

## Drilling Program

Attached to Form 3160-3  
Lewis B. Burleson, Inc.  
Lockhart B-31 #9  
660' FNL & 1980' FWL  
Section 31, T21S, R36E  
Lea Co., NM

### 1. Geologic Name of Surface Formation:

Quaternary

### 2. Estimated Tops of Important Geologic Markers:

Top of Salt	1760'
Base of Salt	3210'
Yates	3410'
7 Rivers	3600'
Queen	3950'

### 3. Estimated Depths of Anticipated Fresh Water, Oil or Gas:

Upper Permian Sands	300'	fresh water
Yates	3410'	gas
7 Rivers	3600'	oil

No other formations are expected to give up oil, gas, or fresh water in measurable quantities. The surface fresh water sands will be protected by setting 8 5/8" csg. at 400' and circulating cement back to surface. 5 1/2" production casing will be set at TD with cement circulated to the surface.

### 4. Casing Program:

<u>Hole Size</u>	<u>Interval</u>	<u>OD csg</u>	<u>Weight, Grade, Jt, Cond, Type</u>
12 1/4"	0-400'	8 5/8"	J-55 23#
7 7/8"	400-TD	5 1/2"	14 & 15.50# J-55

### Cement Program:

8 5/8" surface casing:	Cemented to surface w/330 sx of Premium Plus + 2% CaCl <sub>2</sub>
5 1/2" production casing:	Cemented with 475 Lite Premium Plus 16# salt + 1/4#/sx Flocele. 250 sx 50/50 Poz/Premium Plus 9# salt 1/4# Flocele-designed to circulate cement to the surface.