


<div>Hydro Resources</div> <div>13027 County Rd 18</div> <div>FT Lupton, CO 80621</div> <div>Phone: 303-857-4171</div>						<div></div>						<div>DRILLING MUD REPORT</div> <div>2</div>					
Version 3.15						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:		Holyoke South		County, Parish:		Phillilps			State:	CO					
Kennedy St 11-36-7-45		Legal:		NESW S36-T7N-R45W		VOLUMES		PUMP INFORMATION			HYDRAULICS						
BIT DATA		CASING & DRILLING ASSEMBLY					Pit Vol.		PUMP #1		PUMP #2		ANNULAR VELOCITY				
Bit Size	6.25	Size	7	set @		Ft	Pipe Capacity		GD FXN200				Drill Pipe	187 ft/min			
Bit Type	TC MI5	Size		set @		Ft	24 bbls		5.5 x14				Drill Collar	187 ft/min			
Bit No.		Size		set @		Ft	Ann Volume		64 SPM				CIRCULATING PRESSURE				
Jets (32nd)		Size		set @		Ft	83 bbls		3.67 G/ST				1050 psi				
12	12	Drill Collar Drill Collar Drill Pipe H.W. Drill Pipe		3.5			Hole Volume		235 GPM				BOT. UP	15 min			
12	13						107 bbls		5.60 BPM				SURF. TO BIT	4.3 min			
13	13			3.5		2454	Total Cir Vol		Total GPM		Total BPM		TOT. CIR TIME	46 min			
								257 bbls		235		5.60					
Sample Fro		<input checked="" type="checkbox"/> Flowline	<input type="checkbox"/> Pit	Mud Properties			Calculate Alkalinity		<input type="checkbox"/> Check	HYDRAULICS							
Flowline Temperature (°F)													Jet Velocity		105 Ft/Sec	Nozzle Area	
Time Sample Taken				1400									Horsepower		0.4 HP/SQ.In	0.72 Sq In	
Depth (ft)				2789									Impact Force		3.9 lbf/Sq. In	ECD	
Mud Weight (ppg)				9.3									Press Loss at Bit		91psi	9.72 ppg	
Mud Gradient (psi/ft)				0.4836									Press Loss at Bit		9%		
Funnel Viscosity @			°F	33			Recommended Equipment										
Plastic Visc.cp @		75	°F	6			<input type="checkbox"/> Cntrfuge	<input type="checkbox"/> Shaker	<input checked="" type="checkbox"/> Desander								
Yield Point (lb/100ft2)		12			<input type="checkbox"/> Degasser	<input type="checkbox"/> Desilter	<input type="checkbox"/> Other										
Gel Strength (lb/100ft2) 10-sec				5			Recommended Mud Properties										
Gel Strength (lb/100ft ²) 10-min				18			By Authority <input checked="" type="checkbox"/>		Company Representative			<input type="checkbox"/> Drilling Contractor					
Gel Strength (lb/100ft ²) 30-min				x			Mud Wt:				Filtrate:				Viscosity:		
Filtrate API (cm3/30 min)				4.4			LCM:						Excess Lime:				lb/bbl
Filtrate API HTHP (cm3/30 min)				x			RECOMMENDED TOURLY TREATMENT										
Cake Thickness (/32nds)				1													
Solids Content (% by vol)				7.3													
Water Content (% by Vol.)				92.7													
Sand Content (% by vol)				.25													
Bentonite Content (lb/bbl)				x													
pH <input checked="" type="checkbox"/> Strip <input type="checkbox"/> Meter				8.0													
Alkalinity Mud (Pm) cm3 N/50 Acid				x													
Alkalinity, Pf / Mf				0.0/1.4													
Chloride (mg/l)				14800													
Total Hardness as Calcium (mg/l)				580													
Oil Content (% by vol)				0													
LCM (lb/bbl)				0													
Excess Lime (lb/bbl)				0													
				DAILY REMARKS													
Solids Analysis																	
L.G. Solids		%	H.G. Solids		%												
L.G. Solids		ppb	H.G. Solids		ppb												
Corrected Solids			%	Average Sp. Gr.													
CHEMICALS	GEL	LIME	CAUSTIC	SODA ASH	QDF PAC-1	HYDRO VIS-30	HYDRO-THIN	COTTON BULLS	MF-351	CAL NITRATE	SALT	SAPP	SAWD UST	BIO-CLEAR	1771		
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:		\$ -		
TECHNICAL REP:		Carla Restivo			WAREHOUSE		13027 CR 18			NAME:							
CELL PHONE NO.		303-304-4528			ADDRESS:		Ft. Lupton, CO 80621			PHONE:							
ANS. SERVICE:					PHONE:		(303) 857-4171			PHONE:							
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