

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:

400371857

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: 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 05-123-33124-00	6. County: WELD
7. Well Name: OSKARSON	Well Number: 4-6-33
8. Location: QtrQtr: SWSW Section: 33 Township: 2N Range: 68W Meridian: 6	
9. Field Name: SPINDLE	Field Code: 77900

Completed Interval

FORMATION: <u>CODELL</u>		Status: <u>COMMINGLED</u>		Treatment Type: <u>FRACTURE STIMULATION</u>	
Treatment Date: <u>08/15/2012</u>		End Date: <u>09/13/2012</u>		Date of First Production this formation: <u>12/02/2012</u>	
Perforations	Top: <u>7941</u>	Bottom: <u>7955</u>	No. Holes: <u>42</u>	Hole size: <u>0.42</u>	

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

Set CFP @ 7995'. 08-20-12
 Frac'd the Codell 7,941-7955' (42 holes) w/ 86,982 gal 22# Vistar Hybrid cross linked gel containing 250,140 # 30/50 sand. 08-21-12

This formation is commingled with another formation: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Total fluid used in treatment (bbl): <u>2706</u>	Max pressure during treatment (psi): <u>5447</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>0.71</u>
Total acid used in treatment (bbl): _____	Number of staged intervals: <u>1</u>
Recycled water used in treatment (bbl): <u>2706</u>	Flowback volume recovered (bbl): _____
Fresh water used in treatment (bbl): _____	Disposition method for flowback: <u>DISPOSAL</u>
Total proppant used (lbs): <u>250140</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: 12/02/2012
Perforations Top: 7713 Bottom: 8404 No. Holes: 134 Hole size: 0.42
Provide a brief summary of the formation treatment: _____ Open Hole: ☐

Set CBP @ 7615'. 09-12-12
Drilled out CBP and CFP's to commingle the JSND-NBRR-CDL. 09-13-12

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: 12/02/2012 Hours: 24 Bbl oil: 99 Mcf Gas: 350 Bbl H2O: 53
Calculated 24 hour rate: Bbl oil: 99 Mcf Gas: 350 Bbl H2O: 53 GOR: 3535
Test Method: FLOWING Casing PSI: 928 Tubing PSI: 251 Choke Size: 12/64
Gas Disposition: SOLD Gas Type: DRY Btu Gas: _____ API Gravity Oil: _____
Tubing Size: 2 + 3/8 Tubing Setting Depth: 8363 Tbg setting date: 09/13/2012 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.

FORMATION: J SAND		Status: PRODUCING		Treatment Type: FRACTURE STIMULATION	
Treatment Date: 08/15/2012		End Date: 09/13/2012		Date of First Production this formation: 12/02/2012	
Perforations	Top: 8374	Bottom: 8404	No. Holes: 44	Hole size: 0.42	

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

Frac'd the J-Sand 8374-8378', 8386-8404', (44 holes)w/ 61,740 gal 18 # Vistar Hybrid cross linked gel containing 250,400 # 20/40 Sand. 08-20-12

This formation is commingled with another formation: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Total fluid used in treatment (bbl): 3748	Max pressure during treatment (psi): 3557	
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): 0.55	
Total acid used in treatment (bbl):	Number of staged intervals: 1	
Recycled water used in treatment (bbl): 3748	Flowback volume recovered (bbl):	
Fresh water used in treatment (bbl):	Disposition method for flowback: DISPOSAL	
Total proppant used (lbs): 250400	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: _____	
Treatment Date: _____		End Date: _____		Date of First Production this formation: 12/02/2012	
Perforations	Top: 7713	Bottom: 8404	No. Holes: 90	Hole size: 0.42	
Provide a brief summary of the formation treatment:			Open Hole: <input type="checkbox"/>		
This formation is commingled with another formation:			<input checked="" type="checkbox"/> Yes <input type="checkbox"/> 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: <input type="checkbox"/>		
Reason why green completion not utilized: _____					
Fracture stimulations must be reported on FracFocus.org					
<u>Test Information:</u>					
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: <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: NIOBRARA Status: COMMINGLED Treatment Type: FRACTURE STIMULATION

Treatment Date: 08/15/2012 End Date: 09/13/2012 Date of First Production this formation: 12/02/2012

Perforations Top: 7713 Bottom: 7725 No. Holes: 48 Hole size: 0.42

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

Set CFP @ 7775'. 08-21-12
Frac'd the Niobrara 7713-7725' (48 holes), w/ 99,540 gals 18 # Vistar Hybrid cross linked gel containing 250,140 # 30/50 sand. 08-22-12

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

Total fluid used in treatment (bbl): 3302 Max pressure during treatment (psi): 3657
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): 0.80
Total acid used in treatment (bbl): Number of staged intervals: 1
Recycled water used in treatment (bbl): 3302 Flowback volume recovered (bbl):
Fresh water used in treatment (bbl): Disposition method for flowback: DISPOSAL
Total proppant used (lbs): 250140 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:

API Gravity and BTU information not available in the system yet.

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: Email: sheilla.reedhigh@Encana.com

Attachment Check List

Att Doc Num	Name
400372082	WELLBORE DIAGRAM

Total Attach: 1 Files

General Comments

User Group	Comment	Comment Date

Total: 0 comment(s)