

ANTICIPATED WATER, OIL, GAS AND MINERAL
BEARING FORMATIONS

Lease: W. H. Rhodes Federal "B" NCT-1 Well No. 21
Location: 1543' FSL, 1093' FEL, Sec. 27, T-26-S, R-37-E
County: Lea State: New Mexico Elevation: GR-2974'
Proposed TD: 3400'

Formation Tops

<u>Depth</u>	<u>Formation</u>	<u>Oil</u>	<u>Gas</u>	<u>Water</u>	<u>Lithology</u>
450'	Ogallala			X	Red Bed
1140'	Rustler				Anhy, Salt
2800'	Salado				Anhy, Salt
2940'	Yates	X			Ss, Dolo
3290'	Seven Rivers	X			Ss, Dolo

Geologic Description

The surface geology of this area is Quaternary age alluvium which forms dunes and terraces. Vegetation consists mainly of scrub oak, mesquite and desert grasses.

The base of the salt section is the base of the Salado at 2800'.

No drill stem tests are planned. No cores will be taken.

No abnormal pressures or temperatures are anticipated to be encountered in this well. H₂S in the Yates and the Seven Rivers formations is possible. H₂S RADIUS OF EXPOSURE: 100ppm = 87', 500ppm = 44', based on 8000ppm H₂S and 100 MCF (see Exhibit "B" for H₂S Drilling Operation Plan. H₂S equipment to be operational prior to drilling out 8 5/8" shoe.)

GR-CAL-CNL-LDT, GR-CAL-MSFL-DLL, and GR-CAL-BHC-SONIC, surveys will be run.

Centralizer Program

Surface Casing: Centralize bottom three joints and every 4th joint to surface.

Production Casing: Centralize bottom five joints and every other joint to 2900'.