APPLICATION TO DRILL

POGO PRODUCING COMPANY
PRIZE FEDERAL # 11
UNIT "O" SEC. 22
T22S-R32E LEA CO NM

9. Casing Cementing and Setting Depth:

20"	Conductor	Set 40' of 20" conductor and cement to surface with Redi-mix.
10 3/4"	Surface	Set 800' of 10 3/4" H-40 32.75# ST&C casing. Cement with 800 Sx. of Class "C" + additives circulate cement to surface.
7 5/8"	Intermediate	Set 4550' 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 9100' of 4½" J-55 & N-80 11.6# LT&C casing. Cement with 1000 Sx. of Class "H" + additives, Tie cement back to 7 5/8" casing estimate top of cement 3500'.

10. Pressure Control Equipment: Exhibit "E", A 900 Series 3000 PSI working pressure B.O.P. consisting of a double ram type preventor with a bag type annular preventor will be used. The B.O.P. unit will be hydraulically operated. Exhibit "E-1" shows choke manifold and closing unit. B.O.P. will be nippled up on 10 3/4" casing and will be operated at least once each 24 hour period while drilling and blind rams will be operated when out of hole during trips. Full opening stabbing valve and upper kelly cock will be utilized.

11. Proposed Mud Circulating System:

Depth	Mud Wt.	Visc.	Fluid Loss	Type Mud
40-800'	8.6-8.8	29-36	NC	Fresh water Spud mud, add paper to control seepage.
800-4550'	10-10.6	29-32	NC	Brine water add paper for seepage control and Lime for pH control, hole sweeps to to clean hole.
4550'-8800'	8.6-8.8	29-32	NC	Fresh water add paper to control seepage.
8800-9100'	8.6-8.8	29-38	10 cc or less	Fresh water Drispac system add soda ash to control pH and and starch to control water loss

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