

PLANNED MUD PROGRAM

<u>INTERVAL (CCS)</u>	<u>WEIGHT (PPG)</u>	<u>VISCOSITY (SEC)</u>	<u>FL</u>
0' – Surface Casing' 40	8.3 – 9.0 N/A	28 –	

Spud with fresh water. Keep hole full and pipe moving at all times. Sweep hole with gel/lime/polymer as needed and prior to running surface casing.

<u>INTERVAL (CCS)</u>	<u>WEIGHT (PPG)</u>	<u>VISCOSITY (SEC)</u>	<u>FL</u>
Surface ' – +/- 2000' 40	8.3 – 9.0 N/A	28 –	

Drill out 8-5/8" casing with fresh water. Keep hole full and pipe moving at all times. Sweep hole with gel/lime/polymer as needed. Be prepared to mud-up system if gas shows are present.

<u>INTERVAL (CCS)</u>	<u>WEIGHT (PPG)</u>	<u>VISCOSITY (SEC)</u>	<u>FL</u>
+/- 2000' – TD' <10	9.3 – 9.5	30 – 50	

Mud-up at +/- 2,000' with LSND system using gel, caustic soda and polymer. Keep hole full and pipe moving at all times. Monitor pit volumes and be prepared for lost circulation or influx. Pump high viscosity pills as needed for hole cleaning.