

ANTICIPATED WATER, OIL, GAS AND MINERAL
BEARING FORMATIONS

Lease: Bilbrey "30" Federal Well No. 3
Location: 1980' FNL, 660' FWL, Sec. 30, T-21-S, R-32-E
County: Lea State: New Mexico Elevation: GR-3662'
Proposed TD: 8600'

Formation Tops

<u>Depth</u>	<u>Formation</u>	<u>Oil</u>	<u>Gas</u>	<u>Water</u>	<u>Lithology</u>
195'	Santa Rosa			X	Ss, Redbeds
788'	Rustler				Anhy, Salt
1110'	Salado				Salt
4520'	Lamar				Limestone
4660'	Bell Canyon				Sandstone
5700'	Cherry Canyon				Sandstone
6950'	Brushy Canyon	X			Sandstone
7040'	Brushy Canyon Pay	X			Sandstone
8490'	Bone Spring				Limestone

Geologic Description

The surface geology of this area is Quaternary age alluvium. Occasional outliers of Triassic Santa Rosa Sandstone are found in some areas. Vegetation consists mainly of scrub oak, mesquite and desert grasses.

The base of the salt section is found around 4350'.

No drill stem tests will be conducted. No cores will be taken.

No abnormal pressures, temperatures, or hazardous gases are anticipated to be encountered in this well. A water flow was encountered at the Neff "13" Federal lease drilled to the south. If a water flow is encountered, a DV Tool will be placed at approximately 3000' on the Intermediate Casing and cemented as follows: 1st Stage - 600 sacks class H w/ 1% CaCl₂ mixed at 15.6 PPG. 2nd Stage - 800 sacks 35/65 Poz class H w/ 6% Gel, 5% Salt & 1/4# Flocele mixed at 12.8 ppg, F/B 700 sacks class H w/ 1% CaCl₂ mixed at 15.6 PPG.

GR-CAL-CNL-LDT, GR-SP-DIL-SFL and Dielectric surveys will be run.