

MUD PROGRAM

Nov 2 11 25 AM '65

0-1000'	Spud mud of bentonite, lime and LCM with viscosity of 40 to 50 sec/1000 cc through gravel bed section and reducing to 35 sec/1000 cc when entering red bed section. Some lost circulation may be encountered at 800 $\frac{1}{2}$ . Coarse fiber and cotton seed hulls should be used.								
1000-3000'	Use brine water to 100' above Queen Sand.								
3000-3100'	Mud up with Flo-Sal salt gel type fluid as follows:  <table border="0"> <tr> <td>Weight:</td> <td>10.0 lbs/gal or less if possible.</td> </tr> <tr> <td>Viscosity:</td> <td>34-36 sec/1000 cc (as low as possible).</td> </tr> <tr> <td>Water Loss:</td> <td>15 cc or less</td> </tr> <tr> <td>No. 2 Diesel Oil:</td> <td>5%</td> </tr> </table>	Weight:	10.0 lbs/gal or less if possible.	Viscosity:	34-36 sec/1000 cc (as low as possible).	Water Loss:	15 cc or less	No. 2 Diesel Oil:	5%
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Water Loss:	15 cc or less								
No. 2 Diesel Oil:	5%								
3100-T.D.	Same fluid as above but altering viscosity as needed. Some seepage may occur around 4000. Paper and/or fine fiber may be needed.								

BLOWOUT PREVENTERS

1. Use Series 900 blowout preventers as per Company specifications.
2. When nipping 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 substructure.

DRILL PIPE MEASUREMENTS

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