

HALLIBURTON

iCem[®] Service

EXTRACTION OIL & GAS

Date: Friday, June 10, 2016

BRENIMAN #2 SURFACE

Job Date: Saturday, June 04, 2016

Sincerely,

Julia Nichols

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1.0 Cementing Job Summary

1.1 Executive Summary

Halliburton appreciates the opportunity to perform the cementing services on the **Breniman #2** cement **Surface** casing job. A pre-job safety meeting was held before the job where details of the job were discussed, potential safety hazards were reviewed, and environmental compliance procedures were outlined.

Approximately 10 barrels of cement were returned to surface.

Halliburton maintains a continuous quality improvement process and appreciates any comments or suggestions that you may have. Halliburton again thanks you for the opportunity to perform service work on this well. We hope to be your solutions provider for future projects.

Respectfully,

Halliburton [Ft. Lupton]

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Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 369404	Ship To #: 3615695	Quote #:	Sales Order #: 0903334870
Customer: EXTRACTION OIL & GAS -		Customer Rep: JOSE	
Well Name: BRENIMAN	Well #: 2	API/UWI #: 05-123-40424-00	
Field: WATTENBERG	City (SAP): WINDSOR	County/Parish: WELD	State: COLORADO
Legal Description: NE NW-16-6N-67W-483FNL-2127FWL			
Contractor: PATTERSON-UTI ENERGY		Rig/Platform Name/Num: PATTERSON 346	
Job BOM: 7521			
Well Type: HORIZONTAL OIL			
Sales Person: HALAMERICA\HB71271		Srcv Supervisor: Joseph Fantasia	
Job			

Formation Name			
Formation Depth (MD)	Top	Bottom	
Form Type	BHST		
Job depth MD	1538ft	Job Depth TVD	1538

Well Data										
Description	New / Used	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
Casing		9.625	8.921	36			0	1538	0	1538
Open Hole Section			13.5				0	1540	0	1540

Fluid Data

Stage/Plug #: 1										
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft ³ /sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal	
1	Fresh Water	Fresh Water	10	bbl	8.33			6		
2	Fresh Water	Fresh Water W/ Red Dye	10	bbl	8.33			6		
3	SwiftCem	SWIFTCEM (TM) SYSTEM	550	sack	13.5	1.74		8	9.17	
		9.17 Gal FRESH WATER								
4	Mud Displacement	Mud Displacement	115	bbl	8.5			8		

last updated on 6/4/2016 10:26:39 PM

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Cementing Job Summary

Cement Left in Pipe	Amount	Reason	Shoe Joint
	42 ft		
Comment APPROX 10 BBLS CEMENT TO SURFACE.			

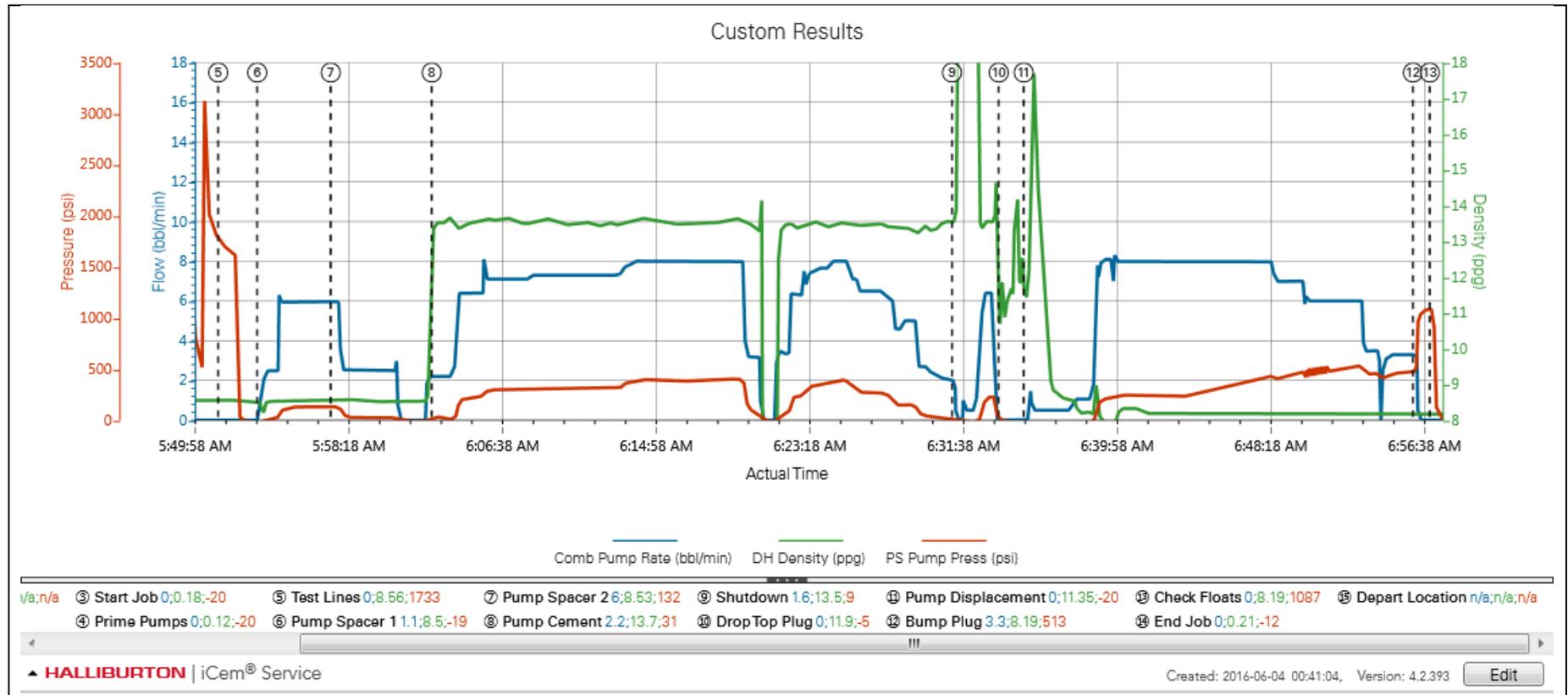
2.0 Real-Time Job Summary

2.1 Job Event Log

Type	Seq. No.	Activity	Graph Label	Date	Time	Source	Combined Pump Rate (bbl/min)	Downhole Density (ppg)	Pass-Side Pump Pressure (psi)	Comments
Event	1	Arrive at Location from Service Center	Arrive at Location from Service Center	6/4/2016	01:30:00	USER				ARRIVE AT LOCATION AT 0130. RIG TRIPPING DRILL PIPE TO RUN CASING. HELD SITE ASSESSMENT AND PRE RIG UP SAFETY MEETING WITH CREW PRIOR TO RIGGING UP EQUIPMENT.
Event	2	Other	Other	6/4/2016	02:00:00	USER				WATER TEST --- TEMP 65F -- PH 7 --- CHLORIDES 0
Event	3	Start Job	Start Job	6/4/2016	05:42:37	COM6	0.00	0.18	-20.00	HELD PRE JOB SAFETY MEETING WITH ALL PRESENT PERSONNEL PRIOR TO STARTING JOB.
Event	4	Prime Pumps	Prime Pumps	6/4/2016	05:43:43	COM6	0.00	0.12	-20.00	PRIME PUMP TRUCK.
Event	5	Test Lines	Test Lines	6/4/2016	05:51:23	COM6	0.00	8.56	1733.00	PRESSURE TEST LINES TO 1980 PSI.
Event	6	Pump Spacer 1	Pump Spacer 1	6/4/2016	05:53:30	COM6	1.10	8.50	-19.00	PUMP 10 BBLS FRESH WATER.
Event	7	Pump Spacer 2	Pump Spacer 2	6/4/2016	05:57:29	COM6	6.00	8.53	132.00	PUMP 10 BBLS FRESH WATER WITH 2 LBS RED DYE ADDED.
Event	8	Pump Cement	Pump Cement	6/4/2016	06:02:58	COM6	2.20	13.70	31.00	PUMP 170 BBLS (550 SKS) SWIFCEM MIXED AT 13.5 PPG. DENSITY VERIFIED BY SCALE.
Event	9	Shutdown	Shutdown	6/4/2016	06:31:11	COM6	1.60	13.50	9.00	
Event	10	Drop Top Plug	Drop Top Plug	6/4/2016	06:33:43	USER	0.00	11.90	-5.00	TOP PLUG PRELOADED AT DROPPED DURING SHUTDOWN. CUSTOMER WITNESSED
Event	11	Pump Displacement	Pump Displacement	6/4/2016	06:35:04	COM6	0.00	11.35	-20.00	DISPLACE USING 115 BBLS MUD. GOOD RETURNS THROUGHOUT. APPROX 10 BBLS CEMENT TO SURFACE.
Event	12	Bump Plug	Bump Plug	6/4/2016	06:56:11	COM6	3.30	8.19	513.00	PLUG LANDED AT 513 PSI. PRESSURE BROUGHT TO 1085 PSI
Event	13	Check Floats	Check Floats	6/4/2016	06:57:05	USER	0.00	8.19	1087.00	FLOATS HELD. 1/2 BBL BACK TO THE TRUCK
Event	14	End Job	End Job	6/4/2016	07:08:44	COM6	0.00	0.21	-12.00	HELD PRE RIG DOWN SAFETY MEETING PRIOR TO RIGGING DOWN EQUIPMENT.
Event	15	Depart Location	Depart Location	6/4/2016	07:30:00	USER				JOURNEY MGMNT PRIOR TO LEAVING.

3.0 Attachments

3.1 Custom Results: Job Chart with Events



3.2 Custom Results: Job Chart without Events

Custom Results

