

**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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400352771

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 &amp; 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 251,151 lbs proppant. Set CFP 7 at 9624' and perforate 5 clusters for stage 8. Fracture stimulate stage 8 with 4094 BBLs Hybrid fluid system placing 251,221 lbs 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](http://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**

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

Total: 0 comment(s)