## EXHIBIT #1

W.A. Moncrief, Jr. #1 Ridge Federal Section 23, T24S, R24E Eddy County, New Mexico

## RECOMMENDED DRILLING & COMPLETION PROCEDURE

- 1. Drill  $17\frac{1}{2}$ " hole to 400' with spud mud.
- 2. Set 13-3/8" casing at 400', cement to surface and install 12" x 3000 PSI W.P. casinghead and B.O.P. stack. (Est. 300 sx Class "C" w/2% CaCl).
- 3. Drill 11<sup>1</sup>/<sub>2</sub>" hole with fresh water from 400' to 3000', control seepage with paper. Dry drill if complete loss of returns is experienced.
- 4. Load hole with 34 sec. viscosity mud at 3000', if hole is showing severe seepage, otherwise run casing with water in hole.
- 5. Set and cement 8-5/8" casing at 3000' with sufficient cement to circulate. (Estimate 900 sxs. Halliburton Lite, ½# Flocele, slurry wt. 12.8# gal. + 200 sxs. Incor Neat with 2% CaCl., slurry wt. 14.8#/gal.). WOC 24 hrs. Install 12" - 3000 PSI W.P. x 10" - 3000 PSI W.P. spool with secondary seal and bit guide, choke manifold, B.O.P., and Hydril.
- 6. Test casing, casing spool, B.O.P., and choke manifold to 3000 psig with Yellow Jacket. Install P.V.T. equipment and flow sensor at nipple up or before 8500' is reached.
- 7. Drill 7-7/8" hole to a total depth of 11,300' using fresh water to drill to 8500'. Use 4% KCL brine to 9700'. Add soda ash to treat hardness below 600 PPM and add Drispac and Starlose to maintain 31-33 sec. viscosity & 10 cc water loss. At 9700' drop water loss to 5-8 cc & increase viscosity as necessary to maintain hole to total depth.
- 8. Drill stem test all shows.
- 9. Run logs (Combination CNL-FDC w/Gamma Ray & DLL).
- 10. Set and cement 4½" oil string (rough coated and centralized through pay zone) with 350 sxs. Class "H" cement with .5 of 1% CFR-2. Pump plug down with 5% KCL packer fluid. Run temperature survey to locate cement top.
- 11. Install 10" 3000 PSI W.P. x 6" 3000 PSI W.P. tubinghead and Christmas Tree.
- 12. Move out rotary rig and move in pulling unit.
- 13. Pressure test casing and head to 3000 psig.

14. Install B.O.P.