

Hydro Resources 13027 County Rd 18 FT Lupton, CO 80621 Phone: 303-857-4171 Version 1.25.1		DRILLING MUD REPORT 2 Date: 07/29/14 Measured Depth: 2,507 ft. T.V. Depth: Spud Date: 07/27/14 Present Activity: TD/circ Rig No.: 2
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OPERATOR: Augustus	CONTRACTOR: Excell
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Operator's Representative:	Contractor's Representative: Mark
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Well Name & No. Galvin 12-18	Field: Legal: S18-T1S-R44W	County, Parish: Yuma	State: CO
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BIT DATA		CASING & DRILLING ASSEMBLY				VOLUMES	PUMP INFORMATION		HYDRAULICS	
Bit Size	Size	set @	489 Ft	Pipe Capacity	PUMP #1	PUMP #2	ANNULAR VELOCITY			
6.25	7			22 bbbls	GD200FXN		Drill Pipe	178 ft/min		
TC MI5				Ann Volume	5.5 x14		Drill Collar	178 ft/min		
2				73 bbbls	61 SPM		CIRCULATING PRESSURE			
Jets (32nd)				Hole Volume	3.67 G/ST		1170 psi			
13	13	Drill Collar	3.5	2.8	335		BOT. UP	14 min		
13	12	Drill Collar			95 bbbls	5.33 BPM	SURF. TO BIT	4.1 min		
12		Drill Pipe	3.5	3	2172	Total GPM	TOT. CIR TIME	37 min		
		H.W. Drill Pipe			195 bbbls	224				

Sample Fro	Flowline	Pit	Mud Properties	Calculate Alkalinity	Check	HYDRAULICS	
Flowline Temperature (°F)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	X			Jet Velocity	118 Ft/Sec
Time Sample Taken			0200			Horsepower	0.5 HP/SQ.In
Depth (ft)			2507			Impact Force	3.8 lbf/Sq. In
Mud Weight (ppg)			8.6			Press Loss at Bit	107psi
Mud Gradient (psi/ft)			0.4472			Press Loss at Bit	9%
Funnel Viscosity @		°F	29	Recommended Equipment			
Plastic Visc.co @	75	°F	2	<input type="checkbox"/> Cntrfuge <input type="checkbox"/> Shaker <input type="checkbox"/> Desander			
Yield Point (lb/100ft2)			1	<input type="checkbox"/> Degasser <input type="checkbox"/> Desilter <input type="checkbox"/> Other			
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)			2.0				
Water Content (% by Vol.)			98.0				
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			0/2.5				
Chloride (mg/l)			14500				
Total Hardness as Calcium (mg/l)			1360				
Oil Content (% by vol)			0				
LCM (lb/bbl)			0				
Excess Lime (lb/bbl)			0				

DAILY REMARKS

Solids Analysis	Water loss up a bit at TD, ph down. Definite odor to mud -- starch going bad, recommend biocide.
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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