

Interval Summary 1

Chi Operating, Inc.

0 - 500 ft MD - 17 1/2" Open Hole	
Drilling Fluid System	M-I Gel/Lime Spud Mud
Key Products	M-I Gel, Lime, Drilling Paper, Bulky Fibrous LCM
Solids Control	Adjustable Linear Shaker, Desander, Desilter
Potential Problems	Seepage Losses, Lost Returns, Hole Cleaning

Interval Drilling Fluid Properties						
Depth Interval (ft)	Mud Weight (ppg)	Plastic Viscosity (cp)	Yield Point (lb/100ft ²)	API Fluid Loss (ml/30min)	HTHP Fluid Loss (ml/30min)	Total Solids (%)
0 - 500	8.8 - 9.2	4 - 8	4 - 6	NC		4 - 6

- Spud with a M-I Gel/Lime type drilling fluid having a 34 - 36 sec./qt viscosity, add 5 - 7 sacks of Drilling Paper to spud mud.
- Drilling Paper additions should be sufficient to control minor seepage losses and aid in hole cleaning.
- There is a good possibility you will encounter lost returns while drilling this interval. We suggest using bulky fibrous LCM pills to control losses.
- In the event losses are not easily controlled, it may become necessary to dry drill to casing point.
- Use viscous M-I Gel pill sweeps to ensure a clean hole if dry drilling becomes necessary.
- The gravel beds (50' - 70') can sometimes be troublesome, viscosities in the 45 - 50 sec/qt range may be required.

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