Interval Summary 3

Chi Operating, Inc.

			HOIE	1,900 ft M		
		Fresh/Native, Brine/Native, Duo-Vis/My-Lo-Jel/Dualflo				
		Lime, Drilling Paper, Duo-Vis, My-Lo-Jel, DMS, Greencide, Poly- pac, Dualflo				
Solida				ar Shaker, Cent		
• • • • • • • • • • • • • • • • • • • •		Seepage Losses, Lost Returns, Hole Cleaning, Abnormal Pressusre Sensitive Shales Serval Drilling Fluid Properties				
				Propertie	S	
Depth Interval (ft)	Mud Weight			API Fluid Loss (ml/30min)	LSRV CPS	Solids (%)
Interval (ft)	Mud Weight (ppg)	Plastic Viscosity	ng Fluid Yield Point	API Fluid Loss	LSRV	Solids (%) <1.5
Interval (ft) 1,900 - 9,000	Mud Weight	Plastic Viscosity	ng Fluid Yield Point	API Fluid Loss (ml/30min)	LSRV	Solids (%) <1.5 <1.5
Interval (ft)	Inte Mud Weight (ppg) 8,4 - 8.8	Plastic Viscosity (cp)	ng Fluid Yield Point	API Fluid Loss (ml/30min) NC	LSRV	

Drill out below 9-5/8" intermediate casing with fresh water, circulating a portion of the reserve pit.

- Maintain 9.0 10.0 pH control with Lime.
- Drilling Paper additions should be sufficient to control minor seepage losses.
- Use M-I Gel pill sweeps to ensure a clean hole.
- There is a possibility some gas or water flows may be encountered. These flows may contain H₂S gas, we suggest adding 10.0 lb/gal brine for needed fluid weight to control any intrusions by gas or water.
- At 9,000', displace hole with 10.0 ppg brine, circulating through the steel pits to monitor flow
- At 9,000', displace hole with 10.0 ppg office, enclineary 12.0 b
 At 9,900', we recommend mudding up with a Duo Vis/Polypac/My-Lo-Jel type drilling fluid.
- Maintain 10 10.2 lb/gal mud weight, 34 38 sec/qt viscosity and 8 10cc's fluid loss after mud up.
- Pressures from the Strawn may require setting of 7" casing prior to drilling deeper.
- Prior to the Morrow, adjust LSRV to 20,000+ cps and lower fluid loss to 6 cc's or less.
- Abnormal pressures may be encountered from the Lower Wolfcamp, Strawn and Atoka) Sections that may require a drilling fluid weight increase above 10.4 ppg, adjust mud weight using M-I Bar for well control.

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