

THE PETROLEUM CORPORATION  
OF DELAWARE

3131 Turtle Creek Blvd.  
Suite 400  
Dallas, Texas 75219

The Petroleum Corporation  
Superior Federal Well No. 9  
1830 FNL and 1980 FEL  
Section 1-T20S-R29E  
Eddy County, New Mexico

PROPOSED DRILLING FLUIDS PROGRAM

Super Federal No. 9  
Section 1-T20S-R29E  
Eddy County, New Mexico

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|---|--|
| 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 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 weight 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. |