



Bonanza Creek Energy

WETCO FARMS A11-4-9MRLNB

API # 05-123-47807

Surface

10/25/2018

Quote #: 21321

Execution #: 12265



Bonanza Creek Energy

Attention: Mr. Adam Conry | (303) 883.3351 | AConry@bonanzacrk.com

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

Dear Mr. Adam 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,

Gage Putnam

Field Engineer I | (307) 887-4243 | Gage.Putnam@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 | 10/25/2018 | Well | WETCO FARMS A11-4-9MRLNB |
| End Date | 10/25/2018 | API# | 05-123-47807 |
| Client | Bonanza Creek Energy | County | WELD |
| Service Sup. | Brian Boyd | State/Province | CO |
| District | Cheyenne, WY | Rig | Akita 520 |
| Execution ID | EXC-12265-V5G4S502 | Project ID | PRJ1011901 |

WELL GEOMETRY

| Type | ID (in) | OD (in) | Wt. (lb/ft) | MD (ft) | TVD (ft) | Excess(%) |
|-----------|---------|---------|-------------|----------|----------|-----------|
| Open Hole | 13.50 | 0.00 | 0.00 | 1,610.00 | 1,610.00 | 30.00 |
| Casing | 8.92 | 9.63 | 36.00 | 1,600.00 | 1,600.00 | |

Shoe Length (ft): 42.00

HARDWARE

| | | | |
|----------------------------------|--------|---|--------------|
| Bottom Plug Used? | No | Tool Type | Float Collar |
| Top Plug Used? | Yes | Tool Depth (ft) | 1,557.00 |
| Top Plug Provided By | Non BJ | | |
| Top Plug Size | 9.625 | Max Casing Pressure - Rated (psi) | 3,512.00 |
| Centralizers Used | Yes | Max Casing Pressure - Operated (psi) | 2,012.00 |
| Centralizers Quantity | 13.00 | Pipe Movement | None |
| Centralizers Type | Rigid | Job Pumped Through | Manifold |
| Landing Collar Depth (ft) | 1,557 | Top Connection Thread | LTC |
| | | Top Connection Size | 9.625 |

CIRCULATION PRIOR TO JOB

| | | | |
|---|--------|---|------|
| Well Circulated By | Rig | Solids Present at End of Circulation | No |
| Circulation Prior to Job | Yes | 10 sec SGS | 1.00 |
| Circulation Time (min) | 60.00 | 10 min SGS | 1.00 |
| Circulation Rate (bpm) | 5.00 | Flare Prior to/during the Cement Job | No |
| Circulation Volume (bbls) | 200.00 | Gas Present | No |
| Lost Circulation Prior to Cement Job | No | PV Mud In | 2 |
| | | YP Mud in | 2 |

TEMPERATURE

Cementing Treatment



| | | | |
|----------------------------|-------|--------------------------------|-------|
| Ambient Temperature (°F) | 57.00 | Slurry Cement Temperature (°F) | 69.00 |
| Mix Water Temperature (°F) | 64.00 | Flow Line Temperature (°F) | 82.00 |

BJ FLUID DETAILS

| Fluid Type | Fluid Name | Density (ppg) | Yield (Cu Ft/sk) | H2O Req. (gals/sk) | Length (Ft) | Vol (sk) | Vol (Cu Ft) | Vol (bbls) |
|----------------------------|-------------------|---------------|------------------|--------------------|-------------|----------|-------------|------------|
| Spacer / Pre Flush / Flush | Water (Pre-flush) | 8.3308 | | | | | | 20.0000 |
| Tail Slurry | BJCem S100.3.XC | 14.5000 | 1.3901 | 6.78 | 1550 | 720 | 1,002.0000 | 178.4000 |
| Displacement Final | Water | 8.3300 | | | | | 0.0000 | 116.6000 |

| 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 |

DISPLACEMENT AND END OF JOB SUMMARY

| | | | |
|---------------------------------------|----------|------------------------------------|--------|
| Displaced By | BJ | Amount of Cement Returned/Reversed | 45.00 |
| Calculated Displacement Volume (bbls) | 120.00 | Method Used to Verify Returns | Visual |
| Actual Displacement Volume (bbls) | | 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) | 1,610.00 | Total Volume Pumped (bbls) | 318.00 |
| 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: WETCO FARMS A11-4-9MRLNB

Job Type: Surface

Quote ID: QUO-21321-Q1S1Q4

Plan ID: ORD-12265-V5G4S5

Execution ID: EXC-12265-V5G4S502

District: Cheyenne, WY

BJ Supervisor: Brian Boyd

| Seq. | Start Dt./Time | Event | Density (ppg) | Pump Rate (bpm) | Pump Vol(bbls) | Pipe Pressure(psi) | Comments |
|------|------------------|------------------------|---------------|-----------------|----------------|--------------------|--|
| 1 | 10/25/2018 06:21 | Callout | | | | | Customer requested crew to be on location at 11:00 |
| 2 | 10/25/2018 10:00 | Arrive on Location | | | | | Crew has journey management and departs from shop, crew arrives on location and meet with customer |
| 3 | 10/25/2018 10:05 | Safety Meeting | | | | | Steacs briefing with Bj crew over rigging up iron and hoses |
| 4 | 10/25/2018 10:10 | Rig Up | | | | | Crew rigs up iron and hoses |
| 5 | 10/25/2018 15:31 | Safety Meeting | | | | | Steacs briefing with BJ crew, rig crew and company man over job and hazards |
| 6 | 10/25/2018 15:34 | Start Pumping | 8.3300 | 2.00 | 3.00 | | Fill pumps and lines |
| 7 | 10/25/2018 15:36 | Pressure Test | 8.3300 | 0.50 | 0.50 | | Pressure test iron and head to 3000 PSI |
| 8 | 10/25/2018 15:40 | Pump Spacer | 8.3300 | 5.00 | 20.00 | | Pump 20 bbls of red dye ahead |
| 9 | 10/25/2018 16:07 | Pump Lead Cement | 14.5000 | 5.00 | 178.00 | | Pump 178 bbls of 14.5 PPG Cement (720 Sks, 1.3901 Yield, 6.78 Gals/Sks) |
| 10 | 10/25/2018 16:35 | End Pumping | | | | | Shut down pumping |
| 11 | 10/25/2018 16:35 | Drop Top Plug | | | | | Drop top plug with company man |
| 12 | 10/25/2018 16:41 | Pump Displacement | 8.3300 | 6.00 | 120.00 | | Pump 120 bbls of fresh water displacement |
| 13 | 10/25/2018 16:51 | Cement Back to Surface | 8.3300 | 6.00 | | | Cement to surface |
| 14 | 10/25/2018 17:00 | Land Plug | | | | | |
| 15 | 10/25/2018 17:00 | Pressure Test | 8.3300 | 0.50 | 0.50 | 1,550.00 | 1500 PSI casing test |
| 16 | 10/25/2018 17:09 | Safety Meeting | 8.3300 | 0.50 | 0.50 | 1,550.00 | BJ crew has steacs over rigging down iron and hoses |
| 17 | 10/25/2018 17:15 | Rig Down | | | | | Bj crew rigs down iron and hoses |
| 18 | 10/25/2018 17:45 | Leave Location | | | | | BJ crew has journey management and departs from location |



JobMaster Program Version 4.02C1

Customer: Bonanza Creek

Well Name: WTCO FARMS A11-4-9MRLNB

Bonanza Creek

