

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:

400391680

Date Received:

03/28/2013

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

5. API Number 05-123-34127-00	6. County: WELD
7. Well Name: FILE	Well Number: 41-17
8. Location: QtrQtr: NWNE Section: 17 Township: 2N Range: 68W Meridian: 6	
9. Field Name: WATTENBERG	Field Code: 90750

Completed Interval

FORMATION: <u>CODELL</u>		Status: <u>COMMINGLED</u>		Treatment Type: <u>FRACTURE STIMULATION</u>	
Treatment Date: <u>09/25/2012</u>		End Date: <u>09/25/2012</u>		Date of First Production this formation: <u>12/11/2012</u>	
Perforations	Top: <u>7592</u>	Bottom: <u>7606</u>	No. Holes: <u>42</u>	Hole size: <u>0.42</u>	

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

Set RBP @ 7650'. 09-25-12
 Frac'd the Codell 7,592-7606' (42 holes) w/ 87,570 gal 22# Vistar Hybrid cross linked gel containing 250,880 # 30/50 sand. 09-25-12

This formation is commingled with another formation: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Total fluid used in treatment (bbl): <u>2700</u>	Max pressure during treatment (psi): <u>4242</u>
Total gas used in treatment (mcf): _____	Fluid density at initial fracture (lbs/gal): <u>8.34</u>
Type of gas used in treatment: _____	Min frac gradient (psi/ft): <u>0.74</u>
Total acid used in treatment (bbl): _____	Number of staged intervals: <u>1</u>
Recycled water used in treatment (bbl): <u>2700</u>	Flowback volume recovered (bbl): <u>459</u>
Fresh water used in treatment (bbl): _____	Disposition method for flowback: <u>DISPOSAL</u>
Total proppant used (lbs): <u>250880</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

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: <input type="checkbox"/> Yes <input type="checkbox"/> No	If yes, number of sacks cmt _____
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** Bridge Plug Depth: _____
 ** Sacks cement on top: _____
 ** Wireline and Cement Job Summary must be attached.

FORMATION: J-NIOBRARA-CODELL Status: COMMINGLED Treatment Type: _____

Treatment Date: _____ End Date: _____ Date of First Production this formation: 12/11/2012

Perforations Top: 7394 Bottom: 7893 No. Holes: 138 Hole size: 0.42

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

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

Total fluid used in treatment (bbl): _____ Max pressure during treatment (psi): _____

Total gas used in treatment (mcf): _____ Fluid density at initial fracture (lbs/gal): _____

Type of gas used in treatment: _____ Min frac gradient (psi/ft): _____

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

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

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

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: 12/12/2012 Hours: 24 Bbl oil: 130 Mcf Gas: 344 Bbl H2O: 8

Calculated 24 hour rate: Bbl oil: 130 Mcf Gas: 344 Bbl H2O: 8 GOR: 2646

Test Method: FLOWING Casing PSI: 944 Tubing PSI: _____ Choke Size: 12/64

Gas Disposition: SOLD Gas Type: DRY Btu Gas: 1250 API Gravity Oil: 1

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>J SAND</u>		Status: <u>PRODUCING</u>		Treatment Type: <u>FRACTURE STIMULATION</u>	
Treatment Date: <u>09/25/2012</u>		End Date: <u>09/25/2012</u>		Date of First Production this formation: <u>12/11/2012</u>	
Perforations	Top: <u>7869</u>	Bottom: <u>7893</u>	No. Holes: <u>48</u>	Hole size: <u>0.42</u>	

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

Frac'd the J-Sand 7869-7893, (48 holes)w/ 63,378gal 18 # Vistar Hybrid cross linked gel containing 250,460 # 20/40 Sand. 09-25-12

This formation is commingled with another formation: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Total fluid used in treatment (bbl): <u>3784</u>	Max pressure during treatment (psi): <u>4523</u>
Total gas used in treatment (mcf): _____	Fluid density at initial fracture (lbs/gal): <u>8.34</u>
Type of gas used in treatment: _____	Min frac gradient (psi/ft): <u>0.62</u>
Total acid used in treatment (bbl): _____	Number of staged intervals: <u>1</u>
Recycled water used in treatment (bbl): <u>3784</u>	Flowback volume recovered (bbl): <u>459</u>
Fresh water used in treatment (bbl): _____	Disposition method for flowback: <u>DISPOSAL</u>
Total proppant used (lbs): <u>250460</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

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: <input type="checkbox"/> Yes <input type="checkbox"/> No	If yes, number of sacks cmt _____
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** Bridge Plug Depth: _____
 ** Sacks cement on top: _____
 ** Wireline and Cement Job Summary must be attached.

FORMATION: NIOBRARA-CODELL Status: PRODUCING Treatment Type: FRACTURE STIMULATION

Treatment Date: 09/25/2012 End Date: 09/25/2012 Date of First Production this formation: 12/11/2012

Perforations Top: 7394 Bottom: 7606 No. Holes: 90 Hole size: 0.42

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

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

Total fluid used in treatment (bbl): _____ Max pressure during treatment (psi): _____

Total gas used in treatment (mcf): _____ Fluid density at initial fracture (lbs/gal): _____

Type of gas used in treatment: _____ Min frac gradient (psi/ft): _____

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

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

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

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: _____ 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.

FORMATION: NIOBRARA Status: COMMINGLED Treatment Type: FRACTURE STIMULATION
Treatment Date: 09/25/2012 End Date: 09/25/2012 Date of First Production this formation: 12/11/2012
Perforations Top: 7394 Bottom: 7406 No. Holes: 48 Hole size: 0.42
Provide a brief summary of the formation treatment: Open Hole: ☐

Set RBP @ 7440'. 09-25-12
Niobrara 7394-7406', (48 holes), w/ 98,238 gals 18 # Vistar Hybrid cross linked
gel containing 250,320 # 30/50 sand. 09-25-12

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

Total fluid used in treatment (bbl): 3235 Max pressure during treatment (psi): 4663
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): 0.85
Total acid used in treatment (bbl): Number of staged intervals: 1
Recycled water used in treatment (bbl): 3235 Flowback volume recovered (bbl): 459
Fresh water used in treatment (bbl): Disposition method for flowback: DISPOSAL
Total proppant used (lbs): 250320 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.

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 Compl. Tech. Date: 3/28/2013 Email: sheilla.reedhigh@Encana.com

Attachment Check List

Att Doc Num	Name
400391680	FORM 5A SUBMITTED
400397445	WELLBORE DIAGRAM

Total Attach: 2 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Per operator removed tubing PSI. ok to pass.	5/3/2013 2:05:07 PM
Permit	ON HOLD: requesting tubing size, date, & depth.	4/5/2013 2:10:04 PM

Total: 2 comment(s)