



Bayswater Exploration & Production, LLC

G & D Hanks N-27-28HC

API # 05-123-46034

Surface

04/17/2019

Quote #: 29489

Execution #: 17284



Bayswater Exploration & Production, LLC

Attention: Mr. Josh Falls | (720) 484-1146 | Josh.Falls@iptenergyservices.com

Bayswater Exploration & Production | 730 17th Street, Suite 610 | Denver, CO. 80202

Dear Mr. Josh Falls,

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) 256-3006 | 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

BJ Cementing Treatment Report

| | | | |
|-----------------------------|--------------|------------------|---------|
| SERVICE SUPERVISOR | Brian Boyd | RIG | True 38 |
| CLIENT FIELD REPRESENTATIVE | Craig | COUNTY | WELD |
| DISTRICT | Cheyenne, WY | STATE / PROVINCE | CO |
| SERVICE | Cementing | | |

WELL GEOMETRY

| TYPE | ID (in) | OD (in) | WEIGHT (lb/ft) | MD (ft) | TVD (ft) | EXCESS (%) |
|-----------|---------|---------|----------------|----------|----------|------------|
| Open Hole | 13.50 | 0.00 | 0.00 | 1,575.00 | 1,575.00 | 30.00 |
| Casing | 8.92 | 9.63 | 36.00 | 1,565.00 | 1,565.00 | |

HARDWARE

| | | | |
|---------------------------|--------|--------------------------------------|--------------|
| Bottom Plug Used? | No | Tool Type | Float Collar |
| Top Plug Used? | Yes | Tool Depth (ft) | 1,517.00 |
| Top Plug Provided By | Non BJ | Max Casing Pressure - Rated (psi) | 3512.00 |
| Top Plug Size | 9.625 | Max Casing Pressure - Operated (psi) | 2012.00 |
| Centralizers Used | Yes | Pipe Movement | None |
| Centralizers Quantity | 17.00 | Job Pumped Through | Manifold |
| Centralizers Type | Bow | Top Connection Thread | LTC |
| Landing Collar Depth (ft) | 1,517 | Top Connection Size | 9.625 |

CIRCULATION PRIOR TO JOB

| | | | |
|--------------------------------------|--------|--|----|
| Well Circulated By | Rig | PV Mud In | 2 |
| Circulation Prior to Job | Yes | YP Mud In | 1 |
| Circulation Time (min) | 45.00 | Solids Present at End of Circulation | No |
| Circulation Rate (bpm) | 6.00 | 10 sec SGS | 1 |
| Circulation Volume (bbls) | 180.00 | 10 min SGS | 1 |
| Lost Circulation Prior to Cement Job | No | Flare Prior to / during the Cement Job | No |
| Mud Density In (ppg) | 8.40 | Gas Present | No |

TEMPERATURE

| | | | |
|----------------------------|-------|--------------------------------|-------|
| Ambient Temperature (°F) | 46.00 | Slurry Cement Temperature (°F) | 67.00 |
| Mix Water Temperature (°F) | 55.00 | Flow Line Temperature (°F) | 88.00 |

Client Name: Bayswater Exploration & Production, LLC

Well: G & D HANKS N-27-28HC

Well API: 05-123-46034

Start Date: 4/16/2019

End Date: 4/17/2019

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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 | Water | 8.3337 | | | 0.00 | | | | 20.0000 |
| Lead Slurry | BJCem S100.03.1C | 12.0000 | 2.5298 | 14.86 | 0.00 | 1,050.00 | 265 | 667.0000 | 118.7000 |
| Tail Slurry | BJCem S100.03.1C | 12.5000 | 2.2255 | 12.59 | 885.00 | 500.00 | 150 | 336.0000 | 59.8000 |
| Displacement Final | Water | 8.3337 | | | 0.00 | | | 0.0000 | 117.0000 |

| FLUID TYPE | FLUID NAME | COMPONENT | CONCENTRATION | UOM |
|----------------------------|------------------|---|---------------|--------|
| Spacer / Pre Flush / Flush | Water | Fresh Water | 100.0000 | PCT |
| Lead Slurry | BJCem S100.03.1C | ACCELERATOR, SALT, CHLORIDE, CALCIUM, A-7P, PELLETS | 2.0000 | LBS/SK |
| Lead Slurry | BJCem S100.03.1C | FOAM PREVENTER, FP-25 | 0.3000 | BWOB |
| Lead Slurry | BJCem S100.03.1C | CEMENT, ASTM TYPE III | 100.0000 | PCT |
| Lead Slurry | BJCem S100.03.1C | IntegraSeal POLI | 0.1300 | LBS/SK |
| Lead Slurry | BJCem S100.03.1C | Cement Additive, Sodium Metasilicate A-2 | 2.0000 | LBS/SK |
| Lead Slurry | BJCem S100.03.1C | CEMENT EXTENDER, GYPSUM, A-10 | 5.0000 | BWOB |
| Tail Slurry | BJCem S100.03.1C | ACCELERATOR, SALT, CHLORIDE, CALCIUM, A-7P, PELLETS | 2.0000 | LBS/SK |
| Tail Slurry | BJCem S100.03.1C | FOAM PREVENTER, FP-25 | 0.3000 | BWOB |
| Tail Slurry | BJCem S100.03.1C | IntegraSeal POLI | 0.1300 | LBS/SK |
| Tail Slurry | BJCem S100.03.1C | Cement Additive, Sodium Metasilicate A-2 | 2.0000 | LBS/SK |
| Tail Slurry | BJCem S100.03.1C | CEMENT EXTENDER, GYPSUM, A-10 | 5.0000 | BWOB |
| Tail Slurry | BJCem S100.03.1C | CEMENT, ASTM TYPE III | 100.0000 | PCT |
| Displacement Final | Water | Fresh Water | 100.0000 | PCT |

DISPLACEMENT AND END OF JOB SUMMARY

| | | | |
|------------------------------------|---------|------------------------------------|--------|
| Displaced By | BJ | Amt of Cement Returned / Reversed | 39.00 |
| Calculated Displacement Vol (bbls) | 117.00 | Method Used to Verify Returns | Visual |
| Actual Displacement Vol (bbls) | 117.00 | Amt of Spacer to Surface | 20.00 |
| 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) | 1000.00 | Total Volume Pumped (bbls) | 310.00 |
| Were Returns Planned at Surface | Yes | Top Out Cement Spotted | No |
| Cement Returns During Job | Full | Lost Circulation During Cement Job | No |

Client Name: Bayswater Exploration & Production, LLC

Well: G & D HANKS N-27-28HC

Well API: 05-123-46034

Start Date: 4/16/2019

End Date: 4/17/2019



BJ Cementing Event Log

Surface - Cheyenne, WY - Brian Boyd

| SEQ | START DATE / TIME | EVENT | DENSITY (ppg) | PUMP RATE (bpm) | PUMP VOL (bbls) | PIPE PRESSURE (psi) | COMMENTS |
|-----|-------------------|------------------------|---------------|-----------------|-----------------|---------------------|--|
| 1 | 04/16/2019 19:30 | Callout | | | | | Customer requested crew to be on location at 1:30 |
| 2 | 04/16/2019 22:00 | Arrive on Location | | | | | BJ crew has journey management and departs from shop, BJ crew arrives on location and meet with customer |
| 3 | 04/16/2019 23:00 | STEACS Briefing | | | | | BJ crew has steacs over rigging up iron and hoses |
| 4 | 04/16/2019 23:30 | Rig Up | | | | | BJ crew rigs up iron and hoses |
| 5 | 04/17/2019 02:21 | STEACS Briefing | | | | | Steacs briefing with BJ crew, rig crew and company man over job and hazards |
| 6 | 04/17/2019 02:34 | Prime Up | 8.3300 | 3.00 | 3.00 | 67.00 | Fill pumps and lines |
| 7 | 04/17/2019 02:36 | Pressure Test | 8.3300 | 0.50 | 0.50 | 3500.00 | Pressure test iron and hoses to 3000 PSI |
| 8 | 04/17/2019 02:38 | Pump Spacer | 8.3300 | 4.00 | 20.00 | 103.00 | Pump 20 bbls of fresh water ahead with dye |
| 9 | 04/17/2019 02:52 | Pump Lead Cement | 12.0000 | 6.00 | 118.00 | 291.00 | Pump 118 bbls of 12 PPG lead cement (265 Sks, 2.52 Yield, 14.86 Gals/Sks) |
| 10 | 04/17/2019 03:17 | Pump Tail Cement | 12.5000 | 6.00 | 59.00 | 328.00 | Pump 59 bbls of 12.5 PPG tail cement (150 Sks, 2.22 Yield, 12.59 Gals/Sks) |
| 11 | 04/17/2019 03:29 | End Pumping | | | | | Shut down pumping |
| 12 | 04/17/2019 03:34 | Drop Top Plug | | | | | Drop top plug with company man to verify plug went down hole |
| 13 | 04/17/2019 03:34 | Pump Displacement | 8.3300 | 7.00 | | 250.00 | Pump 117 bbls of fresh water displacement |
| 14 | 04/17/2019 03:45 | Cement Back-to-Surface | 8.3300 | 7.00 | 78.00 | 500.00 | 78 bbls into displacement got cement to surface for total of 39 bbls of cement to surface |
| 15 | 04/17/2019 03:50 | Pump Displacement | 8.3300 | 3.00 | 100.00 | 400.00 | Last 17 bbls of displacement slow rate to 3 bpm |
| 16 | 04/17/2019 03:55 | Land Plug | | | 117.00 | 1000.00 | Bump plug to 1000 PSI, FCP of 500 PSI total displacement of 117 bbls |
| 17 | 04/17/2019 04:00 | Check Floats | | | | | Hold for 3 mins and check floats got .5 bbl back |
| 18 | 04/17/2019 04:02 | STEACS Briefing | | | | | BJ crew has steacs over rigging down iron and hoses |
| 19 | 04/17/2019 04:06 | Rig Down | | | | | BJ crew rigs down iron and hoses |
| 20 | 04/17/2019 04:38 | Leave Location | | | | | BJ crew has journey management and departs from location |



JobMaster Program Version 4.02C1

Job Number:

Customer: Bayswater

Well Name: G-D HANKS N-27-28HC

Bayswater

