



HighPoint Operating Corporation

SIEBRING 63-32-2525BN

API # 05-123-50651

Production

February 25, 2020

Quote #: QUO-42802-D5S1B6

Execution #: EXC-24819-N1P3D802



HighPoint Operating Corporation

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

HighPoint Operating 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) 365-9038 | jason.creel@bjservices.com

Field Office 1716 East Allison Rd., Cheyenne WY, 82007
Phone: (307) 459-6487

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

BJ Cementing Treatment Report

| | | | |
|--------------------|--------------|------------------|----------|
| SERVICE SUPERVISOR | Chad Johnson | FORMATION | NIOBRARA |
| DISTRICT | Cheyenne, WY | RIG | Cade 23 |
| SERVICE | Cementing | COUNTY | WELD |
| | | STATE / PROVINCE | CO |

WELL GEOMETRY

| TYPE | ID (in) | OD (in) | WEIGHT (lb/ft) | MD (ft) | TVD (ft) | EXCESS (%) |
|-----------------|---------|---------|----------------|-----------|----------|------------|
| Casing | 4.00 | 4.50 | 11.60 | 12,281.00 | 6,370.00 | |
| Previous Casing | 8.92 | 9.63 | 36.00 | 1,575.00 | 1,575.00 | |
| Open Hole | 6.13 | 0.00 | 0.00 | 12,288.00 | 6,370.00 | 15.00 |

HARDWARE

| | | | |
|-----------------------|--------|---------------------------|----------|
| Bottom Plug Used? | No | Centralizers Type | Rigid |
| Top Plug Used? | Yes | Landing Collar Depth (ft) | 12,268 |
| Top Plug Provided By | Non BJ | Pipe Movement | None |
| Top Plug Size | 4.500 | Job Pumped Through | Manifold |
| Centralizers Used | Yes | Top Connection Thread | LTC |
| Centralizers Quantity | 101.00 | Top Connection Size | 4.5 |

CIRCULATION PRIOR TO JOB

| | | | |
|--------------------------------------|--------|--|------|
| Well Circulated By | Rig | Mud Density In (ppg) | 9.90 |
| Circulation Prior to Job | Yes | Mud Density Out (ppg) | 9.90 |
| Circulation Time (min) | 60.00 | Solids Present at End of Circulation | No |
| Circulation Rate (bpm) | 7.00 | Flare Prior to / during the Cement Job | No |
| Circulation Volume (bbls) | 420.00 | Gas Present | No |
| Lost Circulation Prior to Cement Job | No | | |

TEMPERATURE

| | | | |
|--------------------------|-------|----------------------------|-------|
| Ambient Temperature (°F) | 32.00 | Mix Water Temperature (°F) | 70.00 |
|--------------------------|-------|----------------------------|-------|

FLUID DETAILS

| FLUID TYPE | FLUID NAME | DENSITY (ppg) | YIELD (Cu Ft/sk) | H ₂ O REQ (gals/sk) | PLN TOP FLD (ft) | LENGTH (ft) | VOL (sk) | VOL (Cu Ft) | VOL (bbls) |
|----------------------------|------------------|---------------|------------------|--------------------------------|------------------|-------------|----------|-------------|------------|
| Spacer / Pre Flush / Flush | Fresh Water | 8.3300 | | | 1,442.00 | | | | 40.0000 |
| Lead Slurry | BJCem P100.3.01C | 12.5000 | 2.1547 | 12.23 | 3,500.00 | 2,223.00 | 115 | 248.0000 | 44.1000 |
| Tail Slurry | BJCem P50.6.02C | 13.5000 | 1.4772 | 7.45 | 5,723.00 | 6,541.00 | 480 | 709.0000 | 126.2000 |
| Displacement 2 | Retarded Water | 8.3337 | | | 13,244.00 | 0.00 | 0 | 0.0000 | 20.0000 |
| Displacement Final | Water + Chems | 8.3308 | | | 0.00 | | | 0.0000 | 170.5000 |

| FLUID TYPE | FLUID NAME | COMPONENT | CONCENTRATION | UOM |
|--------------------|------------------|-----------------------------|---------------|--------|
| Lead Slurry | BJCem P100.3.01C | IntegraGuard GW-86 | 0.2000 | BWOB |
| Lead Slurry | BJCem P100.3.01C | CEMENT, ASTM TYPE III | 100.0000 | PCT |
| Lead Slurry | BJCem P100.3.01C | IntegraSeal POLI | 0.1300 | LBS/SK |
| Lead Slurry | BJCem P100.3.01C | BONDING AGENT, BA-60 | 0.4000 | BWOB |
| Lead Slurry | BJCem P100.3.01C | RETARDER, SR-20 | 0.5000 | BWOB |
| Lead Slurry | BJCem P100.3.01C | FLUID LOSS, FL-24 | 0.3000 | BWOB |
| Lead Slurry | BJCem P100.3.01C | EXTENDER, BENTONITE | 4.0000 | BWOB |
| Lead Slurry | BJCem P100.3.01C | FOAM PREVENTER, FP-25 | 0.3000 | BWOB |
| Tail Slurry | BJCem P50.6.02C | FOAM PREVENTER, FP-25 | 0.3000 | BWOB |
| Tail Slurry | BJCem P50.6.02C | RETARDER, SR-20 | 0.0700 | BWOB |
| Tail Slurry | BJCem P50.6.02C | CEMENT, CLASS G | 50.0000 | PCT |
| Tail Slurry | BJCem P50.6.02C | FLUID LOSS, FL-66 | 0.2000 | BWOB |
| Tail Slurry | BJCem P50.6.02C | EXTENDER, BENTONITE | 2.0000 | BWOB |
| Tail Slurry | BJCem P50.6.02C | IntegraGuard GW-86 | 0.1000 | BWOB |
| Tail Slurry | BJCem P50.6.02C | CEMENT, FLY ASH (ROCKIES) | 50.0000 | PCT |
| Displacement 2 | Retarded Water | RETARDER, SR-61L | 0.1000 | GPB |
| Displacement Final | Water + Chems | OXYGEN SCAVENGER, OS-30 | 0.1680 | GPB |
| Displacement Final | Water + Chems | BIOCIDE, BIOC11139W | 0.0210 | GPB |
| Displacement Final | Water + Chems | CORROSION INHIBITORS, CI-27 | 0.2100 | GPB |

DISPLACEMENT AND END OF JOB SUMMARY

| | | | |
|------------------------------------|---------|------------------------------------|--------|
| Displaced By | BJ | Amt of Cement Returned / Reversed | 0.00 |
| Calculated Displacement Vol (bbls) | 190.00 | Method Used to Verify Returns | Visual |
| Actual Displacement Vol (bbls) | 191.50 | Amt of Spacer to Surface | 0.00 |
| Did Float Hold? | Yes | Pressure Left on Casing (psi) | 0.00 |
| Bump Plug | Yes | Amt Bled Back After Job | 0.50 |
| Bump Plug Pressure (psi) | 1200.00 | Total Volume Pumped (bbls) | 405.00 |
| Were Returns Planned at Surface | No | Top Out Cement Spotted | No |
| Cement Returns During Job | None | Lost Circulation During Cement Job | No |

BJ Cementing Event Log

Long String - Cheyenne, WY - Chad Johnson

| SEQ | START DATE / TIME | EVENT | DENSITY (ppg) | PUMP RATE (bpm) | PUMP VOL (bbls) | PIPE PRESSURE (psi) | COMMENTS |
|-----|-------------------|----------------------|---------------|-----------------|-----------------|---------------------|---|
| 1 | 02/25/2020 06:30 | Callout | | | | | Crew called out requested on location for 1300 |
| 2 | 02/25/2020 12:00 | Arrive on Location | | | | | Crew arrived on location |
| 3 | 02/25/2020 12:05 | STEACS Briefing | | | | | Safety meeting |
| 4 | 02/25/2020 12:20 | Spot Units | | | | | Spotted all units |
| 5 | 02/25/2020 12:30 | Rig Up | | | | | Rigged up all equipment |
| 6 | 02/25/2020 13:30 | Client | | | | | Waiting on rig to finish running casing and circulate the well |
| 7 | 02/25/2020 16:45 | STEACS Briefing | | | | | Safety meeting |
| 8 | 02/25/2020 17:08 | Prime Up | 8.3300 | 3.00 | 5.00 | 1000.00 | Fill lines |
| 9 | 02/25/2020 17:12 | Pressure Test | | | | | Pressure test lines to 5000 psi |
| 10 | 02/25/2020 17:14 | Pump Spacer | 8.3300 | 6.00 | 40.00 | 1200.00 | Pump water spacer |
| 11 | 02/25/2020 17:23 | Pump Lead Cement | 12.5000 | 6.00 | 44.00 | 1000.00 | Pump lead cement (115 sks, 2.15 Y, 12.23 gal/sk) |
| 12 | 02/25/2020 17:32 | Pump Tail Cement | 13.5000 | 6.00 | 127.00 | 500.00 | Pump tail cement (480 sks, 1.48 Y, 7.45 gal/sk) |
| 13 | 02/25/2020 18:00 | Other (See comment) | | | | | Shutdown |
| 14 | 02/25/2020 18:04 | Wash Pumps and Lines | | | | | Wash pumps and lines to pit |
| 15 | 02/25/2020 18:11 | Drop Top Plug | | | | | Drop top plug |
| 16 | 02/25/2020 18:12 | Pump Displacement | 8.3300 | 6.00 | 170.00 | 1800.00 | Pump displacement |
| 17 | 02/25/2020 18:47 | Other (See comment) | 8.3300 | 3.00 | 20.00 | 1200.00 | Slow rate |
| 18 | 02/25/2020 18:51 | Land Plug | | | | | Land plug at 1200 psi, took to 1900 psi. Shutdown, Pressure up tp 3100 psi to shift wet shoe sub, pump 1.5 bbls |
| 19 | 02/25/2020 18:56 | Check Floats | | | | | Check floats, floats holding, 0.5 bbls back |
| 20 | 02/25/2020 19:00 | STEACS Briefing | | | | | Safety meeting |
| 21 | 02/25/2020 19:15 | Rig Down | | | | | Rigged down all equipment |
| 22 | 02/25/2020 20:30 | Leave Location | | | | | Crew departed location |

Client: HighPoint Operating Corporation

Well Name / API: SIEBRING #63-32-2525BN
/ 05-123-50651

Well 12288
MD:



Quote #: QUO-42802-D5S1B6

Plan #: ORD-24819-N1P3D8

Execution #: EXC-24819-N1P3D802



JobMaster Program Version 5.00C1

Job Number:

Customer: HighPoint Operating

Well Name: Siebring 63-32-2525BN

