


Hydro Resources 13027 County Rd 18 FT Lupton, CO 80621 Phone: 303-857-4171						DRILLING MUD REPORT 2									
Version 1.25.1				Date 08/05/14		Measured Depth 2,351 ft.		T.V. Depth							
OPERATOR: Augustus				CONTRACTOR: Excell		Spud Date 08/04/14		Present Activity TD/Circ							
Operator's Representative:				Contractor's Representative: Mark		Rig No. 2		State: CO							
Well Name & No. Cantrall 34-34		Field: Legal: SWSE S34-T1S-R44W		County, Parish: Yuma		State: CO									
BIT DATA		CASING & DRILLING ASSEMBLY				VOLUMES		PUMP INFORMATION							
PUMP #1		PUMP #2		ANNULAR VELOCITY											
Bit Size	6.25	Size	7	set @	480	Ft	Pipe Capacity	GD200FXN	Drill Pipe	190 ft/min					
Bit Type	TC MI5	Size		set @		Ft	20 bbls	5.5 x14	Drill Collar	190 ft/min					
Bit No.		Size		set @		Ft	Ann Volume	65 SPM	CIRCULATING PRESSURE						
Jets (32nd)		Size		set @		Ft	69 bbls	3.68 G/ST	1133 psi						
13	13	Drill Collar	3.5	2.8	329		Hole Volume	239 GPM	BOI, UP	12 min					
13	12	Drill Collar					89 bbls	5.69 BPM	SURF. TO BIT	3.5 min					
12		Drill Pipe	3.5	3	2022		Total Cir Vol	Total GPM	TOT. CIR TIME	33 min					
		H.W. Drill Pipe					189 bbls	239	5.69						
Sample Fro <input checked="" type="checkbox"/> Flowline <input type="checkbox"/> Pit		Mud Properties				Calculate Alkalinity <input type="checkbox"/> Check		HYDRAULICS							
Flowline Temperature (°F)								Jet Velocity 126 Ft/Sec		Nozzle Area					
Time Sample Taken		0615						Horsepower 0.5 HP/SQ.In		0.61 Sq In					
Depth (ft)		2351						Impact Force 4.3 lbf/Sq. In		ECD					
Mud Weight (ppg)		8.5						Press Loss at Bit 120psi		8.58 ppg					
Mud Gradient (psi/ft)		0.442						Press Loss at Bit 11%							
Funnel Viscosity @		28						Recommended Equipment							
Plastic Visc.cp @ 75 °F		2				Cntrfuge <input checked="" type="checkbox"/> Shaker <input checked="" type="checkbox"/> Desander <input type="checkbox"/>									
Yield Point (lb/100ft2)		2				Degasser <input type="checkbox"/> Desilter <input type="checkbox"/> Other <input type="checkbox"/>									
Gel Strength (lb/100ft2) 10-sec		0				Recommended Mud Properties									
Gel Strength (lb/100ft2) 10-min		0				By Authority of: <input type="checkbox"/> Company Representative <input type="checkbox"/> Drilling Contractor									
Gel Strength (lb/100ft2) 30-min		x				Mud Wt:		Filtrate:		Viscosity:					
Filtrate API (cm3/30 min)		6.4				LCM:		Excess Lime:		lb/bbl					
Filtrate API HTHP (cm3/30 min)		x				RECOMMENDED TOURLY TREATMENT									
Cake Thickness (/32nds)		1													
Solids Content (% by vol)		1.3													
Water Content (% by Vol.)		98.7													
Sand Content (% by vol)		tr													
Bentonite Content (lb/bbl)		x													
pH <input checked="" type="checkbox"/> Strip <input type="checkbox"/> Meter		7.5													
Alkalinity Mud (Pm) cm3 N/50 Acid		x													
Alkalinity, Pf / Mf		0.0/1.5													
Chloride (mg/l)		13200													
Total Hardness as Calcium (mg/l)		680													
Oil Content (% by vol)		0													
LCM (lb/bbl)		0													
Excess Lime (lb/bbl)		0													
DAILY REMARKS															
Solids Analysis															
L.G. Solids	%	H.G. Solids		%											
L.G. Solids	ppb	H.G. Solids		ppb											
Corrected Solids	%	Average Sp. Gr.													
CHEMICALS	GEL	LIME	CAUSTIC	SODA ASH	QDF PAC-1	HYDRO VIS-30	74L	SOAP STICK	SAW DUST	BAR	WAL NUT	DRIS PAC SL	DRIS PAC REG	BEADS	LUBE
Starting Inventory															
Chemicals Received															
Closing Inventory															
Chemicals Used															
Daily Cost															
CHEMICALS	TREAT O CLAY														
Starting Inventory															
Chemicals Received															
Closing Inventory															
Chemicals Used															
Daily Cost															
TECHNICAL REP:	Carla Restivo		WAREHOUSE		13027 CR 18		NAME:								
CELL PHONE NO.	303-304-4528		ADDRESS:		Ft. Lupton, CO 80621		PHONE:								
ANS. SERVICE:			PHONE:		(303) 857-4171		PHONE:								
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