

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:

400424550

Date Received:

05/28/2013

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: 100185
2. Name of Operator: ENCANA OIL & GAS (USA) INC
3. Address: 370 17TH ST STE 1700
City: DENVER State: CO Zip: 80202-
4. Contact Name: Sheilla Reed-High
Phone: (720) 876-3678
Fax: (720) 876-4678

5. API Number 05-123-34942-00
6. County: WELD
7. Well Name: BEARDEN
Well Number: 2-4-6
8. Location: QtrQtr: NESW Section: 6 Township: 1N Range: 68W Meridian: 6
9. Field Name: WATTENBERG Field Code: 90750

Completed Interval

FORMATION: CODELL Status: COMMINGLED Treatment Type: FRACTURE STIMULATION

Treatment Date: 04/20/2013 End Date: 04/20/2013 Date of First Production this formation: 05/09/2013

Perforations Top: 7828 Bottom: 7847 No. Holes: 75 Hole size: 0.42

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

Set CFP @ 7900'. 04-20-13
Frac'd the Codell with 109,636# 40/70 with 112,518 gals SLF. 04-20-13

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

Total fluid used in treatment (bbl): 2679 Max pressure during treatment (psi): 6214

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): 0.45

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

Recycled water used in treatment (bbl): 2679 Flowback volume recovered (bbl): 903

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

Total proppant used (lbs): 109636 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: J-NIOBRARA-CODELL Status: COMMINGLED Treatment Type: _____
Treatment Date: _____ End Date: _____ Date of First Production this formation: 05/09/2013
Perforations Top: 7593 Bottom: 8290 No. Holes: 234 Hole size: 0.42
Provide a brief summary of the formation treatment: _____ Open Hole: ☐

Set CBP @ 7550'. 04-22-13
Drilled out CBP, CFP's to commingle the JSND-NBRR-CDL. 04-25-13

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: 05/11/2013 Hours: 24 Bbl oil: 50 Mcf Gas: 373 Bbl H2O: 181
Calculated 24 hour rate: Bbl oil: 50 Mcf Gas: 373 Bbl H2O: 181 GOR: 37460
Test Method: FLOWING Casing PSI: 1873 Tubing PSI: 1097 Choke Size: 14/64
Gas Disposition: SOLD Gas Type: DRY Btu Gas: 1187 API Gravity Oil: 49
Tubing Size: 2 + 3/8 Tubing Setting Depth: 8227 Tbg setting date: 04/24/2013 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: <u>J SAND</u> | | Status: <u>PRODUCING</u> | | Treatment Type: <u>FRACTURE STIMULATION</u> | |
| Treatment Date: <u>04/19/2013</u> | | End Date: <u>04/19/2013</u> | | Date of First Production this formation: <u>05/09/2013</u> | |
| Perforations | Top: <u>8257</u> | Bottom: <u>8290</u> | No. Holes: <u>75</u> | Hole size: <u>0.42</u> | |

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

Frac'd the J Sand with 109,559# 40/70 with 110,670 gals SLF 04-19-13

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

| | |
|---|---|
| Total fluid used in treatment (bbl): <u>2635</u> | Max pressure during treatment (psi): <u>3464</u> |
| Total gas used in treatment (mcf): _____ | Fluid density at initial fracture (lbs/gal): <u>8.34</u> |
| Type of gas used in treatment: _____ | Min frac gradient (psi/ft): <u>0.57</u> |
| Total acid used in treatment (bbl): _____ | Number of staged intervals: <u>1</u> |
| Recycled water used in treatment (bbl): <u>2635</u> | Flowback volume recovered (bbl): <u>903</u> |
| Fresh water used in treatment (bbl): _____ | Disposition method for flowback: <u>DISPOSAL</u> |
| Total proppant used (lbs): <u>109559</u> | Rule 805 green completion techniques were utilized: <input checked="" type="checkbox"/> |

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: FRACTURE STIMULATION

Treatment Date: 04/20/2013 End Date: 04/21/2013 Date of First Production this formation: 05/09/2013

Perforations Top: 7593 Bottom: 7847 No. Holes: 159 Hole size: 0.42

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: _____ 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 Status: COMMINGLED Treatment Type: FRACTURE STIMULATION
Treatment Date: 04/21/2013 End Date: 04/21/2013 Date of First Production this formation: 05/09/2013
Perforations Top: 7593 Bottom: 7614 No. Holes: 84 Hole size: 0.42
Provide a brief summary of the formation treatment: Open Hole: ☐

Set CFP @ 7654'. 04-20-13
Frac'd the Niobrara with 108,137# 40/70 with 111,384 gals SLF. 04-21-13

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

Total fluid used in treatment (bbl): 2575 Max pressure during treatment (psi): 5491
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): 0.76
Total acid used in treatment (bbl): Number of staged intervals: 1
Recycled water used in treatment (bbl): 2575 Flowback volume recovered (bbl): 903
Fresh water used in treatment (bbl): Disposition method for flowback: DISPOSAL
Total proppant used (lbs): 108137 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:

BTU and API information pending.
Flowback volume information pending.

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

Signed: Print Name: Sheilla Reed-High

Title: Drilling and Compl. Tech. Date: 5/28/2013 Email: sheilla.reedhigh@Encana.com

Attachment Check List

| Att Doc Num | Name |
|-------------|-------------------|
| 400424550 | FORM 5A SUBMITTED |
| 400424735 | WELLBORE DIAGRAM |

Total Attach: 2 Files

General Comments

| <u>User Group</u> | <u>Comment</u> | <u>Comment Date</u> |
|-------------------|--|----------------------|
| Permit | per operator Flowback volumes: 903, BTU: 1187, API Gravity: 48.64. | 9/4/2013 2:47:43 PM |
| Permit | ON HOLD: missing flowback volumes, BTU Gas & API gravity. | 7/23/2013 3:28:03 PM |

Total: 2 comment(s)