

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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12/19/2012

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

Completed Interval

FORMATION: NIOBRARA Status: PRODUCING Treatment Type: FRACTURE STIMULATION

Treatment Date: 04/10/2012 End Date: 04/10/2012 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): 0.91

Total acid used in treatment (bbl): _____ Number of staged intervals: 15

Recycled water used in treatment (bbl): 65399 Flowback volume recovered (bbl): _____

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

Total proppant used (lbs): 3612776 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: 20/64

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: 12/19/2012 Email sheilla.reedhigh@Encana.com
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Attachment Check List

Att Doc Num	Name
400352771	FORM 5A SUBMITTED
400354876	WELLBORE DIAGRAM

Total Attach: 2 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Operator sent all data except for flowback volume which they will track going forward. Ready to pass.	1/15/2013 3:02:07 PM
Permit	On hold. Requested: Recycled and fresh water volumes total proppant used minimum frac gradient flowback volume choke size	1/4/2013 2:09:46 PM

Total: 2 comment(s)