PROPOSED MUD PROGRAM

CASING DESIGN

8 5/8" Surface Casing at 1,600'

5 1/2" Production Casing to 8,000'

RECOMMENDED MUD PROPERTIES			
DEPTH	MUD WEIGHT	VISCOSITY	FLUID LOSS
Spud	8.4 - 8.6	29 - 32	No Control
1,000'	8.4 - 8.7	28 - 30	No Control
1,600'	8.4 - 8.7	28 - 30	No Control
Set 8 5/8" casing - drill out with brine water			
2,000'	10.0 - 10.2	30 - 32	No Control
3,000'	10.0 - 10.2	30 - 32	No Control
4,000'	10.0 - 10.2	30 - 32	No Control
5,000'	10.0 - 10.2	30 - 32	No Control
6,000'	10.0 - 10.2	3032	No Control
7,000'	10.0 - 10.2	30 - 32	No Control
Add Starch to water to build viscosity & lower water loss			
7,100'	10.2 - 10.3	32 - 34	<30
7,500'	10.2 - 10.3	34 - 36	<20
8,000'	10.2 - 10.3	34 - 36	<10

RECOMMENDED MUD PROGRAM BY CASING INTERVAL

Surface Hole 0 - 1600'

Spud with a Horizon Gel/Lime slurry, mixing one Lime per ten Gel for a 32 viscosity. This fluid should be sufficient to clean the shallow, poorly-consolidated surface formations. If lost circulation occurs and cannot be regained with one LCM pill, we recommend blind drilling to total depth.

91 & Q 173 MAIN