


<div>Hydro Resources 13027 County Rd 18 FT Lupton, CO 80621 Phone: 303-857-4171</div>						<div></div>						<div>DRILLING MUD REPORT2</div> <div><div>Date11/12/14</div><div>Measured Depth2,696 ft.</div><div>T.V. Depth2696 ft</div></div> <div><div>Spud Date11/10/14</div><div>Present ActivityTD/Circ</div><div>Rig No.2</div></div>							
OPERATOR: Omimex						CONTRACTOR: Excell													
Operator's Representative:						Contractor's Representative: Mark													
Well Name & No.			Field: Ballyneal			County, Parish:			Phillips			State: CO							
Mailander 4-34-6-45			Legal: NWNW S34-T6N-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 Pipe202 ft/min						
Bit Type	nith MI5	Size		set @		Ft	36 bbls		5.5 x14				Drill Collar202 ft/min						
Bit No.		Size		set @		Ft	Ann Volume		69 SPM				CIRCULATING PRESSURE						
Jets (32nd)		Size		set @		Ft	81 bbls		3.68 G/ST				1293 psi						
		Drill Collar		3.5			Hole Volume		254 GPM				BOT. UP13 min						
		Drill Collar					117 bbls		6.05 BPM				SURF. TO BIT6.0 min						
		Drill Pipe		3.5		2361	Total Cir Vol		Total GPM		Total BPM		TOT. CIR TIME44 min						
		H.W. Drill Pipe					267 bbls		254		6.05								
Sample Fro <input checked="" type="checkbox"/> Flowline <input type="checkbox"/> Pit						Mud Properties		Calculate Alkalinity <input type="checkbox"/> Check		HYDRAULICS									
Flowline Temperature (°F)												Jet Velocity95 Ft/Sec		Nozzle Area					
Time Sample Taken						1300						Horsepower0.3 HP/SQ.In		0.86 Sq In					
Depth (ft)						2696						Impact Force3.7 lbf/Sq. In		ECD					
Mud Weight (ppg)						9.0						Press Loss at Bit72psi		9.1 ppg					
Mud Gradient (psi/ft)						0.468						Press Loss at Bit6%							
Funnel Viscosity @				°F		30		Recommended Equipment											
Plastic Visc.cp @		75		°F		6		<input type="checkbox"/> Cntrfuge		<input type="checkbox"/> Shaker		<input type="checkbox"/> Desander							
Yield Point (lb/100ft2)						2		<input type="checkbox"/> Degasser		<input type="checkbox"/> Desilter		<input type="checkbox"/> Other							
Gel Strength (lb/100ft2) 10-sec						0		Recommended Mud Properties											
Gel Strength (lb/100ft ²) 10-min						0		<input type="checkbox"/> By Authority		<input 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)						4.8		LCM:						Excess Lime:					
Filtrate API HTHP (cm3/30 min)						x		RECOMMENDED TOURLY TREATMENT											
Cake Thickness (/32nds)						1													
Solids Content (% by vol)						5.0													
Water Content (% by Vol.)						95.0													
Sand Content (% by vol)						.25													
Bentonite Content (lb/bbl)						x													
pH <input checked="" type="checkbox"/> Strip <input type="checkbox"/> Meter						8.5													
Alkalinity Mud (Pm) cm3 N/50 Acid						x													
Alkalinity, Pf / Mf						0.0/1.3													
Chloride (mg/l)						13400													
Total Hardness as Calcium (mg/l)						180													
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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