

PROPOSED WELL PLAN OUTLINE

WELL NAME
LOCATION

SEMU #163

SEMU 163, 730' FSL, 116

VL, Sec. 18, T20S, R38E, Lea County, New Mexico

Ind Level: 3552' plat
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 @ 1,500'				
	Top Salt @ 1,457'	Washouts in Salt Section		7-7/8"	Circulate Cement			10 Brine	3
2000							Less than 8.4		
	Base Salt @ 2,532'		Mud Loggers @ 2,600'						
	Yates 2,662'		H2S monitor equipment on @ 2,600'						
3000	7 Rivers 2,907'								
	Queen 3,477'								
	Penrose 3,627'								
	Gravburg 3,777'								
4000	San Andres 4,002'								
		Mud loss in San Andres is likely. Possible loss of returns.							
5000									
	Glorietta 5,302'	Possible differential sticking thru Glorietta							8
		Possible lost returns.							
	Blaine 5,822'	Differential sticking in Blaine							
6000									
	Tubb 6,307'								15
	Drinkard 6,672'								
	TD 6700'								
7000			First Log Run: PEX_HALS_BHC SONIC TD - 2500'		5-1/2", 17#, L-80 LT&C set @ 6,700' Circulate cement either single or 2 stage			10 ppq Starch Gel	
			NGT - TD - 5600'						
		Lost of full returns is likely upon drilling into Strawn.							
8000		Offset data from: SEMU #125 SEMU #126							

DATE

05-Mar-02

Ron Keas, Geoscientist

APPROVED

YP Ortiz, Drilling Engineer

Rob Lowe, Reservoir Engineer