

STATE CU NO. 1

660' FNL 1980' FEL Section 36-20S-27E

Eddy County, New Mexico

Mud Program

0- 600'	Drill with fresh water mud. Mud wt. approximately 8.5#/gal., viscosity 30-34. Set 13-3/8" casing at 600'.
600- 3000'	Drill with fresh water. If returns are lost and cannot be regained, dry drill to casing depth 3000'. Mud wt. 8.5#/gal., viscosity 28-31. Set 9-5/8" casing at 3000'.
3000- 8500'	Drill with fresh water. Add caustic for pH control. Mud wt. 8.5#/gal., viscosity 28-31.
8500-10500'	Displace fresh water with 10#/gal. brine water at 8500'. Add caustic for pH control. Mud wt. 10#/gal., viscosity 28-31.
10500-11430'	Mud up with Morrow protection fluid at 10500'. Maintain mud wt., viscosity and fluid loss as hole conditions dictate. Mud wt. approximately 10#/gal., viscosity 34-36, water loss 10 or less. Set 5-1/2" casing at TD 11430'.