



# HighPoint Operating Corporation

## Intermediate Post Job Report

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RSU Anschutz Fed 4-62-02-4956C

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

Quote #:

Execution #:

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# HighPoint Operating Corporation

Attention: Mr. Matthew Schwartz | (303) 312-8142 | mschwartz@hpres.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,  
Jason Creel  
Field Engineer I | (307) 256-0306 | jason.creel@bjsservices.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



<b>Start Date</b>	8/10/2018	<b>Well</b>	RSU ANSCHUTZ FED 4-62-02-4956C
<b>End Date</b>	8/10/2018	<b>API#</b>	05-123-46840
<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>Execution ID</b>	EXC-09648-X5J2Z602
<b>Type of Job</b>	Intermediate	<b>Project ID</b>	PRJ1009469

## WELL GEOMETRY

Type	ID (in)	OD (in)	Wt. (lb/ft)	MD (ft)	TVD (ft)	Excess(%)	Grade
Previous Casing	8.92	9.63	36.00	830.00	843.00		
Open Hole	8.75	0.00	0.00	6,492.00	6,133.00	20.00	
Casing	6.37	7.00	23.00	6,477.00	6,133.00		J-55

**Shoe Length (ft):** 42.00

## HARDWARE

<b>Bottom Plug Used?</b>	Yes	<b>Centralizers Type</b>	Bow
<b>Bottom Plug Provided By</b>	Rig	<b>Landing Collar Depth (ft)</b>	6,491
<b>Bottom Plug Size</b>	7.000	<b>Job Pumped Through</b>	Manifold
<b>Centralizers Used</b>	Yes	<b>Top Connection Thread</b>	LTC
<b>Centralizers Quantity</b>	13.00	<b>Top Connection Size</b>	7

## CIRCULATION PRIOR TO JOB

<b>Well Circulated By</b>	Rig	<b>PV Mud Out</b>	4
<b>Circulation Prior to Job</b>	Yes	<b>YP Mud In</b>	1
<b>Circulation Time (min)</b>	1.50	<b>YP Mud Out</b>	1
<b>Circulation Rate (bpm)</b>	7.00	<b>Solids Present at End of Circulation</b>	Yes
<b>Lost Circulation Prior to Cement Job</b>	No	<b>10 sec SGS</b>	1.00
<b>Mud Density In (ppg)</b>	1.00	<b>10 min SGS</b>	2.00
<b>Mud Density Out (ppg)</b>	10.00	<b>Flare Prior to/during the Cement Job</b>	No
<b>PV Mud In</b>	4	<b>Gas Present</b>	No

## TEMPERATURE

<b>Ambient Temperature (°F)</b>	70.00	<b>Slurry Cement Temperature (°F)</b>	70.00
<b>Mix Water Temperature (°F)</b>	65.00	<b>Flow Line Temperature (°F)</b>	122.00

# 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			0.00				20.0000
Lead Slurry	BJCem I100.3.01C	12.5000	2.0735	11.83	600.00	4400	400	791.0000	140.8000
Tail Slurry	BJCem I100.6.01C	15.8000	1.1550	4.98	5,000.00	1533	260	286.0000	50.9000
Displacement Final	Water	8.3300			0.00			0.0000	255.6000

Fluid Type	Fluid Name	Component	Concentration	UOM
Spacer / Pre Flush / Flush	IntegraGuard EZ Spacer	SAND, S-8, Silica Flour, 200 Mesh	180.4300	PPB
Spacer / Pre Flush / Flush	IntegraGuard EZ Spacer	SPACER SURFACTANT, SS-247	0.5000	GPB
Spacer / Pre Flush / Flush	IntegraGuard EZ Spacer	RETARDER, SR-20	1.0200	PPB
Spacer / Pre Flush / Flush	IntegraGuard EZ Spacer	GELLANT WATER, GW-86	0.8000	PPB
Lead Slurry	BJCem I100.3.01C	FOAM PREVENTER, FP-25	0.3000	BWOB
Lead Slurry	BJCem I100.3.01C	RETARDER, SR-20	0.4000	BWOB
Lead Slurry	BJCem I100.3.01C	BONDING AGENT, BA-60	0.3000	BWOB
Lead Slurry	BJCem I100.3.01C	FLUID LOSS, FL-24	0.3000	BWOB
Lead Slurry	BJCem I100.3.01C	CEMENT, ASTM TYPE III	100.0000	PCT
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
Tail Slurry	BJCem I100.6.01C	BONDING AGENT, BA-60	0.2000	BWOB
Tail Slurry	BJCem I100.6.01C	RETARDER, R-6	0.1000	BWOB
Tail Slurry	BJCem I100.6.01C	CEMENT, CLASS G	100.0000	PCT

# Cementing Treatment



## TREATMENT SUMMARY

Fluid	Rate (bpm)	Fluid Vol. (bbls)
IntegraGuard EZ Spacer	5.00	20.00
BJCem I100.3.01C	5.00	140.80
BJCem I100.6.01C	5.00	50.90
Water	5.00	255.60

## DISPLACEMENT AND END OF JOB SUMMARY

<b>Displaced By</b>	BJ Services	<b>Cement returns During Job</b>	Full
<b>Calculated Displacement Volume (bbls)</b>	255.00	<b>Method Used to Verify Returns</b>	Visual
<b>Actual Displacement Volume (bbls)</b>	255.00	<b>Amount Bled Back After Job</b>	2.50
<b>Did Float Hold?</b>	Yes	<b>Total Volume Pumped (bbls)</b>	467.30
<b>Bump Plug</b>	Yes	<b>Top Out Cement Spotted</b>	No
<b>Bump Plug Pressure (psi)</b>	2,700.00	<b>Lost Circulation During Cement Job</b>	No
<b>Were Returns Planned at Surface</b>	Yes		

# EVENT LOG



**Customer Name:** HighPoint Operating Corporation

**Well Name:** RSU ANSCHUTZ FED 4-62-02-4956C

**Job Type:** Intermediate

**Quote ID:** QUO-16825-H8H1H2

**Plan ID:** ORD-09648-X5J2Z6

**District:** Cheyenne, WY

**Execution ID:** EXC-09648-X5J2Z602

**BJ Supervisor:** Hector Montoya

Seq.	Start Dt./Time	Event	Density (ppg)	Pump Rate (bpm)	Pump Vol (bbls)	Pipe Pressure (psi)	Comments
1	08/10/2018 01:00	Callout					BJ crew gets called out and requested on location at 4:30
2	08/10/2018 02:20	Safety Meeting					BJ crew talks about the hazards of driving to location
3	08/10/2018 02:40	Other (See comment)					Depart yard
4	08/10/2018 04:30	Arrive on Location					Arrive on location
5	08/10/2018 04:40	Safety Meeting					BJ crew talks about the hazards of spotting in equipment and rigging up
6	08/10/2018 04:55	Rig Up					Rig up
7	08/10/2018 06:00	Safety Meeting					BJ and rig crew talk about the hazard of pumping the job
8	08/10/2018 06:46	Prime Up	8.3300	2.00	3.00	50.00	Pump 3 bbls of water to fill lines
9	08/10/2018 06:48	Pressure Test					Pressure test pumps and lines to 4000 psi
10	08/10/2018 06:52	Pump Spacer	8.3300	2.00	20.00	180.00	Pump 20 bbls of water spacer
11	08/10/2018 07:01	Pump Spacer	11.0000	3.00	20.00	180.00	Pump 20 bbls of spacer 11 ppg
12	08/10/2018 07:05	Pump Lead Cement	12.5000	5.00	147.00	250.00	Mix up and pump 400 sks of BJ Cem L100.3.01.C, lead cement at 12.5 ppg, yield 2.07, 11.83 gal/sk, 147 bbls
13	08/10/2018 07:32	Pump Tail Cement	15.8000	5.00	53.00	320.00	Mix up and pump 260sks of BJ Cem L100.6.01.C, tail cement at 15.8 ppg, yield 1.15, 4.98 gal/sk, 53 bbls
14	08/10/2018 07:45	Other (See comment)					Shutdown line out manifold to drop top plug
15	08/10/2018 07:47	Drop Top Plug					Customer witness plug leave manifold
16	08/10/2018 07:49	Pump Displacement	8.3300	8.00	238.00	1,400.00	Pump 258 bbls of water displacement
17	08/10/2018 08:20	Pump Displacement	8.3300	2.00	20.00	2,000.00	Slow rate the last 20 bbls to 3 bpm

# EVENT LOG

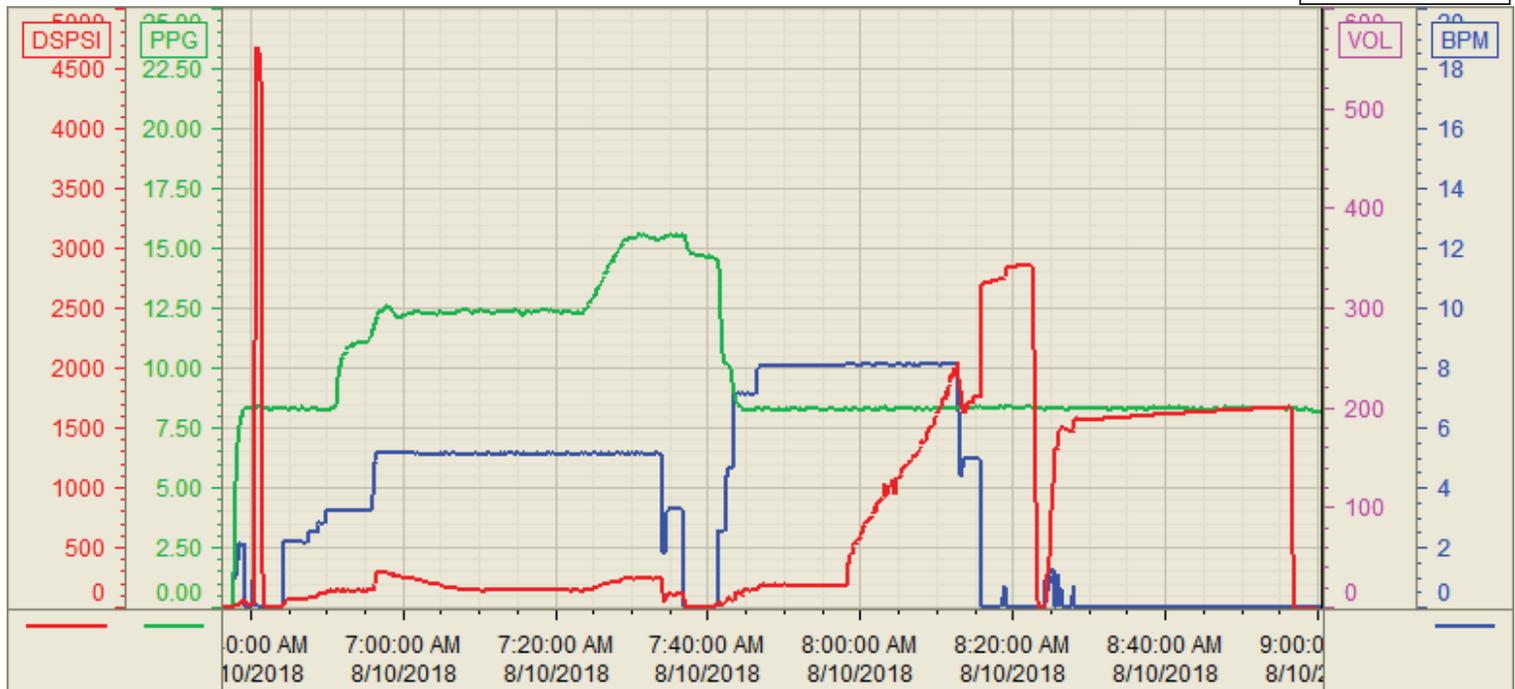


18	08/10/2018 08:25	Land Plug					Bump plug at 2100 psi, took it up to 2700 psi
19	08/10/2018 08:30	Check Floats					Got 2.5 bbls back to the truck
20	08/10/2018 08:34	Pressure Test					Pressure up to 1500 psi for 30 min casing test
21	08/10/2018 09:05	Safety Meeting					Release pressure, BJ crew talked about the hazards of rigging down
22	08/10/2018 09:30	Rig Down					Rig down
23	08/10/2018 10:30	Leave Location					Depart location
24	08/10/2018 10:34	Other (See comment)					Estimated top of tail at 4,492 ft, got 5 bbls of water spacer

Customer: HIGH POINT  
 Well Number: 4-62-02-4956C  
 Lease Info: RSU ANSCHUTZ FED



Print Date/Time  
 8/10/2018 9:19:26 AM



	Name	Y value	X value/time stamp	Tag name Y
1	DS - Press(PSI)	-25.0	8/10/2018 9:00:26 AM	Cementer\DS_DISCHARGE_PRESS_DIAL
2	DH - Density (PPG)	8.21	8/10/2018 9:00:32 AM	Cementer\DENSITY2_ACTUAL_RATE
3	Combined rate (BPM)	0.00	8/10/2018 9:00:32 AM	Cementer\Flow_Combined
4				
5				

Source: Control1 9:19:21 AM