Hydro Resources
13027 County Rd 18
FT Lupton, CO 80621
Phone: 303-857-4171

Version 1.25.1

Hydro

DRILLING MUD REPORT		2
Date 08/11/14	Measured Depth 2,698 ft.	T.V. Depth
Spud Date	Present Activity TD	Rig No. 2

OPERATOR:	augustus energy	CONTRACTOR:	excel
Operator's Representative:		Contractor's Representative:	mark
Well Name & No.	Field:	County, Parish:	yuma / State: co
McCall 42-09	Legal: 42-09		

BIT DATA		CASING & DRILLING ASSEMBLY				
Bit Size	6.25	Size		set @		Ft
Bit Type	MI 516	Size		set @		Ft
Bit No.	1	Size		set @		Ft
Jets (32nd)		Size		set @		Ft
		Drill Collar				
		Drill Collar				
		Drill Pipe				2698
		H.W. Drill Pipe				

VOLUMES	PUMP INFORMATION		HYDRAULICS
Pit Vol.	PUMP #1	PUMP #2	ANNULAR VELOCITY
Pipe Capacity			Drill Pipe
0 bbls			Drill Collar
Ann Volume	SPM		CIRCULATING PRESSURE
113 bbls	G/ST		
Hole Volume	GPM		BOT. UP
113 bbls	BPM		SURF. TO BIT
Total Cir Vol	Total GPM	Total BPM	TOT. CIR TIME
113 bbls			

Sample Fro ☑ Flowline ☐ Pit	Mud Properties
Flowline Temperature (°F)	X
Time Sample Taken	3am
Depth (ft)	2698
Mud Weight (ppg)	8.6
Mud Gradient (psi/ft)	0.4472
Funnel Viscosity @ °F	28
Plastic Visc.cp @ 75 °F	4
Yield Point (lb/100ft2)	2
Gel Strength (lb/100ft2) 10-sec	0
Gel Strength (lb/100ft^2) 10-min	0
Gel Strength (lb/100ft^2) 30-min	X
Filtrate API (cm3/30 min)	12
Filtrate API HTHP (cm3/30 min)	X
Cake Thickness (/32nds)	1
Solids Content (% by vol)	2.0
Water Content (% by Vol.)	98
Sand Content (% by vol)	X
Bentonite Content (lb/bbl)	X
pH ☑ Strip ☐ Meter	8
Alkalinity Mud (Pm) cm3 N/50 Acid	X
Alkalinity, Pf / Mf	0/1.6
Chloride (mg/l)	13000
Total Hardness as Calcium (mg/l)	640
Oil Content (% by vol)	X
LCM (lb/bbl)	X
Excess Lime (lb/bbl)	X

Solids Analysis

L.G. Solids		%	H.G. Solids		%
L.G. Solids		ppb	H.G. Solids		ppb
Corrected Solids		%	Average Sp. Gr.		

Calculate Alkalinity ☐ Check

HYDRAULICS		
Jet Velocity		Nozzle Area
Horsepower		
Impact Force		
Press Loss at Bit		
Press Loss at Bit		

Recommended Equipment

Cntrfuge ☐ Shaker ☐ Desander ☐
Degasser ☐ Desilter ☐ Other ☐

Recommended Mud Properties

By Authority of: ☐ Company Representative ☐ Drilling Contractor

Mud Wt:	8.6	Filtrate:	12	Viscosity:	28	
LCM:				Excess Lime:		lb/bbl

RECOMMENDED TOURLY TREATMENT

DAILY REMARKS

CHEMICALS															
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:	$ 50.00
Est. Cumulative Cost:	$ 100.00

TECHNICAL REP:	justin haynes	WAREHOUSE	13027 CR 18	NAME:	
CELL PHONE NO.	3037204775	ADDRESS:	Ft. Lupton, CO 80621	PHONE:	
ANS. SERVICE:		PHONE:	(303) 857-4171	PHONE:	

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