

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:

400592910

Date Received:

04/21/2014

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: 10084  
2. Name of Operator: PIONEER NATURAL RESOURCES USA INC  
3. Address: 1401 17TH ST STE 1200  
City: DENVER State: CO Zip: 80202  
4. Contact Name: Judy Glinisty  
Phone: (303) 675-2658  
Fax: (303) 294-1275  
Email: Judy.Glinisty@pxd.com

5. API Number 05-071-07043-00  
6. County: LAS ANIMAS  
7. Well Name: LOUDERBACK  
Well Number: 12-27  
8. Location: QtrQtr: SWNW Section: 27 Township: 32S Range: 66W Meridian: 6  
9. Field Name: PURGATOIRE RIVER Field Code: 70830

Completed Interval

FORMATION: RATON-VERMEJO COALS Status: PRODUCING Treatment Type:  
Treatment Date: End Date: Date of First Production this formation: 04/10/2014  
Perforations Top: 550 Bottom: 1970 No. Holes: 280 Hole size: 0.48  
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: 04/12/2014 Hours: 24 Bbl oil: 0 Mcf Gas: 87 Bbl H2O: 100  
Calculated 24 hour rate: Bbl oil: 0 Mcf Gas: 87 Bbl H2O: 100 GOR: 0  
Test Method: Pumping Casing PSI: 48 Tubing PSI: 0 Choke Size: 18/64  
Gas Disposition: SOLD Gas Type: COAL GAS Btu Gas: 1003 API Gravity Oil: 0  
Tubing Size: 2 + 7/8 Tubing Setting Depth: 2006 Tbg setting date: 04/07/2014 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>RATON COAL</u>		Status: <u>COMMINGLED</u>		Treatment Type: <u>FRACTURE STIMULATION</u>	
Treatment Date: <u>03/26/2014</u>		End Date: <u>03/27/2014</u>		Date of First Production this formation: <u>04/10/2014</u>	
Perforations	Top: <u>550</u>	Bottom: <u>1287</u>	No. Holes: <u>208</u>	Hole size: <u>0.48</u>	

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

Fraced intervals at 550' - 553' , 565' - 568' , 644' - 647' , 662' - 665' , 724' - 727' , 1049' - 1052' , 1099' - 1102' , 1118' - 1123' , 1135' - 1140' , 1144' - 1149' , 1199' - 1206' , 1231' - 1234' , 1249' - 1252' , 1284' - 1287'.

This formation is commingled with another formation: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Total fluid used in treatment (bbl): <u>1754</u>	Max pressure during treatment (psi): <u>4340</u>		
Total gas used in treatment (mcf): <u>2079</u>	Fluid density at initial fracture (lbs/gal): <u>8.35</u>		
Type of gas used in treatment: <u>NITROGEN</u>	Min frac gradient (psi/ft): <u>0.89</u>		
Total acid used in treatment (bbl): <u>8</u>	Number of staged intervals: <u>10</u>		
Recycled water used in treatment (bbl): <u>1754</u>	Flowback volume recovered (bbl): <u>54</u>		
Fresh water used in treatment (bbl): <u>0</u>	Disposition method for flowback: <u>DISPOSAL</u>		
Total proppant used (lbs): <u>300086</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: VERMEJO COAL Status: COMMINGLED Treatment Type: FRACTURE STIMULATION

Treatment Date: 03/26/2001 End Date: 03/26/2001 Date of First Production this formation: 04/01/2001

Perforations Top: 1745 Bottom: 1970 No. Holes: 72 Hole size: 0.48

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: 06/10/2001 Hours: 24 Bbl oil: 0 Mcf Gas: 155 Bbl H2O: 31

Calculated 24 hour rate: Bbl oil: 0 Mcf Gas: 155 Bbl H2O: 31 GOR: 0

Test Method: Pumping Casing PSI: 25 Tubing PSI: 0 Choke Size: 28/64

Gas Disposition: SOLD Gas Type: COAL GAS Btu Gas: 1003 API Gravity Oil: 0

Tubing Size: 2 + 7/8 Tubing Setting Depth: 1991 Tbg setting date: 03/28/2001 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: Judy Glinisty

Title: Lead Engineering Tech Date: 4/21/2014 Email: Judy.Glinisty@pxd.com

**Attachment Check List**

Att Doc Num	Name
400592910	FORM 5A SUBMITTED

Total Attach: 1 Files

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User Group	Comment	Comment Date

Total: 0 comment(s)