

PATTERSON NO. 1 WELL
Sec. 30, T-22-S, R-22-E
Eddy County, New Mexico

MUD PROGRAM

Drill surface to 200' with air or mist. 200'-2,000' drill with air or mist to casing point at approximately 2,000'.

2,000'-9,500' Drill with air to approximately 4,900'. However, if large volume of water entry is encountered, hole will be loaded with fresh water and fluid drilled to 4,900'. A pH of 9.5 to 10.0 will be maintained with lime and 2% to 4% KCL in system.

At approximately 4,900' hole will be mudded up with a fresh water, low solids gel type drilling fluid with a weight of 8.5 to 10.3, 40 - 50 viscosity and 10.0 cc or less water loss. Weight and viscosity will be altered as hole conditions dictate.