

Hydro Resources 13027 County Rd 18 FT Lupton, CO 80621 Phone: 303-857-4171 Version 1.25.1					DRILLING MUD REPORT			3
					Date	Measured Depth	T.V. Depth	
					10/22/14	3,011 ft.		
			Spud Date	Present Activity	Rig No.			
			10/21/14	Circulating TD	2			
OPERATOR:		Augustus Energy		CONTRACTOR:		Excell		
Operator's Representative:				Contractor's Representative:		Mark		
Well Name & No.		Field:		County, Parish:		State:		
Haven Hill 14-15 4n47w		Wild Cat		Yuma		CO		
Legal:		SWNE,Sec3,Twp2s,Rng44w		VOLUMES		PUMP INFORMATION		
BIT DATA		CASING & DRILLING ASSEMBLY		Pit Vol.		ANNULAR VELOCITY		
Bit Size	6.25	Size	7.25	set @	484	Pipe Capacity	200FXN	
Bit Type	Mi516	Size		set @		2 bbls	5.25 x14	
Bit No.		Size		set @		Ann Volume	63 SPM	
Jets (32nd)		Size		set @		108 bbls	4.56 G/ST	
13	13	Drill Collar		5.78	2.5	Hole Volume	287 GPM	
13	13	Drill Collar				110 bbls	6.83 BPM	
12		Drill Pipe				Total Cir Vol	Total GPM	
		H.W. Drill Pipe				260 bbls	287	
						Total BPM	Total BPM	
							6.83	
Sample Fro	<input type="checkbox"/> Flowline	<input type="checkbox"/> Pit	Mud Properties		Calculate Alkalinity <input checked="" type="checkbox"/>		Check	
Flowline Temperature (°F)			111		Carbonates:	0	EPM	
Time Sample Taken			5:59am		Hydroxyls:	0	EPM	
Depth (ft)			3011		Excess Lime:	0.00	lb/bbl	
Mud Weight (ppg)			8.6		Lime Needed:	0.00	lb/bbl	
Mud Gradient (psi/ft)			0.4472		Recommended Equipment			
Funnel Viscosity @		°F	28		Centrifuge	<input checked="" type="checkbox"/>	Shaker	
Plastic Visc.cp @	75	°F	2		Desander	<input type="checkbox"/>		
Yield Point (lb/100ft2)			1		Degasser	<input type="checkbox"/>	Desilter	
Gel Strength (lb/100ft2) 10-sec			0		Other	<input type="checkbox"/>		
Gel Strength (lb/100ft2) 10-min			0		Recommended Mud Properties			
Gel Strength (lb/100ft2) 30-min			x		By Authority of:	<input type="checkbox"/>	Company Representative	
Filtrate API (cm3/30 min)			6.8		Mud Wt:	8.5-9.2	Filtrate:	
Filtrate API HTHP (cm3/30 min)			x		LCM:		6-8cc	
Cake Thickness (/32nds)			1		RECOMMENDED TOURLY TREATMENT			
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			7.5					
Alkalinity Mud (Pm) cm3 N/50 Acid			x					
Alkalinity, Pf / Mf			.00/1.49					
Chloride (mg/l)			12900					
Total Hardness as Calcium (mg/l)			560					
Oil Content (% by vol)			x					
LCM (lb/bbl)			x					
Excess Lime (lb/bbl)			x					
DAILY REMARKS								
Solids Analysis				Mud looks good, everything is in spec.				
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								
Closing Inventory								
Chemicals Used								
Daily Cost								
						Est. Drayage:		
						Est. Taxes:	\$	
						Est. Daily Cost:	\$ 100.00	
						Est. Cumulative Cost:	\$ 200.00	
TECHNICAL REP:		Jeremy Cigich		WAREHOUSE:		13027 CR 18		
CELL PHONE NO.:		(970)302-3793		ADDRESS:		Ft. Lupton, CO 80621		
ANS. SERVICE:				PHONE:		(303) 857-4171		
				NAME:				
				PHONE:				
				PHONE:				
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