


Hydro Resources 13027 County Rd 18 FT Lupton, CO 80621 Phone: 303-857-4171		 <b>Hydro</b> resources		DRILLING MUD REPORT		2	
Version 1.25.1		Date 07/16/04		Measured Depth 1,890 ft.		T.V. Depth	
Spud Date 07/15/14		Present Activity Drilling		Rig No. 2			
OPERATOR: Augustus Energy		CONTRACTOR: Excell					
Operator's Representative:		Contractor's Representative: Mark					
Well Name & No. Field: Wild Cat		County, Parish: Yuma		State: CO			
Legacy Acres 34-35 1s44w Legal: SWSE, Sec35, Twp1s, Rng44w		VOLUMES		PUMP INFORMATION		HYDRAULICS	
BIT DATA		CASING & DRILLING ASSEMBLY		Pit Vol.		ANNULAR VELOCITY	
Bit Size 6.25 Size 7.25 set @ 480 Ft		Pipe Capacity 200FXN		PUMP #1		Drill Pipe 262 ft/min	
Bit Type MI516 Size set @ Ft		13 bbls 5.25 x14		PUMP #2		Drill Collar 1244 ft/min	
Bit No. Size set @ Ft		Ann Volume 63 SPM				CIRCULATING PRESSURE	
Jets (32nd) Size set @ Ft		47 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		60 bbls 6.83 BPM				SURF. TO BIT 1.9 min	
12 12 Drill Pipe 3.5 2.74 1553		Total Cir Vol Total GPM Total BPM				TOT. CIR TIME 31 min	
H.W. Drill Pipe		210 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)		75				Jet Velocity 151 Ft/Sec Nozzle Area	
Time Sample Taken		3:30pm				Horsepower 0.9 HP/SQ.In 0.61 Sq In	
Depth (ft)		1890				Impact Force 6.2 lbf/Sq. In ECD	
Mud Weight (ppg)		8.5				Press Loss at Bit 173psi 9.03 ppg	
Mud Gradient (psi/ft)		0.442				Press Loss at Bit 12%	
Funnel Viscosity @ °F		28				Recommended Equipment	
Plastic Visc.cp @ 75 °F		1				Cntrfuge <input checked="" type="checkbox"/> Shaker <input checked="" type="checkbox"/> Desander <input type="checkbox"/>	
Yield Point (lb/100ft²)		3				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)		4.8				LCM: Excess Lime: lb/bbl	
Filtrate API HTHP (cm³/30 min)		x				RECOMMENDED TOURLY TREATMENT	
Cake Thickness (/32nds)		1				Mud looks good for TD.	
Solids Content (% by vol)		1.3					
Water Content (% by Vol.)		98.7					
Sand Content (% by vol)		.05					
Bentonite Content (lb/bbl)		x					
pH <input checked="" type="checkbox"/> Strip <input type="checkbox"/> Meter		8					
Alkalinity Mud (Pm) cm³ N/50 Acid		x					
Alkalinity, Pf / Mf		.1/1.64					
Chloride (mg/l)		12,400					
Total Hardness as Calcium (mg/l)		1040					
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 ppb		H.G. Solids ppb					
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:			
AMS SERVICE:		PHONE: (303) 857-4171		PHONE:			
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