

**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



DE	ET	OE	ES
----	----	----	----

Document Number:  
401533341

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>05-071-09472-00</u>	6. County: <u>LAS ANIMAS</u>
7. Well Name: <u>NEW ELK</u>	Well Number: <u>24-15</u>
8. Location: QtrQtr: <u>SWSE</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: 01/08/2018 End Date: 02/09/2018 Date of First Production this formation: \_\_\_\_\_

Perforations Top: 799 Bottom: 2171 No. Holes: 220 Hole size: 0.45

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

Perforated five Vermejo Coal intervals listed by stage with 4 SPF and 120 degree phasing including and fraced five Vermejo Coal intervals including Stage 1 - 2,148' - 51', 2,158' - 62' and 2,169' - 71', Stage 2 - 2,110' - 12' and 2,119' - 21', Stage 3 - 2,049' - 52', Stage 4 - 1,950' - 52' and 1,954' - 58', Stage 5 - 1,802' - 05' (net - 25' or 100 holes) with Coil Tubing Unit, 2-7/8" coiled tubing to isolate stages and a 70/30 Quality foam frac. A total of 1,000 gallons of 15% HCl, 157,306 gallons of produced water, 105,325 lbs of 20/40 mesh Premium White Sand and 1,070,433 scf N2 were pumped. Stage 2 screened out on 2 ppg downhole concentration.

Perforated five Raton Coal intervals listed by stage with 4 SPF and 120 degree phasing and fraced the five Raton Coal intervals including Stage 6 - 1,014' - 20', Stage 7 - 982' - 87', Stage 8 - 922' - 27', 932' - 34' and 940' -42', Stage 9 - 858' - 63' and Stage 10 - 799' - 02' and 806' - 08' (net - 30' or 120 holes) with Coil Tubing Unit and 2-7/8" coiled tubing to isolate stages. A total of 500 gallons of 15% HCl, 115,581 gallons of produced water. 107,958 lbs of 20/40 mesh Premium White Sand and 337,669 scf N2 were pumped. Stage 7 screened out on 2 ppg downhole sand concentration. Stage 9 backside communicated uphole on pad and isolation tool was moved uphole with no sand pumped.

The CTU rigged down and moved to nest 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): 6497

Max pressure during treatment (psi): 2871

Total gas used in treatment (mcf): 1408102

Fluid density at initial fracture (lbs/gal): 8.35

Type of gas used in treatment: NITROGEN

Min frac gradient (psi/ft): 0.51

Total acid used in treatment (bbl): 35

Number of staged intervals: 10

Recycled water used in treatment (bbl): 6497

Flowback volume recovered (bbl): \_\_\_\_\_

Fresh water used in treatment (bbl): 0

Disposition method for flowback: DISPOSAL

Total proppant used (lbs): 213283

Rule 805 green completion techniques were utilized:

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

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

#### Test Information:

Date: 01/17/2018 Hours: 24 Bbl oil: 0 Mcf Gas: 0 Bbl H2O: 66

Calculated 24 hour rate: Bbl oil: 0 Mcf Gas: 0 Bbl H2O: 66 GOR: 0

Test Method: Pumping Casing PSI: 1 Tubing PSI: 5 Choke Size: \_\_\_\_\_

Gas Disposition: SOLD Gas Type: COAL GAS Btu Gas: 915 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**

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

Total: 0 comment(s)