



HighPoint Operating Corporation

Intermediate Post Job Report

RSU Anschutz Fed 4-62-11-0108C

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

Quote #:

I 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



| | | | |
|---------------------|---------------------------------|-----------------------|--------------------------------|
| Start Date | 9/2/2018 | Field Ticket# | FT-10661-V1F1X00202-20114 |
| End Date | 9/3/2018 | Well | RSU ANSCHUTZ FED 4-62-11-0108C |
| Client | HighPoint Operating Corporation | API# | 05-123-46841 |
| Service Sup. | Hector Montoya | County | WELD |
| District | Cheyenne, WY | State/Province | CO |
| Type of Job | Intermediate | Project ID | PRJ1010420 |
| Execution ID | EXC-10661-V1F1X002 | | |

WELL GEOMETRY

| Type | ID (in) | OD (in) | Wt. (lb/ft) | MD (ft) | TVD (ft) | Excess(%) | Grade |
|-----------------|---------|---------|-------------|----------|----------|-----------|-------|
| Previous Casing | 8.92 | 9.63 | 36.00 | 834.00 | 834.00 | | |
| Open Hole | 8.75 | 0.00 | 0.00 | 6,556.00 | 6,138.00 | 25.00 | |
| Casing | 6.37 | 7.00 | 23.00 | 6,536.00 | 6,138.00 | | J-55 |

Shoe Length (ft): 20.00

HARDWARE

| | | | |
|------------------------------|--------|---|----------|
| Top Plug Used? | Yes | Landing Collar Depth (ft) | 6,516 |
| Top Plug Provided By | Non BJ | Max Casing Pressure - Rated (psi) | 7,500.00 |
| Top Plug Size | 7.000 | Max Casing Pressure - Operated (psi) | 7,500.00 |
| Centralizers Used | Yes | Job Pumped Through | Manifold |
| Centralizers Quantity | 12.00 | Top Connection Size | 7 |
| Centralizers Type | Bow | | |

CIRCULATION PRIOR TO JOB

| | | | |
|---|--------|---|------|
| Well Circulated By | Rig | PV Mud Out | 6 |
| Circulation Prior to Job | Yes | YP Mud In | 1 |
| Circulation Time (min) | 50.00 | YP Mud Out | 1 |
| Circulation Rate (bpm) | 7.00 | Solids Present at End of Circulation | No |
| Circulation Volume (bbls) | 350.00 | 10 sec SGS | 2.00 |
| Lost Circulation Prior to Cement Job | No | 10 min SGS | 3.00 |
| Mud Density In (ppg) | 9.30 | Flare Prior to/during the Cement Job | No |
| Mud Density Out (ppg) | 9.30 | Gas Present | No |
| PV Mud In | 6 | | |

TEMPERATURE

| | | | |
|-----------------------------------|-------|---------------------------------------|-------|
| Ambient Temperature (°F) | 75.00 | Slurry Cement Temperature (°F) | 70.00 |
| Mix Water Temperature (°F) | 65.00 | Flow Line Temperature (°F) | 80.00 |

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 | 410 | 822.0000 | 146.4000 |
| Tail Slurry | BJCem I100.6.01C | 15.8000 | 1.1550 | 4.98 | 5,000.00 | 1540 | 260 | 299.0000 | 53.2000 |
| Displacement Final | Water | 8.3300 | | | 0.00 | | | 0.0000 | 257.0000 |

| Fluid Type | Fluid Name | Component | Concentration | UOM |
|----------------------------|------------------------|-----------------------------------|---------------|------|
| Spacer / Pre Flush / Flush | IntegraGuard EZ Spacer | SPACER SURFACTANT, SS-247 | 0.5000 | GPB |
| Spacer / Pre Flush / Flush | IntegraGuard EZ Spacer | SAND, S-8, Silica Flour, 200 Mesh | 180.4300 | 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 | 1.0200 | PPB |
| 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 | 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 | FOAM PREVENTER, FP-25 | 0.3000 | BWOB |
| Tail Slurry | BJCem I100.6.01C | FLUID LOSS, FL-24 | 0.2000 | BWOB |
| Tail Slurry | BJCem I100.6.01C | CEMENT, CLASS G | 100.0000 | PCT |
| 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 | DISPERSANT, CD-31 | 0.2000 | BWOB |
| Tail Slurry | BJCem I100.6.01C | RETARDER, R-6 | 0.1000 | BWOB |

TREATMENT SUMMARY

| Fluid | Rate (bpm) | Fluid Vol. (bbls) |
|------------------------|------------|-------------------|
| IntegraGuard EZ Spacer | 5.00 | 20.00 |
| BJCem I100.3.01C | 5.00 | 146.40 |
| BJCem I100.6.01C | 5.00 | 53.20 |
| Water | 5.00 | 257.00 |

Cementing Treatment



DISPLACEMENT AND END OF JOB SUMMARY

| | | | |
|---------------------------------------|-------------|------------------------------------|--------|
| Displaced By | BJ Services | Amount of Cement Returned/Reversed | 5.00 |
| Calculated Displacement Volume (bbls) | 257.00 | Method Used to Verify Returns | Visual |
| Actual Displacement Volume (bbls) | 257.00 | Amount of Spacer to Surface | 20.00 |
| Did Float Hold? | Yes | Amount Bled Back After Job | 2.50 |
| Bump Plug | Yes | Total Volume Pumped (bbls) | 501.00 |
| Bump Plug Pressure (psi) | 2,400.00 | Top Out Cement Spotted | No |
| Were Returns Planned at Surface | Yes | Lost Circulation During Cement Job | No |
| Cement returns During Job | Partial | | |

EVENT LOG



Customer Name: HighPoint Operating Corporation

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

Job Type: Intermediate

Quote ID: QUO-18698-M8W2J3

Plan ID: ORD-10661-V1F1X0

District: Cheyenne, WY

Execution ID: EXC-10661-V1F1X002

BJ Supervisor: Hector Montoya

| Seq. | Start Dt./Time | Event | Density (ppg) | Pump Rate (bpm) | Pump Vol (bbls) | Pipe Pressure (psi) | Comments |
|------|------------------|---------------------|---------------|-----------------|-----------------|---------------------|--|
| 1 | 09/02/2018 19:30 | Callout | | | | | BJ Crew gets called out |
| 2 | 09/02/2018 21:00 | Safety Meeting | | | | | BJ Crew talks about the hazards of driving to location |
| 3 | 09/03/2018 00:00 | Arrive on Location | | | | | BJ Crew arrives on location |
| 4 | 09/03/2018 00:30 | Safety Meeting | | | | | BJ Crew talks about the hazards of spotting equipment and rigging up |
| 5 | 09/03/2018 00:40 | Rig Up | | | | | Rig Up |
| 6 | 09/03/2018 01:50 | Safety Meeting | | | | | BJ Crew and Rig Crew talk about the hazards of pumping the job |
| 7 | 09/03/2018 02:10 | Prime Up | 8.3300 | 2.00 | 3.00 | 60.00 | Fill Lines 3bbl |
| 8 | 09/03/2018 02:13 | Pressure Test | | | | | Pressure Test to 3000psi |
| 9 | 09/03/2018 02:16 | Pump Spacer | 8.3300 | 3.00 | 20.00 | 140.00 | Pump 20bbl Water |
| 10 | 09/03/2018 02:26 | Pump Spacer | 11.0000 | 4.00 | 20.00 | 150.00 | Pump 20bbl Spacer at 11ppg with surfactants |
| 11 | 09/03/2018 02:35 | Pump Lead Cement | 12.5000 | 6.00 | 151.00 | 520.00 | Pump BJCem I100.3.01C Lead cement 410sks, 151bbl at 12.5ppg, yield 2.0735, 11.83Gal/Sk |
| 12 | 09/03/2018 03:04 | Pump Tail Cement | 15.8000 | 5.00 | 53.00 | 250.00 | Pump BJCem I100.6.01C Tail cement 260sks, 53bbl at 15.8ppg, yield 1.1550, 4.98Gal/Sk |
| 13 | 09/03/2018 03:23 | Other (See comment) | | | | | Shutdown, washtub and clean lines |
| 14 | 09/03/2018 03:29 | Drop Top Plug | | | | | Customer Witnesses plug leave manifold |
| 15 | 09/03/2018 03:31 | Pump Displacement | 8.3300 | 7.00 | 247.00 | 1,200.00 | Pump 257bbl Displacement |
| 16 | 09/03/2018 04:00 | Pump Displacement | 0.3300 | 3.00 | 10.00 | 2,400.00 | Slow rate last 10bbl to 3bpm |

EVENT LOG



| | | | | | | | |
|----|---------------------|---------------------|--|--|--|--|---|
| 17 | 09/03/2018 04:10 | Land Plug | | | | | Bump Plug, final circulating pressure was 1700psi took to 2400psi per customer to make sure we landed |
| 18 | 09/03/2018 04:12 | Check Floats | | | | | Floats held, 2.5bbl back to the truck |
| 19 | 09/03/2018 04:16 | Other (See comment) | | | | | Casing Test 1500psi for 30min. |
| 20 | 09/03/2018 04:50 | Safety Meeting | | | | | BJ Crew talks about the hazards of rigging down |
| 21 | 09/03/2018 04:56 | Rig Down | | | | | Rig Down |
| 22 | 09/03/2018 05:46 | Safety Meeting | | | | | BJ Crew conducts AAR and talks about the hazards of leaving location |
| 23 | 09/03/2018 06:15 | Leave Location | | | | | Depart Location |
| 24 | 09/03/2018 06:17 | Other (See comment) | | | | | 5bbl Cement to Surface, 20bbl Spacer to Surface, 2.5bbl back to the truck when checking floats |



JobMaster Program Version 4.02C1
Job Number: 9020
Customer: High Point
Well Name: RSU Anschutz FED 4-62-11-0108C

