Interval Summary 2

Chi Operating, Inc.

13-3/8" Surface Casing, 500 - 1,900 ft MD - 12-1/4" Open Hole	
Drilling Fluid System	Fresh/Native
Key Products	M-I Gel, Lime, Drilling Paper, Bulky Fibrous LCM
Solids Control	Reserve Pit
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 (%)
500 - 1,900	8.4			NC		<1.5

- Drill out below 13-3/8" surface casing with fresh water, circulating a portion of the reserve pit.
- Drilling Paper additions should be sufficient to control minor seepage losses and aid in hole cleaning.
- Maintain 9.0 - 10.0 pH control with Lime.
- There is a good possibility you will encounter severe losses from 450' to total depth, use 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.

M-I Drilling Fluids LLC
508 West Wall, Suite 750
Midland, Texas 79701
Tel: (915) 683-2065 • Fax: (915) 683-1434