HALLIBURTON

iCem® Service

EXTRACTION OIL & GAS-EBUS

Date: Wednesday, January 03, 2018

MILKSHAKE 31W-20-9N PRODUCTION

Job Date: Tuesday, December 26, 2017

Sincerely,

Julia Nichols

Legal Notice

Warning Disclaimer

Although the information contained in this report is based on sound engineering practices, the copyright owner(s) does (do) not accept any responsibility whatsoever, in negligence or otherwise, for any loss or damage arising from the possession or use of the report whether in terms of correctness or otherwise. The application, therefore, by the user of this report or any part thereof, is solely at the user's own risk.

Limitations of Liability

Except as expressly set forth herein, there are no representations or warranties by Halliburton, express or implied, including implied warranties of merchantability and/or fitness for a particular purpose. In no event will Halliburton or its suppliers be liable for consequential, incidental, special, punitive or exemplary damages (including, without limitation, loss of data, profits, use of hardware, or software). Customer accepts full responsibility for any investment made based on results from the Software. Any interpretations, analyses or modeling of any data, including, but not limited to Customer data, and any recommendation or decisions based upon such interpretations, analyses or modeling are opinions based upon inferences from measurements and empirical relationships and assumptions, which inferences and assumptions are not infallible, and with respect to which professional may differ. Accordingly, Halliburton cannot and does not warrant the accuracy, correctness or completeness of any such interpretation, recommendation, modeling or other products of the Software Product. As such, any interpretation, recommendation or modeling resulting from the Software for the purpose of any drilling, well treatment, production or financial decision will be at the sole risk of Customer. Under no circumstances will Halliburton or its suppliers be liable for any damages.

Table of Contents

1.0 Cementing Job Summary

1.1 Executive Summary

Halliburton appreciates the opportunity to perform the cementing services on the **Milkshake 31W-20-9N** cement **Production** 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 37 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 [Fort Lupton]

HALLIBURTON

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 369404	**Ship To #:** 3836782	**Quote #:**	**Sales Order #:** 0904526178
Customer: EXTRACTION OIL & GAS		**Customer Rep:** Hans Cary	
Well Name: MILKSHAKE	**Well #:** 31W-20-9N		**API/UWI #:** 05-123-45819-00
Field: WATTENBERG	**City (SAP):** WINDSOR	**County/Parish:** WELD	**State:** COLORADO
Legal Description: SW SW-32-6N-67W-1167FSL-225FWL			
Contractor:		**Rig/Platform Name/Num:** Cyclone 37	
Job BOM: 7523 7523			
Well Type: HORIZONTAL OIL			
Sales Person: HALAMERICA\HX38199		**Srvc Supervisor:** Vitalijs Neverdasovs	

Job

Formation Name					
Formation Depth (MD)	**Top**		**Bottom**		
Form Type			**BHST**		
Job depth MD	17144ft		**Job Depth TVD**		
Water Depth			**Wk Ht Above Floor**		
Perforation Depth (MD)	**From**		**To**		

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	0	9.625	8.921	36			0	1564	0	1564
Casing	0	5.5	4.778	20			0	17124	0	7179
Open Hole Section			8.5				1568	17144	1568	7179

Tools and Accessories

Type	Size in	Qty	Make	Depth ft		Type	Size in	Qty	Make
Guide Shoe	5.5					Top Plug	5.5	1	KLX
Float Shoe	5.5			17124		Bottom Plug	5.5		
Float Collar	5.5			17119		SSR plug set	5.5		
Insert Float	5.5					Plug Container	5.5	!	HES
Stage Tool	5.5					Centralizers	5.5		

Fluid Data

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	11.5 lb/gal Tuned Spacer III	Tuned Spacer III	50	bbl	11.5	3.73		5	
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	ElastiCem	ELASTICEM (TM) SYSTEM	2720	sack	13.2	1.57		7	7.53

HALLIBURTON

Cementing Job Summary

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	Displacement	Displacement	379	bbl	8.33			8	

Cement Left In Pipe	Amount	5 ft	Reason	Shoe Joint

Comment 37bbl of cement back to surface .

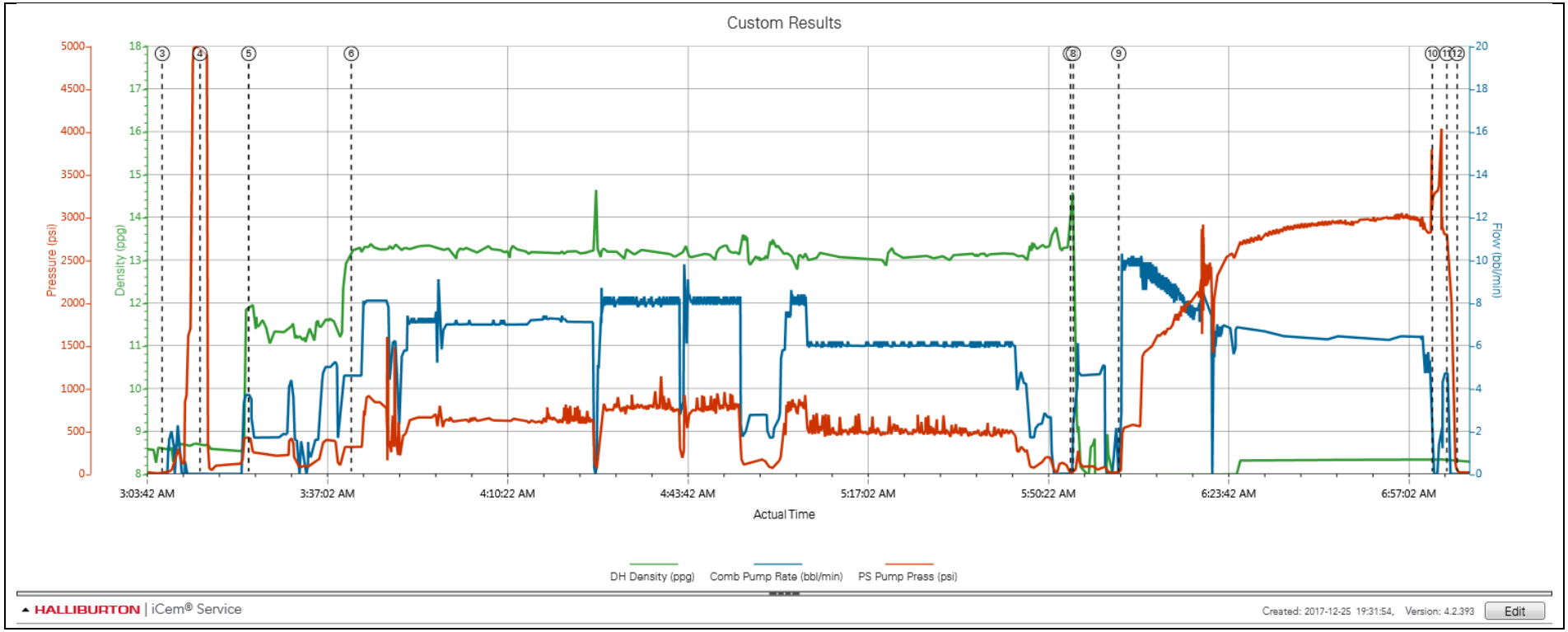
2.0 Real-Time Job Summary

2.1 Job Event Log

Type	Seq. No.	Activity	Graph Label	Date	Time	Source	DH Density (ppg)	Comb Pump Rate (bbl/min)	PS Pump Press (psi)	Comments
Event	1	Arrive at Rig	Arrive at Rig	12/25/2017	04:06:22	USER				Arrived on location met with company rep to discuss job process and concerns, advised that rig was running casing 1000 feet left to run
Event	2	Call Out	Call Out	12/25/2017	14:20:00	USER				Crew called out from ARC hub
Event	3	Start Job	Start Job	12/26/2017	03:06:56	COM4	8.60	0.00	20.00	Held pre-job safety meeting with all hands on location to discuss job process and hazards
Event	4	Test Lines	Test Lines	12/26/2017	03:13:54	COM4	8.68	0.00	4931.00	Pressure tested pumps and lines with fresh water 4806 psi found no leaks and pressure held good
Event	5	Pump Spacer 1	Pump Spacer 1	12/26/2017	03:22:55	COM4	11.94	3.70	411.00	MIxed 50bbl of 11.5ppg Tuned spacer at 5.0bpm 382psi
Event	6	Pump Cement	Pump Cement	12/26/2017	03:41:53	USER	13.21	4.60	319.00	MIxed 2720sks or 760bbl of 13.2ppg Elasticem Y-1.57 G/sk-7.53 at 8.0bpm 551psi
Event	7	Shutdown	Shutdown	12/26/2017	05:54:53	USER	13.87	2.20	22.00	Shut down
Event	8	Clean Lines	Clean Lines	12/26/2017	05:55:25	USER	10.51	3.90	57.00	Wash pumps and lines with fresh water
Event	9	Pump Displacement	Pump Displacement	12/26/2017	06:03:49	USER	7.97	2.60	40.00	Pumped 379 bbl of fresh water lines to displace cement
Event	10	Bump Plug	Bump Plug	12/26/2017	07:01:50	COM4	8.33	0.00	3294.00	Bumped plug 500 psi over final pump pressure
Event	11	Other	Other	12/26/2017	07:04:30	COM4	8.31	0.00	2283.00	Released pressure back to pump truck to chack floats,floats held good 2.5 bbl back
Event	12	End Job	End Job	12/26/2017	07:06:24	COM4	8.31	0.00	15.00	37bbl of cement back to surface

3.0 Attachments

3.1 Custom Results – Job Chart with Events



3.2 Custom Results – Job Chart without Events