

WELL NAME
LOCATION

SEMU #167
2475 FNL & 1530 FEL, Sec 25, T1S, R37E, Lea County, NM

End Level: 3530' plat
Bushings: 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 @ 1,410'				8-5/8", 24#, J-55 ST&C @ 1,410'				3
2000	Base Salt @ 2,530' Yates 2,670'	Washouts in Salt Section	Mud Loggers @ 2,600' H2S monitor equipment on @ 2,600'	7-7/8"	Circulate Cement		Less than 8.4	10 Brine	
3000	7 Fivers 2,920'								
4000	Queen 3,485' Perose 3,610' Grayburg 3,760' San Andres 3,990'								
5000		Mud loss in San Andres is likely. Possible loss of returns.							8
6000	Glorietta 5,270' Blinney 5,830'	Possible differential sticking thru Glorietta Possible lost returns. Differential sticking in Blinney							
7000	Tubb 6,335' Drinkard 6,690' Abbo 6,965'	Lost returns	First Log Run: PEX_HALS_BHC SONIC TD - 2500' Pull GR-CNL-Cal to Surf NGT - TD - 5650' Second Log Run: 30-60 rotary sidewall cores Possible Third Run: FMI imaging log					10 brine Starch Gel	15
8000	Strawn @ 7,630' Woodford @ 7860' TD @ 7,900'	Lost of full returns is likely upon drilling into Strawn. Offset data from: SEMU #165			5-1/2", 17#, J-55 LT&C set @ 7,900' Circulate cement either single or 2 stage				18

DATE 24-Apr-02

Ron Keas, Geoscientist

APPROVED YP Ortez, Drilling Engineer

Rob Lowe, Reservoir Engineer