

Hydro Resources 13027 County Rd 18 FT Lupton, CO 80621 Phone: 303-857-4171 Version 3.15						DRILLING MUD REPORT 2	
Date		Measured Depth		T.V. Depth			
11/18/14		2,789 ft.		2789 ft			
Spud Date		Present Activity		Rig No.			
11/16/14		TD/circ		2			
OPERATOR: Omimex			CONTRACTOR: Excell				
Operator's Representative:			Contractor's Representative: Mark				
Well Name & No.		Field:	County, Parish:		State:		
Kennedy St 11-36-7-45		Holyoke South	Philllips		CO		
Legal:		NESW S36-T7N-R45W	VOLUMES	PUMP INFORMATION			
BIT DATA		CASING & DRILLING ASSEMBLY		HYDRAULICS			
Pit Vol.		PUMP #1	PUMP #2	ANNULAR VELOCITY			
Bit Size 6.25		Size 7	set @	Ft	Pipe Capacity		
Bit Type TC MI5		Size	set @	Ft	GD FXN200		
Bit No.		Size	set @	Ft	24 bbls		
Jets (32nd)		Size	set @	Ft	Ann Volume		
12		12	3.5	2454	64 SPM		
12		13	3.5	2454	83 bbls		
13		13	3.5	2454	3.67 G/ST		
H.W. Drill Pipe		H.W. Drill Pipe	H.W. Drill Pipe	H.W. Drill Pipe	Hole Volume		
H.W. Drill Pipe		H.W. Drill Pipe	H.W. Drill Pipe	H.W. Drill Pipe	235 GPM		
H.W. Drill Pipe		H.W. Drill Pipe	H.W. Drill Pipe	H.W. Drill Pipe	107 bbls		
H.W. Drill Pipe		H.W. Drill Pipe	H.W. Drill Pipe	H.W. Drill Pipe	5.60 BPM		
H.W. Drill Pipe		H.W. Drill Pipe	H.W. Drill Pipe	H.W. Drill Pipe	Total Cir Vol		
H.W. Drill Pipe		H.W. Drill Pipe	H.W. Drill Pipe	H.W. Drill Pipe	257 bbls		
H.W. Drill Pipe		H.W. Drill Pipe	H.W. Drill Pipe	H.W. Drill Pipe	Total GPM		
H.W. Drill Pipe		H.W. Drill Pipe	H.W. Drill Pipe	H.W. Drill Pipe	Total BPM		
H.W. Drill Pipe		H.W. Drill Pipe	H.W. Drill Pipe	H.W. Drill Pipe	1050 psi		
H.W. Drill Pipe		H.W. Drill Pipe	H.W. Drill Pipe	H.W. Drill Pipe	BOT. UP		
H.W. Drill Pipe		H.W. Drill Pipe	H.W. Drill Pipe	H.W. Drill Pipe	15 min		
H.W. Drill Pipe		H.W. Drill Pipe	H.W. Drill Pipe	H.W. Drill Pipe	SURF. TO BIT		
H.W. Drill Pipe		H.W. Drill Pipe	H.W. Drill Pipe	H.W. Drill Pipe	4.3 min		
H.W. Drill Pipe		H.W. Drill Pipe	H.W. Drill Pipe	H.W. Drill Pipe	TOT. CIR TIME		
H.W. Drill Pipe		H.W. Drill Pipe	H.W. Drill Pipe	H.W. Drill Pipe	46 min		
Sample Fro <input checked="" type="checkbox"/> Flowline <input type="checkbox"/> Pit			Mud Properties		Calculate Alkalinity <input type="checkbox"/> Check		
Flowline Temperature (°F)			1400		Jet Velocity		
Time Sample Taken			2789		105 Ft/Sec		
Depth (ft)			9.3		Nozzle Area		
Mud Weight (ppg)			0.4836		Horsepower		
Mud Gradient (psi/ft)			33		0.4 HP/SQ.In		
Funnel Viscosity @			6		Impact Force		
Plastic Visc.cp @			12		3.9 lbf/Sq. In		
Yield Point (lb/100ft2)			5		Press Loss at Bit		
Gel Strength (lb/100ft2) 10-sec			18		91psi		
Gel Strength (lb/100ft2) 10-min			x		Press Loss at Bit		
Gel Strength (lb/100ft2) 30-min			4.4		9%		
Filtrate API (cm3/30 min)			x		Recommended Equipment		
Filtrate API HTHP (cm3/30 min)			1		Cntrfuge <input type="checkbox"/> Shaker <input checked="" type="checkbox"/> Desander <input type="checkbox"/>		
Cake Thickness (/32nds)			7.3		Degasser <input type="checkbox"/> Desilter <input type="checkbox"/> Other <input type="checkbox"/>		
Solids Content (% by vol)			92.7		Recommended Mud Properties		
Water Content (% by Vol.)			.25		By Authority <input checked="" type="checkbox"/> Company Representative <input type="checkbox"/> Drilling Contractor <input type="checkbox"/>		
Sand Content (% by vol)			x		Mud Wt:		
Bentonite Content (lb/bbl)			8.0		LCM:		
pH <input checked="" type="checkbox"/> Strip <input type="checkbox"/> Meter			x		Filtrate:		
Alkalinity Mud (Pm) cm3 N/50 Acid			0.0/1.4		Viscosity:		
Alkalinity, Pf / Mf			14800		Excess Lime:		
Chloride (mg/l)			580		lb/bbl		
Total Hardness as Calcium (mg/l)			0		RECOMMENDED TOURLY TREATMENT		
Oil Content (% by vol)			0				
LCM (lb/bbl)			0				
Excess Lime (lb/bbl)			0				
DAILY REMARKS							
Solids Analysis							
L.G. Solids		% ppb	H.G. Solids		% ppb		
L.G. Solids		% ppb	H.G. Solids		% ppb		
Corrected Solids		% Average Sp. Gr.					
CHEMICALS	GEL	LIME	CAUSTIC	SODA ASH	QDF PAC-1		
Starting Inventory							
Chemicals Received							
Closing Inventory							
Chemicals Used							
Daily Cost							
CHEMICALS							
Starting Inventory							
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