

FORM
5ARev
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:

401706975

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: 10542
2. Name of Operator: CUB CREEK ENERGY
3. Address: 200 PLAZA DRIVE SUITE 100
City: HIGHLANDS State: CO Zip: 80129
4. Contact Name: Alex Corey
Phone: (303) 4466140
Fax:
Email: alex.corey@cub-creek.com

5. API Number 05-123-42772-00
6. County: WELD
7. Well Name: Litzenberger
Well Number: 13
8. Location: QtrQtr: SENE Section: 8 Township: 3N Range: 68W Meridian: 6
9. Field Name: WATTENBERG Field Code: 90750

Completed Interval

FORMATION: NIOBRARA Status: PRODUCING Treatment Type: FRACTURE STIMULATION

Treatment Date: 01/21/2018 End Date: 01/30/2018 Date of First Production this formation: 06/27/2018
Perforations Top: 7631 Bottom: 11871 No. Holes: 840 Hole size: 0.4

Provide a brief summary of the formation treatment:

Open Hole: ☐

Performed 28 Stage Frac, using a total of 3,975,980 lbs 40/70 White Sand, 4,591,980 lbs 20/40 White Sand, Total Fluid used 139,295 bbls, Max PSI 8,334, Max Rate 84 BPM, Max ISIP 4,490, Total of 540 holes, Perf. Diam. 0.40"

This formation is commingled with another formation: ☐ Yes ☒ No

Total fluid used in treatment (bbl): 139295

Max pressure during treatment (psi): 8334

Total gas used in treatment (mcf): 0

Fluid density at initial fracture (lbs/gal): 8.34

Type of gas used in treatment:

Min frac gradient (psi/ft): 0.91

Total acid used in treatment (bbl): 10334

Number of staged intervals: 28

Recycled water used in treatment (bbl): 0

Flowback volume recovered (bbl):

Fresh water used in treatment (bbl): 126215

Disposition method for flowback:

Total proppant used (lbs): 8570479

Rule 805 green completion techniques were utilized: ☐

Reason why green completion not utilized:

Fracture stimulations must be reported on FracFocus.org

Test Information:

Date: 06/15/2018 Hours: 12 Bbl oil: 148 Mcf Gas: 188 Bbl H2O: 164
Calculated 24 hour rate: Bbl oil: 296 Mcf Gas: 376 Bbl H2O: 328 GOR: 1
Test Method: flowback Casing PSI: 2100 Tubing PSI: 1000 Choke Size: 17
Gas Disposition: SOLD Gas Type: WET Btu Gas: 1405 API Gravity Oil: 44
Tubing Size: 2 + 3/8 Tubing Setting Depth: 7221 Tbg setting date: 04/19/2018 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:

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I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete.

Signed: _____ Print Name: Garrett Baily

Title: Petroleum Engineer Date: _____ Email: garrett.baily@cub-creek.com
:

Attachment Check List

Att Doc Num **Name**

401712877	OPERATIONS SUMMARY
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Total Attach: 1 Files

General Comments

User Group **Comment**

Comment Date

		Stamp Upon Approval
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Total: 0 comment(s)