

<b>Hydro Resources</b> 13027 County Rd 18 FT Lupton, CO 80621 Phone: 303-857-4171 Version 1.25.1		<b>DRILLING MUD REPORT</b> 2 <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:30%;">Date</td> <td style="width:30%;">Measured Depth</td> <td style="width:40%;">T.V. Depth</td> </tr> <tr> <td>07/14/14</td> <td>2,694 ft.</td> <td></td> </tr> <tr> <td>Spud Date</td> <td>Present Activity</td> <td>Rig No.</td> </tr> <tr> <td>07/12/14</td> <td>TD/Circ</td> <td>2</td> </tr> </table>	Date	Measured Depth	T.V. Depth	07/14/14	2,694 ft.		Spud Date	Present Activity	Rig No.	07/12/14	TD/Circ	2
Date	Measured Depth	T.V. Depth												
07/14/14	2,694 ft.													
Spud Date	Present Activity	Rig No.												
07/12/14	TD/Circ	2												

<b>OPERATOR:</b> Augustus		<b>CONTRACTOR:</b> Excell	
<b>Operator's Representative:</b>		<b>Contractor's Representative:</b> Mark	
<b>Well Name &amp; No.</b>	<b>Field:</b>	<b>County, Parish:</b>	<b>State:</b> CO
McCall 43-09	Legal: NESE S9-T1N-R46W		Yuma
<b>BIT DATA</b>		<b>VOLUMES</b>	
Bit Size	6.25	Pit Vol.	
Bit Type		Pipe Capacity	GDFXN
Bit No.		Ann Volume	64 SPM
Jets (32nd)		Hole Volume	235 GPM
13	13	100 bbbls	5.60 BPM
13	12	Total Cir Vol	Total GPM
12		200 bbbls	235
			5.60

<b>Sample Fro</b> <input checked="" type="checkbox"/> Flowline <input type="checkbox"/> Pit		<b>Mud Properties</b>		<b>Calculate Alkalinity</b> <input type="checkbox"/> Check		<b>HYDRAULICS</b>	
Flowline Temperature (°F)		0730		Jet Velocity		124 Ft/Sec	
Time Sample Taken		2694		Horsepower		0.5 HP/SQ.In	
Depth (ft)		8.5		Impact Force		4.2 lbf/Sq. In	
Mud Weight (ppg)		0.442		Press Loss at Bit		116psi	
Mud Gradient (psi/ft)		28		Press Loss at Bit		8%	
Funnel Viscosity @		2		<b>Recommended Equipment</b>			
Plastic Visc.cp @ 75 °F		2		Cntrfuge <input checked="" type="checkbox"/> Shaker <input checked="" type="checkbox"/> Desander <input type="checkbox"/> Degasser <input type="checkbox"/> Desilter <input type="checkbox"/> Other <input type="checkbox"/>			
Yield Point (lb/100ft <sup>2</sup> )		0		<b>Recommended Mud Properties</b>			
Gel Strength (lb/100ft <sup>2</sup> ) 10-sec		0		By Authority of: <input type="checkbox"/> Company Representative <input type="checkbox"/> Drilling Contractor			
Gel Strength (lb/100ft <sup>2</sup> ) 10-min		x		Mud Wt:      Filtrate:      Viscosity:      Excess Lime:      lb/bbl			
Gel Strength (lb/100ft <sup>2</sup> ) 30-min		8.0		<b>RECOMMENDED TOURLY TREATMENT</b>			
Filtrate API (cm3/30 min)		x					
Filtrate API HTHP (cm3/30 min)		1					
Cake Thickness (/32nds)		1.3					
Solids Content (% by vol)		98.7					
Water Content (% by Vol.)		tr					
Sand Content (% by vol)		x					
Bentonite Content (lb/bbl)		7.5					
pH <input checked="" type="checkbox"/> Strip <input type="checkbox"/> Meter		x					
Alkalinity Mud (Pm) cm3 N/50 Acid		0.0/1.5					
Alkalinity, Pf / Mf		13600					
Chloride (mg/l)		520					
Total Hardness as Calcium (mg/l)		0					
Oil Content (% by vol)		0					
LCM (lb/bbl)		0					
Excess Lime (lb/bbl)		0					

<b>DAILY REMARKS</b>															

<b>Solids Analysis</b>															
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	74L	SOAP STICK	SAW DUST	BAR	WAL NUT	DRIS PAC SL	DRIS PAC REG	BEADS	LUBE
Starting Inventory															
Chemicals Received															
Closing Inventory															
Chemicals Used															
Daily Cost															

CHEMICALS	TREAT O CLAY														
Starting Inventory															
Chemicals Received															
Closing Inventory															
Chemicals Used															
Daily Cost															
												<b>Est. Drayage:</b>			
												<b>Est. Taxes:</b> \$ -			
												<b>Est. Daily Cost:</b> \$ -			
												<b>Est. Cumulative Cost:</b> \$ -			

<b>TECHNICAL REP:</b> Carla Restivo	<b>WAREHOUSE:</b> 13027 CR 18	<b>NAME:</b>
<b>CELL PHONE NO.:</b> 303-304-4528	<b>ADDRESS:</b> Ft. Lupton, CO 80621	<b>PHONE:</b>
<b>ANS. SERVICE:</b>	<b>PHONE:</b> (303) 857-4171	<b>PHONE:</b>

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