

THE PETROLEUM CORPORATION
OF DELAWARE

3131 Turtle Creek Blvd.
Suite 400
Dallas, Texas 75219

The Petroleum Corporation
Superior Federal Well No. 8
660 FSL and 1980 FWL
Section 1-T20S-R29E
Eddy County, New Mexico

PROPOSED DRILLING FLUIDS PROGRAM

Superior Federal No. 8
Section 1, T-20-S, R-29-E
Eddy County, New Mexico

<u>DEPTH</u>	<u>DRILLING FLUIDS</u>
Surface to 450 feet	Spud mud with fresh water gel and lime; 8.5-8.8 gal; 30 to 33 viscosity
Run 20" casing, set at 450 feet	
450 feet to 1150 feet	Brine water with salt gel and lost circulation material as required; 9.3#/gal, 28 to 30 viscosity 9.5-10.0
Run 13-3/8 inch casing, set 1150 feet	
1150 feet to 3450 feet	Fresh water system. Control pH with lime. Mud weigh 8.3-8.4#/gal, viscosity 28, pH 9-10
Run 8-5/8 inch casing, set at 3450 feet	
3450 feet to 10,000 feet	Drill out with existing brine water system, circulating reserve pit, maintaining chlorides at 90,000 ppm. Control pH with lime. Mud weight 9.2-9.4#/gal, viscosity 28-32, pH 9-10.
10,000 feet to 12, 100 feet	Discontinue reserve pit circulation, return to working pits, mud up with salt gel, lower water loss to 6 cc before drilling the Morrow formation. Water loss to be controlled by increasing oil content. 9.4-9.7#/gal 38-46 viscosity.