

PROPOSED WELL PLAN OUTLINE

WELL NAME
LOCATION

SEMU #158
660' FSL & 660' FWL, Sec 24, T20S, R37E, Lea County, NM

Ground Level : 3,530' Est
Kelly 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									
	Top Salt @ 1,396'				8-5/8", 24#, J-55 ST&C @ 1,500'				3
		Washouts in Salt Section		7-7/8"	Circulate Cement			10 Brine	
2000							Less than 8.4		
	Base Salt @ 2,519'		Mud Loggers @ 2,600'						
	Yates 2,681'		H2S monitor equipment on @ 2,600'						
3000	7 Rivers 2,931'								
	Queen 3,501'								
	Penrose 3,611'								
	Grayburg 3,761'								
4000	San Andres 3,941'								
		Mud loss in San Andres is likely. Possible loss of returns.							
5000									8
	Glorietta 5,266'	Possible differential sticking thru Glorietta Possible lost returns.							
	Blaine 5,811'								
6000									
	Tubb 6,341'								13
	Drinkard 6,686'								
7000	Abo 6,971'		First Log Run: GR-CAL-DLL-MLL-SGR-SONIC FDC-CNL-PE : TD to 2000' Pull GR-CNL-Cal to Surf SGR interval to be chosen					10 ppg Starch Gel	
	Strawn @ 7,665'		Second Log Run: 60 rotary sidewall cores						
	TD @ 7,975'	Offset data from: SEMU #145 and #146	Possible Third Run: FMI imaging log		5-1/2", 17#, J-55 LT&C set @ 7,975' Circulate cement either single or 2 stage				22
8000	Devonian @ 8,025'								

DATE 12-Feb-01

Al Gomez, Geologist

APPROVED David Delao, Drilling Engineer

Jim Hubbard, Reservoir Engineer