


Hydro Resources 13027 County Rd 18 FT Lupton, CO 80621 Phone: 303-857-4171						DRILLING MUD REPORT 2									
Version 1.25.1				Date 07/14/14		Measured Depth 2,694 ft.		T.V. Depth							
				Spud Date 07/12/14		Present Activity TD/Circ		Rig No. 2							
OPERATOR:		Augustus				CONTRACTOR:		Excell							
Operator's Representative:						Contractor's Representative:		Mark							
Well Name & No.		Field:				County, Parish:		Yuma State: CO							
McCall 43-09		Legal:		NESE S9-T1N-R46W		VOLUMES		PUMP INFORMATION							
BIT DATA		CASING & DRILLING ASSEMBLY				Pit Vol.		PUMP #1 PUMP #2							
Bit Size	6.25	Size	7	set @	406	Ft	Pipe Capacity	GDFXN							
Bit Type		Size		set @		Ft	21 bbls	5.5 x14							
Bit No.		Size		set @		Ft	Ann Volume	64 SPM							
Jets (32nd)		Size		set @		Ft	79 bbls	3.67 G/ST							
13	13						Hole Volume	235 GPM							
13	12						100 bbls	5.60 BPM							
12							Total Cir Vol	Total GPM	Total BPM						
		H.W. Drill Pipe	3.5	2.8	2694		200 bbls	235	5.60						
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 124 Ft/Sec Nozzle Area							
Time Sample Taken		0730						Horsepower 0.5 HP/SQ.in 0.61 Sq In							
Depth (ft)		2694						Impact Force 4.2 lbf/Sq. In ECD							
Mud Weight (ppg)		8.5						Press Loss at Bit 116psi 8.58 ppg							
Mud Gradient (psi/ft)		0.442						Press Loss at Bit 8%							
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)		2				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)		8.0				LCM:		Excess Lime: lb/bbl							
Filtrate API HTHP (cm3/30 min)		x						RECOMMENDED TOURLY TREATMENT							
Cake Thickness (/32nds)		1													
Solids Content (% by vol)		1.3													
Water Content (% by Vol.)		98.7													
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		0.0/1.5													
Chloride (mg/l)		13600													
Total Hardness as Calcium (mg/l)		520													
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	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															
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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