

DRILLING

REPORT

DRILLING DATA		MUD PROPERTIES				BITS USED			
TOTAL DEPTH	7773'	WEIGHT	9.5	CHLORIDES		BIT NO.	18		
FORMATION	4550	VISCOSITY	35	CALCIUM	240	KIND	Smith		
PREVIOUS T.D.	7688'	PLASTIC VIS.	15	P.H.	10.5	SIZE	7 7/8"		
DRILLED	85'	YIELD POINT	5	GEL		TYPE	F-5		
SURVEY RECORD		RATIO		FILTER CAKE	1/32	WTR. COURSES NO. & SIZE	15 15 B		
FOOTAGE	DEGREES	WTR. LOSS	8	LCM	—	SERIAL NO.	CK 4351		
		OIL	—	% BACKGROUND GAS	—	IN	7600'		
		WATER	92.8	% TRIP GAS	—	OUT / GRADE	7773'		
		SOLIDS	7.2	%		FEET DRILLED	173'		
		SAND	125	%		HOURS DRILLED	24		

LOG TIME				1. DRILLING	15 1/4	3. SLIP & OUTLINE		9. COND. MUD		13. LOGGING	
				2. TRIPING	7	6. SURVEYING		10. REPAIRING		14. CASING	
				5. SERVICE & BOPS	1/4	7. CIRCULATING	1/2	11. CORING		15. W.O.C.	
				4. REAMING		8. CLEAN TO BTM.		12. TESTING		16. CMT	1

CHRONOLOGICAL BREAKDOWN

Drilling ahead from 7688' to 7773' - pull & LD DC - pu d/lg pipe
 T.H. & circ to surface - pu Nat. cmt to plug - pump
 25 SX plug @ 7772', LD DP -
 Plug w/ c/b cmt
 w/ 2% Calor

CONTROL CALC.		REDUCED S.P.M.		STANDPIPE PRESSURE		PUMP RATE (G.P.M.)		SURE TO BITS (STRKS)		BIT TO SURF. (STRKS)	
ANNULAR VEL. (F.P.S.)				PUMP RATE (G.P.M.)		WEIGHT OF STRING					
135 Not C250		LINERS 5 1/2" X 6"		SPM 60		PRESSURE 1200 PSI		RRPM 48		WT. ON BIT 40,000	
Not C150								DRILL COLLARS NO. 21		O.D. 6 1/2" FT. 637'	
MUD ADDED											
WT. MATERIAL		CAUSTIC		COST		MUD		SALT WATER		FRESH WATER	
GEL		THINNER		PREVIOUS		\$		\$		\$	
SODA ASH		WTR. LOSS MAT'L.		TODAY'S		\$		\$		\$	
				TOTAL		\$		\$		\$	

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FORMATION	Yeso	VISCOSITY		CALCIUM		KIND	Smith		
PREVIOUS T.D.	/	PLASTIC VIS.		P.H.		SIZE	7 7/8"		
FILLED	/	YIELD POINT		GEL		TYPE	F-5		
SURVEY RECORD		RATIO		FILTER CAKE		WTR. COURSES NO. & SIZE	15 15B		
FOOTAGE	DEGREES	WTR. LOSS		LCM		SERIAL NO.	CK4351		
		OIL		% BACKGROUND GAS		IN	7600'		
		WATER		% TRIP GAS		OUT / GRADE	7773'		
		SOLIDS		%		FEET DRILLED	173'		
		SAND		%		HOURS DRILLED	24		

TIME									
DRILLING	2	5. SLIP & CUTLINE		9. COND. MUD.		13. LOGGING			
TRIPPING	1/4	6. SURVEYING		10. REPAIRING		14. CASING			
SERVICE & BOPS	1/4	7. CIRCULATING	1/4	11. CORING		15. W.O.C.			
REAMING		8. CLEAN TO BTM.		12. TESTING		16. CMT	2 1/2		

CHRONOLOGICAL BREAKDOWN

LD DP, pump 255X plug @ 6978', LD DP -
 pump 255X plug @ 5554' - LD DP, pump 25
 5X plug @ 623' - LD DP, Remove BOP & Spot 55X
 cmt. @ Surface - Well P&A 1-25-83 -
 Release Rig @ 1300 hrs - No further operations

ES. CONTROL CALC.	REDUCED S.P.M.	STANDPIPE PRESSURE	PUMP RATE (G.P.M.)	SURE TO BITS (STRKS)	BIT TO SURF. (STRKS)
RT		ANNULAR VEL. (F.P.S.)	PUMP RATE (G.P.M.)	WEIGHT OF STRING	
WPS	LINERS	SPM	PRESSURE	RRPM	WT ON BIT
			PSI		DRILL COLLARS
					NO.
					O.D.
					FT.

MUD ADDED						
MATERIAL	CAUSTIC		COST	MUD	SALT WATER	FRESH WATER
	THINNER		PREVIOUS	\$	\$	\$
DA ASH	WTR. LOSS MAT'L.		TODAY'S	\$	\$	\$
			TOTAL	\$	\$	\$

NO.	LEASE	WELL NO.	DATE	DAY NO.
10	1000	1004	1-25-83	25