

Hydro Resources 13027 County Rd 18 FT Lupton, CO 80621 Phone: 303-857-4171 Version 3.15						DRILLING MUD REPORT 2	
Date		Measured Depth		T.V. Depth			
12/09/14		2,702 ft.		2702 ft			
Spud Date		Present Activity		Rig No.			
12/07/14		TD/Circ		2			
OPERATOR: Omimex			CONTRACTOR: Excell				
Operator's Representative:			Contractor's Representative: Mark				
Well Name & No.		Field:	County, Parish:		State:		
Sagehorn 14-34-6-45		Ballyneal	Phillips		CO		
Legal:		SESW S34-T6N-R45W	VOLUMES	PUMP INFORMATION			
BIT DATA		CASING & DRILLING ASSEMBLY		HYDRAULICS			
Pit Vol.		PUMP #1	PUMP #2	ANNULAR VELOCITY			
Bit Size	6.25	Size	7	set @	Ft		
Pipe Capacity	GD FXN200	Drill Pipe	221 ft/min				
Bit Type	TC MI5	Size		set @	Ft		
23 bbls	5.5 x14	Drill Collar	221 ft/min				
Bit No.		Size		set @	Ft		
Ann Volume	62 SPM	CIRCULATING PRESSURE					
81 bbls	4.48 G/ST	1218 psi					
Jets (32nd)	Size	set @	Ft				
Hole Volume	278 GPM	BOT. UP	12 min				
12	12	Drill Collar	3.5				
104 bbls	6.62 BPM	SURF. TO BIT	3.5 min				
13	13	Drill Collar					
Total Cir Vol	Total GPM	Total BPM	TOT. CIR TIME	38 min			
254 bbls	278	6.62					
13		H.W. Drill Pipe					
Sample Fro		<input checked="" type="checkbox"/> Flowline	<input type="checkbox"/> Pit	Mud Properties			
Flowline Temperature (°F)				Calculate Alkalinity	<input type="checkbox"/> Check		
Time Sample Taken		0430		HYDRAULICS			
Depth (ft)		2702		Jet Velocity	146 Ft/Sec		
Mud Weight (ppg)		8.8		Horsepower	0.9 HP/SQ.In		
Mud Gradient (psi/ft)		0.4576		Impact Force	6 lbf/Sq. In		
Funnel Viscosity @		°F	29		Press Loss at Bit		
Plastic Visc.cp @		75	°F	168psi			
Yield Point (lb/100ft2)		3		Press Loss at Bit	14%		
Gel Strength (lb/100ft2) 10-sec		0		Recommended Equipment			
Gel Strength (lb/100ft2) 10-min		1		<input checked="" type="checkbox"/> Cntrfuge	<input checked="" type="checkbox"/> Shaker		
Gel Strength (lb/100ft2) 30-min		x		<input type="checkbox"/> Degasser	<input type="checkbox"/> Desilter		
Filtrate API (cm3/30 min)		4.8		<input type="checkbox"/> Desander	<input type="checkbox"/> Other		
Filtrate API HTHP (cm3/30 min)		x		Recommended Mud Properties			
Cake Thickness (/32nds)		1		By Authority	<input checked="" type="checkbox"/>		
Solids Content (% by vol)		3.5		Company Representative	<input type="checkbox"/>		
Water Content (% by Vol.)		96.5		Drilling Contractor	<input type="checkbox"/>		
Sand Content (% by vol)		tr		Mud Wt:	Filtrate:		
Bentonite Content (lb/bbl)		x		Viscosity:			
pH <input checked="" type="checkbox"/> Strip <input type="checkbox"/> Meter		8.0		Excess Lime:	lb/bbl		
Alkalinity Mud (Pm) cm3 N/50 Acid		x		RECOMMENDED TOURLY TREATMENT			
Alkalinity, Pf / Mf		.0/1.5					
Chloride (mg/l)		12200					
Total Hardness as Calcium (mg/l)		360					
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	HYDRO-THIN	COTTON BULLS	MF-351	CAL NITRATE	SALT		
SAPP	SAWD UST	BIO-CLEAR	1771				
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			
CELL PHONE NO.	303-304-4528		ADDRESS:	Ft. Lupton, CO 80621			
ANS. SERVICE:			PHONE:	(303) 857-4171			
NAME:			PHONE:				
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