

PENNZOIL COMPANY
O'NEILL -B- NO. 1
EDDY COUNTY, NEW MEXICO

PROPOSED DRILLING MUD PROGRAM

Spud mud will be gel flocculated with lime. Paper should be added to control seepage. Brine water should be used below the surface with paper or fiber to control any loss. Circulate the reserve during this section. At 5100', mud up with flosal/driscap for a 34-36 viscosity and 15 cc water loss. If needed, oil may be added prior to running logs and casing. Drill out below intermediate with fresh water. By 9000', the hole must be mudded up with a low-solids Polymer system. The weight should be 11.5# - 11.8#, viscosity 38-40, and water loss below 10 cc. The exposed upper formation will not hold much more weight than the 11.8#, so care must be exercised on weight control.

J. C. Raney
Petroleum Engineer
May 23, 1973

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