

HALLIBURTON

iCem[®] Service

HIGHPOINT RESOURCES CORP-EBUS

Date: Monday, May 13, 2019

Anschutz Coffelt 05-61-35-1609B Intermediate

Job Date: Thursday, May 09, 2019

Sincerely,
Tyler Hill

Legal Notice

Disclaimer:

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1.0 Cementing Job Summary

1.1 Executive Summary

Halliburton appreciates the opportunity to perform the cementing services on the **Anschutz Coffelt 5-61-35-1609B** cement **Intermediate** 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 10 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 #: 343492		Ship To #: 3929900		Quote #:		Sales Order #: 0905685645					
Customer: HIGHPOINT RESOURCES CORP-EBUS						Customer Rep:					
Well Name: ANSCHUTZ COFFELT				Well #: 5-61-35-1609B		API/UWI #: 05-123-49130-00					
Field: WATTENBERG		City (SAP): ROGGEN		County/Parish: WELD		State: COLORADO					
Legal Description: SW NW-35-5N-61W-1590FNL-320FWL											
Contractor: CADE DRLG				Rig/Platform Name/Num: CADE 23							
Job BOM: 7522 7522											
Well Type: HORIZONTAL OIL											
Sales Person: HALAMERICA\H139013				Srv Supervisor: Prince Perez							
Job											
Formation Depth (MD)		Top	0'		Bottom	6,244'					
Job depth MD		6,229'		Job Depth TVD	5,849'						
Water Depth				Wk Ht Above Floor	5'						
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	977	0	977	
Casing	0	7	6.366	23			0	6229	0	5849	
Open Hole Section			8.75				977	6244	977	5849	
Tools and Accessories											
Type	Size in	Qty	Make	Depth ft		Type	Size in	Qty	Make		
Guide Shoe	7	1		6,229		Top Plug	7	1			
Float Shoe	7					Bottom Plug	7				
Float Collar	7	1		6,182.7		SSR plug set	7				
Insert Float	7					Plug Container	7	1	HES		
Stage Tool	7					Centralizers	7	14			
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	Spacer	Water Based Red Dye Spacer			40	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	Cement	ELASTICEM (TM) SYSTEM	720	sack	13.2	1.57	7.53	8	5,422	
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	Fresh Water	243	bbl	8.33					
Cement Left In Pipe		Amount	46 ft		Reason			Shoe Joint		
Mix Water:		pH 7	Mix Water Chloride:			<300 ppm		Mix Water Temperature:		50 °F
Cement Temperature:		## °F	Plug Displaced by:			8.33 lb/gal		Disp. Temperature:		50 °F
Plug Bumped?		Yes	Bump Pressure:			2,078 psi		Floats Held?		Yes
Cement Returns:		10 bbls	Returns Density:			13.2 lb/gal		Returns Temperature:		## °F
Comment										
Pumped 40 bbls of Red Dye.										
Pumped 201.3 bbls of Elasticem.										
Pumped 243 bbls of fresh water displacement.										
2 bbls back on the floats.										

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	5/8/2019	16:00:00	USER				CREW CALLED OUT AT 16:00, REQUESTED ON LOCATION 22:00. CREW PICKED UP CEMENT, CHEMICALS, AND PLUG CONTAINER FROM FT. LUPTON, CO. BULK 660 10866497, 10784082, AND PUMP 11189145.
Event	2	Pre-Convoy Safety Meeting	Pre-Convoy Safety Meeting	5/8/2019	20:40:00	USER				CREW DISCUSSED ROUTES, HAZARDS, AND COMMUNICATION WITH CREW.
Event	3	Crew Leave Shop	Crew Leave Shop	5/8/2019	20:50:00	USER				STARTED JOURNEY MANAGEMENT.
Event	4	Arrive at Location from Service Center	Arrive at Location from Service Center	5/8/2019	22:00:00	USER				END JOURNEY MANAGEMENT. MEET WITH CO. MAN TO DISCUSS JOB; SURFACE CASING- 9.625" 36 LB/FT @ 977', 7" CASING: 23 LB/FT TOTAL 6,229', 8 3/4" HOLE, TD 6,244', 46.3' SHOE TRAC, TVD- 5,849'. PUMP FRESH WATER DISPLACEMENT. CASING LANDED @ 00:30 5/9/2019.
Event	5	Safety Meeting - Assessment of Location	Safety Meeting - Assessment of Location	5/8/2019	22:10:00	USER				HAZARD HUNT. DISCUSSED POSSIBLE HAZARDS ASSOCIATED WITH

										LOCATION, RIG UP AND WEATHER.
Event	6	Rig-Up Equipment	Rig-Up Equipment	5/8/2019	22:20:00	USER				RIG UP BULK AND MIXING EQUIPMENT.
Event	7	Pre-Job Safety Meeting	Pre-Job Safety Meeting	5/9/2019	01:45:00	USER	8.31	0.00	2.00	MEETING WITH HALLIBURTON AND RIG PERSONNEL. COMMUNICATED POTENTIAL SAFETY HAZARDS AND JOB DETAILS.
Event	8	Rig-Up Completed	Rig-Up Completed	5/9/2019	01:55:00	USER	8.31	0.00	8.00	
Event	9	Start Job	Start Job	5/9/2019	02:02:24	COM4	8.36	0.00	5.00	BEGIN RECORDING JOB DATA.
Event	10	Test Lines	Test Lines	5/9/2019	02:07:23	COM4	8.51	0.00	4815.00	PRESSURE TESTED IRON TO 4,500 PSI. KICKOUTS SET @ 500 PSI, KICKED OUT @ 1,000 PSI, 5TH GEAR STALL OUT @ 1,875 PSI. 4,500 KICKOUT @ 4,750 PSI.
Event	11	Pump Spacer 1	Pump Spacer 1	5/9/2019	02:12:48	COM4	8.35	0.00	3.00	PUMP 40 BBLS OF RED DYE @ 8.4 34 LBS/GAL. PUMP RATE 6 BPM @ 560 PSI.
Event	12	Pump Cement	Pump Cement	5/9/2019	02:20:42	COM4	11.71	4.00	442.00	PUMPED 720 SKS OF ELASTICEM @ 13.2 LB/GAL, 1.57 FT3/SK, 7.53 GAL/SK. 201.3 BBLS. 30 BBLS OF CEMENT CALCULATED TO RETURN TO SURFACE. DENSITY VERIFIED BY PRESSURIZED MUD SCALES. PUMP RATE 8 BPM @ 560 PSI.
Event	13	Shutdown	Shutdown	5/9/2019	02:49:58	COM4	13.69	0.00	25.00	SHUTDOWN TO WASH UP ON TOP OF THE PLUG.
Event	14	Drop Top Plug	Drop Top Plug	5/9/2019	02:51:30	COM4	16.13	0.00	2.00	PLUG LEFT CONTAINER, VERIFIED BY CO. MAN.

Event	15	Pump Displacement	Pump Displacement	5/9/2019	02:51:34	COM4	16.14	0.00	2.00	BEGIN CALCULATED DISPLACEMENT OF 243 BBLs WITH FRESH WATER. CEMENT TO SURFACE @ 233 BBLs AWAY, 10 BBLs CEMENT TO SURFACE. CAUGHT CEMENT @ 80 BBLs INTO DISPLACEMENT. RED DYE TO SURFACE @ 193 BBLs INTO DISPLACEMENT. 40 BBLs OF RED DYE TO SURFACE. SLOW RATE TO 3 BPM @ 230 BBLs INTO DISPLACEMENT.
Event	16	Bump Plug	Bump Plug	5/9/2019	03:31:50	COM4	8.00	0.00	2578.00	PLUG BUMPED AT CALCULATED DISPLACEMENT. 2,078 PSI PRESSURED 500 PSI OVER BUMP.
Event	17	Check Floats	Check Floats	5/9/2019	03:34:58	USER	7.97	0.00	313.00	RELEASED PRESSURE, FLOATS HELD, 2 BBLs BACK.
Event	18	Test Lines	Test Lines	5/9/2019	03:37:41	COM4	8.01	0.00	2584.00	CASING TEST @ 2,500 PSI FOR 15 MINUTES.
Event	19	End Job	End Job	5/9/2019	03:53:41	COM4	7.98	0.00	55.00	STOP RECORDING JOB DATA.
Event	20	Post-Job Safety Meeting (Pre Rig-Down)	Post-Job Safety Meeting (Pre Rig-Down)	5/9/2019	03:55:00	USER				DISCUSSED POSSIBLE HAZARDS ASSOCIATED WITH WEATHER, LOCATION AND RIGGING DOWN IRON AND HOSES.
Event	21	Rig-Down Equipment	Rig-Down Equipment	5/9/2019	04:00:00	USER				RIG DOWN BULK AND MIXING EQUIPMENT.
Event	22	Rig-Down Completed	Rig-Down Completed	5/9/2019	05:10:00	USER				
Event	23	Pre-Convoy Safety Meeting	Pre-Convoy Safety Meeting	5/9/2019	05:20:00	USER				CREW DISCUSSED ROUTES HAZARDS AND

COMMUNICATION WITH
CREW.

Event	24	Crew Leave Location	Crew Leave Location	5/9/2019	05:30:00	USER	THANK YOU FOR USING HALLIBURTON – PRINCE A. PEREZ AND CREW.
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3.0 Attachments

3.1 Highpoint Anschutz Coffelt 05-61-35-1609B Intermediate.png

