

**IMCO Services**A division of Halliburton Company
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DELTA US

STATE #8-1

SECTION 8, T-15-S, R-35-E

LEA COUNTY, NEW MEXICO 10,700'

<u>DEPTH (FEET)</u>	<u>MUD WEIGHT (PPG)</u>	<u>VISCOSITY (SEC)</u>	<u>FLUID LOSS (ML)</u>
9,000	8.4 - 8.5	28 - 29	No Control
9,500	8.6 - 8.8	34 - 36	10 - 15
10,000	8.6 - 8.8	34 - 36	10 - 15
10,700	8.8 - 9.0	36 - 38	10 - 15

PROPOSED MUD PROGRAM BY CASING INTERVALSurface 0' - 400'

Spud with an IMCO Gel/lime slurry having a 34-36 second funnel viscosity. No problems are anticipated and a fluid with this property should prove adequate to reach surface casing point. It should also provide stable hole conditions for surface casing operations.

Intermediate 400'± - 4,650'

Drill from below surface casing with fresh water utilizing native solids for a 32-33 second viscosity. At approximately 1,000', we recommend the addition of 10 sacks of IMCO Paper to control seepage through the Santa Rosa water sand. This treatment will be helpful in reducing drag due to filter cake build-up.

It is imperative that a level 32-33 viscosity be maintained if problems with the troublesome Red Bed Formation are to be minimized. Prior to the first bit trip under intermediate casing, we suggest the addition of 4-6% oil. This will enhance penetration rate, lubricity and hole stability.

At approximately 1,800', we recommend that brine water additions be made to maintain volume. The addition of brine will help minimize the leaching of the Salt Section. There is the possibility of a salt water flow at approximately 2,600' - 2,700'.

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