



# Highpoint Operation Corporation

## Intermediate Post Job Report

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**Anschutz Equus Farms 4-62-33-6457CN**

S:32 T:4N R:62W Weld CO

Quote #:

| Execution #:

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# Highpoint Operation Corporation

Attention: Mr. Matthew Schwartz | (303) 312-8142 | [maschwartz@billbarrettcorp.com](mailto:maschwartz@billbarrettcorp.com)

Highpoint Operation Corporation | 1099 18th St. | Denver, CO. 80202

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Dear Mr. Matthew Schwartz,

Thank you for the opportunity to provide cementing services on this well. BJ Services strives to achieve complete customer satisfaction. If you have any questions regarding the services or data provided, please contact BJ Services at any time.

Sincerely,  
Jacob Ojeda  
Field Engineer I | (763) 516-3012 | [jacob.ojeda@bjservices.com](mailto:jacob.ojeda@bjservices.com)

Field Office 1716 East Allison Rd., Cheyenne WY, 82007  
Phone: (307) 638-5585

Sales Office 999 18th St. Suite 1200 Denver, CO 80202  
Phone: (281) 408-2361

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# Cementing Treatment



**Start Date** 5/5/2018 **Well** Anschutz Equus Farms 4-62-33-6457CN  
**End Date** 5/5/2018 **County** WELD  
**Client** HighPoint Operating Corporation **State/Province** CO  
**Service Supervisor** Anthony J Staples **API** 05-123-45303  
**Field Ticket No.** 5205 **Type of Job** Intermediate  
**District** Cheyenne, WY

## WELL GEOMETRY

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Type	ID (in)	OD (in)	Wt. (lb/ft)	MD (ft)	TVD (ft)	Excess(%)	Grade
Open Hole	8.75			6,774.00	6,317.00	20.00	
Casing	6.37	7.00	23.00	6,759.00	6,317.00		J-55
Previous Casing	8.92	9.63	36.00	823.00	823.00		

**Shoe Length (ft):** 51

## HARDWARE

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**Bottom Plug Used?** No **Max Casing Pressure - Rated (psi)** 4300  
**Top Plug Used?** YES **Max Casing Pressure - Operated (psi)** 3300  
**Top Plug Provided By** BJ **Pipe Movement** NO  
**Top Plug Size** 7 **Job Pumped Through** HEAD  
**Centralizers Used** YES **Top Connection Thread** 8RND  
**Centralizers Quantity** 10 **Top Connection Size** 7  
**Centralizers Type** BOW  
**Landing Collar Depth (ft)** 6,708

# Cementing Treatment



## CIRCULATION PRIOR TO JOB

Well Circulated By	RIG	PV Mud Out	12
Circulation Prior to Job	YES	YP Mud In	5
Circulation Time (min)	1.0	YP Mud Out	5
Circulation Rate (bpm)	6.2	Solids Present at End of Circulation	No
Circulation Volume (bbls)	370	10 sec SGS	4
Lost Circulation Prior to Cement Job	No	10 min SGS	8
Mud Density In (ppg)	10.2	Flare Prior to/during the Cement Job	No
Mud Density Out (ppg)	10.2	Gas Present	No
PV Mud In	12		

## TEMPERATURE

Ambient Temperature (°F)	50	Slurry Cement Temperature (°F)	58
Mix Water Temperature (°F)	54	Flow Line Temperature (°F)	112

## BJ FLUID DETAILS

Fluid Type	Fluid Name	Density (ppg)	Yield (Cu Ft/sk)	H2O Req. (gals/sk)	Planned Top of Fluid (Ft)	Length (Ft)	Vol (sk)	Vol (Cu Ft)	Vol (bbls)
Spacer / Pre Flush / Flush	IntegraGuard EZ Spacer	11.0000			0.00				20.0000
Lead Slurry	BJCem I100.3.01C	12.5000	2.0735	11.83	600.00	4,400.00	380	791.0000	140.8000
Tail Slurry	BJCem I100.6.01C	15.8000	1.1550	4.98	5,000.00	1,750.00	280	325.0000	57.9000
Displacement Final	Water	8.3300			0.00			0.0000	264.1000

# Cementing Treatment



Fluid Type	Fluid Name	Component	Concentration	UOM
Spacer / Pre Flush / Flush	IntegraGuard EZ Spacer	GELLANT WATER, GW-86	0.8000	PPB
Spacer / Pre Flush / Flush	IntegraGuard EZ Spacer	SAND, S-8, Silica Flour, 200 Mesh	179.6000	PPB
Spacer / Pre Flush / Flush	IntegraGuard EZ Spacer	RETARDER, SR-20	1.0200	PPB
Spacer / Pre Flush / Flush	IntegraGuard EZ Spacer	Spacer Surfactant, SS-247	0.5000	GPB
Lead Slurry	BJCem I100.3.01C	Foam Preventer, FP-25	0.3000	BWOB
Lead Slurry	BJCem I100.3.01C	BONDING AGENT, BA-60	0.3000	BWOB
Lead Slurry	BJCem I100.3.01C	RETARDER, SR-20	0.4000	BWOB
Lead Slurry	BJCem I100.3.01C	CEMENT, ASTM TYPE III	100.0000	PCT
Lead Slurry	BJCem I100.3.01C	FLUID LOSS, FL-24	0.3000	BWOB
Tail Slurry	BJCem I100.6.01C	BONDING AGENT, BA-60	0.2000	BWOB
Tail Slurry	BJCem I100.6.01C	CEMENT, CLASS G	100.0000	PCT
Tail Slurry	BJCem I100.6.01C	RETARDER, R-6	0.1000	BWOB
Tail Slurry	BJCem I100.6.01C	DISPERSANT, CD-31	0.2000	BWOB
Tail Slurry	BJCem I100.6.01C	FLUID LOSS, FL-24	0.2000	BWOB
Tail Slurry	BJCem I100.6.01C	Foam Preventer, FP-25	0.3000	BWOB

# Cementing Treatment



## DISPLACEMENT AND END OF JOB SUMMARY

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<b>Displaced By</b>	BJ	<b>Amount of Cement Returned/Reversed</b>	20
<b>Calculated Displacement Volume (bbls)</b>	264.1	<b>Method Used to Verify Returns</b>	Visual
<b>Actual Displacement Volume (bbls)</b>	264.1	<b>Amount of Spacer to Surface</b>	30
<b>Did Float Hold?</b>	Yes	<b>Pressure Left on Casing (psi)</b>	0
<b>Bump Plug</b>	Yes	<b>Amount Bled Back After Job</b>	2
<b>Bump Plug Pressure (psi)</b>	2481	<b>Total Volume Pumped (bbls)</b>	492
<b>Were Returns Planned at Surface</b>	No	<b>Top Out Cement Spotted</b>	No
<b>Cement returns During Job</b>	Yes	<b>Lost Circulation During Cement Job</b>	No

## COMMENTS

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### Treatment Report

Pumped 10 Bbls Fresh Water Spacer Per Customer Request

## EVENT LOG

Service Line

Cementing

Client

HighPoint Operating Corporation

District

Cheyenne, WY



Quotes: QUO-11269-T7T6X8

Plans: ORD-06406-G9C5J3

Executions: EXC-06406-G9C5J302

Seq.	Well	Job Type	BJ Sup.	Start Dt./Time	End Dt./Time	Category	Event	Density (ppg)	Pump Rate (bpm)	Pump Vol (bbls)	Pipe Pressure (psi)	Comments
1	Anschutz Equus Farms 4-62-33-6457CN	Intermediate	Anthony Staples	05/04/2018 18:00	05/04/2018 20:00	Mobilization	Callout					Called Out For Intermediate Job
2	Anschutz Equus Farms 4-62-33-6457CN	Intermediate		05/04/2018 20:00	05/04/2018 21:51	Mobilization	Arrive on Location					Arrived for an RTS of 23:30
3	Anschutz Equus Farms 4-62-33-6457CN	Intermediate		05/04/2018 21:51	05/04/2018 21:59	Operational	Spot Units					
4	Anschutz Equus Farms 4-62-33-6457CN	Intermediate		05/04/2018 22:00	05/04/2018 22:10	Operational	Safety Meeting					STEACS With Crew, Assigned task
5	Anschutz Equus Farms 4-62-33-6457CN	Intermediate		05/04/2018 22:10	05/04/2018 23:00	Operational	Rig Up					Rigged Up
6	Anschutz Equus Farms 4-62-33-6457CN	Intermediate		05/04/2018 23:00	05/05/2018 01:00	StandBy	Other (See comment)					Waiting for Rig to Finish Circulating
7	Anschutz Equus Farms 4-62-33-6457CN	Intermediate		05/05/2018 01:05	05/05/2018 01:12	Operational	Safety Meeting					Pre-Job STEACS
8	Anschutz Equus Farms 4-62-33-6457CN	Intermediate		05/05/2018 01:12	05/05/2018 01:26	Operational	Rig Up					Rig Up Head
9	Anschutz Equus Farms 4-62-33-6457CN	Intermediate		05/05/2018 01:26	05/05/2018 01:30	Operational	Prime Up	8.3400	2.00	2.00	348.00	Prime Up, Load Lines
10	Anschutz Equus Farms 4-62-33-6457CN	Intermediate		05/05/2018 01:30	05/05/2018 01:33	Operational	Pressure Test	8.3400			4,103.00	Good PSI Test
11	Anschutz Equus Farms 4-62-33-6457CN	Intermediate		05/05/2018 01:33	05/05/2018 01:41	Operational	Pump Spacer	8.3400	5.30	8.00	502.00	Fresh Water
12	Anschutz Equus Farms 4-62-33-6457CN	Intermediate		05/05/2018 01:41	05/05/2018 01:48	Operational	Pump Spacer	11.0000	5.30	20.00	577.00	11# Spacer
13	Anschutz Equus Farms 4-62-33-6457CN	Intermediate		05/05/2018 01:48	05/05/2018 02:30	Operational	Pump Lead Cement	12.5000	5.00	140.00	551.00	Batch, Weigh, Pump 12.5# Lead
14	Anschutz Equus Farms 4-62-33-6457CN	Intermediate		05/05/2018 02:30	05/05/2018 02:46	Operational	Pump Tail Cement	15.8000	4.00	57.00	323.00	Batch, Weigh, Pump 15.8# Tail
15	Anschutz Equus Farms 4-62-33-6457CN	Intermediate		05/05/2018 02:46	05/05/2018 02:53	Operational	Clean Pumps and Lines	8.3400				Shut Down, Wash Up
16	Anschutz Equus Farms 4-62-33-6457CN	Intermediate		05/05/2018 02:53	05/05/2018 02:54	Operational	Drop Top Plug	8.3400	5.00	1.00	100.00	Plug left Head
17	Anschutz Equus Farms 4-62-33-6457CN	Intermediate		05/05/2018 02:54	05/05/2018 03:11	Operational	Pump Displacement	8.3400	6.20	99.00	424.00	100 Bbls Away
18	Anschutz Equus Farms 4-62-33-6457CN	Intermediate		05/05/2018 03:11	05/05/2018 03:30	Operational	Pump Displacement	8.3400	6.20	100.00	1,567.00	200 Bbls Away
19	Anschutz Equus Farms 4-62-33-6457CN	Intermediate		05/05/2018 03:30	05/05/2018 03:39	Operational	Pump Displacement	8.3400	6.20	55.00	1,846.00	255 Bbls Away Drop Rate to 3.0 Bpm
20	Anschutz Equus Farms 4-62-33-6457CN	Intermediate		05/05/2018 03:39	05/05/2018 03:43	Operational	Pump Displacement	8.3400	3.00	9.00	2,481.00	264Bbls Away
21	Anschutz Equus Farms 4-62-33-6457CN	Intermediate		05/05/2018 03:43	05/05/2018 03:43	Operational	Land Plug	8.3400	0.00	0.00	2,481.00	Plug Landed, 20Bbls CMT to Surface
22	Anschutz Equus Farms 4-62-33-6457CN	Intermediate		05/05/2018 03:43	05/05/2018 03:45	Operational	Check Floats	8.3400	0.00	0.00	0.00	2Bbls Back Floats Held

## EVENT LOG

Service Line

Cementing

Client

HighPoint Operating Corporation

District

Cheyenne, WY



23	Anschutz Equus Farms 4-62-33-6457CN	Intermediate		05/05/2018 03:48	05/05/2018 3:58	Operational	Other (See comment)	8.3400			2,049.00	Casing Test
24	Anschutz Equus Farms 4-62-33-6457CN	Intermediate		05/05/2018 3:58	05/05/2018 3:59	Operational	Other (See comment)	8.3400			2,125.00	Bleed Off Casing Test
25	Anschutz Equus Farms 4-62-33-6457CN	Intermediate		05/05/2018 4:00	05/05/2018 4:05	Operational	Safety Meeting	8.3400			0.00	Rig Down STEACS With Crew
26	Anschutz Equus Farms 4-62-33-6457CN	Intermediate		05/05/2018 4:05	05/05/2018 4:45	Operational	Rig Down	0.0000			0.00	Rig Down
27	Anschutz Equus Farms 4-62-33-6457CN	Intermediate		05/05/2018 5:00		Operational	Leave Location	0.0000			0.00	Leave Location



**JobMaster Program Version 4.02C1**  
Job Number: 5205  
Customer: BBC  
Well Name: Anschutz Equus Farms 4-62-33-6457 CN

