

# HALLIBURTON

iCem<sup>®</sup> 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

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### 1.1 Executive Summary

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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]**

HALLIBURTON

*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						
<b>Job</b>										
Formation Name										
Formation Depth (MD)		Top		Bottom						
Form Type				BHST						
Job depth MD		1538ft		Job Depth TVD		1538				
<b>Well Data</b>										
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
<b>Fluid Data</b>										
Stage/Plug #: 1										
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal	
1	Fresh Water	Fresh Water	10	bbl	8.33			6		
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal	
2	Fresh Water	Fresh Water W/ Red Dye	10	bbl	8.33			6		
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal	
3	SwiftCem	SWIFTCM (TM) SYSTEM	550	sack	13.5	1.74		8	9.17	
9.17 Gal		FRESH WATER								
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal	
4	Mud Displacement	Mud Displacement	115	bbl	8.5			8		

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

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(v. 4.2.393)

Created: Friday, June 10, 2016

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## *Cementing Job Summary*

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

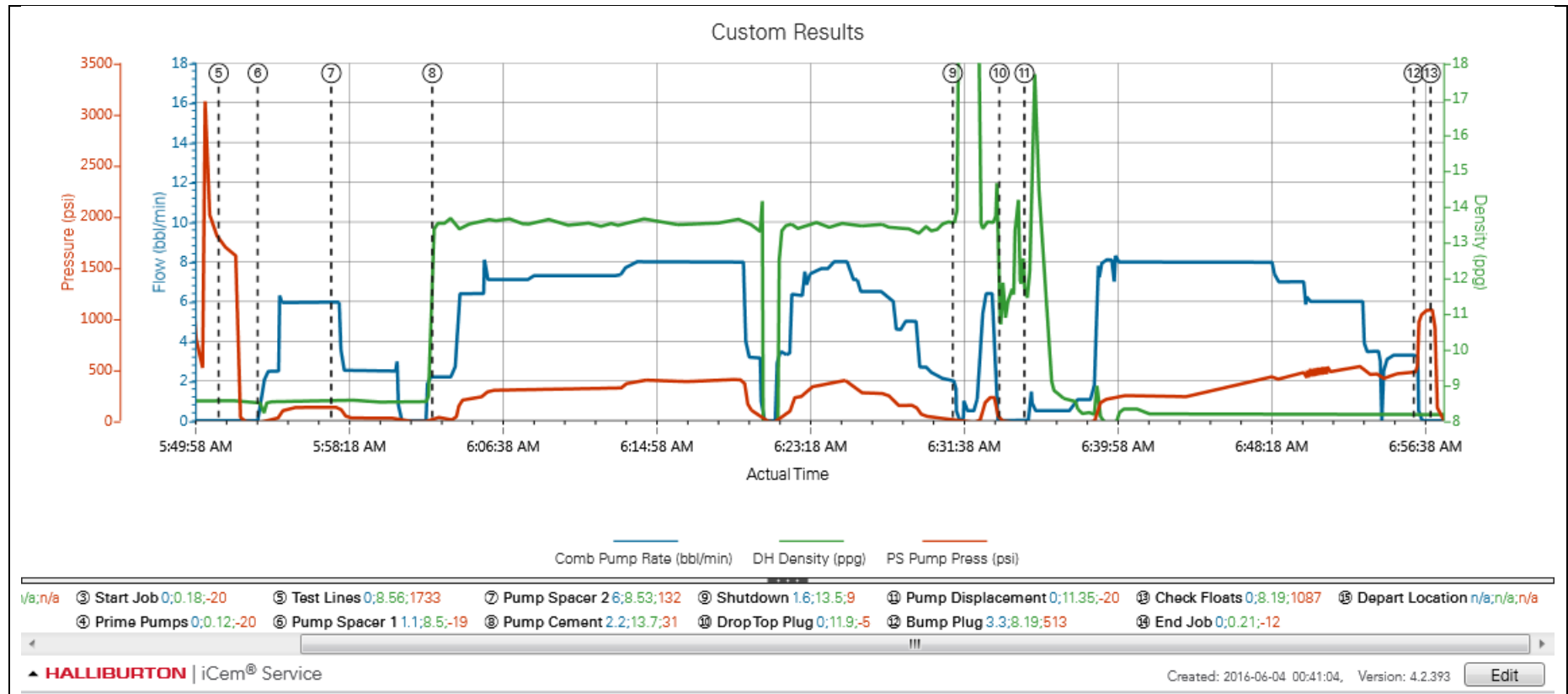
## 2.0 Real-Time Job Summary

## 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) SWIFTCM 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

