APPLICATION TO DRILL

KUKUI OPERATING COMPANY
GOODNIGHT "35" FEDERAL # 3
UNIT "M" SECTION 35
T23S-R29E EDDY CO. NM

9. CEMENTING & SETTING DEPTH:

20"	Conductor	Set 40' of 20" conductor pipe and cement to surface with Redi-mix.
13 3/8"	Surface	Set ~~350~~ 400' of 13 3/8" 48# H-40 ST&C casing. Cement with 400 Sx. of Class "C" cement + 2% CaCl + ¼# Flocele/Sx. circulate cement to surface.
8 5/8"	Intermediate	Set 3100' of 8 5/8" 24# J-55 ST&C casing. Cement with 1000 Sx. of Class "C" Halco Light + additives, tail in with 200 Sx. of Class "C" + 2% CaCl + ¼# Flacele/Sx. circulate cement to surface.
5½"	Production	Set 8500' of 5½" 17# J-55 LT&C casing. Cement with 1200 Sx. Lead with 800 Sx. of Halco Light Class "C" + additives. Tail in with 400 Sx. of Class "H" cement + additives, 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 13 3/8" 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-~~350~~ 400'	8.4-8.9	29-35	NC	Fresh water spud mud add paper to control seepage.
350-3100'	10-10.3	29-36	NC	Brine water add paper to control seepage and Lime for pH control.
3100-5500'	8.9-9.4	29-38	NC	Cut brine adding paper to control seepage and Line to control pH use high viscosity sweeps to clean hole
5500-8500	10-10.5	32-38	10cc or less	Brine system with Dris-pac to control water loss, Lime to control pH.

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.