

RANGER WELL NO. 17

PROPOSED MUD PROGRAM SUMMARY

DEPTH	MUD WEIGHT	VISCOSITY	FLUID LOSS	% SOLIDS	COMMENTS
Surf - 400'	8.5-9.1 ppg	34-38 sec/1000 cc	No Control	---	Spud Mud
400' - 2000'	8.6-8.8 ppg	32-34 sec/1000 cc	No Control	---	Fresh Water / Native Mud
2000' - 4200'	10.0-10.2 ppg	30-33 sec/1000 cc	No Control	---	Brine Water / Magma Fiber Sweeps
4200' - 7600'	8.6-8.8 ppg	28-29 sec/1000 cc	No Control	---	Fresh Water / Magma Fiber Sweeps
7600' - 7900'	8.7-8.9 ppg	30-34 sec/1000 cc	No Control	< 2	Cut Brine / MF-55
7900' - 9000'	8.7-8.9 ppg	30-32 sec/1000 cc	No Control	< 2	Cut Brine / MF-55
9000' - 12800'	8.7-8.9 ppg	30-32 sec/1000 cc	15 cc or less	< 2	Cut Brine / MF-55 / Drispac+
12800' - 13800'	8.8-9.0 ppg	36-40 sec/1000 cc	10 cc or less	< 2	Cut Brine / MF-55 / Drispac+