PROPOSED WELL PLAN OUTLINE

WELL NAME: SEMU #171
LOCATION: 680' FSL & ~~2080'~~ FEL, Sec 27, T20S, R37E, Lea County, NM

Ground Level: 3525' est
Rotary 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 @ 1,365'				8-5/8", 24#, J-55 ST&C @ 1,350				3
		Washouts in Salt Section		7-7/8"	Circulate Cement			10 Brine	
2000							Less than 8.4		
	Base Salt @ 2,515'		Mud Loggers @ 2,600'						
	Yates 2,655'		H2S monitor equipment on @ 2,600'						
	7 Rivers 2,915'								
3000									
	Queen 3,425'								
	Penrose 3,535'								
	Grayburg 3,675'								
	San Andres 3,955'								
4000									
		Mud loss in San Andres is likely. Possible loss of returns.							
5000									
	Glorietta 5,220'								8
	Paddock 3,500'	Possible differential sticking thru Glorietta							
		Possible lost returns.							
	Blinebry 5,815'	Differential sticking in Blinebry							
6000									
	Tubb 6,370'								
									15
	Drinkard 6,685'								
7000	Abo 6,980'		First Log Run: PEX_HALS_BHC SONIC TD - 2500' Pull GR-CNL-Cal to Surf NGT - TD - 5600'					10 ppg Starch Gel	
	Strawn 7,700'	Lost of full returns is likely upon drilling into Strawn.	Second Log Run: 30-60 rotary sidewall cores		5-1/2", 17#, L-80				
			Possible Third Run:		Circulate cement				22
8000		Offset data from: SEMU #168 SEMU #170	FMI imaging log		either single or 2 stage				
	Woodard 8,230' TD 8,300'								

DATE: 01-May-02

Ron Keas, Geoscientist

APPROVED

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