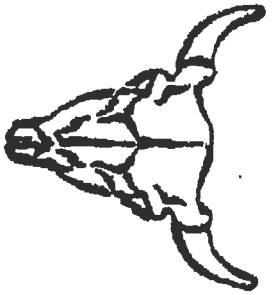


Hydro Resources 13027 County Rd 18 FT Lupton, CO 80621 Phone: 303-857-4171								DRILLING MUD REPORT				2			
Version 1.25.1								Date	Measured Depth		T.V. Depth				
								07/09/14	2,517 ft.						
								Spud Date	Present Activity		Rlg No.				
								07/08/14	Drilling		2				
OPERATOR:				Augustus Energy				CONTRACTOR:				Excell Services			
Operator's Representative:				Contractor's Representative:				Mark Zion							
Well Name & No.				Field:				County, Parish:				Yuma State: CO			
Lippert 14-05 1s44w				Legal: FSL350,NENESE,Sec21-T1s				VOLUMES				PUMP INFORMATION			
BIT DATA				CASING & DRILLING ASSEMBLY				Pit Vol.				ANNULAR VELOCITY			
Bit Size 6.25 Size 7.25 set @ 436 Ft				Pipe Capacity 200FXN				Drill Pipe							
Bit Type U416S Size set @ Ft				Ann Volume 5.25 x14				Drill Collar							
Bit No. 2 Size set @ Ft				Hole Volume 63 SPM				CIRCULATING PRESSURE							
Jets (32nd) Size set @ Ft				Total Cir Vol 4.56 G/ST				TOT. CIR TIME							
13 13 Drill Collar 5.78 2.5 337				Total BPM 287											
12 12 Drill Collar															
12 H.W. Drill Pipe 3.5 2.74 2180															
Sample Fro Flowline Pit				Mud Properties				Calculate Alkalinity Check				HYDRAULICS			
Flowline Temperature (°F)				82				Jet Velocity 156 F/Sec				Nozzle Area			
Time Sample Taken				9:30am				Horsepower 1 HP/SQ.In				0.591 Sq In			
Depth (ft)				2517				Impact Force 6.5 lb/Sq. In							
Mud Weight (ppg)				8.6				Press Loss at Bit 187psi							
Mud Gradient (psi/ft)				0.4472				Press Loss at Bit 13%							
Funnel Viscosity @ °F				28				Recommended Equipment							
Plastic Visc.cp @ 75 °F				2				Centrifuge Shaker Desander							
Yield Point (lb/100ft2)				3				Degasser Deslimer Other							
Gel Strength (lb/100ft2) 10-sec				0				Recommended Mud Properties							
Gel Strength (lb/100ft2) 10-min				0				By Authority of Company Representative Drilling Contractor							
Gel Strength (lb/100ft2) 30-min				x				Mud Wt: 8.6-9.2 Filtrate: 6-8cc Viscosity: 28-32							
Filtrate API (cm3/30 min)				7.2				LCM: Calcium Excess Lime: lb/bbl							
Filtrate API HTHP (cm3/30 min)				x				RECOMMENDED TOURLY TREATMENT							
Cake Thickness (/32nds)				1				Mud looks good for TD.							
Solids Content (% by vol)				2.0											
Water Content (% by Vol.)				98											
Sand Content (% by vol)				.25											
Bentonite Content (lb/bbl)				x											
pH Strip Meter				8											
Alkalinity Mud (Pm) cm3 N/50 Acid				x											
Alkalinity, P / Mf				0.26											
Chloride (mg/l)				12800											
Total Hardness as Calcium (mg/l)				1120											
Oil Content (% by vol)				0											
LCM (lb/bbl)				x											
Excess Lime (lb/bbl)				x											
								If you have any questions please give me a call @ (970)302-3793							
								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	STARCH	CAL NITRATE	BIO CLEAR	TOTAL UM CLOP	HYDRO VIS 123	HYDRO THIN 741	MAGNA FLOC 351	ALCOM R 24		
Starting Inventory															
Chemicals Received															
Closing Inventory															
Chemicals Used															
Daily Cost															
CHEMICALS															
Starting Inventory															
Chemicals Received															
Closing Inventory															
Chemicals Used															
Daily Cost															
TECHNICAL REP.				JORDY OGDEN				WAREHOUSE				5702 / LH 18		NAME:	



**Bison Oil Well Cementing
Two Cement Long String**

Customer
Well Name

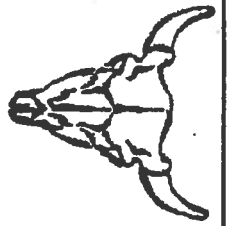
Augustus Energy Resources
Lippert 14-05 1544W

Date
07/09/14
INVOICE #
12167
LOCATION
Yuma
FOREMAN
Aaron Carrasco
Treatment Report

DESCRIPTION OF JOB EVENTS

Safety Meeting	725pm	Displace 1		Displace 2		Displace 3		Displace 4		Displace 5	
	545pm	BLS	Time	PSI	BLS	Time	PSI	BLS	Time	PSI	PSI
MIRU	733pm	0	834pm	20	0			0			
CIRCULATE Drop Plug		10	840pm	20	10			10			
		20	844pm	130	20			20			
		30	849pm	320	30			30			
		40	855pm	960	40			40			
M & P		50			50			50			
Time		60			60			60			
758pm	115	70			70			70			
TAIL	75	80			80			80			
		90			90			90			
		100			100			100			
		110			110			110			
		120			120			120			
		130			130			130			
Lead mixed bbls	34.5	140			140			140			
Lead % Excess		150			150			150			
Lead Sacks	115										
Notes:											
Tail mixed bbls	11	(57)JTS 4.5", 10.5# CASING MEAS (2516), SET @ (2522), PBTD @ (2477) RIG TD @ (2545)									
Tail % Excess	0%	CMT W/ (115)SX LEAD, 50/50 POZ, 12% GEL, 2% CACL, YLD 2.21, 12PPG									
Tail Sacks	75	CMT W/ (75)SX TAIL, 50/50 POZ, 3% CACL, .25% FLO-CEL, YLD 1.33, 13.8PPG									
Total Sacks	190	CIRC (1)BLS TO PIT									
bbl Returns	1										

X August 28th AFK X 7-9-14
Work Performed Title Date



Bison Oil Well Cementing
Single Cement Surface Pipe

Customer
Well Name

Augustus Energy Resources
Lippert 14-05 1544W

INVOICE #
LOCATION
FOREMAN
Date

12165
Yuma
Aaron Carrasco
07/07/14

Treatment Report

DESCRIPTION OF JOB EVENTS

Safety Meeting	720pm	Displace 1			Displace 2			Displace 3			Displace 4			Displace 5		
	505pm	BBLs	Time	PSI	BBLs	Time	PSI	BBLs	Time	PSI	BBLs	Time	PSI	BBLs	Time	PSI
CIRCULATE	724pm	0	751pm	70	0			0			0			0		
	Drop Plug 0751pm	10	757pm	160	10			10			10			10		
		16.7	830pm	250	20			20			20			20		
		30			30			30			30			30		
		40			40			40			40			40		
		M & P	50			50			50			50			50	
Time	Sacks	60			60			60			60			60		
0730pm	280	70			70			70			70			70		
		80			80			80			80			80		
		90			90			90			90			90		
		100			100			100			100			100		
		110			110			110			110			110		
% Excess	163%	120			120			120			120			120		
Mixed bbls	28	130			130			130			130			130		
Total Sacks	280	140			140			140			140			140		
bbl Returns	16	150			150			150			150			150		
Water Temp	65															
Notes:																

Notes:

TD @ (441) FT

RAN (10) JTS, 7", 20#, MEAS (430), SET @ (436), PBTD @ (397)

CMT W/ (280) SX 50/50 POZ, 3% CACL, 0.25% FLO-CEL

15.2 LBS/GAL, 1.07 YLD, 4.20 GAL/SX MIX WATER

DISPLACED= (16.7) BBLs

BBLs TO PIT=(16)

X *[Signature]* *[Signature]*

X Title

X Date 7-7-14