

APPLICATION TO DRILL

POGO PRODUCING COMPANY
 STERLING SILVER "34" FEDERAL # 4
 UNIT "F" SECTION 34
 T23S-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 750' of 10 3/4" 32.75# H-40 ST&C casing. cement with 700 Sx. of Class "C" cement + additives, circulate cement to surface.
7 5/8"	Intermediate	Set 4250' of 7 5/8" 26.4# J-55 ST&C casing. Cement with 1100 Sx. of Class "C" cement + additives, circulate cement to surface.
4 1/2"	Production	Set 8500' of 4 1/2" 11.6# J-55 LT&C casing. Cement with 1500 Sx. of Class "H" cement in three stages set DV Tools at 6200' & 3900' ±. Circulate cement to surface.

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 operated 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
40-750'	8.6-8.9	30-38	NC	Fresh water use paper to control seepage and FW Gel if needed for viscosity to clean hole.
750-4250'	10.1-10.5	30-38	NC	Brine water use Salt Water Gel if needed for viscosity to clean hole use paper to control seepage.
4250- 8500'	8.5-8.8	30-40	NC	Fresh water add paper to control seepage and high viscosity sweeps to clean hole.

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.