Recommended Drilling Mud Program

Re-Enter → Spud 2/2008
Inactive - Abandoned
12/7/2007
(D+A)

Mud-Co / Service Mud Inc.

100 S. Main St., Suite #310 / Wichita, Ks. / 316-264-2814

Drilled to 3815

Company: Rupe Oil Company (AA Drilling #1) **Date:** November 7, 2007

Well Name: #1 Woodruff **Proposed Depth** 3950'

Location: SW/4, 17-25S-05W **County:** Reno **State:** Kansas

Casing, Cond: None **Surface:** 8 5/8" @ 250' **Inter:** _____ **Prod:** _____

RECOMMENDED MUD PROPERTIES					TREATMENTS
DEPTH FT	WEIGHT LBS/GAL	VISCOSITY SEC/QT	FILTRATE ML	LCM LBS/BBL	
0'					
250'	9.4-10	34-40	no cont	0-1	-Premix Soda ash and Premium Gel in fresh water for viscosity to drill surface hole. -Add Lime as needed to thicken mud and sweep hole clean for casing. -Add LCM as needed..
250'		as			-Drill this interval with native mud and plenty of fresh water. -Jet often to keep solids and mud weight to a minimum. -Premix Soda Ash and Premium Gel in fresh water and add as needed for viscosity to clean the hole and to suspend any needed LCM. -Add LCM as needed.
2500'	9.0-9.4	needed	no cont	0-1	
2500'					-Have frac and premix tank full of chemical mud and ready to displace the hole at 2500' -Keep hardness treated out with Soda Ash -Raise and maintain ph @ 9.5-10 with Caustic -Mix lignite in each tank and at flowline to disperse gel and help reduce filtrate. -Raise and maintain viscosity @ 42-45 sec/qt with Premix. -Add Drill Pak as needed to reduce filtrate. -Add LCM as needed.
3300'	9.2-9.4	42-45	12-15	0-1	
3300'					-Same chemical treatments as above. -Raise and maintain viscosity to 45-50 sec/qt. -Reduce filtrate to 8-10cc with Drill Pak. -Add LCM as needed.
3950'	9.2-9.4	45-50	8-10	0-1	

REMARKS

-Check make up water prior to spudding, during drilling and at reserve pit at TD. Record calcium content, chloride content and source of water.
-Displace system at 2500' and have mud and hole in condition to DST the Miss at 3400' to TD.
-Suggest a short trip prior to DST or log, if hole pulls tight on trips out.

Estimated cost for mud materials: $ 8,000.00 (less 15% for payment in 30 days)
Recommended program based on: experience and records in the immediate area.

Mud-Co / Service Mud Inc. Warehouse - Pratt, Ks.
Mud-Co / Service Mud Inc. Field Engineer - Brad Bortz - Pratt, Ks.
Mud-Co / Service Mud Inc. Field Engineer - Jason Whiting - Gt Bend, Ks.
Mud-Co / Service Mud Inc. Corp. Office - Wichita, Ks.

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