

HALLIBURTON

iCem[®] Service

EXTRACTION OIL & GAS

United States of America

Kiteley 2

Surface

Job Date: Saturday, January 28, 2017

Sincerely,
Derek Trier

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 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, 30bbl of cement 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 #: 3770376		Quote #:		Sales Order #: 0903799371					
Customer: EXTRACTION OIL & GAS -				Customer Rep: Larry Seigal							
Well Name: KITELEY			Well #: 2		API/UWI #: 05-123-43925-00						
Field: WATTENBERG		City (SAP): LONGMONT		County/Parish: WELD		State: COLORADO					
Legal Description: NW SW-21-3N-68W-1507FSL-528FWL											
Contractor:				Rig/Platform Name/Num: SpudRig							
Job BOM: 7521											
Well Type: HORIZONTAL OIL											
Sales Person: HALAMERICA/HX38199					Srcv Supervisor: Vaughn Oteri						
Job											
Formation Name											
Formation Depth (MD)		Top			Bottom						
Form Type											
Job depth MD		1560ft			Job Depth TVD						
Water Depth											
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	1540	0	1540	
Open Hole Section			13.5				0	1560	0	1560	
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			1540		Bottom Plug	9.625				
Float Collar	9.625			1497		SSR plug set	9.625				
Insert Float	9.625					Plug Container	9.625	1	HES		
Stage Tool	9.625					Centralizers	9.625				
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			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	SwiftCem	SWIFTCEM (TM) SYSTEM			550	sack	13.5	1.74		8	9.2
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	Fresh Water	Fresh Water			115	bbl	8.33			8	

last updated on 2/6/2017 11:43:50 AM

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Cementing Job Summary

Cement Left In Pipe	Amount	Reason	Shoe Joint
	42 ft		
Comment 30bbl of cement back to surface			

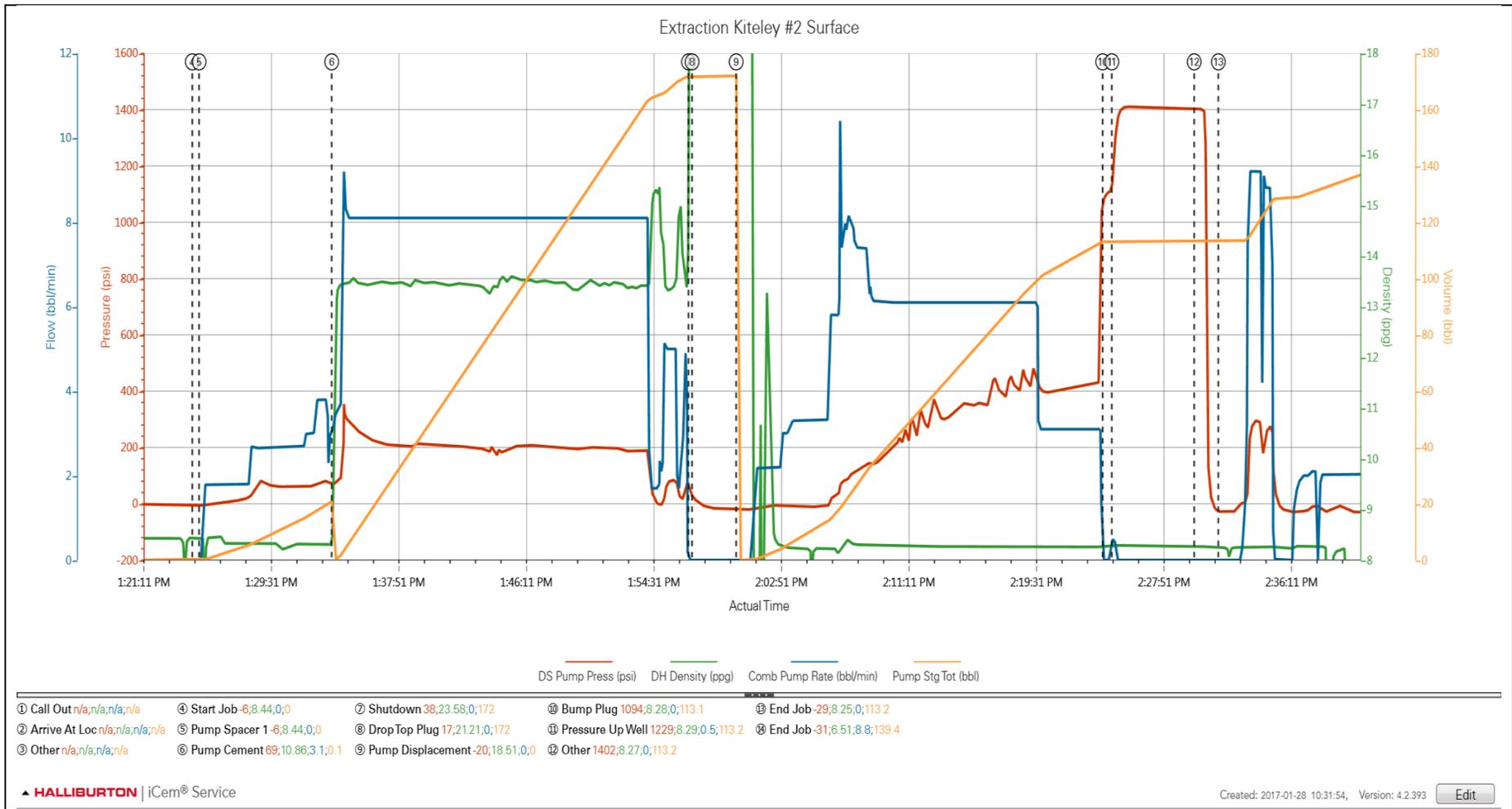
2.0 Real-Time Job Summary

2.1 Job Event Log

Type	Seq. No.	Activity	Graph Label	Date	Time	Source	PS Pump Press <i>(psi)</i>	DH Density <i>(ppg)</i>	Comb Pump Rate <i>(bbl/min)</i>	Comments
Event	1	Call Out	Call Out	1/28/2017	05:30:00	USER				Call out from ARC hub
Event	2	Arrive At Loc	Arrive At Loc	1/28/2017	08:00:00	USER				Arrived on location met with company rep to discuss job process and concerns
Event	3	Other	Other	1/28/2017	08:10:10	USER				TD-1560 TP-1540 FC-1497 OH-13.5 Casing 9.625 36# mud-8.33 water temp-55deg
Event	4	Start Job	Start Job	1/28/2017	13:24:30	COM4	-3.00	8.44	0.00	Held pre-job safety meeting with all hands on location to discuss job process and hazards
Event	5	Pump Spacer 1	Pump Spacer 1	1/28/2017	13:24:57	COM4	-3.00	8.44	0.00	Mixed 20bbl of fresh water with red tracer dye
Event	6	Pump Cement	Pump Cement	1/28/2017	13:33:37	COM4	76.00	10.48	3.10	Mixed 550sk or 170bbl of 13.5ppg Y-1.74 G/sk-9.2 Swiftcem at 8.0bpm 133psi
Event	7	Shutdown	Shutdown	1/28/2017	13:56:56	COM4	74.00	23.41	0.00	
Event	8	Drop Top Plug	Drop Top Plug	1/28/2017	13:57:10	COM4	45.00	21.39	0.00	Released plug witnessed by company rep
Event	9	Pump Displacement	Pump Displacement	1/28/2017	14:00:03	COM4	13.00	18.51	0.00	Pumped 115bbl of fresh water to displace cement
Event	10	Bump Plug	Bump Plug	1/28/2017	14:24:00	COM4	1174.00	8.28	0.00	Bumped plug 500psi over final pump pressure 460/1041psi
Event	11	Pressure Up Well	Pressure Up Well	1/28/2017	14:24:36	COM4	1284.00	8.28	0.40	Pressure up well to 1500psi for 5min
Event	12	Other	Other	1/28/2017	14:29:59	COM4	1490.00	8.27	0.00	Released pressure back to pump truck to check floats, floats held good 1.0bbl back
Event	13	End Job	End Job	1/28/2017	14:31:34	USER	37.00	8.25	0.00	30bbl of cement back to surface
Event	14	End Job	End Job	1/28/2017	14:41:21	COM4	39.00	6.51	8.80	

3.0 Attachments

3.1 Case 1-Custom Results.png



3.2 Case 1-Custom Results (1).png

