

DRILLING PROGNOSIS

WELL: 1984 North Hobbs Unit Infill Program
NHU 33-312

W.O. NO. _____

LOCATION. 110' FNL & 1830' FEL BHL - 10' FNL & 1330' FEL
Sec. 33, T-18-S, R-38-E
Lea County, New Mexico

FIELD: North Hobbs Unit

OBJECTIVE: Grayburg-San Andres

EST. ELEVATION: 3645 KB

EVALUATION			GEOLOGY		DRILLING			
DRLG. TIME & SAMPLES	ELEC. SURVEYS	MUD LOGGER	SIGNIFICANT FORMATIONS		WELL DEPTH	HOLE SIZE	CASING & CEMENT	MUD PROGRAM
			Ogallala	50'	40' +	13-3/8" Conductor		
			Red Beds	270'				
			Rustler	1610'		12 1/4"		
			Salt	1700'	1630'	8-5/8" 24# K55 STC		
						Cmt. to surface		
			KOP @ 1700'					
			Build angle @ 1.5°/100'					
			to 12.57°					
						Min. BOPE Class		
						2MS-10-SRR		
			Yates	2700'				
			Seven Rivers	2905'				
			Bowers	3200'		7-7/8"		
			Queen	3410'				
			Byers	3575'				
			Gravburg	3755'				
			San Andres	4010'				
			TD	4350'		5-1/2" 14# K55 STC		
						Cement to surface		
						Fresh Water Native		
						MW 8.8-9.2		
						Vis 32-35 sec/qt.		
						Salt-Saturated Brine		
						MW 10.2-10.5		
						Vis As required to clean hole		
						FL No control		
						pH 9.5+		
						Sat. Brine		
						MW 10.8-10.5		
						Vis 30-35 sec/qt		
						WL < 10 cc		
						pH: 9.5+		