

HALLIBURTON

iCem[®] Service

EXTRACTION OIL & GAS

Date: Saturday, February 11, 2017

Kiteley #6 Surface

Job Date: Wednesday, January 25, 2017

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 **Kiteley #6 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 #: 3770373		Quote #:		Sales Order #: 0903802042					
Customer: EXTRACTION OIL & GAS -				Customer Rep: Sean Macintyre							
Well Name: KITELEY			Well #: 6			API/UWI #: 05-123-43920-00					
Field: WATTENBERG		City (SAP): LONGMONT		County/Parish: WELD		State: COLORADO					
Legal Description: NW SW-21-3N-68W-1429FSL-591FWL											
Contractor:				Rig/Platform Name/Num: Spud Rig							
Job BOM: 7521											
Well Type: HORIZONTAL OIL											
Sales Person: HALAMERICA\HX38199					Srvc Supervisor: Nathaniel Moore						
Job											
Job depth MD		1540ft			Job Depth TVD						
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	1540	0	1540	
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		HES		
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	Red Dye Spacer	Red Dye Spacer	10	bbl	8.33						
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		
2	SwiftCem	SWIFTCEM (TM) SYSTEM	550	sack	13.5	1.74		5	9.2		
9.20 Gal		FRESH WATER									
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		
3	Fresh Water	Fresh Water	115	bbl	8.33						
Cement Left In Pipe		Amount		42 ft		Reason		Shoe Joint			

30 bbl cement to surface

last updated on 2/11/2017 11:38:49 AM

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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	1/25/2017	02:30:00	USER				OL time 0530. Crew rolling from another job
Event	2	Assessment Of Location Safety Meeting	Assessment Of Location Safety Meeting	1/25/2017	06:30:00	USER				Rig just started running casing. Spot in and rig up equipment. TD 1540' 13.5" open hole. TP 1540' 9.625" 36# J-55. SJ 42'.
Event	3	Pre-Job Safety Meeting	Pre-Job Safety Meeting	1/25/2017	10:30:00	USER				Discuss job procedure.
Event	4	Start Job	Start Job	1/25/2017	10:48:13	COM1				Fill lines 3 bbl water
Event	5	Test Lines	Test Lines	1/25/2017	10:52:07	COM1	2504.00	8.49	0.00	500 psi kickout test and 2500 psi pressure test.
Event	6	Pump Spacer 1	Pump Spacer 1	1/25/2017	10:54:48	COM1	-1.00	8.44	0.00	10 bbl dyed water
Event	7	Check Weight	Check weight	1/25/2017	11:02:48	COM1	9.00	8.45	0.00	13.5 ppg cement verified with pressurized scales
Event	8	Pump Cement	Pump Cement	1/25/2017	11:07:59	COM1	153.00	13.51	6.10	550 sks/170 bbl 13.5 ppg 1.74 ft3/sk 9.2 gal/sk
Event	9	Shutdown	Shutdown	1/25/2017	11:33:33	COM1	10.00	20.43	0.00	Washup on top of plug
Event	10	Drop Top Plug	Drop Top Plug	1/25/2017	11:37:24	COM1	-2.00	26.50	0.00	Witnessed by customer rep
Event	11	Pump Displacement	Pump Displacement	1/25/2017	11:37:28	COM1	-2.00	26.53	0.00	115 bbl water displacement. 30 bbl cement to surface
Event	12	Bump Plug	Bump Plug	1/25/2017	11:54:11	COM1	1538.00	8.21	0.00	550 psi final circulating pressure. Pressured up to 1500 psi for 5 minute casing test.
Event	13	Other	Check floats	1/25/2017	11:57:16	COM1	1580.00	8.17	0.00	0.5 bbl back. Floats held
Event	14	End Job	End Job	1/25/2017	12:00:02	COM1	58.00	8.13	0.00	
Event	15	Pre-Rig Down Safety Meeting	Pre-Rig Down Safety Meeting	1/25/2017	12:00:03	USER	58.00	8.13	0.00	
Event	16	Depart Location Safety Meeting	Depart Location Safety Meeting	1/25/2017	13:00:00	USER				

3.0 Attachments

3.1 Custom Results – Job Chart with Events



3.2 Custom Results – Job Chart without Events

