

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:

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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

5. API Number 05-071-07853-00  
6. County: LAS ANIMAS  
7. Well Name: SAN PABLO  
Well Number: 11-4  
8. Location: QtrQtr: NWNW Section: 4 Township: 33S 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: 10/15/2013  
Perforations Top: 977 Bottom: 2335 No. Holes: 312 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: 10/17/2013 Hours: 24 Bbl oil: 0 Mcf Gas: 126 Bbl H2O: 100  
Calculated 24 hour rate: Bbl oil: Mcf Gas: 126 Bbl H2O: 100 GOR: 0  
Test Method: Pumping Casing PSI: 90 Tubing PSI: 0 Choke Size: 64/64  
Gas Disposition: Gas Type: Btu Gas: 1005 API Gravity Oil: 0  
Tubing Size: 2 + 7/8 Tubing Setting Depth: 2299 Tbg setting date: 10/15/2013 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>10/07/2013</u>		End Date: <u>10/08/2013</u>		Date of First Production this formation: <u>10/15/2013</u>	
Perforations	Top: <u>977</u>	Bottom: <u>1539</u>	No. Holes: <u>244</u>	Hole size: <u>0.48</u>	

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

Fraced intervals 977' - 982' , 994' - 997' , 1083' - 1086' , 1100' - 1104' , 1136' - 1142' , 1149' - 1152' , 1168' - 1172' , 1223' - 1226' , 1240' - 1249' , 1259' - 1266' , 1369' - 1372' , 1378' - 1382' , 1525' - 1529' , 1536' - 1539'. 20/40 - 352,689# - N2 - 2,168,631 hscf - no acid

This formation is commingled with another formation: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Total fluid used in treatment (bbl): <u>1493</u>	Max pressure during treatment (psi): <u>4474</u>
Total gas used in treatment (mcf): <u>216863</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>0.69</u>
Total acid used in treatment (bbl): <u>0</u>	Number of staged intervals: <u>9</u>
Recycled water used in treatment (bbl): <u>1493</u>	Flowback volume recovered (bbl): <u>445</u>
Fresh water used in treatment (bbl): <u>0</u>	Disposition method for flowback: <u>DISPOSAL</u>
Total proppant used (lbs): <u>893526</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>10/17/2013</u>	Hours: <u>24</u>	Bbl oil: <u>0</u>	Mcf Gas: <u>126</u>	Bbl H2O: <u>100</u>
Calculated 24 hour rate:	Bbl oil: <u>0</u>	Mcf Gas: <u>126</u>	Bbl H2O: <u>100</u>	GOR: <u>0</u>
Test Method: <u>Pumping</u>	Casing PSI: <u>90</u>	Tubing PSI: <u>0</u>	Choke Size: <u>64/64</u>	
Gas Disposition: <u>SOLD</u>	Gas Type: <u>COAL GAS</u>	Btu Gas: <u>1005</u>	API Gravity Oil: <u>0</u>	
Tubing Size: <u>2 + 7/8</u>	Tubing Setting Depth: <u>2299</u>	Tbg setting date: <u>10/15/2013</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: FRACTURE STIMULATION  
Treatment Date: 10/13/2003 End Date: 10/13/2003 Date of First Production this formation: 10/15/2013  
Perforations Top: 1927 Bottom: 2335 No. Holes: 68 Hole size: 0.48  
Provide a brief summary of the formation treatment: Open Hole: ☐

Fraced 1927' - 1930', 2011' - 2014', 2276' - 2283', 2331' - 2335'.  
16/30 - 202,000# - N2 - 1,576,900 SCF - 1,231 bbls foam - 588 gals 8% 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: 01/11/2004 Hours: 24 Bbl oil: 0 Mcf Gas: 76 Bbl H2O: 35  
Calculated 24 hour rate: Bbl oil: 0 Mcf Gas: 76 Bbl H2O: 35 GOR: 0  
Test Method: Pumping Casing PSI: 45 Tubing PSI: 0 Choke Size: 30/64  
Gas Disposition: SOLD Gas Type: COAL GAS Btu Gas: 1005 API Gravity Oil: 0  
Tubing Size: 2 + 7/8 Tubing Setting Depth: 2350 Tbg setting date: 10/16/2003 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

#### Attachment Check List

**Att Doc Num** **Name**

400514853 FORM 5A SUBMITTED

Total Attach: 1 Files

#### General Comments

User Group	Comment	Comment Date
Permit	Filled out incorrectly.	11/26/2013 9:05:59 AM

Total: 1 comment(s)