

FORM
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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:

400855775

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: 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: Erin Lind
 Phone: (720) 876-5827
 Fax:
 Email: erin.lind@encana.com

5. API Number 05-123-40288-00
 6. County: WELD
 7. Well Name: Newnam
 Well Number: 2L-32H C264
 8. Location: QtrQtr: NENW Section: 32 Township: 2N Range: 64W Meridian: 6
 9. Field Name: WATTENBERG Field Code: 90750

Completed Interval

FORMATION: CARLILE Status: COMMINGLED Treatment Type: FRACTURE STIMULATION

Treatment Date: 03/28/2015 End Date: 03/28/2015 Date of First Production this formation: 05/27/2015

Perforations Top: 7694 Bottom: 7795 No. Holes: 27 Hole size: 0.38

Provide a brief summary of the formation treatment:

Open Hole: ☐

Stages 27 treated with 1,810 bbls of fresh water, 87 bbls of recycled water, 9 bbls of additives, 7 bbls of acid 15%, and 98,891 lbs of 40/70 Sand Proppant

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

Total fluid used in treatment (bbl): 1913

Max pressure during treatment (psi): 8483

Total gas used in treatment (mcf): 0

Fluid density at initial fracture (lbs/gal): 8.30

Type of gas used in treatment:

Min frac gradient (psi/ft): 0.98

Total acid used in treatment (bbl): 7

Number of staged intervals: 1

Recycled water used in treatment (bbl): 87

Flowback volume recovered (bbl): 13

Fresh water used in treatment (bbl): 1819

Disposition method for flowback: DISPOSAL

Total proppant used (lbs): 98891

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.

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|---|---|---|---|--|--|
| FORMATION: <u>CODELL</u> | | Status: <u>COMMINGLED</u> | | Treatment Type: <u>FRACTURE STIMULATION</u> | |
| Treatment Date: <u>03/27/2015</u> | | End Date: <u>03/28/2015</u> | | Date of First Production this formation: <u>05/27/2015</u> | |
| Perforations | Top: <u>7645</u> | Bottom: <u>9528</u> | No. Holes: <u>270</u> | Hole size: <u>0.38</u> | |
| Provide a brief summary of the formation treatment: | | | Open Hole: <input type="checkbox"/> | | |
| Stages 15 - 16, & 19 - 26 treated with 18,096 of fresh water, 867 bbls of recycled water, 91 bbls of additives, 75 bbls of acid 15%, and 988,910 lbs of 40/70 Sand Proppant | | | | | |
| This formation is commingled with another formation: | | | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | |
| Total fluid used in treatment (bbl): <u>19129</u> | | Max pressure during treatment (psi): <u>8332</u> | | | |
| Total gas used in treatment (mcf): <u>0</u> | | Fluid density at initial fracture (lbs/gal): <u>8.30</u> | | | |
| Type of gas used in treatment: _____ | | Min frac gradient (psi/ft): <u>0.96</u> | | | |
| Total acid used in treatment (bbl): <u>75</u> | | Number of staged intervals: <u>10</u> | | | |
| Recycled water used in treatment (bbl): <u>867</u> | | Flowback volume recovered (bbl): <u>126</u> | | | |
| Fresh water used in treatment (bbl): <u>18188</u> | | Disposition method for flowback: <u>DISPOSAL</u> | | | |
| Total proppant used (lbs): <u>988910</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 | | | | | |
| <u>Test Information:</u> | | | | | |
| 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: <div style="border: 1px solid black; height: 20px; width: 100%;"></div> | | | | | |
| Date formation Abandoned: _____ | Squeeze: <input type="checkbox"/> Yes <input type="checkbox"/> No | If yes, number of sacks cmt _____ | | | |
| ** Bridge Plug Depth: _____ | ** Sacks cement on top: _____ | ** Wireline and Cement Job Summary must be attached. | | | |

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|--|-----------------------------|---|---|--|--|
| FORMATION: FORT HAYS | | Status: COMMINGLED | | Treatment Type: FRACTURE STIMULATION | |
| Treatment Date: 03/25/2015 | | End Date: 03/27/2015 | | Date of First Production this formation: 05/27/2015 | |
| Perforations | Top: 8981 | Bottom: 11310 | No. Holes: 324 | Hole size: 0.38 | |
| Provide a brief summary of the formation treatment: | | | Open Hole: <input type="checkbox"/> | | |
| Stages 3 - 12 & 17 - 18 treated with 21,716 of fresh water, 1,040 bbls of recycled water, 110 bbls of additives, 90 bbls of acid 15%, and 1,186,692 lbs of 40/70 Sand Proppant | | | | | |
| This formation is commingled with another formation: | | | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | |
| Total fluid used in treatment (bbl): 22955 | | Max pressure during treatment (psi): 8485 | | | |
| Total gas used in treatment (mcf): 0 | | Fluid density at initial fracture (lbs/gal): 8.30 | | | |
| Type of gas used in treatment: | | Min frac gradient (psi/ft): 0.93 | | | |
| Total acid used in treatment (bbl): 90 | | Number of staged intervals: 12 | | | |
| Recycled water used in treatment (bbl): 1040 | | Flowback volume recovered (bbl): 151 | | | |
| Fresh water used in treatment (bbl): 21825 | | Disposition method for flowback: DISPOSAL | | | |
| Total proppant used (lbs): 1186692 | | 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 | | | | | |
| <u>Test Information:</u> | | | | | |
| 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: <div style="border: 1px solid black; height: 20px; width: 100%;"></div> | | | | | |
| Date formation Abandoned: _____ | | Squeeze: <input type="checkbox"/> Yes <input type="checkbox"/> No | If yes, number of sacks cmt _____ | | |
| ** Bridge Plug Depth: _____ | | ** Sacks cement on top: _____ | | ** Wireline and Cement Job Summary must be attached. | |

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|--|---|---|---|---|--|
| FORMATION: NIOBRARA | | Status: COMMINGLED | | Treatment Type: FRACTURE STIMULATION | |
| Treatment Date: 03/13/2015 | | End Date: 03/27/2015 | | Date of First Production this formation: 05/27/2015 | |
| Perforations | Top: 9575 | Bottom: 11611 | No. Holes: 106 | Hole size: 0.38 | |
| Provide a brief summary of the formation treatment: | | | Open Hole: <input type="checkbox"/> | | |
| Stages 1 - 2 & 13 - 14 treated with 7,275 bbls of fresh water, 347 bbls of recycled water, 37 bbls of additives, 30 bbls of acid 15%, and 395,564 lbs of 40/70 Sand Proppant | | | | | |
| This formation is commingled with another formation: | | | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | |
| Total fluid used in treatment (bbl): 7652 | | Max pressure during treatment (psi): 8536 | | | |
| Total gas used in treatment (mcf): 0 | | Fluid density at initial fracture (lbs/gal): 8.30 | | | |
| Type of gas used in treatment: | | Min frac gradient (psi/ft): 0.94 | | | |
| Total acid used in treatment (bbl): 30 | | Number of staged intervals: 4 | | | |
| Recycled water used in treatment (bbl): 347 | | Flowback volume recovered (bbl): 50 | | | |
| Fresh water used in treatment (bbl): 7275 | | Disposition method for flowback: DISPOSAL | | | |
| Total proppant used (lbs): 395564 | | 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 | | | | | |
| <u>Test Information:</u> | | | | | |
| 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: <div style="border: 1px solid black; height: 20px; width: 100%;"></div> | | | | | |
| Date formation Abandoned: _____ | Squeeze: <input type="checkbox"/> Yes <input type="checkbox"/> No | If yes, number of sacks cmt _____ | | | |
| ** Bridge Plug Depth: _____ | ** Sacks cement on top: _____ | ** Wireline and Cement Job Summary must be attached. | | | |

FORMATION: NIOBRARA-FORT HAYS-CODELL-CARLILE Status: PRODUCING Treatment Type: FRACTURE STIMULATION

Treatment Date: 03/13/2015 End Date: 03/28/2015 Date of First Production this formation: 05/27/2015
Perforations Top: 7645 Bottom: 11611 No. Holes: 727 Hole size: 0.38

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

Stages 1 - 27 treated with 48,860 bbls of fresh water, 2,340 bbls of recycled water, 247 bbls of additives, 202 bbls of acid 15%, and 2,670,056 lbs of 40/70 Sand Proppant.

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

Total fluid used in treatment (bbl): 51649

Max pressure during treatment (psi): 8536

Total gas used in treatment (mcf): 0

Fluid density at initial fracture (lbs/gal): 8.30

Type of gas used in treatment:

Min frac gradient (psi/ft): 0.93

Total acid used in treatment (bbl): 202

Number of staged intervals: 27

Recycled water used in treatment (bbl): 2340

Flowback volume recovered (bbl): 340

Fresh water used in treatment (bbl): 49107

Disposition method for flowback: DISPOSAL

Total proppant used (lbs): 2670056

Rule 805 green completion techniques were utilized: ☒

Reason why green completion not utilized:

Fracture stimulations must be reported on FracFocus.org

Test Information:

Date: 06/04/2015 Hours: 24 Bbl oil: 60 Mcf Gas: 95 Bbl H2O: 135
Calculated 24 hour rate: Bbl oil: 60 Mcf Gas: 95 Bbl H2O: 135 GOR: 1583
Test Method: FLOWS FROM WELL Casing PSI: 1813 Tubing PSI: 829 Choke Size:
Gas Disposition: SOLD Gas Type: DRY Btu Gas: 1298 API Gravity Oil: 50
Tubing Size: 2 + 3/8 Tubing Setting Depth: 7244 Tbg setting date: 04/30/2015 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:

The Niobrara formation was treated on 3/13, 3/24, & 3/26-3/27/15. The perforation intervals for this formation are 9,575 - 9,825 and 11,357 - 11,611. The Fort Hays formation was treated from 3/25 - 3/27/15. The perforation intervals for this formation are 8,981 - 9,231 and 9,872 - 11,310. The Codell formation was treated from 3/27-3/28/15. The perforation intervals for this formation are 7,645 - 7,647, 7,843 - 8,938 and 9,278 - 9,528. The Carlile formation was treated on 03/28/2015. The perforation interval for this formation is 7,694 - 7,795.

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

Signed: Print Name: Erin Lind
Title: Regulatory Analyst Date: Email: erin.lind@encana.com

Attachment Check List

| Att Doc Num | Name |
|-------------|------------------|
| 400857244 | WELLBORE DIAGRAM |

Total Attach: 1 Files

General Comments

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

Total: 0 comment(s)