



Bonanza Creek Energy

Surface Post-Job Report

North Platte F21-J24-28HNB

S:21 T:5N R:63W Weld, CO

Quote #:

| Execution #:



Bonanza Creek Energy, Inc.

Attn: Adam Conry | (720) 225-6663 | aconry@bonanzacrk.com

Bonanza Creek Energy, Inc. | 410 17th St. Ste 1400 | Denver, CO 80202

Dear Mr. Conry,

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,
Karl Griesser
Field Engineer I | (713) 829-7498 | karl.griesser@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

Cementing Treatment



Start Date 9/7/2018 **Field Ticket#** FT-10787-M8N9X20201-1769949138
End Date 9/7/2018 **Well** NORTH PLATTE F21-J24-28HNB
Client BONANZA CREEK ENERGY **API#** 05-123-47011
Service Sup. Anthony Staples
District Cheyenne, WY **County** WELD
Type of Job Surface **State/Province** CO
Execution ID EXC-10787-M8N9X202
Project ID PRJ1010522

WELL GEOMETRY

| Type | ID (in) | OD (in) | Wt. (lb/ft) | MD (ft) | TVD (ft) | Excess(%) |
|-----------|---------|---------|-------------|----------|----------|-----------|
| Open Hole | 13.50 | 0.00 | 0.00 | 1,612.00 | 1,612.00 | 30.00 |
| Casing | 8.92 | 9.63 | 36.00 | 1,602.00 | 1,602.00 | |

Shoe Length (ft): 42.00

HARDWARE

Bottom Plug Used? No **Tool Depth (ft)** 1,560.00
Top Plug Used? Yes **Max Casing Pressure - Rated (psi)** 2,816.00
Top Plug Provided By Non BJ **Max Casing Pressure - Operated (psi)** 1,500.00
Top Plug Size 9.625 **Pipe Movement** None
Centralizers Quantity 16.00 **Job Pumped Through** Manifold
Centralizers Type Bow **Top Connection Thread** 8RND
Landing Collar Depth (ft) 1,560 **Top Connection Size** 9.625
Tool Type Float Collar

CIRCULATION PRIOR TO JOB

Well Circulated By Rig **Mud Density In (ppg)** 8.50
Circulation Prior to Job Yes **Mud Density Out (ppg)** 8.50
Circulation Time (min) 60.00
Circulation Rate (bpm) 10.00 **Solids Present at End of Circulation** No
Circulation Volume (bbls) 600.00 **Flare Prior to/during the Cement Job** No
Lost Circulation Prior to Cement Job No **Gas Present** No

Cementing Treatment



TEMPERATURE

| | | | |
|----------------------------|-------|--------------------------------|-------|
| Ambient Temperature (°F) | 60.00 | Slurry Cement Temperature (°F) | 65.00 |
| Mix Water Temperature (°F) | 65.00 | | |

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 | Water (Pre-flush) | 8.3308 | | | 0.00 | | | | 20.0000 |
| Tail Slurry | BJCem S100.3.XC | 14.5000 | 1.3901 | 6.78 | 0.00 | 1650 | 766 | 1,066.0000 | 189.8000 |
| Displacement Final | Water | 8.3300 | | | 0.00 | | | 0.0000 | 117.3000 |

| Fluid Type | Fluid Name | Component | Concentration | UOM |
|-------------|-----------------|------------------------|---------------|---------|
| Tail Slurry | BJCem S100.3.XC | CEMENT, ASTM TYPE III | 100.0000 | PCT |
| Tail Slurry | BJCem S100.3.XC | FOAM PREVENTER, FP-13L | 0.0300 | GALS/SK |

TREATMENT SUMMARY

| Fluid | Rate (bpm) | Fluid Vol. (bbls) | Pipe Pressure (psi) |
|-------------------|------------|-------------------|---------------------|
| Water (Pre-flush) | 5.00 | 20.00 | 120 |
| BJCem S100.3.XC | 5.00 | 189.80 | 280 |
| Water | 0.00 | 117.30 | 800 |

DISPLACEMENT AND END OF JOB SUMMARY

| | | | |
|---------------------------------------|----------|------------------------------------|--------|
| Displaced By | BJ | Amount of Cement Returned/Reversed | 42.00 |
| Calculated Displacement Volume (bbls) | 117.30 | Method Used to Verify Returns | Visual |
| Actual Displacement Volume (bbls) | 117.30 | Amount of Spacer to Surface | 20.00 |
| Did Float Hold? | Yes | Pressure Left on Casing (psi) | 0.00 |
| Bump Plug | Yes | Amount Bled Back After Job | 0.50 |
| Bump Plug Pressure (psi) | 1,200.00 | Total Volume Pumped (bbls) | 327.00 |
| Were Returns Planned at Surface | Yes | Top Out Cement Spotted | No |
| Cement returns During Job | Full | Lost Circulation During Cement Job | No |

EVENT LOG



Customer Name: BONANZA CREEK ENERGY

Well Name: NORTH PLATTE F21-J24-28HNB

Job Type: Surface

Quote ID: QUO-18516-L1F6S4

Plan ID: ORD-10787-M8N9X2

District: Cheyenne, WY

Execution ID: EXC-10787-M8N9X202

BJ Supervisor: Anthony Staples

| Seq. | Start Dt./Time | Event | Density (ppg) | Pump Rate (bpm) | Pump Vol(bbls) | Pipe Pressure(psi) | Comments |
|------|---------------------|-----------------------|---------------|-----------------|----------------|--------------------|--|
| 1 | 09/07/2018 03:00 | Callout | | | | | Customer Called to Have a Crew by 09:00 |
| 2 | 09/07/2018 04:00 | Callout | | | | | Getting Equipment Ready, Head to Location |
| 3 | 09/07/2018 06:00 | Arrive on Location | | | | | Rig Pulling Drill Pipe |
| 4 | 09/07/2018 08:00 | Spot Units | | | | | All Trucks Spotted In |
| 5 | 09/07/2018 08:30 | Safety Meeting | | | | | Held STEACS With Crew Assigned Task |
| 6 | 09/07/2018 09:00 | Rig Up | | | | | Ground Rig Up Complete |
| 7 | 09/07/2018 10:00 | Other (See comment) | | | | | Waiting for Casing To Be Run |
| 8 | 09/07/2018 12:50 | Safety Meeting | | | | | Pre-Job STEACS |
| 9 | 09/07/2018 13:00 | Rig Up | | | | | Stabbed Head, Lifted Floor Equipment |
| 10 | 09/07/2018 13:15 | Pressure Test | 8.3400 | | | 3,557.00 | Conducted Pressure Test |
| 11 | 09/07/2018 13:20 | Pump Spacer | 8.3400 | 3.50 | 20.00 | 120.00 | H2O Spacer + Dye |
| 12 | 09/07/2018 13:33 | Pump Tail Cement | 14.5000 | 4.80 | 190.00 | 280.00 | Batch, Weighed, and Pumped 766 Skts Of 14.5# CMT (189.6Bbls) |
| 13 | 09/07/2018 14:26 | Clean Pumps and Lines | | | | | Washed Up Mixing Tub |
| 14 | 09/07/2018 14:35 | Drop Top Plug | 8.3400 | | | | Plug Away and Verified by Customer |
| 15 | 09/07/2018 14:36 | Pump Displacement | 8.3400 | 7.20 | 100.00 | 800.00 | 100 Bbls into Displacement, Dropping Rate |
| 16 | 09/07/2018 14:50 | Pump Displacement | 8.3400 | 5.80 | 10.00 | 710.00 | 110 Bbls into Displacement, Dropping Rate |
| 17 | 09/07/2018 14:53 | Pump Displacement | 8.3400 | 2.50 | 7.00 | 625.00 | |

EVENT LOG



| | | | | | | | |
|----|---------------------|---------------------|--------|--|--|----------|--|
| 18 | 09/07/2018 14:57 | Land Plug | | | | 1,168.00 | Plug Landed 117 Bbls Into Displacement, 42 Bbls CMT to Surface |
| 19 | 09/07/2018 14:58 | Check Floats | 8.3400 | | | | Check Floats, .5 Bbls Back |
| 20 | 09/07/2018 15:00 | Other (See comment) | 8.3400 | | | 520.00 | 15 min Casing Test |
| 21 | 09/07/2018 15:15 | Safety Meeting | | | | | Rig Down STEACS |
| 22 | 09/07/2018 15:25 | Rig Down | | | | | Rig Down |
| 23 | 09/07/2018 15:55 | Leave Location | | | | | |



JobMaster Program Version 4.02C1
Job Number: 9132
Customer: Bonanza Creek
Well Name: North Platte F21-J24-28HNB

