

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



| | | | |
|----|----|----|----|
| DE | ET | OE | ES |
|----|----|----|----|

Document Number:

400705288

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 05-123-37919-00
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: 41/100

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): 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: 40/100 | |

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: <input type="checkbox"/> |

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: 12/64 | |
| 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: 40/100

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): 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: 10/9/2014 Email: paul.gottlob@iptenergyservices.com

Attachment Check List

| Att Doc Num | Name |
|-------------|-------------------|
| 400705288 | FORM 5A SUBMITTED |
| 400705342 | WELLBORE DIAGRAM |

Total Attach: 2 Files

General Comments

| <u>User Group</u> | <u>Comment</u> | <u>Comment Date</u> |
|-------------------|----------------|---------------------|
| | | |

Total: 0 comment(s)