

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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Date Received:

11/20/2013

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: 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 05-071-09572-00  
6. County: LAS ANIMAS  
7. Well Name: CREED  
Well Number: 11-19  
8. Location: QtrQtr: NWNW Section: 19 Township: 32S Range: 67W 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: 10/14/2013  
Perforations Top: 1506 Bottom: 3046 No. Holes: 296 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: 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: <u>RATON COAL</u>		Status: <u>COMMINGLED</u>		Treatment Type: <u>FRACTURE STIMULATION</u>	
Treatment Date: <u>10/14/2013</u>		End Date: <u>10/14/2013</u>		Date of First Production this formation: <u>11/04/2008</u>	
Perforations	Top: <u>1506</u>	Bottom: <u>2546</u>	No. Holes: <u>236</u>	Hole size: <u>0.48</u>	

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

Fraced intervals at 1506' - 1510' , 1546' - 1549' , 1637' - 1648' , 1653' - 1656' , 1862' - 1867' - 1873' - 1876' - 1926' - 1933' , 2002' - 2007' , 2079' - 2076' . 20/40 - 344,548# - N2 - 2,393,768 hscf - 80 gals 15% HCL

This formation is commingled with another formation: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Total fluid used in treatment (bbl): <u>1324</u>	Max pressure during treatment (psi): <u>4000</u>	
Total gas used in treatment (mcf): <u>239376</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>0.47</u>	
Total acid used in treatment (bbl): <u>1</u>	Number of staged intervals: <u>7</u>	
Recycled water used in treatment (bbl): <u>1324</u>	Flowback volume recovered (bbl): <u>403</u>	
Fresh water used in treatment (bbl): <u>0</u>	Disposition method for flowback: <u>DISPOSAL</u>	
Total proppant used (lbs): <u>344548</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: <u>10/26/2013</u>	Hours: <u>24</u>	Bbl oil: <u>0</u>	Mcf Gas: <u>108</u>	Bbl H2O: <u>82</u>
Calculated 24 hour rate:	Bbl oil: <u>0</u>	Mcf Gas: <u>108</u>	Bbl H2O: <u>82</u>	GOR: <u>0</u>
Test Method: <u>Pumping</u>	Casing PSI: <u>98</u>	Tubing PSI: <u>0</u>	Choke Size: <u>16/64</u>	
Gas Disposition: <u>SOLD</u>	Gas Type: <u>COAL GAS</u>	Btu Gas: <u>1003</u>	API Gravity Oil: <u>0</u>	
Tubing Size: <u>2 + 7/8</u>	Tubing Setting Depth: <u>3089</u>	Tbg setting date: <u>10/23/2013</u>	Packer Depth: <u>0</u>	

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: \_\_\_\_\_  
Treatment Date: 10/29/2008 End Date: 10/29/2008 Date of First Production this formation: 11/04/2008  
Perforations Top: 2710 Bottom: 3046 No. Holes: 60 Hole size: 0.48

Provide a brief summary of the formation treatment:

Open Hole: ☐

Fraced intervals at 2710' - 2713' , 2816' - 2819' , 2826' - 2829' , 2933' - 2936' , 3043' - 3046'.  
20/40 - 78,000# - N2 - 1,205,600 SCF - 850 bbls 70% foam - 336 gals 15% HCL.

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: 11/10/2008 Hours: 24 Bbl oil: 0 Mcf Gas: 41 Bbl H2O: 89  
Calculated 24 hour rate: Bbl oil: 0 Mcf Gas: 41 Bbl H2O: 89 GOR: 0  
Test Method: Pumping Casing PSI: 101 Tubing PSI: 0 Choke Size: 16/64  
Gas Disposition: SOLD Gas Type: COAL GAS Btu Gas: 1003 API Gravity Oil: 0  
Tubing Size: 2 + 7/8 Tubing Setting Depth: 3084 Tbg setting date: 11/04/2008 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: 11/20/2013 Email: Judy.Glinisty@pxd.com  
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### Attachment Check List

Att Doc Num	Name
400516144	FORM 5A SUBMITTED

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