

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:

08/30/2012

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: Marina Ayala
Phone: (720) 876-5905
Fax: (720) 876-6905

5. API Number 05-045-20405-00
6. County: GARFIELD
7. Well Name: HMU Fee
Well Number: 16-8D (J16W)
8. Location: QtrQtr: NWSE Section: 16 Township: 7S Range: 93W Meridian: 6
9. Field Name: MAMM CREEK Field Code: 52500

Completed Interval

FORMATION: COZZETTE Status: PRODUCING Treatment Type: FRACTURE STIMULATION

Treatment Date: 07/09/2012 End Date: 07/20/2012 Date of First Production this formation: 07/25/2012

Perforations Top: 10256 Bottom: 10415 No. Holes: 27 Hole size: 0.38

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

Stage 2 treated with a total of: 9524 bbls of Slickwater

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

Total fluid used in treatment (bbl): 9524

Max pressure during treatment (psi): 6558

Total gas used in treatment (mcf): 0

Fluid density at initial fracture (lbs/gal): 8.50

Type of gas used in treatment:

Max frac gradient (psi/ft): 0.72

Total acid used in treatment (bbl): 0

Number of staged intervals: 9

Recycled water used in treatment (bbl): 9524

Flowback volume recovered (bbl): 28522

Fresh water used in treatment (bbl): 0

Disposition method for flowback: RECYCLE

Total proppant used (lbs): 0

Rule 805 green completion techniques were utilized: ☒

Reason why green completion not utilized:

Fracture stimulations must be reported on FracFocus.org

Test Information:

Date: 07/30/2012 Hours: 24 Bbl oil: 0 Mcf Gas: 1054 Bbl H2O: 569

Calculated 24 hour rate: Bbl oil: 0 Mcf Gas: 1054 Bbl H2O: 569 GOR: 0

Test Method: Flowing Casing PSI: 875 Tubing PSI: Choke Size: 24/64

Gas Disposition: SOLD Gas Type: DRY Btu Gas: 1170 API Gravity Oil: 0

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: <u>CORCORAN</u>		Status: <u>PRODUCING</u>		Treatment Type: <u>FRACTURE STIMULATION</u>	
Treatment Date: <u>07/09/2012</u>		End Date: <u>07/20/2012</u>		Date of First Production this formation: <u>07/25/2012</u>	
Perforations	Top: <u>10462</u>	Bottom: <u>10547</u>	No. Holes: <u>27</u>	Hole size: <u>0.38</u>	
Provide a brief summary of the formation treatment:			Open Hole: <input type="checkbox"/>		
Stage 1 treated with a total of: 9524 bbls of Slickwater.					
This formation is commingled with another formation:			<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Total fluid used in treatment (bbl): <u>9524</u>			Max pressure during treatment (psi): <u>6558</u>		
Total gas used in treatment (mcf): <u>0</u>			Fluid density at initial fracture (lbs/gal): <u>8.50</u>		
Type of gas used in treatment: _____			Max frac gradient (psi/ft): <u>0.72</u>		
Total acid used in treatment (bbl): <u>0</u>			Number of staged intervals: <u>9</u>		
Recycled water used in treatment (bbl): <u>9524</u>			Flowback volume recovered (bbl): <u>28522</u>		
Fresh water used in treatment (bbl): <u>0</u>			Disposition method for flowback: <u>RECYCLE</u>		
Total proppant used (lbs): <u>0</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: <u>07/30/2012</u>	Hours: <u>24</u>	Bbl oil: <u>0</u>	Mcf Gas: <u>1054</u>	Bbl H2O: <u>569</u>	
Calculated 24 hour rate:	Bbl oil: <u>0</u>	Mcf Gas: <u>1054</u>	Bbl H2O: <u>569</u>	GOR: <u>0</u>	
Test Method: <u>Flowing</u>	Casing PSI: <u>875</u>	Tubing PSI: _____	Choke Size: <u>24/64</u>		
Gas Disposition: <u>SOLD</u>	Gas Type: <u>DRY</u>	Btu Gas: <u>1170</u>	API Gravity Oil: <u>0</u>		
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: WILLIAMS FORK Status: PRODUCING Treatment Type: FRACTURE STIMULATION
Treatment Date: 07/09/2012 End Date: 07/20/2012 Date of First Production this formation: 07/25/2012
Perforations Top: 7808 Bottom: 9719 No. Holes: 189 Hole size: 0.38
Provide a brief summary of the formation treatment: _____ Open Hole: ☐

Stages 3-9 treated with a total of: 61,912 bbls of Slickwater.

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

Total fluid used in treatment (bbl): 61912

Max pressure during treatment (psi): 6558

Total gas used in treatment (mcf): 0

Fluid density at initial fracture (lbs/gal): 8.50

Type of gas used in treatment: _____

Max frac gradient (psi/ft): 0.72

Total acid used in treatment (bbl): 0

Number of staged intervals: 9

Recycled water used in treatment (bbl): 61912

Flowback volume recovered (bbl): 28522

Fresh water used in treatment (bbl): 0

Disposition method for flowback: RECYCLE

Total proppant used (lbs): 0

Rule 805 green completion techniques were utilized: ☒

Reason why green completion not utilized: _____

Fracture stimulations must be reported on FracFocus.org

Test Information:

Date: 07/30/2012 Hours: 24 Bbl oil: 0 Mcf Gas: 1054 Bbl H2O: 569
Calculated 24 hour rate: Bbl oil: 0 Mcf Gas: 1054 Bbl H2O: 569 GOR: 0
Test Method: Flowing Casing PSI: 875 Tubing PSI: _____ Choke Size: 24/64
Gas Disposition: SOLD Gas Type: DRY Btu Gas: 1170 API Gravity Oil: 0
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:

Tubing has not been landed on this well. Encana will land tubing in 2-3 months. A new 5A will be submitted.

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

Signed: _____ Print Name: Marina Ayala

Title: Permitting Technician Date: 8/30/2012 Email: marina.ayala@encana.com

Attachment Check List

Att Doc Num	Name
400322534	FORM 5A SUBMITTED
400322546	WELLBORE DIAGRAM

Total Attach: 2 Files

General Comments

User Group	Comment	Comment Date
Permit	sundry sub. to add ILES as permitted fm.	9/14/2012 10:54:26 AM

Total: 1 comment(s)