

Hydro Resources 13027 County Rd 18 FT Lupton, CO 80621 Phone: 303-857-4171 Version 1.25.1		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td colspan="3" style="text-align: center;">DRILLING MUD REPORT</td> <td style="text-align: center;">2</td> </tr> <tr> <td style="width:33%;">Date</td> <td style="width:33%;">Measured Depth</td> <td colspan="2">T.V. Depth</td> </tr> <tr> <td style="text-align: center;">10/13/14</td> <td style="text-align: center;">2,900 ft.</td> <td colspan="2" style="text-align: center;">2900 ft</td> </tr> <tr> <td>Spud Date</td> <td>Present Activity</td> <td colspan="2">Rig No.</td> </tr> <tr> <td style="text-align: center;">10/11/14</td> <td style="text-align: center;">Drilling</td> <td colspan="2" style="text-align: center;">2</td> </tr> </table>	DRILLING MUD REPORT			2	Date	Measured Depth	T.V. Depth		10/13/14	2,900 ft.	2900 ft		Spud Date	Present Activity	Rig No.		10/11/14	Drilling	2	
DRILLING MUD REPORT			2																			
Date	Measured Depth	T.V. Depth																				
10/13/14	2,900 ft.	2900 ft																				
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OPERATOR: Augustus		CONTRACTOR: Excell	
Operator's Representative:		Contractor's Representative: Mark Zion	
Well Name & No.	Field:	County, Parish:	State:
Franson 42-33	Buffalo Grass	Yuma	CO
Legal:	SENE S33-T4W-R47W	VOLUMES	
BIT DATA		PUMP INFORMATION	
CASING & DRILLING ASSEMBLY		HYDRAULICS	
Bit Size	6.25	Pit Vol.	ANNULAR VELOCITY
Bit Type	TC Mi5	Pipe Capacity	Drill Pipe
Bit No.		22 bbls	211 ft/min
Jets (32nd)		Ann Volume	Drill Collar
12	12	86 bbls	211 ft/min
13	13	Hole Volume	CIRCULATING PRESSURE
13		265 GPM	1391 psi
		Total Cir Vol	BOT. UP
		208 bbls	14 min
		265	SURF. TO BIT
		6.31	3.5 min
		6.31	TOT. CIR TIME
			33 min

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	139 Ft/Sec	Nozzle Area
Time Sample Taken	1115		Horsepower	0.8 HP/SQ.In	0.61 Sq In
Depth (ft)	2900		Impact Force	5.3 lbf/Sq. In	ECD
Mud Weight (ppg)	8.6		Press Loss at Bit	149psi	8.65 ppg
Mud Gradient (psi/ft)	0.4472		Press Loss at Bit	11%	
Funnel Viscosity @	28	Recommended Equipment			
Plastic Visc.cp @ 75 °F	2	Cntrfuge <input checked="" type="checkbox"/>	Shaker <input checked="" type="checkbox"/>	Desander <input type="checkbox"/>	
Yield Point (lb/100ft2)	1	Degasser <input type="checkbox"/>	Desilter <input type="checkbox"/>	Other <input type="checkbox"/>	
Gel Strength (lb/100ft2) 10-sec	0	Recommended Mud Properties			
Gel Strength (lb/100ft2) 10-min	0	By Authority of: <input 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)	9.6	LCM:		Excess Lime:	lb/bbl
Filtrate API HTHP (cm3/30 min)	x	RECOMMENDED TOURLY TREATMENT			
Cake Thickness (/32nds)	1				
Solids Content (% by vol)	2.0				
Water Content (% by Vol.)	98.0				
Sand Content (% by vol)	tr				
Bentonite Content (lb/bbl)	x				
pH <input checked="" type="checkbox"/> Strip <input type="checkbox"/> Meter	7.5				
Alkalinity Mud (Pm) cm3 N/50 Acid	x				
Alkalinity, Pf / Mf	0.0/80				
Chloride (mg/l)	13500				
Total Hardness as Calcium (mg/l)	600				
Oil Content (% by vol)	0				
LCM (lb/bbl)	0				
Excess Lime (lb/bbl)	0				

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	DYNA PAC	HYDRO VIS 30	74L	SOAP STICK	SAW DUST	BAR	110 RD	DRIS PAC SL	DRIS PAC REG	NU WELL
Starting Inventory														
Chemicals Received														
Closing Inventory														
Chemicals Used														
Daily Cost														

CHEMICALS														
Starting Inventory														
Chemicals Received														
Closing Inventory														
Chemicals Used														
Daily Cost														
												Est. Drayage:		
												Est. Taxes: \$		
												Est. 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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