



# HighPoint Operating Corporation

---

## Production Post Job Report

---

RSU Anschutz Fed 4-62-11-0108C

S:3 T:4N R:62W Weld CO

Quote #:

| Execution #:





# HighPoint Operating Corporation

Attention: Mr. Matthew Schwartz | (303) 312-8142 | mschwartz@hpres.com

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

---

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,  
Jason Creel  
Field Engineer I | (307) 256-0306 | jason.creel@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

---

# Cementing Treatment



<b>Start Date</b>	9/8/2018	<b>Well</b>	RSU ANSCHUTZ FED 4-62-11-0108C
<b>End Date</b>	9/9/2018	<b>API#</b>	05-123-46841
<b>Client</b>	HighPoint Operating Corporation	<b>County</b>	WELD
<b>Service Sup.</b>	Hector Montoya	<b>State/Province</b>	CO
<b>District</b>	Cheyenne, WY	<b>Rig</b>	Savanna 803
<b>Type of Job</b>	Long String	<b>Project ID</b>	PRJ1010543
<b>Execution ID</b>	EXC-10786-D9Y2B502		

## WELL GEOMETRY

Type	ID (in)	OD (in)	Wt. (lb/ft)	MD (ft)	TVD (ft)	Excess(%)	Grade	Thread
Previous Casing	6.37	7.00	23.00	6,536.00	6,065.00			
Open Hole	6.13	0.00	0.00	16,750.00	6,065.00	10.00		
Casing	4.00	4.50	11.60	16,742.00	6,065.00		P-110	LTC

Shoe Length (ft): 60.00

## HARDWARE

<b>Top Plug Used?</b>	Yes	<b>Max Casing Pressure - Rated (psi)</b>	4,960.00
<b>Top Plug Provided By</b>	Non BJ	<b>Max Casing Pressure - Operated (psi)</b>	4,960.00
<b>Top Plug Size</b>	4.500	<b>Job Pumped Through</b>	Manifold
<b>Centralizers Used</b>	Yes	<b>Top Connection Thread</b>	LTC
<b>Landing Collar Depth (ft)</b>	16,682	<b>Top Connection Size</b>	4.5

## CIRCULATION PRIOR TO JOB

<b>Well Circulated By</b>	Rig	<b>PV Mud Out</b>	2
<b>Circulation Prior to Job</b>	Yes	<b>YP Mud In</b>	1
<b>Circulation Time (min)</b>	100.00	<b>YP Mud Out</b>	1
<b>Circulation Rate (bpm)</b>	6.00	<b>Solids Present at End of Circulation</b>	No
<b>Circulation Volume (bbls)</b>	600.00	<b>10 sec SGS</b>	1.00
<b>Lost Circulation Prior to Cement Job</b>	No	<b>10 min SGS</b>	1.00
<b>Mud Density In (ppg)</b>	8.80	<b>30 min SGS</b>	0.00
<b>Mud Density Out (ppg)</b>	8.80	<b>Flare Prior to/during the Cement Job</b>	No
<b>PV Mud In</b>	2	<b>Gas Present</b>	No

## TEMPERATURE

<b>Ambient Temperature (°F)</b>	80.00	<b>Slurry Cement Temperature (°F)</b>	75.00
<b>Mix Water Temperature (°F)</b>	70.00	<b>Flow Line Temperature (°F)</b>	72.00

# Cementing Treatment



## 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			3,985.00				20.0000
Tail Slurry	BJCem L50.6.01C	13.5000	1.5929	7.95	5,000.00	11785	780	1,236.0000	220.0000
Displacement Final	Water + Biocide	8.3300			0.00			0.0000	240.2000

Fluid Type	Fluid Name	Component	Concentration	UOM
Spacer / Pre Flush / Flush	IntegraGuard EZ Spacer	SAND, S-8, Silica Flour, 200 Mesh	180.5200	PPB
Spacer / Pre Flush / Flush	IntegraGuard EZ Spacer	GELLANT WATER, GW-86	0.8000	PPB
Tail Slurry	BJCem L50.6.01C	BONDING AGENT, EC-2	3.0000	BWOB
Tail Slurry	BJCem L50.6.01C	RETARDER, SR-20	0.2000	BWOB
Tail Slurry	BJCem L50.6.01C	EXTENDER, BENTONITE	4.0000	BWOB
Tail Slurry	BJCem L50.6.01C	CEMENT, CLASS G	50.0000	PCT
Tail Slurry	BJCem L50.6.01C	FOAM PREVENTER, FP-25	0.3000	BWOB
Tail Slurry	BJCem L50.6.01C	BONDING AGENT, BA-90	3.0000	LBS/SK
Tail Slurry	BJCem L50.6.01C	GELLANT WATER, GW-86	0.1000	BWOB
Tail Slurry	BJCem L50.6.01C	Flyash (Rockies)	50.0000	PCT
Tail Slurry	BJCem L50.6.01C	FLUID LOSS, FL-24	0.4000	BWOB
Displacement Final	Water + Biocide	BIOCIDE, BIOC11139W	0.0100	GPB

## TREATMENT SUMMARY

Fluid	Rate (bpm)	Fluid Vol. (bbls)
IntegraGuard EZ Spacer	5.00	20.00
BJCem L50.6.01C	5.00	220.00
Retarded Water	0.00	20.00
Water + Biocide	5.00	240.20

## DISPLACEMENT AND END OF JOB SUMMARY

Displaced By	BJ Services	Bump Plug Pressure (psi)	2,700.00
Calculated Displacement Volume (bbls)	255.00	Were Returns Planned at Surface	Yes
Actual Displacement Volume (bbls)	255.00	Method Used to Verify Returns	Visual
Did Float Hold?	Yes	Total Volume Pumped (bbls)	510
Bump Plug	Yes	Amount Bled Back After Job	1.50

# EVENT LOG



**Customer Name:** HighPoint Operating Corporation

**Well Name:** RSU ANSCHUTZ FED 4-62-11-0108C

**Job Type:** Long String

**Quote ID:** QUO-18853-D5Y8N6

**Plan ID:** ORD-10786-D9Y2B5

**District:** Cheyenne, WY

**Execution ID:** EXC-10786-D9Y2B502

**BJ Supervisor:** Hector Montoya

Seq.	Start Dt./Time	Event	Density (ppg)	Pump Rate (bpm)	Pump Vol (bbls)	Pipe Pressure (psi)	Comments
7	09/07/2018 12:00	Callout					BJ Crew gets called out
8	09/07/2018 13:00	Safety Meeting					BJ Crew talks about the hazards of driving to location
9	09/07/2018 13:30	Arrive on Location					BJ Crew safely arrives on location
10	09/07/2018 16:00	Safety Meeting					BJ Crew talks about the hazards of spotting equipment and rigging up
11	09/07/2018 16:30	Rig Up					Rig Up as much as possible
12	09/07/2018 19:00	Other (See comment)					Wait on Rig to 4000ft of casing, going about 300ft per hour
13	09/08/2018 22:20	Safety Meeting					BJ Crew and Rig Crew talk about the hazards of pumping the job
14	09/08/2018 22:30	Prime Up					Fill Lines 3bbl
15	09/08/2018 22:35	Pressure Test					Pressure Test to 6000psi
16	09/08/2018 22:39	Pump Spacer	8.3300	4.00	10.00	806.00	Pump 10bbl fresh water
17	09/08/2018 22:48	Pump Spacer	11.0000	4.00	20.00	920.00	Pump 20bbl IntegraGuard EZ Spacer at 11ppg
18	09/08/2018 22:58	Pump Tail Cement	13.5000	5.00	220.00	680.00	Pump 220bbl at 13.5ppg, 780sk B J CemL50.6.01C, 1.5929yield, 7.95gal/sk
19	09/08/2018 23:50	Other (See comment)					Shutdown, wash pumps in line
20	09/09/2018 00:05	Drop Top Plug					Customer witness plug leave
21	09/09/2018 00:07	Pump Displacement	8.3300	6.00	230.00	2,098.00	Pump 255.3bbl displacement
22	09/09/2018 00:46	Pump Displacement	8.3300	3.00	25.00	2,100.00	Slow rate last 20bbl
23	09/09/2018 00:53	Land Plug					Bump Plug at 2100psi, took pressure to 2700psi, held for 3min
24	09/09/2018 00:57	Other (See comment)	8.3300	5.00	5.00	2,700.00	Burst plug at 4126psi, pressure dropped to 2700psi, pumped 5bbl at 5bpm

# EVENT LOG



25	09/09/2018 00:59	Check Floats					Floats Held, got 1.5bbl back to the truck
26	09/09/2018 01:00	Safety Meeting					B Crew talks about the hazards of rigging down
27	09/09/2018 01:10	Rig Down					Rig Down
28	09/09/2018 02:00	Leave Location					BJ Crew leaves location
29	09/09/2018 02:30	Other (See comment)					No cement calculated to surface, TOC 13095, floats held, 1.5bbl back to the truck.



JobMaster Program Version 4.02C1  
Job Number:  
Customer: High Point  
Well Name: RSU Anchutz FED 4-62-11-0108C

