


Hydro Resources 13027 County Rd 18 FT Lupton, CO 80621 Phone: 303-857-4171					DRILLING MUD REPORT 3			
Version 1.25.1			Date 08/26/14		Measured Depth 2,912 ft.		T.V. Depth	
OPERATOR: Augustus Energy			CONTRACTOR: Excell		Spud Date 08/25/14		Present Activity Circulating TD	
Operator's Representative:			Contractor's Representative: Mark		Rig No. 2		State: CO	
Well Name & No. Field: Wildcat			County, Parish: Yuma		State: CO			
Barber 34-07 5N46W Legal: SWSE,Sec7,Twp5N,Rng46W			VOLUMES		PUMP INFORMATION		HYDRAULICS	
BIT DATA			CASING & DRILLING ASSEMBLY		Pit Vol.		ANNULAR VELOCITY	
Bit Size 6.25 Size 7.25 set @ 507 Ft			Pipe Capacity 200FXN		PUMP #1		PUMP #2	
Bit Type MI516 Size set @ Ft			21 bbls 5.25 x14				Drill Pipe 262 ft/min	
Bit No. Size set @ Ft			Ann Volume 63 SPM				Drill Collar 1244 ft/min	
Jets (32nd) Size set @ Ft			74 bbls 4.56 G/ST				CIRCULATING PRESSURE	
13 13 Drill Collar 5.78 2.5 337			Hole Volume 287 GPM				1325 psi	
13 12 Drill Collar			95 bbls 6.83 BPM				BOT. UP 11 min	
12 Drill Pipe 3.5 2.74 2575			Total Cir Vol Total GPM Total BPM				SURF. TO BIT 3.1 min	
H.W. Drill Pipe			245 bbls 287 6.83				TOT. CIR TIME 36 min	
Sample Fro <input type="checkbox"/> Flowline <input type="checkbox"/> Pit			Mud Properties		Calculate Alkalinity <input checked="" type="checkbox"/> Check		HYDRAULICS	
Flowline Temperature (°F)			102.5		Carbonates: 0 EPM		Jet Velocity 151 Ft/Sec Nozzle Area	
Time Sample Taken			8:30am		Bicarbonates: 0 EPM		Horsepower 1 HP/SQ.In 0.61 Sq In	
Depth (ft)			2912		Hydroxyls: 0 EPM		Impact Force 6.3 lbf/Sq. In ECD	
Mud Weight (ppg)			8.6		Excess Lime: 0.00 lb/bbl		Press Loss at Bit 175psi	
Mud Gradient (psi/ft)			0.4472		Lime Needed: 0.00 lb/bbl		Press Loss at Bit 13%	
Funnel Viscosity @ °F			31		Recommended Equipment			
Plastic Visc.cp @ 75 °F			4		Centrifuge <input type="checkbox"/> Shaker <input 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)			8		LCM: Excess Lime: lb/bbl			
Filtrate API HTHP (cm3/30 min)			x		RECOMMENDED TOURLY TREATMENT			
Cake Thickness (/32nds)			1					
Solids Content (% by vol)			2.0					
Water Content (% by Vol.)			98					
Sand Content (% by vol)			.1					
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			0/8					
Chloride (mg/l)			12600					
Total Hardness as Calcium (mg/l)			140					
Oil Content (% by vol)			0					
LCM (lb/bbl)			x					
Excess Lime (lb/bbl)			x					
			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: \$ -					
Daily Cost			Est. Cumulative Cost: \$ 100.00					
TECHNICAL REP: Jeramy 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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