

FORM
5ARev
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:

400481378

Date Received:

09/24/2013

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: 10110
 2. Name of Operator: GREAT WESTERN OPERATING COMPANY LLC
 3. Address: 1801 BROADWAY #500
 City: DENVER State: CO Zip: 80202
 4. Contact Name: Callie Fiddes
 Phone: (303) 398-0550
 Fax:
 Email: regulatorypermitting@gwogco.com

5. API Number 05-123-36037-00
 6. County: WELD
 7. Well Name: Andrews
 Well Number: 26-24
 8. Location: QtrQtr: SESW Section: 26 Township: 7N Range: 65W Meridian: 6
 9. Field Name: WATTENBERG Field Code: 90750

Completed Interval

FORMATION: CODELL Status: COMMINGLED Treatment Type: FRACTURE STIMULATION

Treatment Date: 11/05/2012 End Date: 11/05/2012 Date of First Production this formation: 12/19/2012

Perforations Top: 7233 Bottom: 7248 No. Holes: 36 Hole size: 7/20

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

Total 7,500 lbs 100 mesh, 115,780 lbs 30/50 Ottawa, Pumped 0.5 ppa to 2.0 ppa in 3020 bbls of fluid. Total fluid pumped 7275.9 bbls.

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

Total fluid used in treatment (bbl): 7275

Max pressure during treatment (psi): 6592

Total gas used in treatment (mcf): 0

Fluid density at initial fracture (lbs/gal): 8.34

Type of gas used in treatment:

Min frac gradient (psi/ft): 0.90

Total acid used in treatment (bbl): 0

Number of staged intervals: 1

Recycled water used in treatment (bbl): 0

Flowback volume recovered (bbl): 1293

Fresh water used in treatment (bbl): 7275

Disposition method for flowback: DISPOSAL

Total proppant used (lbs): 115780

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-CODELL		Status: PRODUCING		Treatment Type: FRACTURE STIMULATION	
Treatment Date: _____		End Date: _____		Date of First Production this formation: 12/19/2012	
Perforations	Top: 6966	Bottom: 7248	No. Holes: 54	Hole size: 7/20	
Provide a brief summary of the formation treatment:			Open Hole: <input type="checkbox"/>		
This formation is commingled with another formation:			<input type="checkbox"/> Yes <input checked="" 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					
Test Information:					
Date: 12/20/2012	Hours: 24	Bbl oil: 36	Mcf Gas: 19	Bbl H2O: 74	
Calculated 24 hour rate:	Bbl oil: 36	Mcf Gas: 19	Bbl H2O: 7	GOR: 515	
Test Method: Test Separator	Casing PSI: 750	Tubing PSI: _____	Choke Size: 12/64		
Gas Disposition: SOLD	Gas Type: WET	Btu Gas: 1240	API Gravity Oil: 44		
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: 11/05/2012 End Date: 11/05/2012 Date of First Production this formation: 12/19/2012

Perforations Top: 6966 Bottom: 7136 No. Holes: 18 Hole size: 7/20

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

Total 185,450 lbs 40/70 Ottawa, 4,000 lbs 20/40 SLC Pumped 0.5 ppa to 2.0 ppa in 4333 bbls of fluid. Total fluid pumped 5541.2 bbls.

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

Total fluid used in treatment (bbl): 5541 Max pressure during treatment (psi): 6409

Total gas used in treatment (mcf): 0 Fluid density at initial fracture (lbs/gal): 8.34

Type of gas used in treatment: _____ Min frac gradient (psi/ft): 0.93

Total acid used in treatment (bbl): 0 Number of staged intervals: 1

Recycled water used in treatment (bbl): 0 Flowback volume recovered (bbl): 1293

Fresh water used in treatment (bbl): 5541 Disposition method for flowback: DISPOSAL

Total proppant used (lbs): 185450 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: Callie Fiddes

Title: Regulatory Tech Date: 9/24/2013 Email: regulatorypermitting@gwogco.com

Attachment Check List

Att Doc Num Name

400481378 FORM 5A SUBMITTED

Total Attach: 1 Files

General Comments

User Group	Comment	Comment Date
Permit	Corrected frac data per operator. Ready to pass.	2/21/2014 3:22:04 PM
Permit	Received frac summaries. Codell frac summary does not match frac data.	2/21/2014 9:55:59 AM

Total: 2 comment(s)