

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:

401534838

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: 10672

2. Name of Operator: TIMBER CREEK OPERATING LLC

3. Address: 1001 17TH STREET #1000

City: DENVER State: CO Zip: 80202

4. Contact Name: Thomas M. Erwin

Phone: (970) 769-0467

Fax: (719) 845-2100

Email: tomerwin@tcenergy.us

5. API Number 05-071-09356-00

7. Well Name: NEW ELK

8. Location: QtrQtr: NENE Section: 25 Township: 33S Range: 68W Meridian: 6

9. Field Name: PURGATOIRE RIVER Field Code: 70830

6. County: LAS ANIMAS

Well Number: 25-01

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 intervalles 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: <input type="checkbox"/> |
| 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

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| | | Stamp Upon Approval |
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Total: 0 comment(s)