


Hydro Resources 13027 County Rd 18 FT Lupton, CO 80621 Phone: 303-857-4171 Version 1.25.1								DRILLING MUD REPORT				2																			
Date 08/03/14				Measured Depth 2,477 ft.				T.V. Depth 2477 ft																							
Spud Date 08/01/14				Present Activity TD/Circ				Rig No. 2																							
OPERATOR:		Augustus				CONTRACTOR:		Excell																							
Operator's Representative:						Contractor's Representative:		Mark																							
Well Name & No.		Field:		Wildcat		County, Parish:		Yuma		State:		CO																			
Lippert 24-01		Legal:		SESW S1-T1S-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 @	458	Ft	Pipe Capacity	GD200FXN			Drill Pipe	178	ft/min																		
Bit Type	TC MI5	Size		set @		Ft	21 bbls	5.5 x14			Drill Collar	178	ft/min																		
Bit No.		Size		set @		Ft	Ann Volume	61 SPM			CIRCULATING PRESSURE																				
Jets (32nd)		Size		set @		Ft	73 bbls	3.67 G/ST			1112 psi																				
13	13			3.5	2.8	335	Hole Volume	224 GPM			BOT. UP	14	min																		
13	12						94 bbls	5.33 BPM			SURF. TO BIT	3.9	min																		
12				3.5	3	2142	Total Cir Vol	Total GPM	Total BPM		TOT. CIR TIME	36	min																		
							194 bbls	224	5.33																						
Sample Fro		<input checked="" type="checkbox"/> Flowline <input type="checkbox"/> Pit		Mud Properties		Calculate Alkalinity		<input type="checkbox"/> Check		HYDRAULICS																					
Flowline Temperature (°F)				0100						Jet Velocity		118	Ft/Sec	Nozzle Area																	
Time Sample Taken				2477						Horsepower		0.5	HP/SQ.In	0.61	Sq In																
Depth (ft)				8.7						Impact Force		3.9	lb/Sq. In	ECD																	
Mud Weight (ppg)				0.4524						Press Loss at Bit		108	psi	8.74		ppg															
Mud Gradient (psi/ft)				27						Press Loss at Bit		10%																			
Funnel Viscosity @				2						Recommended Equipment																					
Plastic Visc.cp @		75		°F		1				Cntrfuge <input checked="" type="checkbox"/> Shaker <input checked="" type="checkbox"/> Desander <input type="checkbox"/>																					
Yield Point (lb/100ft2)				0						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						Excess Lime: lb/bbl																					
Filtrate API HTHP (cm3/30 min)				x						RECOMMENDED TOURLY TREATMENT																					
Cake Thickness (/32nds)				1																											
Solids Content (% by vol)				2.8																											
Water Content (% by Vol.)				97.2																											
Sand Content (% by vol)				.25																											
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				0.0/2.3																											
Chloride (mg/l)				12600																											
Total Hardness as Calcium (mg/l)				1040																											
Oil Content (% by vol)				0																											
LCM (lb/bbl)				0																											
Excess Lime (lb/bbl)				0																											
														DAILY REMARKS																	
Solids Analysis																															
L.G. Solids				% ppb		H.G. Solids				% ppb																					
L.G. Solids						H.G. Solids																									
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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