

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>(970) 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>05-071-09356-00</u>	6. County: <u>LAS ANIMAS</u>
7. Well Name: <u>NEW ELK</u>	Well Number: <u>25-01</u>
8. Location: QtrQtr: <u>NENE</u> Section: <u>25</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: 01/21/2018 End Date: 01/22/2018 Date of First Production this formation: \_\_\_\_\_

Perforations Top: 565 Bottom: 1942 No. Holes: 284 Hole size: 0.45

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

Perforate five Vermejo Coal intervals with 4 SPF and 120 degree phasing listed by stage and fraced five Vermejo Coal intervals including Stage 1 - 1,933' - 37' and 1,940' - 42', Stage 2 - 1,883' - 85', 1,891' -93' and 1,907' - 10', Stage 3 - 1,850' - 54', Stage 4 - 1,642' - 45', Stage 5 - 1,586' - 89' and 1,597' - 98' (24' net or 96 holes) with Coil Tubing Unit, 2-7/8" coiled tubing to isolate stages and a 70/30 Quality foam frac. A total of 500 gallons of 15% HCl, 138,026 gallons of produced water, 116,367 lbs of 20/40 mesh Premium White Sand and 645,493 scf N2 were pumped. Stage 4 screened out with 1.0 ppg sand downhole concentration.

Perforate four Raton Coal intervals with 4 SPF and 120 degree phasing listed by stage and fraced four Raton Coal intervals including Stage 6 - 752' - 58' and 771' - 777', Stage 7 - 677' - 82', 695' - 698' and 700' - 02', Stage 8 - 628' - 32' and Stage 9 - 565' - 67' and 579' - 81' (net - 30' or 120 holes) with Coil Tubing Unit and 2-7/8" coiled tubing to isolate stages. A total of 177,726 gallons of produced water, 251,542 lbs of 20/40 mesh Premium White Sand and 580,386 scf N2 were pumped. All four stages were pumped according to prognosis.

In addition, TCE perforated three intervals with 4 SPF and 120 degree phasing that were not fraced. The three Vermejo Coal intervals were 1,809' - 14', 1,816' - 25' and 1,828' - 31' (net 17' or 68 holes). The intervales were not fraced.

The CTU rigged down and moved to next location. Well was cleaned out to PBTD and returned to production as a commingled Raton-Vermejo well.

This formation is commingled with another formation:  Yes  No

Total fluid used in treatment (bbl): 7518 Max pressure during treatment (psi): 3730

Total gas used in treatment (mcf): 1225779 Fluid density at initial fracture (lbs/gal): 8.35

Type of gas used in treatment: NITROGEN Min frac gradient (psi/ft): 0.54

Total acid used in treatment (bbl): 11 Number of staged intervals: 9

Recycled water used in treatment (bbl): 7518 Flowback volume recovered (bbl): \_\_\_\_\_

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

Total proppant used (lbs): 367909 Rule 805 green completion techniques were utilized:

Reason why green completion not utilized: \_\_\_\_\_

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

#### Test Information:

Date: 02/07/2018 Hours: 24 Bbl oil: 0 Mcf Gas: 0 Bbl H2O: 48

Calculated 24 hour rate: Bbl oil: 0 Mcf Gas: 0 Bbl H2O: 48 GOR: 0

Test Method: Pumping Casing PSI: 0 Tubing PSI: 1 Choke Size: \_\_\_\_\_

Gas Disposition: SOLD Gas Type: COAL GAS Btu Gas: 994 API Gravity Oil: 0

Tubing Size: 2 + 7/8 Tubing Setting Depth: 1943 Tbg setting date: 01/29/2018 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**

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Total Attach: 0 Files

### General Comments

**User Group**      **Comment**

**Comment Date**

<b><u>User Group</u></b>	<b><u>Comment</u></b>	<b><u>Comment Date</u></b>
		Stamp Upon Approval

Total: 0 comment(s)