

<u>DEPTH (FEET)</u>	<u>MUD WEIGHT (PPG)</u>	<u>VISCOSITY (SEC)</u>	<u>FLUID LOSS (ML)</u>
11,000	10.0 - 10.1	28	No Control
11,500	10.0 - 10.1	32 - 33	15 - 20
12,000	10.1 - 10.2	32 - 33	15 - 20
12,500	10.1 - 10.2	34 - 36	10
13,800	10.1 - 10.2	34 - 36	10

PROPOSED MUD PROGRAM BY CASING INTERVAL

Surface 0' - 350'

No problem anticipated through this interval. Spud with an IMCO Gel/lime slurry having a viscosity of 32-34 sec. This fluid should be sufficient to safely drill and insure casing operations.

Intermediate 350' - 5,000'

Drill from under surface casing with fresh water, utilizing native solids for a 31-32 sec viscosity. We suggest the addition of brine water at 1,700' to help minimize the leeching of the Salt Section. The use of IMCO Paper will be beneficial in reducing the filter cake build up through the Santa Rosa water sand. Also the addition of 4-6% oil at 2,000' will provide better penetration rates and lubricate the hole. A fluid with these properties should be adequate to approximately 4,900' at which time hole stability will dictate the need for raising of the viscosity and the reduction of water loss to insure the safe running of intermediate casing.

Open Hole 5,000 - Total Depth

Drill from under intermediate casing with fresh water circulating the reserve pit, to minimize solids build up. Should seepage be experienced, small additions of paper type loss circulation material should rectify this problem. This fluid should be adequate to 9,800' where we suggest raising the weight to 9.4-9.8 lb/gal., with 10#/gal brine water. This fluid should be adequate to 11,500' where we suggest mudding up with a Drispac/Loid system having the following properties:

Mud Weight	10.0 - 10.1 ppg
Viscosity	32 - 33 sec
Fluid Loss	15 - 20 ml

This fluid should be adequate to safely drill to Morrow Section where we suggest lowering the fluid loss to 10 ml and maintain to total depth. This fluid with adjustments in density as required by hole conditions should be adequate for testing, logging and casing operations.