

HOBBS OFFICE O. C. C.

0-2100' $\frac{1}{2}$ Spud mud using well and lime as needed.
 2100' $\frac{1}{2}$ - 4400' $\frac{1}{2}$ Brine water and drilling detergent.
 4400' $\frac{1}{2}$ - 6000' $\frac{1}{2}$ Low solids Fosal and oil type fluid as follows:
 Weight: 9.8 to 10.4 lbs per gallon
 Viscosity: 32 to 34 sec/1000cc
 Water Loss: No Control
 Oil Content (No. 2 diesel): 8-10%
 6000' $\frac{1}{2}$ - T.D. Low solids with water loss control.
 Weight: 9.8 to 10.4 lbs/gal
 Viscosity: 36 to 38 sec/1000cc
 Water Loss: 10cc or less
 Oil Content: 8-10%

1. Circulate portion of reserve and add all water at flowline.
2. Possible seepage to slight loss of returns may occur in the San Andres and Glorieta. Paper will usually control this loss.

BLOWOUT PREVENTERS

1. Use Series 900 blowout preventers as per Company specifications.
2. When tripping up, test blowout preventer and manifold to full working pressure with cold water, or as specified by Company representative.
3. Operate blowout preventers at least once each day, or as Company representative requires.
4. An extra set of drill pipe rams will be required on location at all times while drilling or completing.
5. All choke manifolds, lines and valves will be located at the side of and away from the derrick.

DRILL PIPE CONTROL

1. Drill pipe will be tallied at all coring, testing, logging and casing points.

