

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:

402112881

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: 10583
 2. Name of Operator: PETRO OPERATING COMPANY LLC
 3. Address: 9033 E EASTER PLACE SUITE 112
 City: CENTENNIAL State: CO Zip: 80112-
 4. Contact Name: ANDY PETERSON
 Phone: (970) 203-4263
 Fax:
 Email: andy@petersonenergyoperating.com

5. API Number 05-001-10207-00
 6. County: ADAMS
 7. Well Name: BEF WEST
 Well Number: 21
 8. Location: QtrQtr: SENE Section: 2 Township: 1S Range: 66W Meridian: 6
 9. Field Name: WATTENBERG Field Code: 90750

Completed Interval

FORMATION: CODELL-FORT HAYS Status: SHUT IN Treatment Type: FRACTURE STIMULATION

Treatment Date: 04/25/2019 End Date: 05/02/2019 Date of First Production this formation:

Perforations Top: 8322 Bottom: 12543 No. Holes: 828 Hole size: 35/100

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

Frac Summary: 23 Stages, No HCL used; 5,310,300 # 40/70 White Sand; 1,361,820 # 100 Mesh; 5,538,330 Gals Slickwater.
 Total Proppant used 6,672,120 #, Ave Rate 18.0 bpm, Ave PSI 4,705, Max PSI 5,200.

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

Total fluid used in treatment (bbl): 169208 Max pressure during treatment (psi): 5200

Total gas used in treatment (mcf): Fluid density at initial fracture (lbs/gal): 8.33

Type of gas used in treatment: Min frac gradient (psi/ft): 0.89

Total acid used in treatment (bbl): Number of staged intervals: 23

Recycled water used in treatment (bbl): Flowback volume recovered (bbl): 5188

Fresh water used in treatment (bbl): 169208 Disposition method for flowback: DISPOSAL

Total proppant used (lbs): 6672120 Rule 805 green completion techniques were utilized: ☐

Reason why green completion not utilized: PIPELINE

Fracture stimulations must be reported on FracFocus.org

Test Information:

Date: 08/04/2019 Hours: 24 Bbl oil: 411 Mcf Gas: 401 Bbl H2O: 167

Calculated 24 hour rate: Bbl oil: 411 Mcf Gas: 401 Bbl H2O: 167 GOR: 976

Test Method: FLOWING Casing PSI: 3400 Tubing PSI: 1550 Choke Size: 16/64

Gas Disposition: FLARED Gas Type: DRY Btu Gas: 1245 API Gravity Oil: 41

Tubing Size: 2 + 3/8 Tubing Setting Depth: 7938 Tbg setting date: 06/30/2019 Packer Depth: 7446

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.

FORMATION: CODELL Status: COMMINGLED Treatment Type: FRACTURE STIMULATION

Treatment Date: 04/25/2019 End Date: 05/02/2019 Date of First Production this formation:

Perforations Top: 8322 Bottom: 12543 No. Holes: 792 Hole size: 35/100

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

Frac Summary: 23 Stages, 6,672,120 total lbs sand & 169,208 bbls fluid. Ave Rate 18.0 bpm, Ave PSI 4,705, Max PSI 5,200

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

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

Total gas used in treatment (mcf): Fluid density at initial fracture (lbs/gal):

Type of gas used in treatment: Min frac gradient (psi/ft):

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

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

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

Total proppant used (lbs): Rule 805 green completion techniques were utilized: ☐

Reason why green completion not utilized:

Fracture stimulations must be reported on FracFocus.org

Test Information:

Date: Hours: Bbl oil: Mcf Gas: Bbl H2O:

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

Test Method: Casing PSI: Tubing PSI: Choke Size:

Gas Disposition: Gas Type: Btu Gas: API Gravity Oil:

Tubing Size: Tubing Setting Depth: Tbg setting date: 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.

FORMATION: FORT HAYS Status: COMMINGLED Treatment Type: FRACTURE STIMULATION

Treatment Date: 04/20/2019 End Date: 05/02/2019 Date of First Production this formation:

Perforations Top: 12194 Bottom: 12360 No. Holes: 36 Hole size: 35/100

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

Frac Summary: 23 Stages, 6,672,120 total lbs sand & 169,208 bbls fluid. Ave Rate 18.0 bpm, Ave PSI 4,705, Max PSI 5,200

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

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

Total gas used in treatment (mcf): Fluid density at initial fracture (lbs/gal):

Type of gas used in treatment: Min frac gradient (psi/ft):

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

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

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

Total proppant used (lbs): Rule 805 green completion techniques were utilized: ☐

Reason why green completion not utilized:

Fracture stimulations must be reported on FracFocus.org

Test Information:

Date: Hours: Bbl oil: Mcf Gas: Bbl H2O:

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

Test Method: Casing PSI: Tubing PSI: Choke Size:

Gas Disposition: Gas Type: Btu Gas: API Gravity Oil:

Tubing Size: Tubing Setting Depth: Tbg setting date: 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:

TPZ remains as submitted on the Form 5.

POC ended flowback operations on 8/4/2019 and shut wells in; awaiting pipeline arrival or approval to incinerate gas until the pipeline connections are in place at which point POC would start up first production through the permanent facilities.

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

Signed: Print Name: PAUL GOTTLÖB

Title: Regulatory & Engin. Tech. Date: Email paul.gottlob@iptenergyservices.com

Attachment Check List

Att Doc Num	Name
402136600	OPERATIONS SUMMARY
402142906	OPERATIONS SUMMARY
402142914	WELLBORE DIAGRAM

Total Attach: 3 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineer	rtn to DRAFT-calculated 24 hour test data appears wrong;green completions were NOT used due to pipeline;date of first production blank;describe the treatment, including:type of fluid used (gel, slickwater, etc.),types and amounts of proppant used;Btu value?	01/09/2020

Total: 1 comment(s)