HALLIBURTON

iCem® Service

HIGHPOINT RESOURCES CORP-EBUS

Date: Tuesday, May 28, 2019

Anschutz Coffelt 5-61-35-3225B Production

Job Date: Tuesday, May 28, 2019

Sincerely,

Tyler Hill

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 **Anschutz Coffelt 5-61-35-3225B** cement **Production** 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 0 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

Sold To #: 343492	**Ship To #:** 3930004	**Quote #:**	**Sales Order #:** 0905723955
Customer: HIGHPOINT RESOURCES CORP-EBUS		**Customer Rep:** Dustin Smith	
Well Name: ANSCHUTZ COFFELT	**Well #:** 5-61-35-3225B		**API/UWI #:** 05-123-49129-00
Field: WATTENBERG	**City (SAP):** ROGGEN	**County/Parish:** WELD	**State:** COLORADO
Legal Description: SW NW-35-5N-61W-1620FNL-320FWL			
Contractor: CADE DRLG		**Rig/Platform Name/Num:** CADE 23	
Job BOM: 7523 7523			
Well Type: HORIZONTAL OIL			
Sales Person: HALAMERICA\H181357		**Srvc Supervisor:** Nicholas Cummins/Christian Richards	

Job

Formation Name				
Formation Depth (MD)	**Top**	6271ft	**Bottom**	15778ft
Form Type			**BHST**	
Job depth MD	15773ft		**Job Depth TVD**	5854ft
Water Depth			**Wk Ht Above Floor**	3ft
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		7	6.366	23			0	6271	0	0
Casing		4.5	4	11.6	8 RD		0	15773	0	0
Open Hole Section			6.125				6271	15778	0	0

Tools and Accessories

Type	Size in	Qty	Make	Depth ft		Type	Size in	Qty	Make
Guide Shoe	4.5	1	WTHR	15773		**Top Plug**	4.5	1	WTHR
Float Shoe	4.5					**Bottom Plug**	4.5		
Float Collar	4.5	1	WTHR	15717		**SSR plug set**	4.5		
Insert Float	4.5					**Plug Container**	4.5		
Stage Tool	4.5					**Centralizers**	4.5		

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	Water Based Spacer	Water Based Spacer	40	bbl	8.33			6	

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	NeoCem	NeoCem TM	194.4	bbl	13.2	2.04	9.74	7	5211

9.74 Gal	**FRESH WATER**
34.9960 lbm	**TYPE I / II CEMENT, BULK (101439798)**

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		244	bbl	8.33			8	

Cement Left In Pipe	**Amount**	0 ft	Reason		**Wet Shoe**
Mix Water:	pH 7	**Mix Water Chloride:**	<400 ppm	Mix Water Temperature:	**50 °F**
Cement Temperature:	50 °F	**Plug Displaced by:**	8.33 lb/gal	Disp. Temperature:	**50 °F**
Plug Bumped?	Yes/No	**Bump Pressure:**	##### psi	Floats Held?	**Yes/No**
Cement Returns:	0 bbl	**Returns Density:**	## lb/gal	Returns Temperature:	**## °F °C**

Comment

40 bbls Fresh Water

194 bbls Cement

244 bbls Displacement

2.5 bbl Wet Shoe

.5 bbls back to truck

Estimated top of Cement 4,545'

2.0 Real-Time Job Summary

2.1 Job Event Log

Type	Seq. No.	Activity	Graph Label	Date	Time	Source	DS Pump Press (psi)	DH Density (ppg)	Comb Pump Rate (bbl/min)	Pump Stg Tot (bbl)	Comments
Event	1	Call Out	Call Out	5/27/2019	22:00:00	USER					Crew was called out on 5/28/19 at 2200. The customer requested HES on location at 0400 on 5/28/19.
Event	2	Depart from Service Center or Other Site	Depart from Service Center or Other Site	5/28/2019	02:00:00	USER					The crew held a pre journey safety meeting discussing the route and potential hazards while driving The supervisor called in a journey. The crew departed service center.
Event	3	Arrive at Location from Service Center	Arrive at Location from Service Center	5/28/2019	03:45:00	USER					The crew arrived on location safely. The rig was on bottom and circulating. The supervisor met with the Company man and received numbers. TD 15,778', TP 15,773' 4 1/2" 11.6# P-110, FC 15,717', PC 6,271' 7" 23# J-55, TVD 5,854', OH 6 1/8", Mud 9 ppg.
Event	4	Assessment Of Location Safety Meeting	Assessment Of Location Safety Meeting	5/28/2019	04:00:00	USER					Crew discussed all potential hazards on location.
Event	5	Pre-Rig Up Safety Meeting	Pre-Rig Up Safety Meeting	5/28/2019	04:10:00	USER					Crew held a safety meeting discussing the rig up procedure. Also all potential hazards associated with

											rigging up all HES equipment and lines.
Event	6	Rig-Up Equipment	Rig-Up Equipment	5/28/2019	04:20:00	USER					The crew rigged up all HES equipment and lines.
Event	7	Rig-Up Completed	Rig-Up Completed	5/28/2019	05:00:00	USER	105.00	8.57	0.00	11.10	Rig up completed, no one got hurt.
Event	8	Safety Meeting - Pre Job	Safety Meeting - Pre Job	5/28/2019	05:12:00	USER	-3.00	8.97	0.00	0.00	The crew and all personal involved with cement job discussed all potential hazards associated with job. Followed by the job procedure to ensure everyone understood the plan of action
Event	9	Start Job	Start Job	5/28/2019	05:28:30	COM1	-18.00	8.68	0.00	0.00	Started recording data from Elite 11512092. Filled lines with 3 bbls of water at 3 bpm, pressure was 320 psi.
Event	10	Test Lines	Test Lines	5/28/2019	05:30:57	COM1	50.00	8.41	0.00	3.30	Pressure tested all HES lines to 4,500 psi. The pressure test passed.
Event	11	Pump Spacer 1	Pump Spacer 1	5/28/2019	05:38:26	COM1	25.00	8.37	0.00	0.00	Pumped 40 bbls of water at 6 bpm, pressure was at 1,320 psi.
Event	12	Pump Lead Cement	Pump Lead Cement	5/28/2019	05:46:12	COM1	473.00	8.42	6.70	41.30	Pumped 194 bbls (535 sks) of cement at 6 bpm, pressure was at 1,000 psi. 13.2 ppg 2.04 yield 9.74 gal/sk. Verified density using pressurized scales.
Event	13	Shutdown	Shutdown	5/28/2019	06:16:39	COM1	59.00	36.31	0.00	200.70	Shutdown for cementer to break off circulating swage to drop top plug.

Event	14	Drop Top Plug	Drop Top Plug	5/28/2019	06:23:20	COM1	-4.00	6.12	0.00	200.70	Tool hand loaded top plug into casing.
Event	15	Pump Displacement	Pump Displacement	5/28/2019	06:23:24	COM1	-4.00	6.25	0.00	200.70	Pumped the calculated displacement of 244 bbls at 8 bpm, we adjusted rate as needed due to pressures. We caught cement at 30 bbls away.
Event	16	Bump Plug	Bump Plug	5/28/2019	07:03:15	COM1	1707.00	8.37	0.00	233.50	Bumped the plug, final circulating pressure 1,170 psi. We pressured up 500 psi over then shutdown.
Event	17	Shift Tool - Lower	Shift Tool - Lower	5/28/2019	07:06:22	USER	1809.00	8.35	0.00	233.50	We pressured up to 2,718 psi at 2 bpm to shift the WSS. Then pumped a 2.5 bbl wet shoe at 5 bpm.
Event	18	Other	Check Floats	5/28/2019	07:07:53	COM1	822.00	8.34	0.00	236.90	Bled pressure back to truck to check floats. Floats Held .5 bbls back.
Event	19	End Job	End Job	5/28/2019	07:08:43	COM1	45.00	8.35	0.00	236.90	Cement job complete stopped recording data. Estimated top of cement 4,545'.
Event	20	Pre-Rig Down Safety Meeting	Pre-Rig Down Safety Meeting	5/28/2019	07:09:00	USER	10.00	8.32	0.00	236.90	Crew held a safety meeting discussing the rig down procedure. Also all potential hazards associated with rigging down all HES equipment and lines.
Event	21	Rig-Down Equipment	Rig-Down Equipment	5/28/2019	07:15:00	USER	-17.00	0.18	0.00	236.90	The crew rigged down all HES equipment and lines.
Event	22	Rig-Down Completed	Rig-Down Completed	5/28/2019	08:00:00	USER					Rig down completed no one got hurt.

Event	23	Pre-Convoy Safety Meeting	Pre-Convoy Safety Meeting	5/28/2019	08:20:00	USER				The crew held a pre journey safety meeting discussing the route and potential hazards while driving The supervisor called in a journey.
Event	24	Depart Location for Service Center or Other Site	Depart Location for Service Center or Other Site	5/28/2019	08:30:00	USER				Nick Cummins and crew would like to thank you for your business, and choosing Halliburton Cement! Please feel free to call if you have any questions.

3.0 Attachments

3.1 Anschutz Coffelt 5-61-35-3225B -Custom Results.png