

FORM  
5A

Rev  
09/20

## 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:

402707805

Date Received:

06/03/2021

### 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: <u>10705</u>	4. Contact Name: <u>Mackenzie Smith</u>
2. Name of Operator: <u>EVERGREEN NATURAL RESOURCES LLC</u>	Phone: <u>(303) 2848820</u>
3. Address: <u>1875 LAWRENCE ST STE 1150</u>	Fax: _____
City: <u>DENVER</u> State: <u>CO</u> Zip: <u>80202</u>	Email: <u>mackenzie.smith@enrllc.com</u>
5. API Number <u>05-071-07938-00</u>	6. County: <u>LAS ANIMAS</u>
7. Well Name: <u>COOPER</u>	Well Number: <u>11-13</u>
8. Location: QtrQtr: <u>NWNW</u> Section: <u>13</u> Township: <u>32S</u> Range: <u>67W</u> Meridian: <u>6</u>	
9. Field Name: <u>PURGATOIRE RIVER</u> Field Code: <u>70830</u>	

## Completed Interval

FORMATION: RATON-VERMEJO COALS Status: PRODUCING Treatment Type: HYDRAULIC FRACTURING  
Treatment Date: 04/26/2021 End Date: 04/27/2021 Date this Formation was Completed: 05/21/2021  
Perforations Top: 1210 Bottom: 2788 No. Holes: 204 Hole size: 0.48 Open Hole: ☐

Describe the Formation Treatment, including the following: type of fluid used (gel, slickwater, etc.), type and concentration of acid used (HCl, HF, etc.), types and amounts of proppant(s) used, depth details of multiple zones, and method used to determine flowback volume.

Perforated [2548-52', 2444-54', 2328-31', 2090-94', 2044-56', 1956-59', 1888-92', 1733-37', 1626-30', 1210-14']. Stimulated 2328-31', 2090-94', 2044-56', 1956-59', 1888-92', 1733-37', 1626-30', 1210-14' for a total of 8 stages. Spearhead each stage with 7.5% HCl, stimulate with produced water. 22 bbls 7.5% HCl, 1354 bbls produced water, 1,409,000 scf nitrogen, and 174,600 lbs 16/30 proppant pumped. Well left shut in, no flowback fluid.

This formation is commingled with another formation: ☐ Yes ☒ No  
Total fluid used in treatment (bbl): 1376 Max pressure during treatment (psi): 4406  
Total gas used in treatment (mcf): 1409 Fluid density at initial fracture (lbs/gal): \_\_\_\_\_  
Type of gas used in treatment: NITROGEN Min frac gradient (psi/ft): 0.67  
Total acid used in treatment (bbl): 22 Number of staged intervals: 8  
Recycled or Reused Fluids used in treatment (bbl): 1354 Flowback volume recovered (bbl): 0  
Fresh water used in treatment (bbl): 0 Disposition method for flowback: \_\_\_\_\_  
Total proppant used (lbs): 174600

**Fracture stimulations must be reported on FracFocus.org**

### Test Information:

05/21/2021 Hours: 24 Bbl oil: 0 Mcf Gas: 48 Bbl H2O: 21  
Date Calculated 24 hour rate: Bbl oil: 0 Mcf Gas: 48 Bbl H2O: 21 GOR: \_\_\_\_\_  
Test Method: Pumping Casing PSI: 31 Tubing PSI: \_\_\_\_\_ Choke Size: 16/64  
Gas Disposition: SOLD Gas Type: COAL GAS Btu Gas: 1002 API Gravity Oil: 0  
Tubing Size: 2 + 7/8 Tubing Setting Depth: 2730 Tbg setting date: 05/13/2021 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: RATON COAL Status: COMMINGLED Treatment Type: \_\_\_\_\_  
Treatment Date: \_\_\_\_\_ End Date: \_\_\_\_\_ Date this Formation was Completed: 05/21/2021  
Perforations Top: 1210 Bottom: 2454 No. Holes: 108 Hole size: 0.46 Open Hole: ☐

Describe the Formation Treatment, including the following: type of fluid used (gel, slickwater, etc.), type and concentration of acid used (HCl, HF, etc.), types and amounts of proppant(s) used, depth details of multiple zones, and method used to determine flowback volume.

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 or Reused Fluids used in treatment (bbl): \_\_\_\_\_ Flowback volume recovered (bbl): \_\_\_\_\_  
Fresh water used in treatment (bbl): \_\_\_\_\_ Disposition method for flowback: \_\_\_\_\_  
Total proppant used (lbs): \_\_\_\_\_

Fracture stimulations must be reported on FracFocus.org

**Test Information:**

Hours: \_\_\_\_\_ Bbl oil: \_\_\_\_\_ Mcf Gas: \_\_\_\_\_ Bbl H2O: \_\_\_\_\_  
Date: \_\_\_\_\_ 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: VERMEJO COAL Status: COMMINGLED Treatment Type: \_\_\_\_\_  
Treatment Date: \_\_\_\_\_ End Date: \_\_\_\_\_ Date this Formation was Completed: 05/10/2004  
Perforations Top: 2471 Bottom: 2788 No. Holes: 96 Hole size: 0.48 Open Hole: ☐  
Describe the Formation Treatment, including the following: type of fluid used (gel, slickwater, etc.), type and concentration of acid used (HCl, HF, etc.), types and amounts of proppant(s) used, depth details of multiple zones, and method used to determine flowback volume.

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 or Reused Fluids used in treatment (bbl): \_\_\_\_\_ Flowback volume recovered (bbl): \_\_\_\_\_  
Fresh water used in treatment (bbl): \_\_\_\_\_ Disposition method for flowback: \_\_\_\_\_  
Total proppant used (lbs): \_\_\_\_\_

Fracture stimulations must be reported on FracFocus.org

**Test Information:**

Hours: \_\_\_\_\_ Bbl oil: \_\_\_\_\_ Mcf Gas: \_\_\_\_\_ Bbl H2O: \_\_\_\_\_  
Date: \_\_\_\_\_ 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: Mackenzie Smith  
Title: Production Engineer Date: 6/3/2021 Email mackenzie.smith@enrllc.com  
:

### **Attachment List**

**Att Doc Num**      **Name**

402707805	FORM 5A SUBMITTED
402707814	CORRESPONDENCE

Total Attach: 2 Files

### **General Comments**

**User Group**      **Comment**

**Comment Date**

		Stamp Upon Approval
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Total: 0 comment(s)