

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

5. API Number <u>05-123-34362-00</u>	6. County: <u>WELD</u>
7. Well Name: <u>GRATTAN</u>	Well Number: <u>4B-30H</u>
8. Location: QtrQtr: <u>SESE</u> Section: <u>30</u> Township: <u>2N</u> Range: <u>64W</u> Meridian: <u>6</u>	
9. Field Name: <u>WATTENBERG</u> Field Code: <u>90750</u>	

Completed Interval

FORMATION: NIOBRARA

Status: PRODUCING

Treatment Type: FRACTURE
STIMULATION

Treatment Date: 04/10/2012

End Date:

Date of First Production this formation: 05/04/2012

Perforations

Top: 7532

Bottom:

11295

No. Holes:

819

Hole size:

0.38

Provide a brief summary of the formation treatment:

Open Hole: ☐

Fracture stimulate stage 1 with 4168 BBLS Hybrid fluid system placing 241,526 lbs proppant. Set CFP 1 at 11,107' and perforate 5 clusters for stage 2. Pumpdown 179 BBLS, 4347 BBLS total fluid pumped. Fracture stimulate stage 2 with 4684 BBLS Hybrid fluid system placing 247,603 lbs proppant. Set CFP 2 at 10,858', and perforate 5 clusters for stage 3. Fracture stimulate stage 3 with 4100 BBLS Hybrid fluid system placing 250,996 lbs proppant. Set CFP 3 at 10,604', and perforate 5 clusters for stage 4. Fracture stimulate stage 4 with 4086 BBLS Hybrid fluid system placing 249,985 lbs proppant. Set CFP 4 at 10357' and perforate 5 clusters for stage 5. Fracture stimulate stage 5 with 4149 BBLS Hybrid fluid system placing 250,957 lbs proppant. Set CFP 5 at 10112' and perforate 5 clusters for stage 6. Fracture stimulate stage 6 with 4097 BBLS Hybrid fluid system placing 250,809 lbs proppant. Set CFP 6 at 9868' and perforate 5 clusters for stage 7. Fracture stimulate stage 7 with 4107 BBLS Hybrid fluid system placing 251,151lbs proppant. Set CFP 7 at 9624' and perforate 5 clusters for stage 8. Fracture stimulate stage 8 with 4094 BBLS Hybrid fluid system placing 251,221lbs proppant. Set CFP 8 at 9374' and perforate 5 clusters for stage 9. Fracture stimulate stage 9 with 4105 BBLS Hybrid fluid system placing 249,715 lbs proppant. Set CFP 9 at 9130' and perforate 5 clusters for stage 10. Fracture stimulate stage 10 with 4165 BBLS Hybrid fluid system placing 250,832 lbs proppant. Set CFP 10 at 8879' and perforate 5 clusters for stage 11. Fracture stimulate stage 11 with 4116 BBLS Hybrid fluid system placing 251,064 lbs proppant. Set CFP 11 at 8632' and perforate 6 clusters for stage 12. Fracture stimulate stage 12 with 4846 BBLS Hybrid fluid system placing 300,225 lbs proppant. Set CFP 12 at 8347' and perforate 6 clusters for stage 13. Fracture stimulate stage 13 with 4846 BBLS Hybrid fluid system placing 300,389 lbs proppant. Set CFP 13 at 8061' and perforate 6 clusters for stage 14. Fracture stimulate stage 14 with 869 BBLS slickwater fluid system placing 2,300 lbs proppant, screened out. Pumped into stage 13. Set CFP 14 at 7776' and perforate 6 clusters for stage 15. Fracture stimulate stage 15 with 5553 BBLS Hybrid fluid system placing 263,993 lbs proppant. Set CBP @ 6510'. 04-19-12
Drilled out CBP @ 6510', CFP @ 7440', 8061', 8347', 8632', 8879'. 04-28-12
Drilled out CFP @ 9130', 9374', 9624', 9876', 10132', 10356', 10610'. 10866', 11125'. 04-29-12

This formation is commingled with another formation:

☐ Yes ☒ No

Total fluid used in treatment (bbl): 65399

Max pressure during treatment (psi): 7922

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):

Total acid used in treatment (bbl):

Number of staged intervals: 15

Recycled water used in treatment (bbl):

Flowback volume recovered (bbl):

Fresh water used in treatment (bbl):

Disposition method for flowback: RECYCLE

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: 05/01/2012

Hours: 24

Bbl oil: 0

Mcf Gas: 0

Bbl H2O: 791

Calculated 24 hour rate:

Bbl oil: 0

Mcf Gas: 0

Bbl H2O: 791

GOR: 0

Test Method: FLOWING

Casing PSI: 1300

Tubing PSI: 1211

Choke Size:

Gas Disposition: SOLD

Gas Type: DRY

Btu Gas: 1372

API Gravity Oil: 43

Tubing Size: 2 + 3/8

Tubing Setting Depth: 7213

Tbg setting date: 05/02/2012

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: Sheilla Reed-High
Title: Drilling and Comple. Tech Date: _____ Email sheilla.reedhigh@Encana.com
:

Attachment Check List

Att Doc Num	Name
400354876	WELLBORE DIAGRAM

Total Attach: 1 Files

General Comments

User Group	Comment	Comment Date

Total: 0 comment(s)