7 hrs Hel	5.00	5.30	CIRC FOR SURVEY
0.00	2 hrs Kelgan	5.30	5.45	SURVEY @ 1612
0.00		5.45	8.30	DRIG.
0.00		8.30	9.00	CIRC FOR SURVEY
0.00		9.00	9.15	SURVEY @ 1710 - 10
0.00		9.15	11.00	DRIG
0.00		11.00	12.00	PULL SEATS IN R-700

CEMENTING TESTS, FISHING SPECIAL JOB DETAILS, INCLUDING ENGINEERING SUMMARIES

Discussed cathead + spinning chain safety. The need for safety people when working on Tony Shur...

SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR *NABORS DRILLING*

FIELD *Engle Plains* WELL NAME *NAC-2017* SURV *137* DATE *Jan 29* 1972

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

1660'
55816'

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

DAY WORK	MORNING				DAYLIGHT				AFTERNOON			
	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	6:00 PM
PUMP												
ROTARY SPEED												
WEIGHT ON BIT												
MUD WEIGHT												
VISCOSITY												
W.F.C.												

MUD LEVEL IN TANKS	NO.	SIZE	SEALING	BIT	W. L.	NO.	SIZE	SEALING	BIT	W. L.
--------------------	-----	------	---------	-----	-------	-----	------	---------	-----	-------

12" 36467 HW - X16 80' 1 3/4 1216 1750 15' 1 1-I
734 343394 Security 588 3019

CORE	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.
TYPE									
FROM									
TO									
RECOVER									
HOURS									

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	<i>Brian Proctor</i>		
DERRICKMAN	<i>Gary Usman</i>		
HELPER	<i>Robert Hoot</i>		
HELPER	<i>Neil Pearson</i>		
HELPER	<i>Peter Thill</i>		
FIREMAN			
TOOL WAGON			

TOUR REPORT

FIELD Eagle Point WELL NAME N 60° 21' W 12 1/2" SEC 17 TWP 36 N R 10 W CONTRACTOR Noble Drilling Co. NO. 1
 DRILLING DEEPENING COMPLETING
 REDRILLING ABANDONING REWORKING BIT OR STANDING COLUMN
 DATE January 19, 1977

Chickson
 FIELD SUPERVISOR

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

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	FEET	FEET	1211 FEET
DEPTH START OF TOUR	FEET	FEET	110 FEET
FOOTAGE DRILLED	FEET	FEET	7 FEET

DAY WORK	HOURS				HOURS				HOURS			
	2:30 AM	4:00 AM	6:00 AM	8:00 AM	10:00 AM	12:00 PM	2:00 PM	4:00 PM	6:00 PM	8:00 PM	10:00 PM	12:00 AM
PUMP	/											
ROTARY SPEED	/											
WEIGHT ON BIT	/											
MUD WEIGHT	/											
VISCOSITY	/											
WLF C	/											

pH _____
 MUD LEVEL IN TANKS _____

NO.	SIZE	SERIAL	BIT KIND	NO.	DATE	TIME	TIME	TIME
13	10 1/4	310467	X 16	7274	1	1213	1214	4

CORE NO. _____
 TYPE _____
 FROM _____
 TO _____
 Recovery _____
 HOURS _____

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRIVER	<u>Ray Jones</u>	<u>L. Bennett</u>	
DEPARTMENT	<u>Ray Jones</u>	<u>L. Bennett</u>	<u>W. H. Rank</u>
HELPER	<u>Ray Jones</u>	<u>L. Bennett</u>	<u>W. H. Rank</u>
HELPER	<u>Ray Jones</u>	<u>L. Bennett</u>	<u>W. H. Rank</u>
FIREMAN			<u>W. H. Rank</u>
TOOL MASTER			<u>W. H. Rank</u>

100' Sodium B.
 22
 45
 15
 420
 28
 1213 1214 4
 R. H. H. C.

TOUR REPORT

CONTRACTOR *W. J. ...* HIRE NO. *...*

FIELD *...* WELL NAME *11 26ⁿ 23^d LSD 137* SURF *...* DATE *11-27-72*

DRILLING DEEPENING COMPLETING
 REDRILLING ABANDONING REWORKING END OF DRILLING MENDING

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

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

DAY WORK	HOURS				HOURS			
	2:30 AM	4:00 AM	6:00 AM	8:15 AM	12:00 AM	2:00 AM	4:00 AM	6:00 AM
PUMP								
ROTARY SPEED	R.P.M.							
WEIGHT ON BIT	MT. LB.							
MUD WEIGHT	LB./GAL.							
VISCOSITY	SEC/30"							
W.L.F.C.	32nd							
pH								
MUD LEVEL IN TANKS	FT. IN.							

NO.	SIZE	SERIAL	BIT	REMOVED	TYPE	REASON

CORE NO.	NO.	DATE	FROM	TO	RECOVERY	HOURS

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRIVER	<i>G. ...</i>	<i>B. RIDDLE</i>	<i>R. BRIANT</i>
DEPOSITARY	<i>S. ...</i>	<i>B. ...</i>	<i>S. ...</i>
HELPER	<i>T. ...</i>	<i>H. ...</i>	<i>R. ...</i>
HELPER	<i>V. ...</i>	<i>V. ...</i>	<i>C. ...</i>
HELPER	<i>T. ...</i>	<i>B. ...</i>	<i>C. ...</i>
FIREMAN			<i>N. ...</i>
TOOL PUSHER			

TOUR REPORT

CONTRACTOR

W A BORDS

FIELD *W. L. LEFLORES* WELL NAME *41622* END *13'* REC TAP FOR 24 HOURS ENDING AT MIDNIGHT *JAN 24 1972*

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

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

DAY WORK	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	10:00 AM	11:00 AM	12:00 PM
PUMP													
ROTARY SPEED													
WEIGHT ON BIT													
MUD WEIGHT													
VISCOSITY													
WLF C													

MUD LEVEL IN TANKS	FEET
NO.	SIZE

CORE	NO.	NO.	TYPE	FROM	TO	RECEIVED	HOURS

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	<i>G. W. Lloyd</i>	<i>Brian R. Rouse</i>	<i>L. B. Bault</i>
DECKMAN	<i>G. Combs</i>	<i>JEARY BARNES</i>	
HELPER	<i>M. ...</i>	<i>RANDY HARRIS</i>	<i>D. ...</i>
HELPER	<i>W. ...</i>	<i>NEW PARSON</i>	<i>R. ...</i>
HELPER	<i>G. ...</i>	<i>Bill CARLINAN</i>	<i>G. ...</i>
FIREMAN			
TOOL PUSHER			

CHURCH SOBC Wm N MILLER ST 2-61

1972

MUD Kind	CHEMICALS ADDED Amount	From	To	
				OTHER HOURLY OPERATING LITARI WORK DONE
TOUR 1		12 ⁰⁰	8 ⁰⁰	
TOUR 2		8 ¹⁵	4 ⁰⁰	
TOUR 3		4 ⁰⁰ 11 ³⁰	11 ³⁰ 12 ⁰⁰	

Core Logging

Core Logging

Core Logging
Blow Kelly + Pull out of Hole.