PROPOSED WELL PLAN OUTLINE

WELL NAME: SEMU #165
LOCATION: 1410' FSL & 410' FWL, Sec 14, T20S, R37E, Lea County, NM

Ground Level: 3560'
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 @ 1,400'				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 @ 2,550		Mud Loggers @ 2,600'						
	Yates 2,670'		H2S monitor equipment on @ 2,600'						
	7 Rivers 2,900'								
3000									
	Queen 3,450'								
	Penrose 3,550'								
	Grayburg 3,760'								
4000	San Andres 3,855'								
		Mud loss in San Andres is likely. Possible loss of returns.							
5000									
	Glorietta 5,140'								8
		Possible differential sticking thru Glorietta Possible lost returns.							
	Blinebry 5,720'								
6000									
	Tubb 6,260'								15
	Drinkard 6,605'								
			First Log Run:					10 ppg	
7000	Abo 6,910'		GR-CAL-DLL-MLL-SGR-SONIC FDC-CNL-PE : TD to 2000' Pull GR-CNL-Cal to Surf SGR interval to be chosen					Starch Gel	
		Lost of full returns is likely upon drilling into Strawn.	Second Log Run: 60 rotary sidewall cores		5-1/2", 17#, J-55 LT&C set @ 8,150'				
	Strawn @ 7,635'		Possible Third Run:		Circulate cement				22
8000		Offset data from: SEMU #61 SEMU #160	FMI imaging log		either single or 2 stage				
	TD @ 8,200'								

DATE: 03-Jan-02

Joe Huck, Geologist

APPROVED

YP Ortez, Drilling Engineer

Rob Lowe, Reservoir Engineer