


<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 REPORT2</div> <div><div>Date11/30/14</div><div>Measured Depth2,726 ft.</div><div>T.V. Depth2726 ft</div></div> <div><div>Spud Date11/28/14</div><div>Present ActivityTD/Circ</div><div>Rig No.2</div></div>																			
Version 3.15																															
OPERATOR:		Omimex				CONTRACTOR:		Excell																							
Operator's Representative:						Contractor's Representative:		Mark																							
Well Name & No.		Field:		Holyoke S.		County, Parish:		Phillilps			State:		CO																		
Moss 7-19-7-44		Legal:		SWNE S19-T7N-R44W		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		225 ft/min									
Bit Type		TC MI5		Size				set @				Ft		23 bbls		5.5 x14				Drill Collar		225 ft/min									
Bit No.				Size				set @				Ft		Ann Volume		63 SPM				CIRCULATING PRESSURE											
Jets (32nd)				Size				set @				Ft		82 bbls		4.49 G/ST				1279 psi											
12		12		Drill Collar		3.5								Hole Volume		283 GPM				BOT. UP		12 min									
12		13				Drill Collar								105 bbls		6.74 BPM				SURF. TO BIT		3.4 min									
13		13						Drill Pipe		3.5				2391		Total Cir Vol		Total GPM		Total BPM		TOT. CIR TIME		38 min							
				H.W. Drill Pipe												255 bbls		283		6.74											
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		126 Ft/Sec		Nozzle Area															
Time Sample Taken						0400						Horsepower		0.7 HP/SQ.In		0.72 Sq In															
Depth (ft)						2726						Impact Force		5.3 lbf/Sq. In		ECD															
Mud Weight (ppg)						8.9						Press Loss at Bit		127psi		9.05 ppg															
Mud Gradient (psi/ft)						0.4628						Press Loss at Bit		10%																	
Funnel Viscosity @				°F		30						Recommended Equipment																			
Plastic Visc.cp @		75		°F		3						Cntrfuge		<input type="checkbox"/>		Shaker		<input checked="" type="checkbox"/>		Desander		<input type="checkbox"/>									
Yield Point (lb/100ft2)						4						Degasser		<input type="checkbox"/>		Desilter		<input type="checkbox"/>		Other		<input type="checkbox"/>									
Gel Strength (lb/100ft2) 10-sec						1						Recommended Mud Properties																			
Gel Strength (lb/100ft²) 10-min						2						By Authority		<input checked="" 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)						4.8						LCM:								Excess Lime:											
Filtrate API HTHP (cm3/30 min)						x						RECOMMENDED TOURLY TREATMENT																			
Cake Thickness (/32nds)						1																									
Solids Content (% by vol)						4.3																									
Water Content (% by Vol.)						95.7																									
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						0.0/1.3																									
Chloride (mg/l)						12,100																									
Total Hardness as Calcium (mg/l)						400																									
Oil Content (% by vol)						x																									
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		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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