



# Highpoint Operation Corporation

## Production Liner Post Job Report

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Anschutz State 5-62-26-6457CN

S:27 T:5N R:62W Weld CO

Quote #:

11285

I Execution #:

06424

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# Highpoint Operation Corporation

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



<b>Start Date</b>	5/7/18	<b>Well</b>	5-62-26-6457CN ANSCHUTZ STATE
<b>End Date</b>	5/7/18	<b>County</b>	WELD
<b>Client</b>	HighPoint Operating Corporation	<b>State/Province</b>	CO
<b>Client Field Rep</b>	Redd	<b>API</b>	05-123-46082
<b>Service Supervisor</b>	Travis Tolman	<b>Rig</b>	Cade 24
<b>District</b>	Cheyenne, WY	<b>Type of Job</b>	Liner

### WELL GEOMETRY

Type	ID (in)	OD (in)	Wt. (lb/ft)	MD (ft)	TVD (ft)	Excess(%)
Previous Casing	6.37	7.00	23.00	6,793.00		
Open Hole	6.13			16,664.00		10.00
Drill Pipe	3.34	4.00	14.00	5,856.00		
Liner	4.00	4.50	11.60	16,660.00		

### HARDWARE

<b>Top Plug Used?</b>	Yes	<b>Max Casing Pressure - Rated (psi)</b>	10690
<b>Top Plug Provided By</b>	Weatherford	<b>Max Casing Pressure - Operated (psi)</b>	4000
<b>Top Plug Size</b>	4.5"	<b>Pipe Movement</b>	None
<b>Centralizers Used</b>	Yes	<b>Job Pumped Through</b>	Drill pipe
<b>Centralizers Quantity</b>	178	<b>Top Connection Thread</b>	1502
<b>Centralizers Type</b>	Spring	<b>Top Connection Size</b>	2"
<b>Landing Collar Depth (ft)</b>	16,660		

### CIRCULATION PRIOR TO JOB

<b>Well Circulated By</b>	Rig	<b>YP Mud In</b>	3
<b>Circulation Time (min)</b>	60	<b>Solids Present at End of Circulation</b>	No
<b>Circulation Rate (bpm)</b>	5	<b>10 sec SGS</b>	2
<b>Lost Circulation Prior to Cement Job</b>	No	<b>10 min SGS</b>	5
<b>Mud Density In (ppg)</b>	9.1	<b>Flare Prior to/during the Cement Job</b>	No
<b>PV Mud In</b>	6	<b>Gas Present</b>	No

### TEMPERATURE

<b>Ambient Temperature (°F)</b>	75	<b>Flow Line Temperature (°F)</b>	118
<b>Mix Water Temperature (°F)</b>	73		

## 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			4,795.00				20.0000
Tail Slurry	BJCem L50.6.01C	13.5000	1.5930	7.95	5,810.00	10,837.00	710	1,134.0000	201.8000
Displacement 1	Retarded Water	8.3300			15,318.00			0.0000	20.0000
Displacement 2	Retarded Water	8.3300			13,577.00	0.00	0	0.0000	20.0000
Displacement 2	Water + Chems	8.3300			6,589.00	0.00	0	0.0000	140.0000
Displacement Final	Water	8.3300			0.00			0.0000	26.0000

Fluid Type	Fluid Name	Component	Concentration	UOM
Spacer / Pre Flush / Flush	IntegraGuard EZ Spacer	SAND, S-8, Silica Flour, 200 Mesh	179.4000	PPB
Spacer / Pre Flush / Flush	IntegraGuard EZ Spacer	GELLANT WATER, GW-86	0.8000	PPB
Spacer / Pre Flush / Flush	IntegraGuard EZ Spacer	RETARDER, SR-20	0.6000	PPB
Tail Slurry	BJCem L50.6.01C	FLUID LOSS, FL-24	0.4000	BWOB
Tail Slurry	BJCem L50.6.01C	Flyash (Rockies)	50.0000	PCT
Tail Slurry	BJCem L50.6.01C	GELLANT WATER, GW-86	0.1000	BWOB
Tail Slurry	BJCem L50.6.01C	BONDING AGENT, BA-90	3.0000	LBS/SK
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	EXTENDER, BENTONITE	4.0000	BWOB
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
Displacement 1	Retarded Water	RETARDER, R-8L	0.5000	GPB
Displacement 1	Retarded Water	BIOCIDE, BIOC11139W	0.0100	GPB
Displacement 1	Retarded Water	CLAY STABILIZER ResCare CS	0.0800	GPB
Displacement 2	Retarded Water	RETARDER, R-8L	0.5000	GPB
Displacement 2	Water + Chems	BIOCIDE, BIOC11139W	0.0100	GPB
Displacement 2	Water + Chems	CLAY STABILIZER ResCare CS	0.0800	GPB

## Cementing Treatment



### TREATMENT SUMMARY

Fluid	Rate (bpm)	Fluid Vol. (bbls)
IntegraGuard EZ Spacer	5.00	20.00
BJCem L50.6.01C	5.00	201.80
Retarded Water	5.00	20.00
Water + Chems	5.00	140.00
Retarded Water	5.00	20.00
Water	5.00	26.00

### DISPLACEMENT AND END OF JOB SUMMARY

Displaced By	BJ	Amount of Cement Returned/Reversed	25
Calculated Displacement Volume (bbls)	206	Method Used to Verify Returns	Visual
Actual Displacement Volume (bbls)	206	Amount of Spacer to Surface	20
Did Float Hold?	Yes	Amount Bled Back After Job	1
Bump Plug	Yes	Total Volume Pumped (bbls)	612
Bump Plug Pressure (psi)	2351	Top Out Cement Spotted	No
Were Returns Planned at Surface	Yes	Lost Circulation During Cement Job	No
Cement returns During Job	Yes		

## Event Log



Customer Name: HighPoint Operating Corporation  
 Well Name: ANSCHUTZ STATE 5-62-26-6457CN  
 Job Type: Liner  
 TMD (ft): \_\_\_\_\_

District: Cheyenne, WY  
 Field Leader: Travis Tolman  
 Quote ID: QUO-11285-G3T0B7  
 Plan ID: ORD-06424-X8G4T4  
 Execution ID: EXC-06424-X8G4T402

Start Dt./Time	Event	Density (ppg)	Pump Rate (bpm)	Pump Vol (bbls)	Pipe Pressure (psi)	Comments
05/07/2018 13:30	Callout					Crew called in for RTS of 1930
05/07/2018 15:15	Other (See comment)					Crew left yard for location
05/07/2018 17:54	Arrive on Location					Crew arrived on location, rig ready. Met with company to discuss job and safety. got numbers from tool hand
05/07/2018 17:55	Spot Units					Spotted equipment
05/07/2018 18:00	Safety Meeting					Held safety meeting with crew to discuss rig up and safety
05/07/2018 18:15	Rig Up					Rigged up from trucks to rig floor
05/07/2018 18:50	Safety Meeting					Held safety meeting with company man, rig hands and tool hand to discuss job and safety
05/07/2018 19:17	Start Pumping	8.3000	2.60	5.00	500.00	Loaded pump and lines.
05/07/2018 19:21	Pressure Test	8.3000			5,700.00	Pressure test, did not hold well, leaking by valve
05/07/2018 19:30	Pump Spacer	11.0000	4.00	20.00	982.00	Pumped Spacer 11#-3.11Y-18.74gps
05/07/2018 19:37	Pump Lead Cement	13.5000	4.80	201.00	1,034.00	Pumped CMT at 13.5#-1.59Y-7.95gps
05/07/2018 20:27	End Pumping					Shut down, switched valves for wash up.
05/07/2018 20:30	Clean Pumps and Lines	8.3000				Clean pump and lines
05/07/2018 20:33	Drop Top Plug					Tool hand dropped dart for plug
05/07/2018 20:37	Pump Displacement	8.3000	4.80	30.00	1,710.00	Pumped displacement
05/07/2018 20:45	Other (See comment)	8.3000	3.00	10.00	1,800.00	Slowed rate to pick up plug, 40 away
05/07/2018 20:46	Pump Displacement	8.3000	4.80	150.00	2,301.00	Pumped displacement
05/07/2018 21:18	Other (See comment)	8.3000	3.60	16.00	1,953.00	Slowed rate to land plug
05/07/2018 21:22	Land Plug					Land plug at 2351psi
05/07/2018 21:24	Other (See comment)	8.3000	4.80	5.00	3,187.00	Pressured up to burst plug, pump 5bbl wet shoe.
05/07/2018 21:26	Check Floats					Checked float, held good, 1bbl back
05/07/2018 21:42	Pressure Test	8.3000			2,016.00	Switched valves for backside and pressured up for test.
05/07/2018 21:55	Other (See comment)					Bleed off backside and switched to drill pipe
05/07/2018 22:01	Start Pumping	8.3000	7.20	180.00	2,100.00	Pressured up and started to roll the hole clean. Got spacer at 80 away and cement at 100 away. 25bbls of cement to surface
05/07/2018 22:30	End Pumping					Shut down when company man said we are clean.
05/07/2018 22:35	Safety Meeting					Held safety meeting with crew to discuss rig down and safety.
05/07/2018 22:40	Rig Down					Rigged down from rig floor to trucks
05/07/2018 23:00	Leave Location					Crew ready to leave location



**JobMaster Program Version 4.02C1**  
**Job Number: 5242**  
**Customer: High Point**  
**Well Name: Anschultz State 5-62-26-6457CN**

