

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:

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>10672</u>	4. Contact Name: <u>Thomas M. Erwin</u>
2. Name of Operator: <u>TIMBER CREEK OPERATING LLC</u>	Phone: <u>(979) 769-0467</u>
3. Address: <u>1001 17TH STREET #1000</u>	Fax: <u>(719) 845-2100</u>
City: <u>DENVER</u> State: <u>CO</u> Zip: <u>80202</u>	Email: <u>tomerwin@tcenergy.us</u>

5. API Number <u>05-071-09473-00</u>	6. County: <u>LAS ANIMAS</u>
7. Well Name: <u>NEW ELK</u>	Well Number: <u>24-16</u>
8. Location: QtrQtr: <u>SESE</u> Section: <u>24</u> Township: <u>33S</u> Range: <u>68W</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: FRACTURE STIMULATION

Treatment Date: 01/11/2018 End Date: 02/11/2018 Date of First Production this formation:

Perforations Top: 578 Bottom: 1943 No. Holes: 220 Hole size: 0.45

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

Originally perforated six Vermejo Coal intervals with 4 SPF and 120 degree phasing including Stage 1 - 1,940' - 43', Stage 2 - 1,892' - 94' and 1,902' - 04', Stage 3 - 1,841' - 43', Stage 4 - 1,747' - 52', Stage 5 - 1,648' - 51' and 1,664' - 1,666' and Stage 6 - 1,602' - 605' (net - 22' or 88 holes) with 4 SPF and 120 degree phasing. Isolation stage tool had a problem going through the casing at approximately 1,600' GL. TCE elected to skip the Vermejo Coals and proceed to frac the Raton Coals.

Perforated five Raton Coal intervals with 4 SPF and 120 degree phasing including Stage 7 - 800' - 06', Stage 8 - 758' - 64', Stage 9 - 701' - 06', 715' - 18' and 721' - 24', Stage 10 - 645' - 50' (net - and Stage 11 - 578' - 80' and 592' - 95' with Coil Tubing Unit, 2-7/8" coiled tubing to isolate stages and a 70/30 Quality foam frac. A total of 153,946 gallons of produced water, 205,687 lbs of 20/40 mesh Premium White Sand and 377,327 scf N2 were pumped. All five fracs were pumped according to prognosis.

The CTU rigged down and moved to next location. Well was cleaned out to 1,600' GL and well returned to production as a commingled Raton - Vermejo Coal well.

This formation is commingled with another formation:  Yes  No

Total fluid used in treatment (bbl): 3665 Max pressure during treatment (psi): 2045

Total gas used in treatment (mcf): 377327 Fluid density at initial fracture (lbs/gal): 8.35

Type of gas used in treatment: NITROGEN Min frac gradient (psi/ft): 0.43

Total acid used in treatment (bbl): 0 Number of staged intervals: 5

Recycled water used in treatment (bbl): 3665 Flowback volume recovered (bbl):

Fresh water used in treatment (bbl): 0 Disposition method for flowback: DISPOSAL

Total proppant used (lbs): 205687 Rule 805 green completion techniques were utilized:

Reason why green completion not utilized:

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

#### Test Information:

Date: 01/18/2018 Hours: 24 Bbl oil: 0 Mcf Gas: 0 Bbl H2O: 121

Calculated 24 hour rate: Bbl oil: 0 Mcf Gas: 0 Bbl H2O: 121 GOR: 0

Test Method: Pumping Casing PSI: 0 Tubing PSI: 3 Choke Size:

Gas Disposition: SOLD Gas Type: COAL GAS Btu Gas: 972 API Gravity Oil: 0

Tubing Size: 2 + 7/8 Tubing Setting Depth: 2031 Tbg setting date: 01/16/2018 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: Thomas M. Erwin

Title: Engineering Manager Date: Email: tomerwin@tcenergy.us

### Attachment Check List

Att Doc Num Name

Total Attach: 0 Files

**General Comments**

**User Group**

**Comment**

**Comment Date**

		Stamp Upon Approval
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Total: 0 comment(s)