

HALLIBURTON

iCem[®] Service

HIGHPOINT RESOURCES

Date: Thursday, May 30, 2019

ANSCHUTZ COFFELT 5-61-35-1724B Intermediate

Job Date: Thursday, May 16, 2019

Sincerely,
Bryce Hinsch

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 5-61-35-1724B** 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 5 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 #: 3929824	Quote #:	Sales Order #: 0905703847
Customer: HIGHPOINT RESOURCES CORP-EBUS		Customer Rep: BOBBY	
Well Name: ANSCHUTZ COFFELT		Well #: 5-61-35-1724B	API/UWI #: 05-123-49131-00
Field: WATTENBERG	City (SAP): ROGGEN	County/Parish: WELD	State: COLORADO
Legal Description: SW NW-35-5N-61W-1605FNL-320FWL			
Contractor: CADE DRLG		Rig/Platform Name/Num: CADE 23	
Job BOM: 7522 7522			
Well Type: HORIZONTAL OIL			
Sales Person: HALAMERICA\H139013		Srvc Supervisor: Lance Carpenter	

Job

Formation Name			
Formation Depth (MD)	Top		Bottom
Form Type	BHST		
Job depth MD	6186ft	Job Depth TVD	5850
Water Depth		Wk Ht Above Floor	4
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			0	977	0	977
Casing		7	6.366	23			0	6170	0	5850
Open Hole Section			8.75				977	6186	977	5850

Tools and Accessories

Type	Size in	Qty	Make	Depth ft	Type	Size in	Qty	Make
Guide Shoe	7			6125	Top Plug	7	1	
Float Shoe	7				Bottom Plug	7		HES
Float Collar	7				SSR plug set	7		HES
Insert Float	7				Plug Container	7	1	HES
Stage Tool	7				Centralizers	7		HES

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				

Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
2	13.2# ElastiCem	ELASTICEM (TM) SYSTEM	720	sack	13.2	1.57	7.54	8	7.54
7.54 Gal		FRESH WATER							

Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
3	Displacement fluid		241	bbl	8.33				

Cement Left In Pipe	Amount	45 ft	Reason	Shoe Joint	
Mix Water:	pH 7	Mix Water Chloride:	200 ppm	Mix Water Temperature:	65°F
Cement Temperature:		Plug Displaced by:	8.34 lb/gal	Disp. Temperature:	## °F °C
Plug Bumped?	Yes	Bump Pressure:	1900 psi	Floats Held?	Yes
Cement Returns:	5 bbl	Returns Density:		Returns Temperature:	

Comment

JOB WENT WELL CEMENT WAS WEIGHED AND VERRIFIED ON SCALES, PUMPED 241 BBLS OF DISPLACEMENT WATER AT 8BPM SLOWED RATE TO 3.5 BPM AT 220BBLS AWAY BUMPED PLUG AND TOOK 500 PSI OVER FINAL CIRCULATING PRESSURE WAS 1900PSI HELD FOR A FEW MIN CHECKED FLOATS AND GOT 2 BBLS BACK. BROUGHT PRESSURE TO 1800PSI FOR 15 MIN CASING TEST.

40BBLS OF SPACER WATER BACK TO SURFACE

5BBLS 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	DS Pump Press <i>(psi)</i>	DH Density <i>(ppg)</i>	Comb Pump Rate <i>(bbl/min)</i>	Pump Stg Tot <i>(bbl)</i>	Comments
Event	1	Call Out	Call Out	5/16/2019	00:09:00	USER					CREW CALLED OUT FOR ON LOCATION AT 1500 BULK TRUCKS WERE IN THE YARD AND HAD NOT BEEN LOADED YET.
Event	2	Depart Location Safety Meeting	Depart Location Safety Meeting	5/16/2019	13:00:00	USER					HAD PRE CONVOY SAFTEY MEETING WITH CREW AND DISCUSSED SAFE FOLLOWING DISTANCES, WILD LIFE AND WALK AROUNDS. PUMP TRUCK LEFT YARD AND BULK TRUCKS WAITED IN YARD TO BE LOADED. LEFT AT 1400
Event	3	Safety Meeting - Pre Rig-Up	Safety Meeting - Pre Rig-Up	5/16/2019	14:30:00	USER					HAD PRE RIG UP SAFETY MEETING AND DISCUSSED 40' BUFFER ZONE, TEAM CARRY, CALL OUT HAMMER SWINGS AND GOOD COMMUNICATION.
Event	4	Arrive At Loc	Arrive At Loc	5/16/2019	15:15:00	USER					BULK TRUCK ARRIVED ON LOCATION, RIG HAD JUST LANDED CASING ON BOTTOM.
Event	5	Pre-Job Safety Meeting	Pre-Job Safety Meeting	5/16/2019	16:00:00	USER					HAD SAFETY MEETING WITH RIG CREW AND DISCUSSED MUSTER AREA, S.W.A NEAREST HOSPITAL, SLIP, TRIPS AND FALLS, PRESSURE

											DURING JOB AND GOOD COMMUNICATION.
Event	6	Start Job	Start Job	5/16/2019	16:21:50	COM6	1.00	0.00	0.00	15.20	START JOB
Event	7	Test Lines	Test Lines	5/16/2019	16:26:25	COM6	54.00	0.00	0.00	18.10	PRESSURE TESTED LINES TO 4500PSI
Event	8	Pump Spacer 1	Pump Spacer 1	5/16/2019	16:30:28	COM6	0.00	0.00	0.00	0.00	PUMPED 40 BBLS OF SPACER WATER WITH RED DYE IN THE FIRST 20BBLS
Event	9	Pump Cement	Pump Cement	5/16/2019	16:39:53	COM6	366.00	0.00	4.50	0.00	PUMPED 201 BBLS OF ELASTICEM 13.2 PPG 1.57 YIELD 7.54 GAL 720 SKS
Event	10	Drop Top Plug	Drop Top Plug	5/16/2019	17:10:34	COM6	-11.00	16.28	0.00	212.60	DROPPED TOP PLUG WITH COMPANY MAN ON RIG FLOOR.
Event	11	Pump Displacement	Pump Displacement	5/16/2019	17:11:58	COM6	-11.00	16.61	0.00	0.00	PUMPED 241 BBLS OF DISPLACEMENT WATER AT 8BPM SLOWED RATE TO 3BPM AT 220BBLS AWAY.
Event	12	Bump Plug	Bump Plug	5/16/2019	17:45:35	COM6	2347.00	8.39	0.00	247.70	FINAL CIRCULATING PRESSURE WAS 1900PSI TOOK 500PSI OVER TO BUMP PLUG. HELD FOR A FEW MINS. CHECKED FLOATS AND GOT 2 BBLS BACK.
Event	13	Other	Other	5/16/2019	17:50:52	COM6	1686.00	8.40	0.00	249.30	BROUGHT PRESSURE TO 1800PSI AND HELD FOR 15 MIN CASING TEST.
Event	14	Other	Other	5/16/2019	18:06:00	USER	1773.00	8.60	0.00	249.30	BLEED PRESSURE OFF, 5 BBLS OF CEMENT BACK TO SURFACE
Event	15	End Job	End Job	5/16/2019	18:13:14	USER	-15.00	8.40	0.00	269.90	END JOB
Event	16	Safety Meeting - Pre Rig-Down	Safety Meeting - Pre Rig-Down	5/16/2019	18:15:00	USER	-13.00	8.45	0.00	269.90	HAD PRE RIG DOWN SAFETY MEETING WITH CREW AND

DISCUSSED 40' ZONE, TEAM CARRY, SLIP TRIPS AND FALLS, PINCH POINTS AND GOOD COMMUNICATION.

Event	17	Depart Location Safety Meeting	Depart Location Safety Meeting	5/16/2019	19:00:00	USER
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HAD PRE CONVOY SAFETY MEETING WITH CREW AND DISCUSSED SAFE ROUTE, FOLLOWING DISTANCES AND WILD LIFE. CREW LEFT LOCATION.

3.0 Attachments

3.1 Highpoint Anschutz Coffelt 5-61-35-1724B Intermediate Chart

