EXHIBIT "E"

PETROLEUM DEVELOPMENT CORPORATION

Manzano Grande Federal #1 600' FSL & 1980' FEL, Sec. 5, T24S, R26E Eddy County, N. M.

MUD PROGRAM

- Fresh water gel and lime spud mud, 40-50 sec. 0 - 450viscosity, lost circulation material, if needed.
- 450-Brine water with lime for pH control. Sweep hole 5500 clear with a viscous slug prior to running 8-5/8" casing. Capitan Reef development is not likely, but stringers can occur at any point in the Delaware section which could cause partial to complete loss of circulation. A few sacks of paper added to the system should control seepage or mild loss.
- 5500 -Fresh water with lime for pH control. In case of 8600 fill-up after trips, maintain a 50 sec. viscosity gel in fifth pit and pump a 100-bbl. slug through the hole every 12 to 24 hours.
- 8600-Brine water for drilling Wolfcamp shale section. 10,100 After displacing first 300 bbls. of brine, add 25 sk. paper to system for sealer.
- 10,100-Add Drispac, gel, 3% KCL to maintain drilling fluid TD with the following characteristics: 10.2 - 10.7 #/gal.Weight:

34-36 seconds Viscosity: 10 cc. or less Water Loss: 0 - 5 Initial Gel:

5 - 1510-min. Gel:

Pit volume totalizers, flow sensors, drilling head Note: and mud-gas separator will be installed prior to reaching 8600'. BOP stack and related surface pressure control equipment will be tested by an independent tester.