

ANTICIPATED WATER, OIL, GAS AND MINERAL
BEARING FORMATIONS

Lease: Dow "B" 33 Federal Well No. 1
Location: 2180' FSL, 1980' FEL, Sec. 33, T-17-S, R-31-E
County: Eddy State: New Mexico Elevation: GR-3760'
Proposed TD: 12100'

Formation Tops

<u>Depth</u>	<u>Formation</u>	<u>Oil</u>	<u>Gas</u>	<u>Water</u>	<u>Lithology</u>
675'	Rustler				Anhy, Salt
900'	Salado				Anhy, Salt
1875'	Tansill				Anhy
2025'	Yates				Ss, Dolo
3095'	Queen	X			Ss, Dolo
3785'	San Andres				Dolo, Limestone
7125'	1st Bone Spring	X			Sandstone
10825'	Strawn	X			Limestone
11075'	Atoka		X		Sandstone
11575'	Morrow		X		Sandstone

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 top of the Tansill at 1875'.

Drill stem tests are planned for the 1st Bone Spring and the Atoka. No cores will be taken.

No abnormal pressures or temperatures are anticipated to be encountered in this well. H₂S in the Queen and the San Andres formations is possible. H₂S RADIUS OF EXPOSURE: 100ppm = 65', 500ppm = 30', based on 1000ppm H₂S and 500 MCF (see Exhibit "B" for H₂S Drilling Operation Plan).

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