

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:

02/07/2018

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 05-071-07961-00

7. Well Name: APACHE CANYON

8. Location: QtrQtr: NENE Section: 3 Township: 34S Range: 68W Meridian: 6

9. Field Name: PURGATOIRE RIVER Field Code: 70830

6. County: LAS ANIMAS

Well Number: 3-01

Completed Interval

FORMATION: RATON-VERMEJO COALS Status: PRODUCING Treatment Type: FRACTURE STIMULATION

Treatment Date: 01/12/2018 End Date: 01/12/2018 Date of First Production this formation:

Perforations Top: 495 Bottom: 1708 No. Holes: 296 Hole size: 0.45

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

Perforated five Vermejo Coal intervals with 4 SPF and 120 degree phasing and fraced the five Vermejo Coal intervals including Stage 1 - 1,688' - 92', 1,694' - 97' and 1,704' - 08', Stage 2 - 1,652' - 62', Stage 3 - 1,576' - 85', 1,590' - 94' and 1,597' - 00', Stage 4 - 1,492' - 96' and 1,506' - 10' and Stage 5 - 1,437' - 42', 1,450' - 56' and 1,460' - 64' (net 60' or 240 holes) with Coil Tubing Unit, 2-7/8" coiled tubing to isolate stages and a 70/30 Quality foam frac. A total of 250 gallons of 15% HCl, 179,159 gallons of produced water, 87,025 lbs of 20/40 mesh Premium White Sand and 950,730 scf N2 were pumped. Stage 2 went to flush with backside pressure at 100 psig. Stage 3 was cut with pressure increasing with 1 ppg sand concentration downhole.

Perforated one Raton Coal interval with 4 SPF and 120 degree phasing and fraced the Raton Coal interval including Stage 6 - 495' - 500' and 525' - 28' (net - 8' or 32 holos) with Coiled Tubing Unit, 2-7/8" coiled tubing to isolate stages and a 70/30 Quality foam frac. A total of 250 gallons of 15% HCl, 43,377 gallons of produced water, 44,210 lbs of 20/40 Premium White Sand and 130,831 scf N2 were pumped. Stage 6 was pumped to completion according to prognosis.

Two Raton Coal intervals were originally perforated including 468' - 71' and 456' - 59' (6' net or 24 holes) that were decided to be to shallow to frac.

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): 5309

Max pressure during treatment (psi): 3691

Total gas used in treatment (mcf): 1081561

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

Type of gas used in treatment: NITROGEN

Min frac gradient (psi/ft): 0.50

Total acid used in treatment (bbl): 11

Number of staged intervals: 6

Recycled water used in treatment (bbl): 5298

Flowback volume recovered (bbl):

Fresh water used in treatment (bbl): 0

Disposition method for flowback: DISPOSAL

Total proppant used (lbs): 131238

Rule 805 green completion techniques were utilized: ☒

Reason why green completion not utilized:

Fracture stimulations must be reported on FracFocus.org

Test Information:

Date: 01/20/2018 Hours: 24 Bbl oil: 0 Mcf Gas: 0 Bbl H2O: 147

Calculated 24 hour rate: Bbl oil: 0 Mcf Gas: 0 Bbl H2O: 147 GOR: 0

Test Method: Pumping Casing PSI: 4 Tubing PSI: 5 Choke Size:

Gas Disposition: SOLD Gas Type: COAL GAS Btu Gas: 941 API Gravity Oil: 0

Tubing Size: 2 + 7/8 Tubing Setting Depth: 1750 Tbg setting date: 01/17/2018 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: 2/7/2018 Email: tomerwin@tcenergy.us

Attachment Check List

Att Doc Num

Name

401533645

FORM 5A SUBMITTED

Total Attach: 1 Files

General Comments

User Group

Comment

Comment Date

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Stamp Upon Approval

Total: 0 comment(s)