

# HALLIBURTON

iCem<sup>®</sup> Service

## HIGHPOINT RESOURCES

Date: Friday, June 07, 2019

### **ANSCHUTZ COFFELT 5-61-35-3225B Intermediate**

Job Date: Thursday, May 23, 2019

Sincerely,

**Bryce Hinsch**

## Legal Notice

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### Disclaimer:

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## 1.0 Cementing Job Summary

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### 1.1 Executive Summary

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Halliburton appreciates the opportunity to perform the cementing services on the **Anschutz Coffelt 5-61-35-3225B** 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 2 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 Fort Lupton**

*The Road to Excellence Starts with Safety*

<b>Sold To #:</b> 343492		<b>Ship To #:</b> 3930004		<b>Quote #:</b>		<b>Sales Order #:</b> 0905715577				
<b>Customer:</b> HIGHPOINT RESOURCES CORP-EBUS				<b>Customer Rep:</b> KC BECKSTEAD						
<b>Well Name:</b> ANSCHUTZ COFFELT			<b>Well #:</b> 5-61-35-3225B			<b>API/UWI #:</b> 05-123-49129-00				
<b>Field:</b> WATTENBERG		<b>City (SAP):</b> ROGGEN		<b>County/Parish:</b> WELD			<b>State:</b> COLORADO			
<b>Legal Description:</b> SW NW-35-5N-61W-1620FNL-320FWL										
<b>Contractor:</b> CADE DRLG				<b>Rig/Platform Name/Num:</b> CADE 23						
<b>Job BOM:</b> 7522 7522										
<b>Well Type:</b> HORIZONTAL OIL										
<b>Sales Person:</b> HALAMERICA\H139013				<b>Srvc Supervisor:</b> Vitali Neverdasov						
<b>Job</b>										
<b>Formation Name</b>										
<b>Formation Depth (MD)</b>		<b>Top</b>			<b>Bottom</b>					
<b>Form Type</b>					<b>BHST</b>					
<b>Job depth MD</b>		6271ft			<b>Job Depth TVD</b>					
<b>Water Depth</b>					<b>Wk Ht Above Floor</b>					
<b>Perforation Depth (MD)</b>		<b>From</b>			<b>To</b>					
<b>Well Data</b>										
<b>Description</b>	<b>New / Used</b>	<b>Size in</b>	<b>ID in</b>	<b>Weight lbm/ft</b>	<b>Thread</b>	<b>Grade</b>	<b>Top MD ft</b>	<b>Bottom MD ft</b>	<b>Top TVD ft</b>	<b>Bottom TVD ft</b>
Casing	0	9.625	8.921	36			0	986	0	977
Casing	0	7	6.366	23			0	6250	0	5845
Open Hole Section			8.75				986	6250	977	5845
<b>Tools and Accessories</b>										
<b>Type</b>	<b>Size in</b>	<b>Qty</b>	<b>Make</b>	<b>Depth ft</b>		<b>Type</b>	<b>Size in</b>	<b>Qty</b>	<b>Make</b>	
Guide Shoe	7					Top Plug	7	1	N/A	
Float Shoe	7	1	N/A	6250		Bottom Plug	7			
Float Collar	7	1	N/A	6225		SSR plug set	7			
Insert Float	7					Plug Container	7	1	HES	
Stage Tool	7					Centralizers	7		N/A	
<b>Fluid Data</b>										
<b>Stage/Plug #:</b> 1										

Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft <sup>3</sup> /sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
1	Water Based Spacer	Water Based Spacer	40	bbl	8.33			4	

Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft <sup>3</sup> /sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
2	13.2# ElastiCem	ELASTICEM (TM) SYSTEM	450	sack	13.2	1.57		5.5	7.52
7.54 Gal		<b>FRESH WATER</b>							

Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft <sup>3</sup> /sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
3	13.2# ElastiCem	ELASTICEM (TM) SYSTEM	275	sack	13.2	1.57		6	7.53
7.53 Gal		<b>FRESH WATER</b>							

Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft <sup>3</sup> /sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
4	Displacement fluid		245	bbl	8.33				

Cement Left In Pipe	Amount	Reason	Shoe Joint
	46 ft		

**Comment :** 2 BBLS 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	Comb Pump Rate <i>(bbl/min)</i>	DH Density <i>(ppg)</i>	PS Pump Press <i>(psi)</i>	Pump Stg Tot <i>(bbl)</i>	Comments
Event	1	Call Out	Call Out	5/22/2019	16:30:00	USER					ON LOCATION AT 22:00
Event	2	Depart Yard Safety Meeting	Depart Yard Safety Meeting	5/22/2019	18:30:00	USER					HELD JSA PRIOR LEAVING THE YARD
Event	3	Depart from Service Center or Other Site	Depart from Service Center or Other Site	5/22/2019	18:45:00	USER					
Event	4	Arrive at Location from Service Center	Arrive at Location from Service Center	5/22/2019	21:15:00	USER					63 MILES. DISCUSS NUMBERS AND PROCEDURE WITH CUSTOMER. RIG IS LANDING CASING.
Event	5	Pre-Rig Up Safety Meeting	Pre-Rig Up Safety Meeting	5/22/2019	21:30:00	USER					JSA PRIOR SPOTTING EQUIPMENT AND RIGGING UP
Event	6	Other	SPOT TRUCKS	5/22/2019	21:40:00	USER					SPOT TRUCKS
Event	7	Other	RIG UP	5/22/2019	21:50:00	USER					RIG UP ALL SURFACE LINES.
Event	8	Pre-Job Safety Meeting	Pre-Job Safety Meeting	5/22/2019	23:03:00	USER	0.00	8.50	-1.00	30.10	DISCUSS HAZARDS AND JOB PROCEDURE WITH ALL PERSONAL INVOLVED
Event	9	Start Job	Start Job	5/22/2019	23:18:16	COM4	0.00	8.50	3.00	0.00	
Event	10	Pressure Test	Pressure Test	5/22/2019	23:21:42	USER	0.00	8.51	28.00	3.00	LOAD LINE AND TEST TO 4080 PSI
Event	11	Pump Spacer	Pump Spacer	5/22/2019	23:26:00	USER	0.00	8.50	9.00	0.00	PUMP 40 BBLS OF FRESH WATER. FIRST 10 BBLS WITH DYE.
Event	12	Check Weight	Check Weight	5/22/2019	23:34:01	COM4	4.90	8.51	387.00	33.30	

Event	13	Pump Lead Cement	Pump Cement	5/22/2019	23:36:00	USER	4.20	10.18	349.00	1.50	BATCH/WIEGHT/ PUMP 450 SKS ( 125.8 BBLS.) OF ELASTICEM @ 13.2 PPG.
Event	14	Pump Tail Cement	Pump Tail Cement	5/22/2019	23:55:00	USER	6.00	13.17	324.00	111.50	WEIGHT/ PUMP 275 SKS ( 76.9 BBLS.) OF ELASTICEM @ 13.2 PPG.
Event	15	Check Weight	Check Weight	5/23/2019	00:00:11	COM4	6.00	13.20	204.00	17.40	
Event	16	Shutdown	Shutdown	5/23/2019	00:11:00	USER	0.00	13.82	59.00	69.70	FINISHED PUMPING CEMENT
Event	17	Pump Displacement	Pump Displacement	5/23/2019	00:17:00	USER	3.80	10.13	45.00	1.40	244.6 BBLS OF FRESH WATER DISPLACEMENT. WASHING UP ON TOP OF THE PLUG.
Event	18	Bump Plug	Bump Plug	5/23/2019	00:55:00	USER	0.00	8.07	2162.00	254.80	BUMP PLUG @ 2250 PSI 500 OVER FINAL LIFT PRESSURE.
Event	19	Check Floats	Check Floats	5/23/2019	00:57:00	USER	0.00	8.06	1770.00	255.60	FLOATS HELD. 1.5 BBS BACK
Event	20	Other	Other	5/23/2019	01:01:00	USER	0.00	8.07	1592.00	257.00	1500 PSI CASING TEST FOR 15 MINUTES.
Event	21	Drop Top Plug	Drop Top Plug	5/23/2019	01:15:00	USER	0.00	8.05	1715.00	257.00	TOP PLUG WAS PRE LOADED, VERIFYIED BY CUSTOMER.
Event	22	Other	Other	5/23/2019	01:16:00	USER	0.00	8.05	1721.00	257.00	BLEED OFF PRESSURE.
Event	23	End Job	End Job	5/23/2019	01:17:24	COM4	0.00	8.08	36.00	0.00	
Event	24	Pre-Rig Down Safety Meeting	Pre-Rig Down Safety Meeting	5/23/2019	01:20:00	USER					HELD JSA PRIOR TO RIG DOWN

## 3.0 Attachments

### 3.1 Highpoint Anschutz Coffelt 5-61-35-3225B Intermediate Chart



