

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

Sold To #: 343492	Ship To #: 3912004	Quote #:	Sales Order #: 0905621687
Customer: HIGHPOINT RESOURCES CORP-EBUS		Customer Rep: Damien "Goose" Hunter	
Well Name: ANSCHUTZ EQUUS FARMS FED	Well #: 5-61-34-5764B	API/UWI #: 05-123-48186-00	
Field: WATTENBERG	City (SAP): ROGGEN	County/Parish: WELD	State: COLORADO
Legal Description: NE SE-34-5N-61W-1685FSL-255FEL			
Contractor: CADE DRLG		Rig/Platform Name/Num: CADE 24	
Job BOM: 7522 7522			
Well Type: HORIZONTAL OIL			
Sales Person: HALAMERICA\H139013		Srvc Supervisor: Prince Perez	

Job

Formation Depth (MD)	Top	0'	Bottom	6,429'
Job depth MD	6,339'		Job Depth TVD	5,843'
Water Depth			Wk Ht Above Floor	5'

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	1019	0	1019
Casing		7	6.366	23			0	6374	0	5856
Open Hole Section			8.75				997	6374	0	5856

Tools and Accessories

Type	Size in	Qty	Make	Depth ft	Type	Size in	Qty	Make
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	

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	Spacer	Red Dye	30	bbl	8.33				

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
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 ft ³ /sack	Mix Fluid Gal	Rate bbl/mi n	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
Comment										
Pumped 30 bbls of Red Dye spacer.										
Pumped 212.51 bbls of Elasticem.										
Pumped 250.2 bbls of fresh water displacement.										
2.5 bbls on the floats.										

Summary Report

Crew: _____
Job Start Date: 04/12/2019 08:00 PM

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

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

Remarks:		
<i>The Information Stated Herein Is Correct</i>	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 <i>(ppg)</i>	Comb Pump Rate <i>(bbl/min)</i>	PS Pump Press <i>(psi)</i>	Pump Stg Tot <i>(bbl)</i>	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

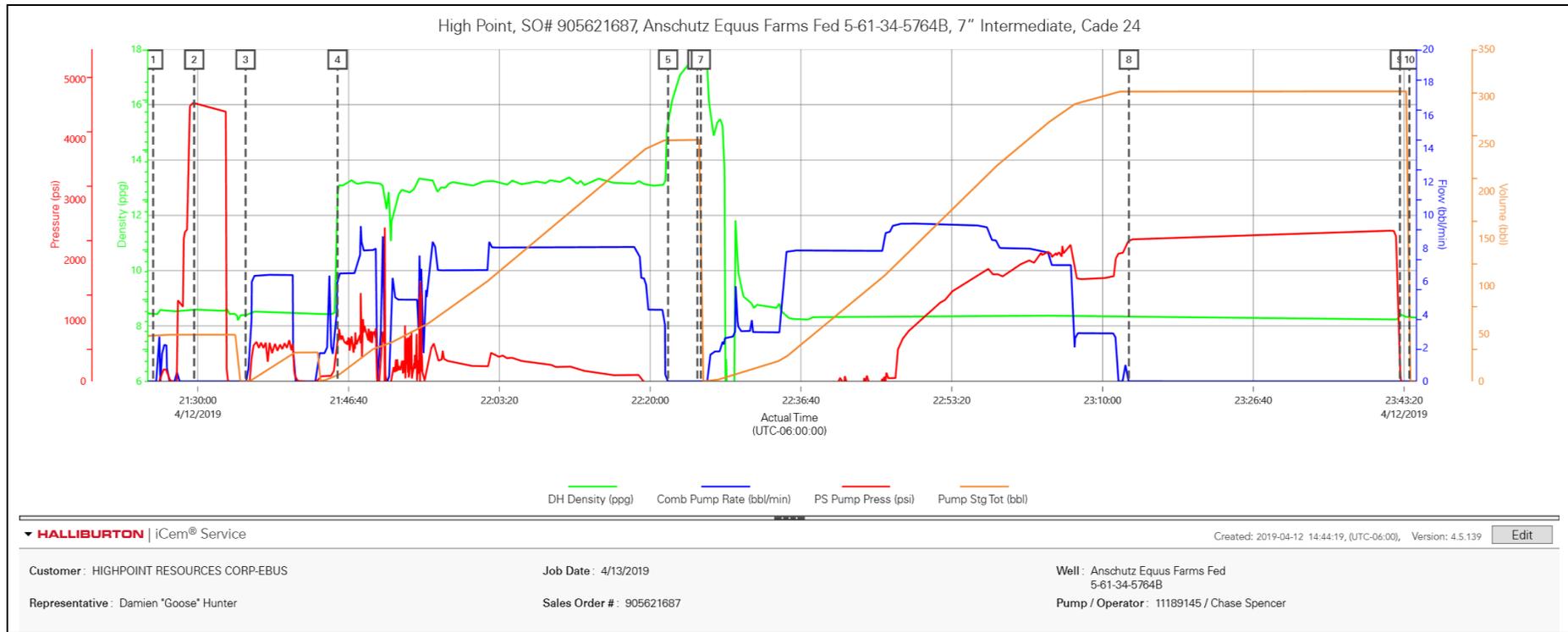
2.1 Highpoint Anschutz Equus Farms Fed 5-61-34-5764B-Custom Results.png

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

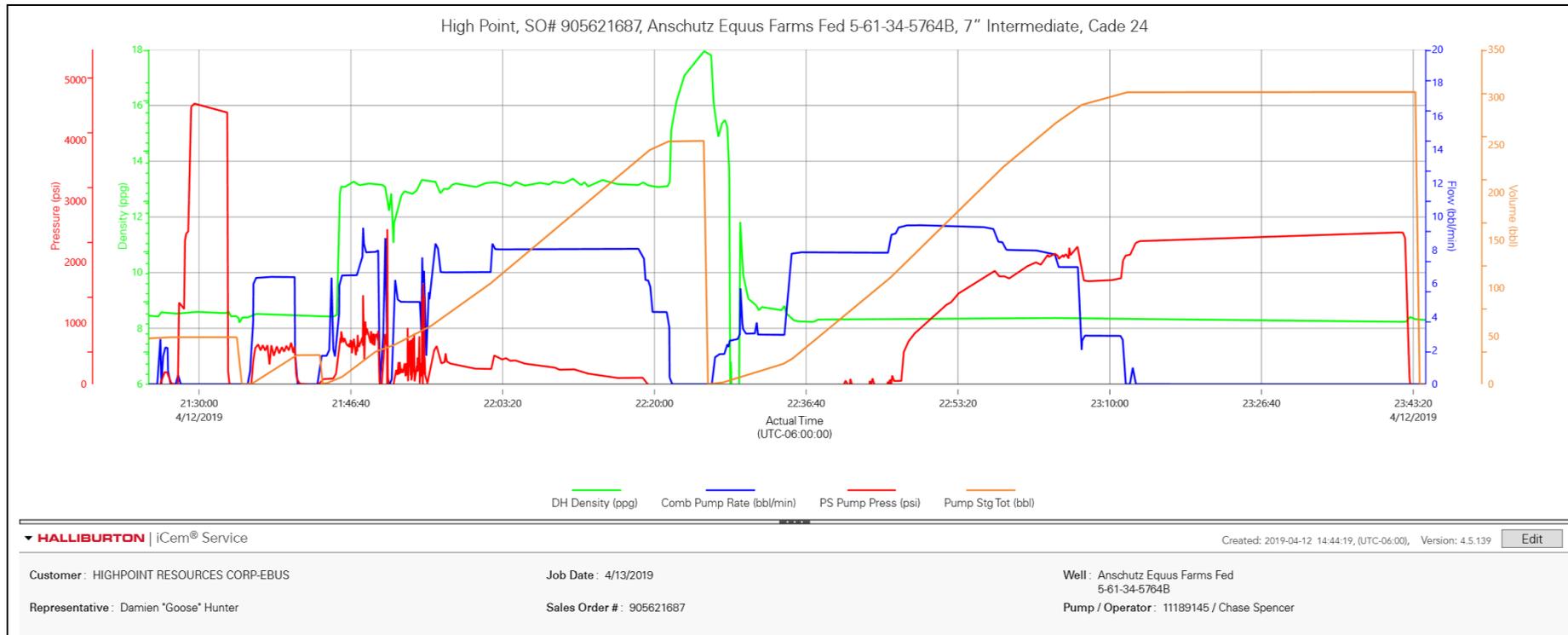
▾ HALLIBURTON | iCem® Service Created: 2019-04-12 14:44:19, (UTC-06:00), Version: 4.5.139 [Edit](#)

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



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