

HALLIBURTON

iCem[®] Service

EXTRACTION OIL & GAS

Date: Saturday, February 11, 2017

Kiteley #9 Surface

Job Date: Monday, January 23, 2017

Sincerely,

Julia Nichols

Legal Notice

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1.0 Cementing Job Summary

1.1 Executive Summary

Halliburton appreciates the opportunity to perform the cementing services on the **Kiteley 9** 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 30 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 #: 389404		Ship To #: 3770129		Quote #:		Sales Order #: 0903799700					
Customer: EXTRACTION OIL & GAS -				Customer Rep: SHAWN McINTYR							
Well Name: KITELEY			Well #: 9		API/UWI #: 05-123-43922-00						
Field: WATTENBERG		City (SAP): MEAD		County/Parish: WELD			State: COLORADO				
Legal Description: NW SW-21-3N-88W-1369FSL-637FWL											
Contractor:				Rig/Platform Name/Num: Spud Rig							
Job BOM: 7521											
Well Type: HORIZONTAL OIL											
Sales Person: HALAMERICA\HX38199				Srcv Supervisor: Jesse Slaughter							
Job											
Formation Name											
Formation Depth (MD)		Top			Bottom						
Form Type						BHST					
Job depth MD		1576ft			Job Depth TVD		1578ft				
Water Depth				Wk Ht Above Floor 4ft							
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		9.625	8.921	36			0	1576	0	1576	
Open Hole Section			13.5				0	1578	0	1578	
Tools and Accessories											
Type	Size in	Qty	Make	Depth ft		Type	Size in	Qty	Make		
Guide Shoe	9.625					Top Plug	9.625	1	HES		
Float Shoe	9.625			1576		Bottom Plug	9.625		HES		
Float Collar	9.625					SSR plug set	9.625		HES		
Insert Float	9.625					Plug Container	9.625	1	HES		
Stage Tool	9.625					Centralizers	9.625		HES		
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	Red Dye Spacer	Red Dye Spacer			20	bbl	8.33			4	
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	SwiftCem	SWIFTCEM (TM) SYSTEM			550	sack	13.5	1.74		7	9.2
9.20 Gal		FRESH WATER									

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Cementing Job Summary

Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft ³ /sack	Mix Fluid Gal	Rate bbl/mi n	Total Mix Fluid Gal	
3	Fresh Water	Fresh Water	118.6	bbl	8.33			7		
Cement Left In Pipe		Amount	42 ft		Reason			Shoe Joint		
Comment										

2.0 Real-Time Job Summary

2.1 Job Event Log

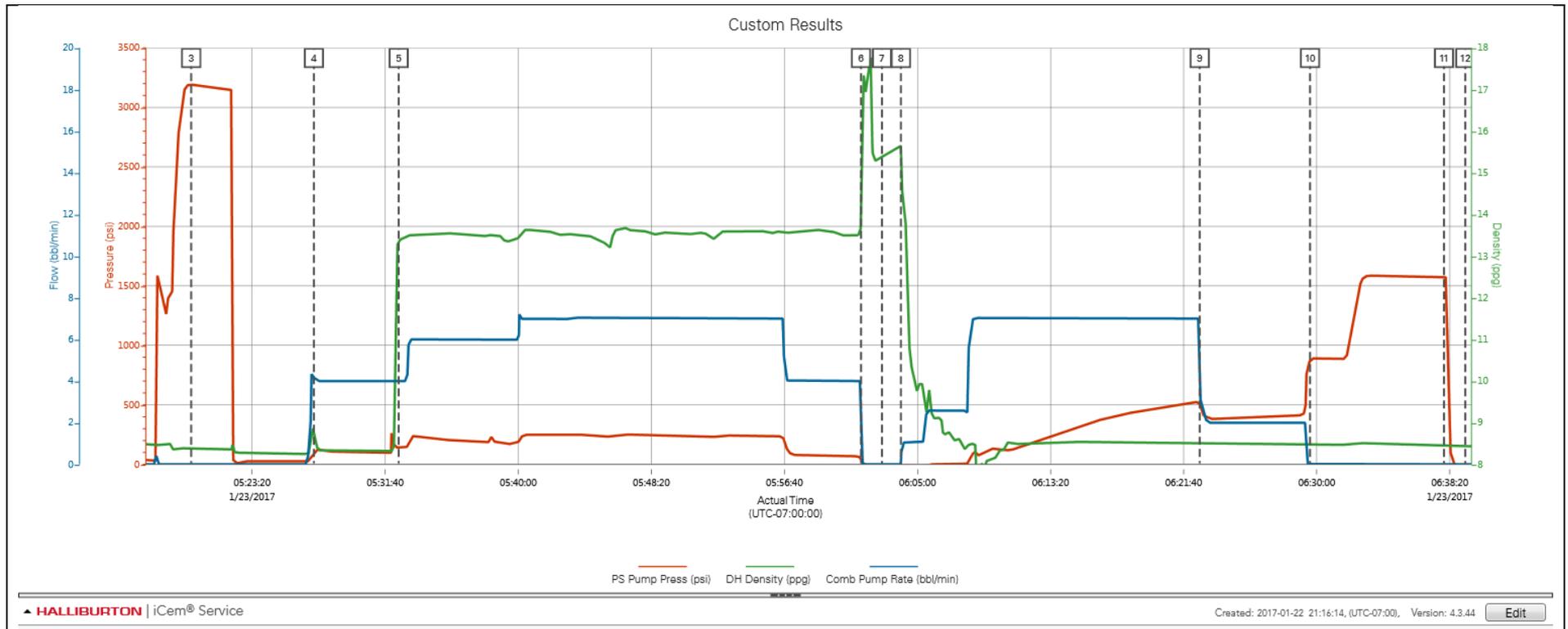
Type	Seq. No.	Activity	Graph Label	Date	Time	Source	PS Pump Press <i>(psi)</i>	DH Density <i>(ppg)</i>	Comb Pump Rate <i>(bbl/min)</i>	Comments
Event	1	Safety Meeting	Call Out	1/23/2017	20:30:00	USER				
Event	2	Safety Meeting	Crew Leave Yard	1/23/2017	02:00:00	USER				
Event	3	Safety Meeting	Arrive At Loc	1/23/2017	03:00:00	USER				RIG WAS RUNNING CASING UPON HES ARRIVAL
Event	4	Safety Meeting	Rig-Up Equipment	1/23/2017	04:00:00	USER				1 RED TIGER, 2 660 BULK TRUCKS
Event	5	Safety Meeting	Pre-job Safety Meeting	1/23/2017	04:50:00	USER				
Event	6	Start Job	Start Job	1/23/2017	05:10:00	COM5				TD 1578 FT, TP 1576, SHOE 42 FT, CSG 9.625 IN 36 IN, HOLE 13.5 IN, MUD WT 8.9 PPG
Event	7	Prime Pumps	Prime Pumps	1/23/2017	05:11:18	COM5				FRESH WATER
Event	8	Test Lines	Test Lines	1/23/2017	05:19:31	USER	3192.00	8.38	0.00	TESTED LINES TO 3190 PSI PRESSURE HOLDING
Event	9	Pump Spacer 1	Pump Red Dye Spacer	1/23/2017	05:27:12	USER	98.00	8.86	4.20	FRESH WATER WITH 2 LBS RED DYE
Event	10	Pump Cement	Pump Cement	1/23/2017	05:32:31	USER	147.00	13.40	4.00	550 SKS AT 13.5 PPG, 1.74 FT3/SK, 9.2 GAL/SK
Event	11	Shutdown	Shutdown	1/23/2017	06:01:28	USER	37.00	14.21	0.00	
Event	12	Drop Top Plug	Drop Top Plug	1/23/2017	06:02:46	USER	-18.00	15.40	0.00	PLUG LAUNCHED
Event	13	Pump Displacement	Pump Displacement	1/23/2017	06:03:57	USER	-18.00	15.65	0.00	FRESH WATER
Event	14	Slow Rate	Slow Rate	1/23/2017	06:22:40	USER	502.00	8.51	5.30	SLOW RATE 10 BBLS PRIOR TO CALCULATED DISPLACEMENT
Event	15	Bump Plug	Bump Plug	1/23/2017	06:29:35	COM5	876.00	8.50	0.00	TESTED CASING AT 1578 PSI FOR 5 MIN AS PER COMPANY REP
Event	16	Check Floats	Check Floats	1/23/2017	06:37:58	USER	1578.00	8.45	0.00	FLOATS HOLDING. HES RETURNED 1 BBL H2O TO PUMP.
Event	17	End Job	End Job	1/23/2017	06:39:18	COM5	-25.00	8.44	0.00	PIPE WAS STATIC DURING JOB. GOOD CIRCULATION THROUGHOUT JOB. HES RETURNED 30 BBLS CEMENT TO SURFACE.
Event	18	Pre-Rig Down Safety	Rig Down Equipment	1/23/2017	06:45:00	USER				

Meeting

Event	19	Crew Leave Location	Crew Leave Location	1/23/2017	07:30:00	USER	
Event	20	Comment	Comment	1/23/2017	07:31:00	USER	THANK YOU FOR USING HALLIBURTON CEMENT DEPARTMENT. JESSE SLAUGHTER AND CREW.

3.0 Attachments

3.1 Custom Results – Job Chart with Events



3.2 Custom Results – Job Chart without Events

