


<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>Date11/15/14Measured Depth2,697 ftT.V. Depth2697 ft</div><div>Spud Date11/13/14Present ActivityTD/CircRig No.2</div></div>							
OPERATOR:Omimex						CONTRACTOR:Excell													
Operator's Representative:						Contractor's Representative:Mark													
Well Name & No.			Field:Ballyneal			County, Parish:Yuma			State:CO										
Fidder Pk Rnch 4-3-5-45			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 Pipe176 ft/min						
Bit Type	TC MI5	Size		set @		Ft	23 bbls		5.5 x14				Drill Collar176 ft/min						
Bit No.		Size		set @		Ft	Ann Volume		60 SPM				CIRCULATING PRESSURE						
Jets (32nd)		Size		set @		Ft	81 bbls		3.68 G/ST				1038 psi						
12	12	Drill Collar Drill Collar Drill Pipe H.W. Drill Pipe		3.5			Hole Volume		221 GPM				BOT. UP15 min						
13	13						104 bbls		5.26 BPM				SURF. TO BIT4.4 min						
13				3.5		2361	Total Cir Vol		Total GPM		Total BPM		TOT. CIR TIME48 min						
							254 bbls		221		5.26								
Sample Fro <input checked="" type="checkbox"/> Flowline <input type="checkbox"/> Pit						Mud Properties			Calculate Alkalinity <input type="checkbox"/> Check			HYDRAULICS							
Flowline Temperature (°F)												Jet Velocity116 Ft/Sec		Nozzle Area					
Time Sample Taken						0845						Horsepower0.5 HP/SQ.In		0.61 Sq In					
Depth (ft)						2697						Impact Force3.9 lbf/Sq. In		ECD					
Mud Weight (ppg)						9.0						Press Loss at Bit109psi		9.17 ppg					
Mud Gradient (psi/ft)						0.468						Press Loss at Bit11%							
Funnel Viscosity @				°F	31			Recommended Equipment											
Plastic Visc.cp @		75		°F	8			<input checked="" type="checkbox"/> Cntrfuge		<input checked="" type="checkbox"/> Shaker		<input type="checkbox"/> Desander							
Yield Point (lb/100ft2)						4			<input type="checkbox"/> Degasser		<input type="checkbox"/> Desilter		<input type="checkbox"/> Other						
Gel Strength (lb/100ft2) 10-sec						3			Recommended Mud Properties										
Gel Strength (lb/100ft ²) 10-min						10			<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)						4.0			LCM:				Excess Lime:		lb/bbl				
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)						tr													
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)						12000													
Total Hardness as Calcium (mg/l)						460													
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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