


<b>Hydro Resources</b> 13027 County Rd 18 FT Lupton, CO 80621 Phone: 303-857-4171								<b>DRILLING MUD REPORT</b>				2											
Version 1.25.1				Date 07/17/14				Measured Depth 2,024 ft.				T.V. Depth											
OPERATOR: Augustus Energy				CONTRACTOR: Excell				Spud Date 07/16/14				Present Activity Drilling		Rig No. 2									
Operator's Representative:				Contractor's Representative: Mark				County, Parish: Yuma				State: CO											
Well Name & No. Field: Vernon 86500				Hays 14-35 1s44w Legal: SWSW,Sec35,Twp1s,Rng44w				VOLUMES				PUMP INFORMATION				HYDRAULICS							
BIT DATA				CASING & DRILLING ASSEMBLY				Pit Vol.				PUMP #1				PUMP #2				ANNULAR VELOCITY			
Bit Size 6.25				Size 7.25 set @ 453 Ft				Pipe Capacity 200FXN								Drill Pipe 262 ft/min							
Bit Type MI516				Size set @ Ft				14 bbls 5.25 x14								Drill Collar 1244 ft/min							
Bit No.				Size set @ Ft				Ann Volume 63 SPM								CIRCULATING PRESSURE							
Jets (32nd)				Size set @ Ft				50 bbls 4.56 G/ST								1405 psi							
13 13				Drill Collar 5.78 2.5 337				Hole Volume 287 GPM								BOT. UP 7 min							
13 12				Drill Collar				64 bbls 6.83 BPM								SURF. TO BIT 2.0 min							
12				Drill Pipe 3.5 2.74 1687				Total Cir Vol Total GPM Total BPM								TOT. CIR TIME 31 min							
				H.W. Drill Pipe				214 bbls 287 6.83															
Sample Fro <input type="checkbox"/> Flowline <input type="checkbox"/> Pit				Mud Properties				Calculate Alkalinity <input type="checkbox"/> Check				HYDRAULICS											
Flowline Temperature (°F)				86								Jet Velocity 151 Ft/Sec				Nozzle Area							
Time Sample Taken				7:45pm								Horsepower 1 HP/SQ.In				0.61 Sq In							
Depth (ft)				2024								Impact Force 6.3 lbf/Sq. In				ECD							
Mud Weight (ppg)				8.7								Press Loss at Bit 177psi				10.25 ppg							
Mud Gradient (psi/ft)				0.4524								Press Loss at Bit 13%											
Funnel Viscosity @ °F				29								Recommended Equipment											
Plastic Visc.cp @ 75 °F				5				Cntrfuge <input checked="" type="checkbox"/> Shaker <input checked="" type="checkbox"/> Desander <input type="checkbox"/>															
Yield Point (lb/100ft2)				0				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 checked="" type="checkbox"/> Drilling Contractor															
Gel Strength (lb/100ft2) 30-min				x				Mud Wt: 8.5-9.2 Filtrate: 6-8cc Viscosity: 28-32															
Filtrate API (cm3/30 min)				8				LCM:				Excess Lime:				lb/bbl							
Filtrate API HTHP (cm3/30 min)				x				RECOMMENDED TOLURLY TREATMENT															
Cake Thickness (/32nds)				1				Mud looks good for TD.															
Solids Content (% by vol)				2.8																			
Water Content (% by Vol.)				97.2																			
Sand Content (% by vol)				.1																			
Bentonite Content ( lb/bbl)				x																			
pH <input checked="" type="checkbox"/> Strip <input type="checkbox"/> Meter				7																			
Alkalinity Mud (Pm) cm3 N/50 Acid				x																			
Alkalinity, Pf / Mf				0/1.2																			
Chloride (mg/l)				14500																			
Total Hardness as Calcium (mg/l)				700																			
Oil Content (% by vol)				0																			
LCM (lb/bbl)				x																			
Excess Lime (lb/bbl)				x				If you have any questions please give me a call @ (970)302-3793, Thank you.															
								DAILY REMARKS															
Solids Analysis																							
L.G. Solids				H.G. Solids																			
L.G. Solids				H.G. Solids																			
Corrected Solids				Average Sp. Gr.																			
CHEMICALS																							
Starting Inventory																							
Chemicals Received																							
Closing Inventory																							
Chemicals Used																							
Daily Cost																							
CHEMICALS																							
Starting Inventory																							
Chemicals Received																Est. Drayage:							
Closing Inventory																Est. Taxes: \$ -							
Chemicals Used																Est. Daily Cost: \$ 100.00							
Daily Cost																Est. Cumulative Cost: \$ 100.00							
TECHNICAL REP: Jeremy Cigich				WAREHOUSE: 13027 CR 18				NAME:															
CELL PHONE NO: (970)302-3793				ADDRESS: Ft. Lupton, CO 80621				PHONE:															
ANS. SERVICE:				PHONE: (303) 857-4171				PHONE:															
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