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# **Bayswater Exploration & Production, LLC**

## **SURFACE POST JOB REPORT**

**Groves Farm Q-34-33HN 05-123-51182**  
**S:34 T:7N R:65W Weld CO**

CallSheet #: 75322  
Proposal #: 50526



**SURFACE Post Job Report**

**Attention:** Trevor Smith | (720) 335-9045 | [trevor.smith@iptenergyservices.com](mailto:trevor.smith@iptenergyservices.com)  
Bayswater Exploration & Production, LLC  
730 17TH STREET | DENVER, CO 80202

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Dear Trevor Smith,

Thank you for the opportunity to provide cementing services on this well. American Cementing strives to achieve complete customer satisfaction. If you have any questions regarding the services or data provided, please contact American Cementing at any time.

Sincerely,

**Jason Creel**

Field Engineer | (307) 256-0306 | [Jason.creel@americancementing.com](mailto:Jason.creel@americancementing.com)

**Field Office**      1716 E Allison Rd, Cheyenne, WY 82007  
Phone: (307) 638-5585

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# 1 Job Details & Summary

## 1.1 Geometry

| Type      | Function | OD (in) | ID (in) | Weight (lb/ft) | Top (ft) | Bottom (ft) | Excess (%) |
|-----------|----------|---------|---------|----------------|----------|-------------|------------|
| Open Hole | Outer    | n/a     | 13.5    | n/a            | 0        | 1545        | 25         |
| Casing    | Inner    | 9.625   | 8.921   | 36             | 0        | 1535        | 0          |

## 1.2 Equipment / People

| Unit Type          | Unit     |
|--------------------|----------|
| Cement Pump        | CPF-074  |
| Light Duty Pickups | LDV-3105 |
| Bulk Trailer       | CTF-001  |

## 1.3 Timing

| Event           | Date/Time        |
|-----------------|------------------|
| Call Out        | 10/30/2020 15:00 |
| Depart Facility | 10/30/2020 15:00 |
| On Location     | 10/30/2020 16:00 |
| Rig Up Iron     | 10/30/2020 16:15 |
| Job Started     | 10/30/2020 22:03 |
| Job Completed   | 10/30/2020 23:07 |
| Rig Down Iron   | 10/30/2020 23:15 |
| Depart Location | 10/30/2020 23:45 |

## 1.4 General Job Information

| Metrics                 | Value      |
|-------------------------|------------|
| Well Fluid Density      | 8.4 lb/gal |
| Well Fluid Type         | Water      |
| Rig Circulation Vol     | 360 bbls   |
| Rig Circulation Time    | 30 hours   |
| Calculated Displacement | 115.2 bbls |
| Actual Displacement     | 115.2 bbls |
| Total Spacer to Surface | 20 bbls    |
| Total CMT to Surface    | 34 bbls    |
| Well Topped Out         | No         |

## 1.5 Job Details

| Metrics                        | Value      |
|--------------------------------|------------|
| Flare Prior to Job             | No         |
| Flare During Job               | No         |
| Flare at End of Job            | No         |
| Well Full Prior to Job         | Yes        |
| Well Fluid Density Into Well   | 8.4 lb/gal |
| Well Fluid Density Out of Well | 8.4 lb/gal |

## 1.6 Job Details (cont.)

| Metrics | Value  |
|---------|--------|
| BHCT    | 86 °F  |
| BHST    | 110 °F |

## 1.7 Circulation

| Lost Circulation Experienced |
|------------------------------|
| No                           |

### 1.8 Job Execution Information

| Job | Fluid | Product        | Function           | Density<br>(lb/gal) | Yield<br>(ft <sup>3</sup> /sk) | Water Rq.<br>(gal/sk) | Water Rq.<br>(gal/bbl) | Volume<br>(sk) | Volume<br>(bbl) |
|-----|-------|----------------|--------------------|---------------------|--------------------------------|-----------------------|------------------------|----------------|-----------------|
| 1   | 1     | Fresh Water    | Flush              | 8.34                |                                |                       | 42.00                  |                | 20.00           |
| 1   | 2     | ACem S100.3.1C | Lead               | 12.00               | 2.53                           | 14.86                 |                        | 258.00         | 116.21          |
| 1   | 3     | ACem S100.3.1C | Tail               | 12.50               | 2.23                           | 12.58                 |                        | 145.00         | 57.46           |
| 1   | 4     | Base Oil       | Displacement Final | 7.50                |                                |                       | 42.00                  |                | 115.20          |

### 1.9 Job Fluid Details

| Job | Fluid | Type | Fluid          | Product          | Function        | Conc.  | Uom   |
|-----|-------|------|----------------|------------------|-----------------|--------|-------|
| 1   | 2     | Lead | ACem S100.3.1C | ASTM TYPE III    | Cement          | 100.00 | %     |
| 1   | 2     | Lead | ACem S100.3.1C | A-10             | Accelerator     | 5.00   | %BWOB |
| 1   | 2     | Lead | ACem S100.3.1C | A-2              | Accelerator     | 2.00   | lb/sk |
| 1   | 2     | Lead | ACem S100.3.1C | A-7P             | Accelerator     | 2.00   | lb/sk |
| 1   | 2     | Lead | ACem S100.3.1C | FP-24            | Defoamer        | 0.30   | %BWOB |
| 1   | 2     | Lead | ACem S100.3.1C | IntegraSeal POLI | LostCirculation | 0.13   | lb/sk |
| 1   | 3     | Tail | ACem S100.3.1C | ASTM TYPE III    | Cement          | 100.00 | %     |
| 1   | 3     | Tail | ACem S100.3.1C | A-10             | Accelerator     | 5.00   | %BWOB |
| 1   | 3     | Tail | ACem S100.3.1C | A-2              | Accelerator     | 2.00   | lb/sk |
| 1   | 3     | Tail | ACem S100.3.1C | A-7P             | Accelerator     | 2.00   | lb/sk |
| 1   | 3     | Tail | ACem S100.3.1C | FP-24            | Defoamer        | 0.30   | %BWOB |
| 1   | 3     | Tail | ACem S100.3.1C | IntegraSeal POLI | LostCirculation | 0.13   | lb/sk |

## 2 Job Logs

| Line | Event              | Date (MM/DD/YY) | Time (HH:MM) | Density (lb/gal) | Pump Rate (bpm) | Pump Volume (bbls) | Pipe Pressure (psi) | Comment   |
|------|--------------------|-----------------|--------------|------------------|-----------------|--------------------|---------------------|---|
| 1    | Callout            | 10/30/2020      | 15:00        |                  |                 |                    |                     | Customer calls with an O/L time of 5:00 on 10/30/20   |
| 2    | Leave Yard         | 10/30/2020      | 15:00        |                  |                 |                    |                     | Leave yard to travel to location  |
| 3    | Arrive on Location | 10/30/2020      | 16:00        |                  |                 |                    |                     | Arrive on location, rig is TOH with drill pipe  |
| 4    | Spot Trucks        | 10/30/2020      | 16:10        |                  |                 |                    |                     |   |
| 5    | Rig Up Iron        | 10/30/2020      | 16:15        |                  |                 |                    |                     | Rig up water, bulk, and iron to the standpipe   |
| 6    | Waiting            | 10/30/2020      | 16:40        |                  |                 |                    |                     | Waiting on the rig to finish running casing, and circulate  |
| 7    | Rig up cement head | 10/30/2020      | 21:30        |                  |                 |                    |                     | Rig up cement head for rig to circulate through   |
| 8    | Safety Meeting     | 10/30/2020      | 21:54        |                  |                 |                    |                     | Pre-job safety meeting with BJ crew, Rig crew, and Company man  |
| 9    | Fill Lines         | 10/30/2020      | 22:03        | 8.34             | 5.54            | 5                  | 188                 | Fill pumps and lines  |
| 10   | Pressure Test      | 10/30/2020      | 22:04        | 8.34             | 0               | 0                  | 3576                | Test pumps and lines, "O" ring missing from the bottom of manifold, had to shut down and put a new one in |
| 11   | Pump Spacer        | 10/30/2020      | 22:12        | 8.34             | 5.6             | 20                 | 213                 | Pump 20 bbls of fresh water + Dye   |
| 12   | Pump Lead          | 10/30/2020      | 22:16        | 12               | 6.5             | 116                | 475                 | Pump 258 sks of lead @12 ppg, Yield: 2.53 Mix Water: 14.86  |
| 13   | Pump Tail          | 10/30/2020      | 22:33        | 12.5             | 6.5             | 57                 | 417                 | Pump 145 sks of tail @12.5 ppg, Yield: 2.23 Mix Water: 12.58, (Lead and Tail both out of CTF-001)         |
| 14   | Drop Top Plug      | 10/30/2020      | 22:44        |                  |                 |                    |                     | Shut down, and drop plug  |
| 15   | Pump Displacement  | 10/30/2020      | 22:45        | 7.5              | 8               | 0                  | 0                   | Send plug start with pumping base oil displacement  |
| 16   | Spacer To Surface  | 10/30/2020      | 22:53        | 7.5              | 8               | 600                | 55                  | Start getting Dye to surface  |
| 17   | Cement To Surface  | 10/30/2020      | 22:57        | 7.5              | 8               | 754                | 81                  | Start getting good cement to surface  |
| 18   | Pump Displacement  | 10/30/2020      | 22:59        | 7.5              | 2.8             | 400                | 95                  | Drop rate to land the plug  |
| 19   | Land Plug          | 10/30/2020      | 23:05        | 7.5              | 2.8             | 1116               | 115.2               | Land plug (FCP 553) Bumped up to 1116, 34 bbls of cement to surface                                       |
| 20   | Check floats       | 10/30/2020      | 23:07        | 7.5              | 0               | 0                  | 0                   | Check floats (floats held) .5 bbls back   |
| 21   | Safety Meeting     | 10/30/2020      | 23:10        |                  |                 |                    |                     | Pre-rig down safety meeting   |
| 22   | Rig down Iron      | 10/30/2020      | 23:15        |                  |                 |                    |                     | Rig down cement head, Iron, bulk, and water   |
| 23   | Leave Location     | 10/30/2020      | 23:45        |                  |                 |                    |                     | Leave location to travel back to the yard   |

### 3 Water Analysis

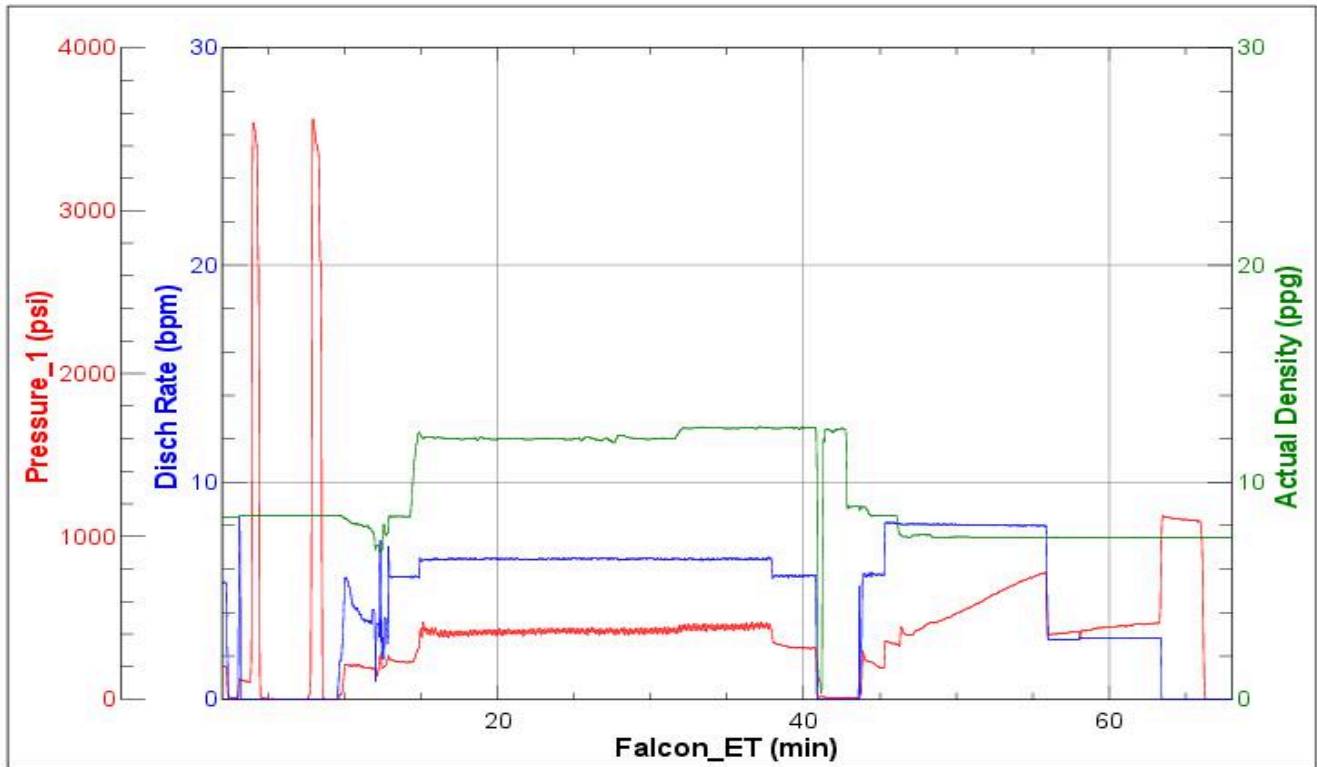
| Metrics          | Value    | Recommended |
|------------------|----------|-------------|
| Water Source     | None     |             |
| Temperature      | 55 °F    | 50-80 °F    |
| pH Level         | 7        | 5.5-8.5     |
| Chlorides        | 500 mg/L | 0-3000 mg/L |
| Total Alkalinity | 100      | 0-1000      |
| Total Hardness   | 0 mg/L   | 0-500 mg/L  |
| Carbonates       | 0 mg/L   | 0-100 mg/L  |
| Sulfates         | 250 mg/L | 0-1500 mg/L |
| Potassium        | 0 mg/L   | 0-3000 mg/L |
| Iron             | 50 mg/L  | 0-300 mg/L  |

## 4 Pump Diagrams



**JobMaster Program Version 5.01C 1**

Job Number:  
Customer: Bayswater  
Well Name: Groves Farms Q-34-33HN



BJ Services

Job Start: Friday, October 30, 2020