

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:

401708233

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 05-123-42769-00
6. County: WELD
7. Well Name: Litzenberger
Well Number: 21
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: 02/05/2018 End Date: 03/11/2018 Date of First Production this formation: 02/27/2018

Perforations Top: 8068 Bottom: 12308 No. Holes: 540 Hole size: 0.4

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

Performed 28 Stage Frac, using a total of 3,355,260 lbs 40/70 White Sand, 4,592,360 lbs 20/40 White Sand, Total Fluid used 136,859 bbls, Max PSI 8,534, Max Rate 91 BPM, Max ISIP 4,821, Total of 540 holes, Perf. Diam. 0.40"

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

Total fluid used in treatment (bbl): 136857 Max pressure during treatment (psi): 8534

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): 0.98

Total acid used in treatment (bbl): 488 Number of staged intervals: 28

Recycled water used in treatment (bbl): 0 Flowback volume recovered (bbl):

Fresh water used in treatment (bbl): 126887 Disposition method for flowback: DISPOSAL

Total proppant used (lbs): 7949138 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: 156 Mcf Gas: 167 Bbl H2O: 190

Calculated 24 hour rate: Bbl oil: 312 Mcf Gas: 352 Bbl H2O: 380 GOR: 1

Test Method: flowback Casing PSI: 1675 Tubing PSI: 975 Choke Size: 17

Gas Disposition: SOLD Gas Type: WET Btu Gas: 1405 API Gravity Oil: 44

Tubing Size: 2 + 3/8 Tubing Setting Depth: 7692 Tbg setting date: 04/13/2018 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: Garrett Baily

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

Attachment Check List

Att Doc Num **Name**

401712957	OPERATIONS SUMMARY
-----------	--------------------

Total Attach: 1 Files

General Comments

User Group **Comment**

Comment Date

		Stamp Upon Approval
--	--	------------------------

Total: 0 comment(s)