

FORM  
5A

Rev  
06/12

State of Colorado  
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109



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Document Number:

400705181

Date Received:

10/09/2014

COMPLETED INTERVAL REPORT

The completed interval Report, Form 5A, shall be submitted within thirty (30) days of completing a formation (successful or not), when a formation is temporarily abandoned or permanently abandoned, for a recompletion, reperforation or restimulation, or when a formation is commingled. Fill out a section for each formation. Attach as many pages as required to fully describe the work. List in order of completion.

1. OGCC Operator Number: 10261  
2. Name of Operator: BAYSWATER EXPLORATION AND PRODUCTION  
3. Address: 730 17TH ST STE 610  
City: DENVER State: CO Zip: 80202  
4. Contact Name: PAUL GOTTLLOB  
Phone: (720) 420-5700  
Fax: (720) 420-5800  
Email: paul.gottlob@iptenergyservices.com

5. API Number 05-123-37610-00  
6. County: WELD  
7. Well Name: Heckman  
Well Number: 9-20  
8. Location: QtrQtr: NENE Section: 29 Township: 7N Range: 67W Meridian: 6  
9. Field Name: WATTENBERG Field Code: 90750

Completed Interval

FORMATION: CODELL Status: TEMPORARILY ABANDONED Treatment Type: FRACTURE STIMULATION

Treatment Date: 01/23/2014 End Date: 01/23/2014 Date of First Production this formation:

Perforations Top: 7645 Bottom: 7662 No. Holes: 68 Hole size: 41/100

Provide a brief summary of the formation treatment: Open Hole: ☐

Frac CODL w/ 281,106 gal fluid and 180,460# 30/50 sand (281,106 gal slick wtr). ISIP=3182 psi (0.849 F.G.). ATP=4539 psi, ATR=58.5 BPM, MTP=5054 psi, MTR=62.1 BPM.

This formation is commingled with another formation: ☐ Yes ☒ No

Total fluid used in treatment (bbl): 6693 Max pressure during treatment (psi): 5054

Total gas used in treatment (mcf): Fluid density at initial fracture (lbs/gal): 8.34

Type of gas used in treatment: Min frac gradient (psi/ft): 0.84

Total acid used in treatment (bbl): 0 Number of staged intervals: 1

Recycled water used in treatment (bbl): 0 Flowback volume recovered (bbl): 4002

Fresh water used in treatment (bbl): 6693 Disposition method for flowback: DISPOSAL

Total proppant used (lbs): 180460 Rule 805 green completion techniques were utilized: ☒

Reason why green completion not utilized:

Fracture stimulations must be reported on FracFocus.org

Test Information:

Date: Hours: Bbl oil: Mcf Gas: Bbl H2O:

Calculated 24 hour rate: Bbl oil: Mcf Gas: Bbl H2O: GOR:

Test Method: Casing PSI: Tubing PSI: Choke Size:

Gas Disposition: Gas Type: Btu Gas: API Gravity Oil:

Tubing Size: Tubing Setting Depth: Tbg setting date: Packer Depth:

Reason for Non-Production: Set CIBP @ 7598'

Date formation Abandoned: 01/30/2014 Squeeze: ☐ Yes ☐ No If yes, number of sacks cmt

\*\* Bridge Plug Depth: 7598 \*\* Sacks cement on top: 0 \*\* Wireline and Cement Job Summary must be attached.

FORMATION: NIOBRARA Status: PRODUCING Treatment Type: FRACTURE STIMULATION  
Treatment Date: 01/30/2014 End Date: 01/31/2014 Date of First Production this formation: 06/19/2014  
Perforations Top: 7328 Bottom: 7565 No. Holes: 260 Hole size: 40/100  
Provide a brief summary of the formation treatment: Open Hole: ☐

Frac NBRR C w/ 280,308 gal fluid and 180,700# 30/50 sand (279,308 gal slick wtr & 1000 gals 15% HCl). ISIP=3271 psi (0.866 F.G.). ATP=4913 psi, ATR=60.3 BPM, MTP=5544 psi, MTR=60.9 BPM.  
Frac NBRR B w/ 278,292 gal fluid and 179,589# 30/50 sand (276,292 gal slick wtr & 2000 gals 15% HCl). ISIP=3483 psi (0.926 F.G.). ATP=4945 psi, ATR=58.2 BPM, MTP=6061 psi, MTR=60.6 BPM.  
Frac NBRR A w/ 183,540 gal fluid and 99,971# 30/50 sand (182,540 gal slick wtr & 1000 gals 15% HCl). ISIP=3652 psi (0.931 F.G.). ATP=5051 psi, ATR=54.4 BPM, MTP=5854 psi, MTR=56.5 BPM.

This formation is commingled with another formation: ☐ Yes ☒ No

Total fluid used in treatment (bbl): 17670 Max pressure during treatment (psi): 6061  
Total gas used in treatment (mcf): Fluid density at initial fracture (lbs/gal): 8.34  
Type of gas used in treatment: Min frac gradient (psi/ft): 0.86  
Total acid used in treatment (bbl): 95 Number of staged intervals: 3  
Recycled water used in treatment (bbl): Flowback volume recovered (bbl): 4002  
Fresh water used in treatment (bbl): 17574 Disposition method for flowback: DISPOSAL  
Total proppant used (lbs): 460260 Rule 805 green completion techniques were utilized: ☒  
Reason why green completion not utilized:

**Fracture stimulations must be reported on FracFocus.org**

#### Test Information:

Date: 06/20/2014 Hours: 24 Bbl oil: 7 Mcf Gas: 0 Bbl H2O: 17  
Calculated 24 hour rate: Bbl oil: 7 Mcf Gas: 0 Bbl H2O: 17 GOR: 0  
Test Method: FLOWING Casing PSI: 1280 Tubing PSI: Choke Size: 18/64  
Gas Disposition: SOLD Gas Type: WET Btu Gas: 1304 API Gravity Oil: 41  
Tubing Size: Tubing Setting Depth: Tbg setting date: Packer Depth:

Reason for Non-Production:

Date formation Abandoned: Squeeze: ☐ Yes ☐ No If yes, number of sacks cmt

\*\* Bridge Plug Depth: \*\* Sacks cement on top: \*\* Wireline and Cement Job Summary must be attached.

Comment:

I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete.

Signed: Print Name: Paul Gottlob  
Title: Consultant Date: 10/9/2014 Email: paul.gottlob@iptenergyservices.com

### Attachment Check List

Att Doc Num	Name
901404	WIRELINE JOB SUMMARY
400705181	FORM 5A SUBMITTED
400705432	WELLBORE DIAGRAM

Total Attach: 3 Files

### General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Wireline job summary was submitted by operator, which has been attached to this form.	4/1/2016 12:11:34 PM
Permit	<p>Per operator (Extraction): "Both the Nio and the Codell were completed, however the Codell is TA with a CIBP. All the shut-in status codes that have been previously submitted on form 7s need to be changed, and we will update this code going forward. We also should modify the 5A that Bayswater submitted to reflect that these two formation are not commingled."</p> <p>5A has been modified and corrected per phone conversation with operator to accurately reflect formation status and treatment data.</p>	4/1/2016 12:07:24 PM

Total: 2 comment(s)