

HALLIBURTON

iCem[®] Service

HIGHPOINT RESOURCES

Date: Tuesday, December 11, 2018

RSU Anschutz Fed 4-62-14-3225C Intermediate

Job Date: Monday, December 03, 2018

Sincerely,

Bryce Hinsch

Legal Notice

Disclaimer:

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Table of Contents

1.0	Cementing Job Summary	4
1.1	Executive Summary	4
2.0	Real-Time Job Summary	7
2.1	Job Event Log	7
3.0	Attachments.....	10
3.1	Highpoint RSU Anschutz Fed 4-62-14-3225C Intermediate Chart.....	10

1.0 Cementing Job Summary

1.1 Executive Summary

Halliburton appreciates the opportunity to perform the cementing services on the **RSU Anschutz Fed 4-62-14-3225C** 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 32 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 #: 3917122	Quote #:	Sales Order #: 0905322632
Customer: HIGHPOINT RESOURCES CORP-EBUS		Customer Rep: CHRIS	
Well Name: RSU ANSCHUTZ FED		Well #: 4-62-14-3225C	API/UWI #: 05-123-48432-00
Field: WATTENBERG	City (SAP): ROGGEN	County/Parish: WELD	State: COLORADO
Legal Description: SE NE-15-4N-62W-2023FNL-312FEL			
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	6510ft		Job Depth TVD
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			0	865		
Casing		7	6.366	23		J-55	0	6510		
Open Hole Section			8.75				895	6528		

Tools and Accessories

Type	Size in	Qty	Make	Depth ft	Type	Size in	Qty	Make
Guide Shoe	7	1		6510	Top Plug	7	1	
Float Shoe	7				Bottom Plug	7		HES
Float Collar	7	1		6464	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 ft ³ /sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
1	Mud Flush III (Powder)	Mud Flush III	20	bbl	8.4				
42 gal/bbl		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	
2	12.0 lb/gal Tuned Spacer III	Tuned Spacer III	40	bbl	12	3.16				
176.58 lbm/bbl		BARITE, BULK (100003681)								
35.35 gal/bbl		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	13.2# ElastiCem	ELASTICEM (TM) SYSTEM	780	sack	13.2	1.57		8	7.53	
7.54 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	
4	Displacement fluid	FRESH WATER	252	bbl	8.33					
Cement Left In Pipe		Amount	43 ft		Reason			Shoe Joint		
Mix Water:		7	Mix Water Chloride:		100		Mix Water Temperature:			63
Cement Temperature:## °F °C		Plug Displaced by:		8.34#/GAL		Disp. Temperature:			34	
Plug Bumped?Yes		Bump Pressure:		2050 PSI		Floats Held?Yes				
Cement Returns:0 BLS		Returns Density:		11.5		Returns Temperature:## °F °C				
Comment : JOB WENT WELL. GOOD RETURNS THROUGHOUT. MUD FLUSH RETURNS AT 200 BBL AWAY. TUNED SPACER RETURNS AT 220 BBL AWAY. CALCULATED TOP OF CEMENT 200' BASED ON PRESSURE AND RETURNS. THANK YOU FOR CHOOSING HALLIBURTON.										

2.0 Real-Time Job Summary

2.1 Job Event Log

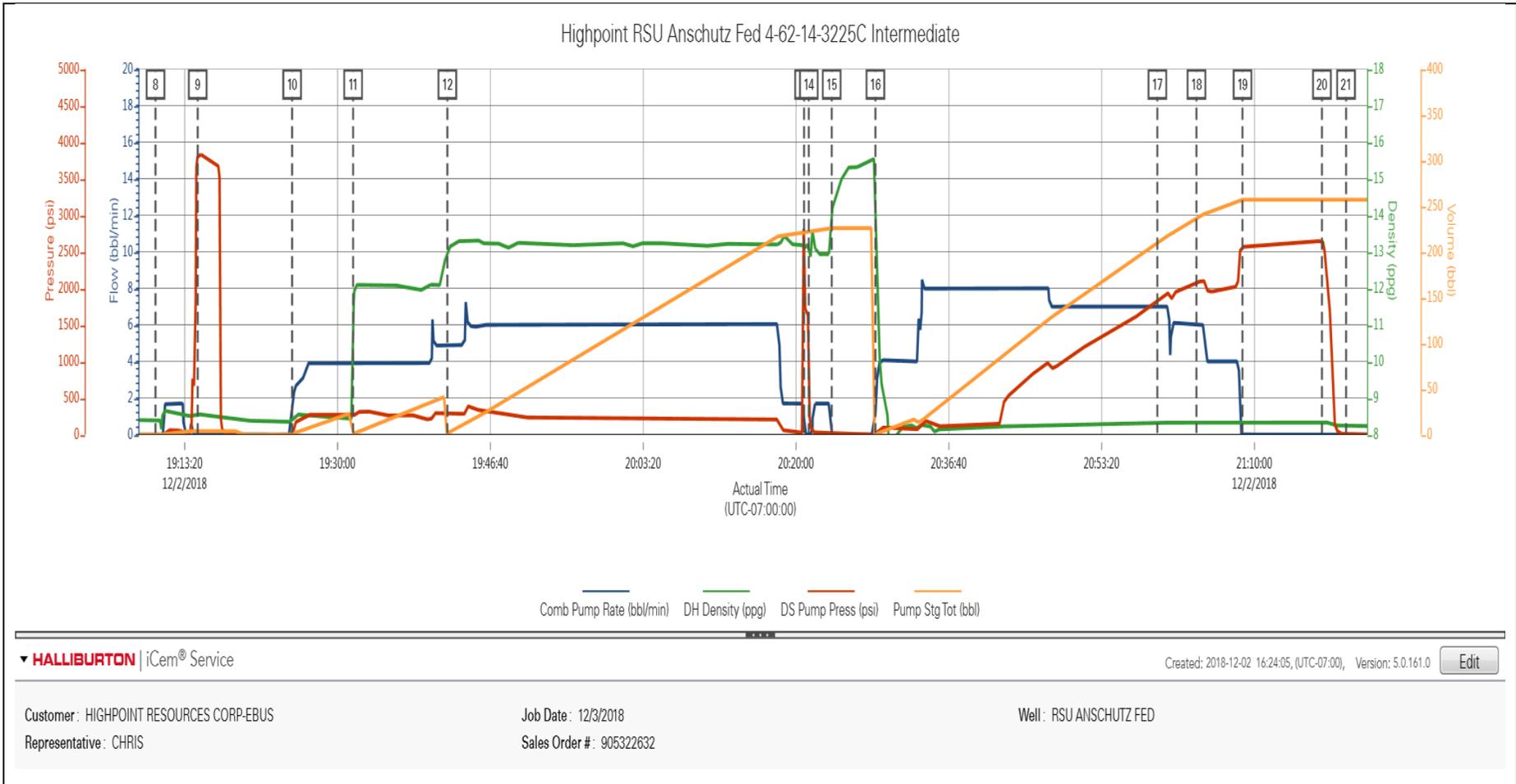
Type	Seq. No.	Activity	Graph Label	Date	Time	Source	Comb Pump Rate <i>(bbl/min)</i>	DH Density <i>(ppg)</i>	DS Pump Press <i>(psi)</i>	Pump Stg Tot <i>(bbl)</i>	Comments
Event	1	Call Out	Call Out	12/2/2018	08:00:00	USER					CREW CALLED OUT FOR JOB
Event	2	Pre-Convoy Safety Meeting	Pre-Convoy Safety Meeting	12/2/2018	12:30:00	USER					CREW HAS JOURNEY MANAGEMENT SAFETY MEETING DISCUSSING DIRECTIONS, CONVOY ORDER, FOLLOWING DISTANCE, ETC
Event	3	Depart Shop for Location	Depart Yard FOR LOCATION	12/2/2018	12:40:00	USER					CREW DEPARTS FROM THE YARD FOR LOCATION
Event	4	Arrive At Loc	Arrive At Loc	12/2/2018	14:45:00	USER					CREW ARRIVES AT LOCATION. RIG RUNNING CASING STILL AT 4500' GOING TO 6500'. CASING EQUIPMENT BLOCKING WHERE EQUIPMENT WILL SPOT IN.
Event	5	Casing on Bottom	Casing on Bottom	12/2/2018	17:30:00	USER					CASING ON BOTTOM. RIG LANDS CASING AND BEGINS TO CIRCULATE. CASING CREW BEGINS TO RIG DOWN
Event	6	Rig-Up Equipment	Rig-Up Equipment	12/2/2018	18:00:00	USER					CREW CAN SPOT IN EQUIPMENT AND BEGIN RIGGING UP
Event	7	Pre-Job Safety Meeting	Pre-Job Safety Meeting	12/2/2018	18:40:00	USER					CREW, RIG CREW AND COMPANY REP HAVE PRE JOB SAFETY MEETING DISCUSSING HAZARDS, MUSTER AREAS, JOB ROLES, JOB PROCEEDURES,

											COMMUNICATION, RED ZONES
Event	8	Start Job	Start Job	12/2/2018	19:10:09	COM6	0.00	8.40	-16.00	0.00	READY TO BEGIN JOB
Event	9	Pressure Test	Pressure Test	12/2/2018	19:14:45	USER	0.00	8.56	3809.00	3.70	FILL LINES 3 BBLs WATER. PRESSURE TEST TO 4000 PSI
Event	10	Pump Spacer 1	Pump Spacer 1	12/2/2018	19:25:03	USER	1.70	8.38	5.00	0.20	PUMP 20 BBL MUD FLUSH SPACER 8.4#
Event	11	Pump Spacer 2	Pump Spacer 2	12/2/2018	19:31:42	USER	3.90	10.63	256.00	0.80	PUMP 40 BBL TUNED SPACER 12# 3.16 YEILD 20 GAL/SK
Event	12	Pump Cement	Pump Cement	12/2/2018	19:41:59	USER	4.90	12.97	283.00	1.50	PUMP 218 BBL ELASTICEM 13.2# 1.57 YEILD 7.53 GAL/SK 780 SACKS
Event	13	Shutdown	Shutdown	12/2/2018	20:20:53	USER	0.10	12.97	1756.00	222.60	SHUTDOWN
Event	14	Drop Top Plug	Drop Top Plug	12/2/2018	20:21:24	USER	0.00	13.19	1614.00	222.60	DROP TOP PLUG
Event	15	Comment	Comment	12/2/2018	20:23:54	USER	0.00	14.11	4.00	225.90	WASH PUMPS ON TOP OF PLUG
Event	16	Pump Displacement	Pump Displacement	12/2/2018	20:28:40	USER	1.00	13.29	1.00	0.10	PUMP 252 BBL DISPLACEMENT WATER 8.34#
Event	17	Comment	Comment	12/2/2018	20:59:25	USER	7.00	8.32	1818.00	209.50	MUD FLUSH RETURNS TO SURFACE 200 BBL AWAY
Event	18	Comment	Comment	12/2/2018	21:03:41	USER	6.00	8.33	2091.00	236.50	TUNED SPACER RETURNS TO SURFACE 220 BBL AWAY
Event	19	Bump Plug	Bump Plug	12/2/2018	21:08:42	COM6	0.00	8.34	2563.00	256.90	BUMP PLUG. FINAL CIRCULATING PRESSURE 2050 PSI. TOOK TO 2600 PSI
Event	20	Check Floats	Check Floats	12/2/2018	21:17:22	USER	0.00	8.32	2648.00	256.90	HELD FLOATS 5 MINUTES. CHECKED AND GOT 2.5 BBL BACK. FLOATS HELD
Event	21	Post-Job Safety Meeting (Pre Rig-Down)	Post-Job Safety Meeting (Pre Rig-Down)	12/2/2018	21:20:00	USER	0.00	8.25	2.00	256.90	

Event	22	Rig Down Lines	Rig Down Lines	12/2/2018	21:25:00	USER	0.00	8.23	-5.00	256.90	CREW BEGINS RIGGING DOWN EQUIPMENT
Event	23	End Job	End Job	12/2/2018	21:42:20	COM6	0.00	8.24	6.00	288.20	CREW HAS PRE RIG DOWN SAFETY MEETING DISCUSSING HAZARDS, ASSIGNMENTS AND COMMUNICATION
Event	24	Pre-Convoy Safety Meeting	Pre-Convoy Safety Meeting	12/2/2018	21:50:00	USER					CREW HAS JOURNEY MANAGEMENT SAFETY MEETING DISCUSSING DIRECTIONS, ORDER, FOLLOWING DISTANCE, ETC
Event	25	Depart Location	Depart Location	12/2/2018	22:00:00	USER					CREW DEPARTS FROM LOCATION

3.0 Attachments

3.1 Highpoint RSU Anschutz Fed 4-62-14-3225C Intermediate Chart



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Edit

Customer: HIGHPOINT RESOURCES CORP-EBUS
 Representative: CHRIS

Job Date: 12/3/2018
 Sales Order #: 905322632

Well: RSU ANSHUTZ FED