

Arrant, Bryan

From: Zeno Farris [zfarris@magnumhunter.com]
Sent: Friday, February 06, 2004 10:09 AM
To: barrant@state.nm.us
Subject: RE: White City 33 Unit Com No. 3

Bryan attached is proposed mud system for the referenced well.

11 Proposed Mud Circulating System:

30 - 015 - 33221

Depth	Mud Wt	Viscosity	Fluid Loss	Type Mud
0 - 350'	8.4 - 8.6	30 - 32	May lose circ.	Fresh water spud mud add p control seepage and high vis sweeps to clean hole.
350' - 1550'	9.7 - 10.0	28 - 29	May lose circ.	Brine water. Add paper as control seepage and add lim pH (9-10). Use high viscosit clean hole.
1550' - 8300'	8.4 - 9.9	28 - 29	NC	Fresh water. Paper for seep for pH (9 - 9.5)
8300' - 10000'	8.45 - 8.9	28 - 29	NC	Cut brine. Caustic for pH cc
10000' - 13000'	8.9 - 9.7	29 - 45	NC	XCD Polymer mud system.

Sufficient mud materials will be kept on location at all times in order to combat lost ci unexpected kicks. In order to run DST's, open hole logs, and casing, the viscosity ar may have to be adjusted in order to meet these needs. Mud system monitoring equi derrick floor indicators and visual/audio alarms shall be installed and operative prior t the Wolfcamp formation. This equipment will remain in use until production casing is cemented.

Thanks

Zeno Farris