

Ives A No. 1

1980' FSL, 1980' FEL, Sec. 30-21S-27E

Eddy County, New Mexico

Mud Program

0 - 400'	Drill with fresh water mud. Mud wt. approximately 8.5#/gal., viscosity 30-34. Set 13-3/8" casing at 400'.
400 - 3000'	Drill with fresh water. If returns are lost and cannot be regained, dry drill to casing depth 3000'. Mud weight 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 weight 8.5#/gal, viscosity 28-31.
8500 -10500'	Displace fresh water with 10#/gal brine water at 8500'. Add caustic for pH control. Mud weight 10#/gal, viscosity 28-31.
10500 -11650'	Mud up with Morrow protection fluid at 10500'. Maintain mud weight, viscosity and fluid loss as hole conditions dictate. Mud weight approximately 10#/gal, viscosity 34-36, water loss 10 or less. Set 5-1/2" casing at TD 11650'.