APPLICATION TO DRILL

POGO PRODUCING COMPANY
STERLING SILVER "3"FEDERAL # 8
UNIT "N" SECTION 3
T24S-R31E EDDY CO. NM

9. CEMENTING & SETTING DEPTH:

20"	Conductor	Set 40' of 20" conductor and cement to surface with Redi-mix.
10 3/4"	Surface	Set ~~650~~ 750' of 10 3/4" H-40 32.75# ST&C casing, cement with 650 Sx. of Class "C" cement + additives, circulate cement to surface.
7 5/8"	Intermediate	Set 4150' of 7 5/8" J-55 26.4# ST&C casing, cement with 1100 Sx. of Class "C" cement + additives, circulate cement to surface.
4½"	Production	Set 8450' of 4½" N-80 & J-55 11.6# LT&C casing as follows: 1450' of 4½" 11.6# N-80 LT&C, 6000' of 4½" 11.6# J-55 LT&C 1000' of 4½" 11.6# N-80 LT&C. Cement in two stages, stage tool at 6200'±. Cement with 1150 Sx. of Class "H" + additiv estimate top of cement on second stage to be 3100' from surface.

CIRCULATE

10. PRESSURE CONTROL EQUIPMENT: Exhibit "E". A Series 900 3000 PSI working pressure B.O.P. consting of a double ram type preventor with a bag type annular preventor. The B.O.P. unit will be hydraulically operated. Exhibit "E-1". Choke manifold and closing unit. The B.O.P. will be nipped up on 10 3/4" casing and will be operate at least once each 24 hour period while drilling and blind rams will be operated when out of hole on trips. Full opening stabbing valve and upper kelly cock will be utilized. No abnormal pressure or temperature is expected while drilling.

11. PROPOSED MUD CIRCULATING SYSTEM:

Depth	Mud Wt.	Visc.	Fluid Loss	Type Mud System
40-~~650~~' 750'	8.6-8.8	29-36	NC	Fresh water spud mud add paper to control seepage.
750' ~~650~~-4150'	10.2-10.5	29-36	NC	Brine water use lime to control pH and paper to control seepage.
4150'-8000'	8.6-8.8	30-40	NC	Fresh water use paper to control seepage and high viscosity sweeps to clean hole.
8000-8450'	8.6-8.8	34-40	10 cc or less	Same as above use starch o Dris-Pac to control water loss

- Sufficient mud materials will be kept on location at all times in order to combat lost circulation, or unexpected kicks. In order to run DST's, open hole logs, and casing the viscosity and/or water loss may have to be adjusted to meet these needs.