

WELL NAME
LOCATION

SEMU #172
1965' FNL & 1935' FEL, Sec 3

S. R38E, Lea County, NM

Ground Level : 3530' est
Bushing: 11' AGL

Depth MD	FORMATION TOPS (from GL)	DRILLING PROBLEMS	TYPE OF FORMATION EVALUATION	HOLE SIZE	CASING PROGRAM	FRAC GRAD	FORM. PRES. GRAD.	Mud Weight & Type	Days
0		Possible Hole Enlargement & Sloughing		12-1/4"			Less than 8.3	8.4 - 9.5 Fresh	
1000					8-5/8", 24#, J-55 ST&C @ 1,405				3
	Top Salt @ 1,420'	Washouts in Salt Section		7-7/8"	Circulate Cement			10 Brine	
2000							Less than 8.4		
	Base Salt @ 2,520'		Mud Loggers @ 2,600'						
	Yates 2,660'		H2S monitor equipment on @ 2,600'						
3000	7 Rivers 2,905'								
	Queen 3,475'								
	Penrose 3,605'								
	Grayburg 3,760'								
4000	San Andres 3,995'								
		Mud loss in San Andres is likely. Possible loss of returns.							
5000									8
	Glorietta 5,280'	Possible differential sticking thru Glorietta							
	Paddock 5,370	Possible lost returns.							
6000	Blinberry 5,810'	Differential sticking in Blinberry							
	Tubb 6,335'								15
	Drinkard 6,680'								
7000	Abo 6,945'		First Log Run: PEX_HALS_BHC SONIC TD - 2500' Pull GR-CNL-Cal to Surf NGT - TD - 5600'					10 ppq Starch Gel	
			Second Log Run: 30-60 rotary sidewall cores		5-1/2", 17#, L-80				
	Strawn 7,665'	Lost of full returns is likely upon drilling into Strawn.	Possible Third Run: FMI imaging log		Circulate cement either single or 2 stage				22
8000	Woodard 7,880'	Offset data from: SEMU #170 SEMU #171							
	TD 7,950'								

DATE

29-Apr-02

Ron Keas, Geoscientist

APPROVED

YP Ortiz, Drilling Engineer

Rob Lowe, Reservoir Engineer