

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:

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Date Received:

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 05-123-37919-00  
6. County: WELD  
7. Well Name: Hirsch  
Well Number: 11-24  
8. Location: QtrQtr: SENW Section: 24 Township: 7N Range: 67W Meridian: 6  
9. Field Name: WATTENBERG Field Code: 90750

Completed Interval

FORMATION: CODELL Status: COMMINGLED Treatment Type: FRACTURE STIMULATION

Treatment Date: 02/26/2014 End Date: 02/26/2014 Date of First Production this formation:  
Perforations Top: 7805 Bottom: 7821 No. Holes: 64 Hole size: 041/100

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

Frac CODL w/ 128,562 gal fluid and 95,088# 30/50 sand (128,562 gal slick wtr). ISIP=3550 psi (0.88 F.G.). ATP=5152 psi, ATR=52.1 BPM, MTP=6085 psi, MTR=53.6 BPM.

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

Total fluid used in treatment (bbl): 3061 Max pressure during treatment (psi): 6085  
Total gas used in treatment (mcf): 0 Fluid density at initial fracture (lbs/gal): 8.34  
Type of gas used in treatment: Min frac gradient (psi/ft): 0.88  
Total acid used in treatment (bbl): 0 Number of staged intervals: 1  
Recycled water used in treatment (bbl): 0 Flowback volume recovered (bbl): 2266  
Fresh water used in treatment (bbl): 3061 Disposition method for flowback: DISPOSAL  
Total proppant used (lbs): 95088 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:

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.

FORMATION: NIOBRARA-CODELL Status: PRODUCING Treatment Type: \_\_\_\_\_

Treatment Date: \_\_\_\_\_ End Date: \_\_\_\_\_ Date of First Production this formation: 05/23/2014

Perforations Top: 7500 Bottom: 7821 No. Holes: 276 Hole size: 040/100

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

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

Total fluid used in treatment (bbl): \_\_\_\_\_ Max pressure during treatment (psi): \_\_\_\_\_

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

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

Total acid used in treatment (bbl): \_\_\_\_\_ Number of staged intervals: \_\_\_\_\_

Recycled water used in treatment (bbl): \_\_\_\_\_ Flowback volume recovered (bbl): \_\_\_\_\_

Fresh water used in treatment (bbl): \_\_\_\_\_ Disposition method for flowback: \_\_\_\_\_

Total proppant used (lbs): \_\_\_\_\_ Rule 805 green completion techniques were utilized: ☐

Reason why green completion not utilized: \_\_\_\_\_

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

**Test Information:**

Date: 05/24/2014 Hours: 24 Bbl oil: 40 Mcf Gas: 4 Bbl H2O: 40

Calculated 24 hour rate: Bbl oil: 40 Mcf Gas: 4 Bbl H2O: 40 GOR: 89

Test Method: FLOWING Casing PSI: 950 Tubing PSI: \_\_\_\_\_ Choke Size: 012/64

Gas Disposition: SOLD Gas Type: WET Btu Gas: 1249 API Gravity Oil: 42

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.

FORMATION: NIOBRARA Status: COMMINGLED Treatment Type: FRACTURE STIMULATION

Treatment Date: 03/17/2014 End Date: 03/17/2014 Date of First Production this formation:  
Perforations Top: 7500 Bottom: 7730 No. Holes: 212 Hole size: 040/100

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

Frac NBRR C w/ 161,364 gal fluid and 107,280# 30/50 sand (159,364 gal slick wtr & 2000 gals 15% HCl). ISIP=3957 psi (0.992 F.G.). ATP=5164 psi, ATR=53.7 BPM, MTP=5469 psi, MTR=57.3 BPM.  
Frac NBRR B w/ 269,808 gal fluid and 178,940# 30/50 sand (268,808 gal slick wtr & 1000 gals 15% HCl). ISIP=3931 psi (0.988 F.G.). ATP=5215 psi, ATR=51.1 BPM, MTP=5662 psi, MTR=55.8 BPM.  
Frac NBRR A w/ 113,568 gal fluid and 62,820# 30/50 sand (113,568 gal slick wtr). ISIP=4135 psi (1.017 F.G.). ATP=5184 psi, ATR=37.8 BPM, MTP=5419 psi, MTR=44.1 BPM.

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

Total fluid used in treatment (bbl): 12970 Max pressure during treatment (psi): 5662

Total gas used in treatment (mcf): 0 Fluid density at initial fracture (lbs/gal): 8.34

Type of gas used in treatment: Min frac gradient (psi/ft): 0.99

Total acid used in treatment (bbl): 71 Number of staged intervals: 3

Recycled water used in treatment (bbl): 0 Flowback volume recovered (bbl): 2266

Fresh water used in treatment (bbl): 12898 Disposition method for flowback: DISPOSAL

Total proppant used (lbs): 349040 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:

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: Email paul.gottlob@iptenergyservices.com

#### Attachment Check List

Att Doc Num Name

400705342 WELLBORE DIAGRAM

Total Attach: 1 Files

## General Comments

User Group

Comment

Comment Date

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Total: 0 comment(s)