

### DRILLING PROGRAM

Attached to Form 3160-3

Pogo Producing Company

Canyon "23-I" Federal Com No. 1

1750' FSL & 660' FEL

Unit Letter I, NE/SE

Section 23, T24S, R29E

Eddy County, New Mexico

1. Geologic Name of Surface Formation: Permian
2. Estimated Tops of Important Geologic Markers and
3. Estimated Depths of Fresh Water, Oil, and Gas:

<u>Formation</u>	<u>Depth</u>	<u>Fluid Content</u>
Permian	Surface	Fresh water at +250'
Rustler Anhydrite	500'	-----
Top of Salt	900'	-----
Base of Salt	2800'	-----
Lamar Lime	3250'	-----
Delaware Sands	3400'	-----
Bone Spring	7800'	Oil
Morrow	12,800'	Gas & Oil
Total Depth	14,250'	

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 13-3/8" casing at 500' into the Rustler anhydrite and circulating cement to surface. Potash will be protected by setting 9-5/8" intermediate casing at 3100' and circulating cement to surface. 7" production casing will be set at 11,200', and cement will be brought back to at least 2500', thus ensuring that all zones are adequately isolated. A 5" liner will be set from 10,900' to 14,250 and cemented with 250 sx. The pore pressure gradient is normal (+8.4 ppg) down through the Morrow. No abnormal pressures are anticipated.