

# HALLIBURTON

iCem® Service

## **HIGHPOINT RESOURCES CORP-EBUS**

United States of America, COLORADO

**For: Damien "Goose" Hunter**

Date: Saturday, April 13, 2019

WELD

Highpoint Anschutz Equus Farms Fed 5-61-34-5764B

Job Date: Saturday, April 13, 2019

SO# 905621687

Sincerely,

**Prince A. Perez**

## Legal Notice

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*The Road to Excellence Starts with Safety*

<b>Sold To #:</b> 343492		<b>Ship To #:</b> 3912004		<b>Quote #:</b>		<b>Sales Order #:</b> 0905621687				
<b>Customer:</b> HIGHPOINT RESOURCES CORP-EBUS				<b>Customer Rep:</b> Damien "Goose" Hunter						
<b>Well Name:</b> ANSCHUTZ EQUUS FARMS FED		<b>Well #:</b> 5-61-34-5764B				<b>API/UWI #:</b> 05-123-48186-00				
<b>Field:</b> WATTENBERG		<b>City (SAP):</b> ROGGEN		<b>County/Parish:</b> WELD			<b>State:</b> COLORADO			
<b>Legal Description:</b> NE SE-34-5N-61W-1685FSL-255FEL										
<b>Contractor:</b> CADE DRLG				<b>Rig/Platform Name/Num:</b> CADE 24						
<b>Job BOM:</b> 7522 7522										
<b>Well Type:</b> HORIZONTAL OIL										
<b>Sales Person:</b> HALAMERICA\H139013				<b>Srvc Supervisor:</b> Prince Perez						
<b>Job</b>										
<b>Formation Depth (MD)</b>		<b>Top</b> 0'		<b>Bottom</b>		6,429'				
<b>Job depth MD</b>		6,339'		<b>Job Depth TVD</b>		5,843'				
<b>Water Depth</b>				<b>Wk Ht Above Floor</b>		5'				
<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		9.625	8.921	36			0	1019	0	1019
Casing		7	6.366	23			0	6374	0	5856
Open Hole Section			8.75				997	6374	0	5856
<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	1		6,374		Top Plug	7	1		
Float Shoe	7					Bottom Plug	7			
Float Collar	7	1		6,367.8'		SSR plug set	7			
Insert Float	7					Plug Container	7	1	HES	
Stage Tool	7					Centralizers	7	13		
<b>Fluid Data</b>										
<b>Stage/Plug #: 1</b>										
<b>Fluid #</b>	<b>Stage Type</b>	<b>Fluid Name</b>	<b>Qty</b>	<b>Qty UoM</b>	<b>Mixing Density lbm/gal</b>	<b>Yield ft3/sack</b>	<b>Mix Fluid Gal</b>	<b>Rate bbl/min</b>	<b>Total Mix Fluid Gal</b>	
1	Spacer	Red Dye	30	bbl	8.33					
<b>Fluid #</b>	<b>Stage Type</b>	<b>Fluid Name</b>	<b>Qty</b>	<b>Qty UoM</b>	<b>Mixing Density lbm/gal</b>	<b>Yield ft3/sack</b>	<b>Mix Fluid Gal</b>	<b>Rate bbl/min</b>	<b>Total Mix Fluid Gal</b>	
2	Cement	ELASTICEM (TM) SYSTEM	760	sack	13.2	1.57	7.53	8	5,723	

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	250.2	bbl	8.33					
Cement Left In Pipe		Amount	46.2 ft		Reason			Shoe Joint		
Mix Water:		pH 6	Mix Water Chloride:			<300 ppm		Mix Water Temperature:		77 °F
Cement Temperature:		## °F	Plug Displaced by:			8.33 lb/gal		Disp. Temperature:		77 °F
Plug Bumped?		Yes	Bump Pressure:			2,500 psi		Floats Held?		Yes
Cement Returns:		9 bbl	Returns Density:			## lb/gal		Returns Temperature:		## °F
<b>Comment</b> Pumped 30 bbls of Red Dye spacer. Pumped 212.51 bbls of Elasticem. Pumped 250.2 bbls of fresh water displacement. <b>2.5 bbls on the floats.</b>										

## Summary Report

**Crew:** \_\_\_\_\_  
**Job Start Date:** 04/12/2019 08:00 PM

**Sales Order #:** 0905621687  
**WO #:** 0905621687  
**PO #:** NA  
**AFE #:** 20408D

<b>Customer:</b>	HIGHPOINT RESOURCES CORP- EBUS	<b>Field:</b>	WATTENBERG	<b>Job Type:</b>	CMT INTERMEDIATE CASING BOM
<b>UWI / API Number:</b>	05-123-48186-00	<b>County/Parish:</b>	WELD	<b>Service Supervisor:</b>	Prince Perez
<b>Well Name:</b>	ANSCHUTZ EQUUS FARMS FED	<b>State:</b>	COLORADO		
<b>Well No:</b>	5-61-34-5764B	<b>Latitude:</b>	40.354739	<b>Cust Rep Name:</b>	Damien "Goose" Hunter
		<b>Longitude:</b>	-104.186447		
		<b>Sect / Twn / Rng:</b>	34/5/61	<b>Cust Rep Phone #:</b>	

**Remarks:**

<b>The Information Stated Herein Is Correct</b>	Customer Representative Signature	Date
	Customer Representative Printed Name	

## 1.0 Real-Time Job Summary

## 1.1 Job Event Log

Type	Seq. No.	Activity	Graph Label	Date	Time	Source	DH Density (ppg)	Comb Pump Rate (bbl/min)	PS Pump Press (psi)	Pump Stg Tot (bbl)	Comments
Event	1	Call Out	Call Out	4/12/2019	12:00:00	USER					CREW CALLED OUT AT 12:00, REQUESTED ON LOCATION 17:00. CREW PICKED UP CEMENT, CHEMICALS, AND PLUG CONTAINER FROM FT. LUPTON, CO. BULK 660 10867098, 11398319, AND PUMP 11189145.
Event	2	Pre-Convoy Safety Meeting	Pre-Convoy Safety Meeting	4/12/2019	15:35:00	USER					CREW DISCUSSED ROUTES, HAZARDS, AND COMMUNICATION WITH CREW.
Event	3	Crew Leave Shop	Crew Leave Shop	4/12/2019	15:45:00	USER					STARTED JOURNEY MANAGEMENT.
Event	4	Arrive at Location from Service Center	Arrive at Location from Service Center	4/12/2019	17:15:00	USER					END JOURNEY MANAGEMENT. MEET WITH CO. MAN TO DISCUSS JOB; SURFACE CASING- 9.625" 36 LB/FT @ 1,019.5', 7" CASING: 23 LB/FT TOTAL 6,414', 8 3/4" HOLE, TD 6,429', 46.2 SHOE TRAC, TVD- 5,843'. PUMP FRESH WATER DISPLACEMENT. CASING LANDED @ 18:30 4/12/2019.

Event	5	Safety Meeting - Assessment of Location	Safety Meeting - Assessment of Location	4/12/2019	17:25:00	USER						HAZARD HUNT. DISCUSSED POSSIBLE HAZARDS ASSOCIATED WITH LOCATION, RIG UP AND WEATHER.
Event	6	Rig-Up Equipment	Rig-Up Equipment	4/12/2019	17:35:00	USER						RIG UP BULK AND MIXING EQUIPMENT.
Event	7	Rig-Up Completed	Rig-Up Completed	4/12/2019	19:50:00	USER						
Event	8	Pre-Job Safety Meeting	Pre-Job Safety Meeting	4/12/2019	21:00:00	USER						MEETING WITH HALLIBURTON AND RIG PERSONNEL. COMMUNICATED POTENTIAL SAFETY HAZARDS AND JOB DETAILS.
Event	9	Start Job	Start Job	4/12/2019	21:25:04	COM4						BEGIN RECORDING JOB DATA.
Event	10	Test Lines	Test Lines	4/12/2019	21:29:36	COM4		4614.00				PRESSURE TESTED IRON TO 4,700 PSI. KICKOUTS SET @ 500 PSI, KICKED OUT @ 1,400 PSI, 5TH GEAR STALL OUT @ 2,600 PSI. 4,700 KICKOUT @ 4,650 PSI.
Event	11	Pump Spacer 1	Pump Spacer 1	4/12/2019	21:35:17	COM4	8.34	6	525	30		PUMP 30 BBLS OF RED DYE SPACER. PUMP RATE 6 BBLS/MIN @ 525 PSI.
Event	12	Pump Cement	Pump Cement	4/12/2019	21:45:27	COM4	13.2	8	750	212.51		PUMP 760 SKS OF ELASTICEM @ 13.2 LB/GAL, 1.57 FT3/SK, 7.53 GAL/SK, 212.51 BBLS. 37.66 BBLS CALCULATED TO RETURN TO SURFACE. DENSITY VERIFIED BY PRESSURIZED MUD SCALES. PUMP RATE 8 BBLS/MIN @ 750 PSI.



Event	13	Shutdown	Shutdown	4/12/2019	22:21:59	COM4						SHUTDOWN TO WASH UP ON THE PLUG.
Event	14	Drop Top Plug	Drop Top Plug	4/12/2019	22:25:13	COM4						PLUG LEFT CONTAINER, VERIFIED BY CO. MAN.
Event	15	Pump Displacement	Pump Displacement	4/12/2019	22:25:36	COM4	8.33	9.5	2380	0.00		BEGIN CALCULATED DISPLACEMENT OF 250.2 BBLS WITH FRESH WATER. CEMENT TO SURFACE @ 241 BBLS AWAY, 9 BBLS CEMENT TO SURFACE. CAUGHT CEMENT @ 80 BBLS INTO DISPLACEMENT. SPACER TO SURFACE @ 211 BBLS INTO DISPLACEMENT. 30 BBLS OF RED DYE TO SURFACE. SLOW RATE TO 3 BPM @ 230 BBLS INTO DISPLACEMENT.
Event	16	Bump Plug	Bump Plug	4/12/2019	23:12:55	COM4			2537.00			PLUG BUMPED AT CALCULATED DISPLACEMENT. 1,970 PSI PRESSURED 500 PSI OVER BUMP. SHUTDOWN FOR 30 MINUTES.
Event	17	Check Floats	Check Floats	4/12/2019	23:42:52	USER						RELEASED PRESSURE, FLOATS HELD, 2.5 BBLS BACK.
Event	18	End Job	End Job	4/12/2019	23:43:55	COM4						STOP RECORDING JOB DATA.
Event	19	Post-Job Safety Meeting (Pre Rig-Down)	Post-Job Safety Meeting (Pre Rig-Down)	4/12/2019	23:45:00	USER						DISCUSSED POSSIBLE HAZARDS ASSOCIATED WITH WEATHER, LOCATION AND RIGGING DOWN IRON AND HOSES.
Event	20	Rig-Down Equipment	Rig-Down Equipment	4/12/2019	23:55:00	USER						RIG DOWN BULK AND MIXING EQUIPMENT.

Event	21	Rig-Down Completed	Rig-Down Completed	4/13/2019	01:10:00	USER	
Event	22	Pre-Convoy Safety Meeting	Pre-Convoy Safety Meeting	4/13/2019	01:20:00	USER	CREW DISCUSSED ROUTES, HAZARDS, AND COMMUNICATION WITH CREW.
Event	23	Crew Leave Location	Crew Leave Location	4/13/2019	01:30:00	USER	THANK YOU FOR USING HALLIBURTON – PRINCE A. PEREZ AND CREW.

## 2.0 Attachments

### 2.1 Highpoint Anschutz Equus Farms Fed 5-61-34-5764B-Custom Results.png

Description	Actual Time (UTC-06:00:00)	DH Density (ppg)	Comb Pump Rate (bbl/min)	PS Pump Press (psi)	Pump Stg Tot (bbl)	
1 Start Job	21:25:04	8.43	0.00	-102.00	47.40	
2 Test Lines	21:29:36	8.60	0.00	4614.00	49.10	
3 Pump Spacer 1	21:35:17	8.39	0.00	-101.00	0.00	
4 Pump Cement	21:45:27	12.76	6.50	674.00	6.10	
5 Shutdown	22:21:59	15.49	0.00	-197.00	254.50	
6 Drop Top Plug	22:25:13	17.89	0.00	-234.00	254.50	
7 Pump Displacement	22:25:36	17.97	0.00	-234.00	0.00	
8 Bump Plug	23:12:55	8.36	0.00	2337.00	305.60	
9 Check Floats	23:42:52	8.46	0.00	289.00	305.60	
10 End Job	23:43:55	8.32	0.00	-221.00	0.00	


iCem® Service

Created: 2019-04-12 14:44:19, (UTC-06:00), Version: 4.5.139

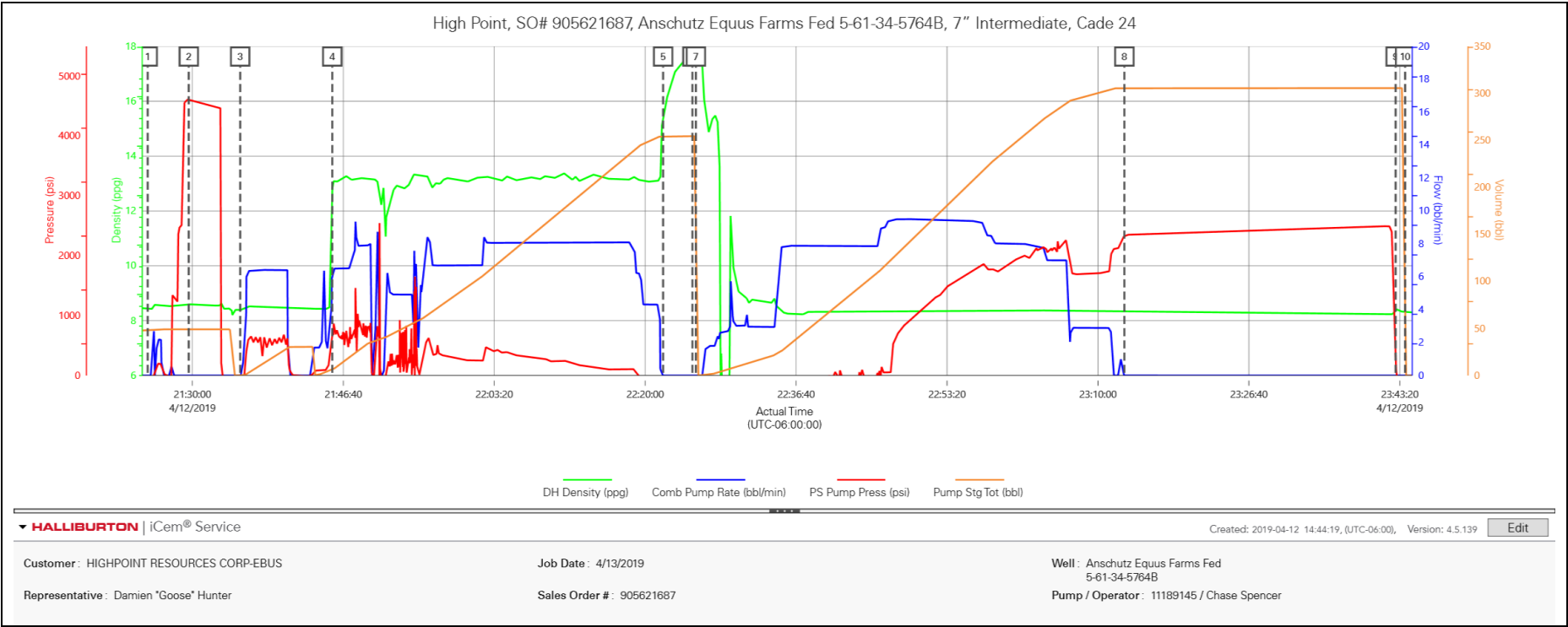
Edit

Customer: HIGHPOINT RESOURCES CORP-EBUS

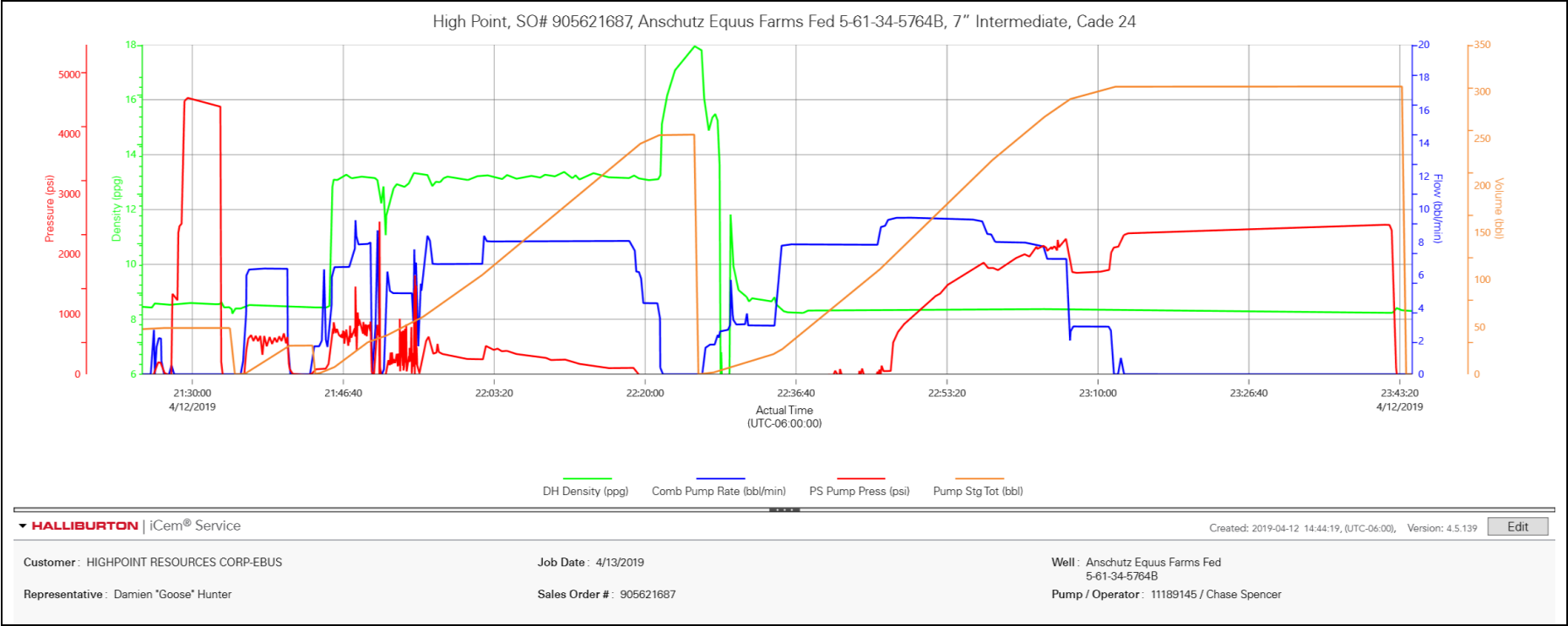
Job Date: 4/13/2019

Well: Anschutz Equus Farms Fed 5-61-34-5764B

2.2 Highpoint Anschutz Equus Farms Fed 5-61-34-5764B-Custom Results (1).png



2.3 Highpoint Anschutz Equus Farms Fed 5-61-34-5764B-Custom Results (2).png



3.0