

**IMCO SERVICES**A Division of HALBURTON Company
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COMPANY C & K PETROLEUM WELL EDDY COUNTY PROS.
FIELD _____ LOCATION SEC. 4, 24S, 26E
COUNTY EDDY STATE NEW MEXICO

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<u>DEPTH (FEET)</u>	<u>MUD WEIGHT (PPG)</u>	<u>VISCOSITY (SEC)</u>	<u>FLUID LOSS (ML)</u>
11,400	10.0	32 - 34	6
12,000	10.0	32 - 34	6

PROPOSED MUD PROGRAM BY CASING INTERVALSurface 0' - 350'

Spud with IMCO-Gel/lime slurry having a viscosity of 34-36 sec. This fluid should provide safe drilling to casing point.

Intermediate 350' - 5,400'

Drill from under surface with brine water circulating the reserve to minimize solids build-up. A flocculant is also recommended if necessary. If seepage is encountered, small additions of paper should rectify the loss.

Open Hole 5,400' - Total Depth

We suggest drilling from under intermediate with fresh water employing the use of a flocculant (Gelex) to minimize the build-up of solids. IMCO-MD (drilling detergent) has been effective in the area in controlling solids and in torque reduction. For corrosion protection, we recommend the pH of the system be maintained in the range of 9.5 - 10.5.

Use this type fluid to 9,000' and displace hole with 10.0 ppg brine water.

Some wells in this area have encountered abnormal pressures in the Wolfcamp and Strawn requiring mud weights from 10.5 - 11.5 ppg. In this event, we suggest mudding up with IMCO-Best, Drispac and Permaloid with the following properties:

Weight	10.5 - 11.5
Viscosity	36 - 38 sec
Fluid Loss	8 - 10 ml

If additional weight is not required in the Wolfcamp and Strawn, drill with 10.0 brine to 11,000' or prior to drilling the Morrow, we recommend lowering the fluid loss to 6 - 8 ml with Drispac and Permaloid and maintain to total depth.

DISTRICT MANAGER: John Dean, Hobbs, New Mexico, 505 - 397-1582.

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