

## DRILLING PROGRAM

Attached to Form 3160-3  
Mallon Oil Company  
Mallon "35" Federal No. 4  
660' FSL, 660' FWL, Sec.35, T19S R34E  
Lea County, New Mexico

Lease Number: NM-052

1. Geologic Name of Surface Formation :  
Quaternary Alluvium

2. Estimated Tops of Important Geologic Markers

Quaternary Alluvium	Surface
Rustler	1590
Top of Salt	1720
Base of Salt	3326
Yates	3513
Seven Rivers	3821
Queen	4516
Delaware	5800
Total Depth	8200

3. The Estimated Depths of Anticipated Fresh water, Oil or Gas:

Quaternary Alluvium	300'	Fresh Water.
Yates	3513'	Oil
Queen	4516'	Oil
Delaware	5800'	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 9 5/8" casing at 1500' and circulating cement back to surface. Potash will be protected by setting 5 1/2" casing at total depth and circulating cement back to 1300' from surface.

**RECEIVED**

JUN 10 1964  
OFFICE