

HALLIBURTON

iCem[®] Service

EXTRACTION OIL & GAS-EBUS

United States of America, COLORADO

Date: Sunday, August 13, 2017

CS-Kinkade C6-1-13 Surface

Job Date: Monday, June 19, 2017

Sincerely,
Bryce Hinsch

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1.0 Cementing Job Summary

1.1 Executive Summary

Halliburton appreciates the opportunity to perform the cementing services on the **CS-Kinkade C6-1-13** 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 28 bbls 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]

The Road to Excellence Starts with Safety

Sold To #: 369404		Ship To #: 3727294		Quote #:		Sales Order #: 0904107559					
Customer: EXTRACTION OIL & GAS				Customer Rep: LARRY SIEGEL							
Well Name: CS-KINKADE			Well #: C6-1-13		API/UWI #: 05-123-42915-00						
Field: WATTENBERG		City (SAP): GREELEY		County/Parish: WELD		State: COLORADO					
Legal Description: SW SE-36-6N-66W-339FSL-1912FEL											
Contractor: PATTERSON-UTI ENERGY				Rig/Platform Name/Num: PATTERSON 341							
Job BOM: 7521 7521											
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		1595ft		Job Depth TVD	1595 FT						
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		9.625	8.921	36	8 RD (LT&C)	J-55	0	1585		0	
Open Hole Section			13.5				0	1595	0	0	
Tools and Accessories											
Type	Size in	Qty	Make	Depth ft		Type	Size in	Qty	Make		
Guide Shoe						Top Plug	9.625	1	HES		
Float Shoe	9.625	1	TOPCO	1585		Bottom Plug	9.625	0	HES		
Float Collar	9.625	1	TOPCO	1543		SSR plug set	9.625	0	HES		
Insert Float	9.625					Plug Container	9.625	1	HES		
Stage Tool	9.625					Centralizers	9.625	14	TOPCO		
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 Water Spacer	Red Dye Water Spacer			10	bbl	8.34				

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	525	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 ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
3	Displacement	Displacement	119	bbl	8.34				
Cement Left In Pipe		Amount	42 ft		Reason			Shoe Joint	
Comment : 28 BBLS BACK. FULL RETURNS DURING CEMENT JOB									

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	Call Out	Call Out	6/18/2017	20:00:00	USER				For Location @ 03:00 06/19/17
Event	2	Depart from Service Center or Other Site	Depart from Service Center or Other Site	6/18/2017	23:50:00	USER				Called Journey
Event	3	Arrive at Location from Service Center	Arrive at Location from Service Center	6/19/2017	00:39:00	USER				Bulk equipment arrived
Event	4	Safety Meeting - Pre Rig-Up	Safety Meeting - Pre Rig-Up	6/19/2017	02:21:00	USER				JSA to discuss the hazards of rig-up
Event	5	Rig-Up Equipment	Rig-Up Equipment	6/19/2017	02:28:00	USER				
Event	6	Casing on Bottom	Casing on Bottom	6/19/2017	03:14:00	USER	8.31	0.00	-5.00	Landing joint brought to floor and landed
Event	7	Pre-Job Safety Meeting	Pre-Job Safety Meeting	6/19/2017	03:21:00	USER	8.32	0.00	-1.00	With all HES, to discuss the hazards of pumping the job, and pump schedule.
Event	8	Circulate Well	Circulate Well	6/19/2017	03:37:00	USER	8.28	0.00	4.00	Per customer request pump water until returns come to surface. Pumped 10 BBLS
Event	9	Start Job	Start Job	6/19/2017	03:37:00	USER	8.28	0.00	4.00	With water supplied from uprights, water tested good to mix cement, PH 7, Cl 0, Temp 73
Event	10	Test Lines	Test Lines	6/19/2017	03:44:00	USER	8.29	0.10	919.00	Test lines @ 2767 psi
Event	11	Pump Spacer	Pump Spacer	6/19/2017	03:46:00	USER	8.32	0.00	54.00	Pump 10 bbls fresh water spacer with die
Event	12	Pump Lead Cement	Pump Lead Cement	6/19/2017	03:57:00	USER	8.31	0.00	79.00	525 sks(162.7 bbls) of Swiftcem @ 13.5 ppg,

										verified with pressurized scales
Event	13	Shutdown	Shutdown	6/19/2017	04:36:00	USER	12.84	4.50	87.00	Finished pumping cement
Event	14	Drop Top Plug	Drop Top Plug	6/19/2017	04:37:00	USER	13.49	0.00	-33.00	Pre-loaded top plug in plug container verified by customer rep.
Event	15	Pump Displacement - Start	Pump Displacement - Start	6/19/2017	04:38:00	USER	13.47	0.00	-36.00	119.3 bbls fresh water.
Event	16	Bump Plug	Bump Plug	6/19/2017	05:06:00	USER	8.16	0.00	698.00	@500 psi over final circulating pressure of 413 psi
Event	17	Check Floats	Check Floats	6/19/2017	05:07:00	USER	8.17	0.00	1088.00	Floats held. 1.5 bbls back
Event	18	End Job	End Job	6/19/2017	05:13:00	USER	-0.10	0.00	-32.00	
Event	19	Pre-Rig Down Safety Meeting	Pre-Rig Down Safety Meeting	6/19/2017	05:33:00	USER				JSA to discuss the hazards of rig-down
Event	20	Depart Location Safety Meeting	Depart Location Safety Meeting	6/19/2017	06:33:00	USER				Journey management meeting held prior to departure
Event	21	Depart Location for Service Center or Other Site	Depart Location for Service Center or Other Site	6/19/2017	06:45:00	USER				Called Journey

3.0 Attachments

3.1 CS-Kinkade C6-1-13 Surface Job Chart

