

APPLICATION FOR DRILLING  
POGO PRODUCING COMPANY  
CAL-MON NO. 1  
EDDY COUNTY, NEW MEXICO

In conjunction with permitting the captioned well for drilling in Section 35 T-23-S, R-31-E, Eddy County, New Mexico, Pogo Producing Company submits the following in accordance with U.S.G.S. (NTL-6) letter dated July 1, 1976:

1. The surface formation is Quarternary sand and gravel.
2. Estimated tops of geologic markers as follows:

Rustler Anhydrite -----	770'
Delaware Lime -----	4380'
Bell Canyon Sand -----	4425'
Cherry Canyon Sand -----	5275'
Brushy Canyon Sand -----	6565'
3. The depth at which oil, gas, or water are expected is: 4425', 5595', 6565'
4. Casing program and cement:

10 3/4" 40.5# H-40 ST&C @ 800' w/700 sx Class C w/2% CaCl <sub>2</sub> plus 1/4# Flocele per sx. (Circ).
5 1/2" 14 & 15.5# K-55 ST&C @ 7200' w/1400 sx Lite with 1/4# Flocele per sx plus 5# gilsonite per sx plus 300 sx Class C w/2% CaCl <sub>2</sub> (Circ).
5. Circulating Medium:

An earthen pit will be used to hold drilling fluids and cuttings. The drilling mud program is as follows:

Natural mud to 800'.	Seepage will be controlled with paper.
Brine water to 7200'	with a viscous sweep prior to logging.
6. If warranted, drill stem tests will be carried out in the Bell Canyon and Cherry Canyon.
7. Ten foot samples of cuttings will be caught from the base of the surface pipe (800') to total depth.
8. Adequate electrical and resistivity logs will be run from total depth to the base of the surface casing at 800'. The gamma ray will be run to the surface.
9. No abnormal temperatures or additional hazards are expected to be encountered.
10. Blow out Preventors: From 800'-7200' a 10" Cameron Type QRC 900 series 3000# WP, double BOP. See attached BOP sketch.
11. The anticipated starting date is September 26, 1983 with the completion expected by November 1, 1983.

CASING DESIGN

<u>CASING SIZE</u>	<u>SETTING DEPTH</u>		<u>WEIGHT</u>	<u>GRADE</u>	<u>JOINT</u>
	<u>FROM</u>	<u>TO</u>			
10 3/4"	0	800	40.5	H-40	ST&C
5 1/2"	0	5300	14	K-55	ST&C
5 1/2"	5300	7200	15.5	K-55	ST&C