

Document Number:
402277281

Date Received:
05/07/2020

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.

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5. API Number 05-014-20755-00 6. County: BROOMFIELD
 7. Well Name: Livingston Well Number: S19-25-5C
 8. Location: QtrQtr: NWSE Section: 7 Township: 1S Range: 68W Meridian: 6
 9. Field Name: WATTENBERG Field Code: 90750

Completed Interval

FORMATION: CARLILE Status: COMMINGLED Treatment Type: FRACTURE STIMULATION
 Treatment Date: 12/21/2019 End Date: 01/06/2020 Date of First Production this formation: 04/18/2020
 Perforations Top: 15083 Bottom: 15256 No. Holes: 24 Hole size: 38/100
 Provide a brief summary of the formation treatment: _____ Open Hole:

Perforated Interval: 15083'-15256'

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: CODELL Status: COMMINGLED Treatment Type: FRACTURE STIMULATION

Treatment Date: 12/21/2019 End Date: 01/06/2020 Date of First Production this formation: 04/18/2020

Perforations Top: 8993 Bottom: 21231 No. Holes: 1300 Hole size: 38/100

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

Perforated Intervals: 8993'-9672'; 10008'-10770'; 11096'-15045'; 15278'-15591'; 15781'-16751'; 17112'-20025'; 20184'-21231'

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: 12/21/2019 End Date: 01/06/2020 Date of First Production this formation: 04/18/2020

Perforations Top: 9699 Bottom: 20158 No. Holes: 126 Hole size: 38/100

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

Perforated Intervals: 9699'-9974'; 10797'-10798'; 10988'-11073'; 15617'-15761'; 16775'-17073'; 20052'-20158'.

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: NIOBRARA Status: COMMINGLED Treatment Type: FRACTURE STIMULATION

Treatment Date: 12/21/2019 End Date: 01/06/2020 Date of First Production this formation: 04/18/2020

Perforations Top: 10818 Bottom: 10964 No. Holes: 21 Hole size: 38/100

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

Perforated Interval: 10818'-10964'

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: NIOBRARA-FORT HAYS-CODELL-CARLILE Status: PRODUCING Treatment Type: FRACTURE STIMULATION

Treatment Date: 12/21/2019 End Date: 01/06/2020 Date of First Production this formation: 04/18/2020
Perforations Top: 8993 Bottom: 21231 No. Holes: 1471 Hole size: 38/100

Provide a brief summary of the formation treatment: Open Hole: []

Frac'd Niobrara-Fort Hays-Codell-Carlile with a 50-stage plug-and-perf;
193672 total bbls fluid pumped: 169163 bbls gelled fluid and 24509 bbls fresh water (no acid);
9271570 total lbs proppant pumped: all 30/50 sand.

This formation is commingled with another formation: [] Yes [X] No
Total fluid used in treatment (bbl): 193672 Max pressure during treatment (psi): 8641
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): 0.80
Total acid used in treatment (bbl): Number of staged intervals: 50
Recycled water used in treatment (bbl): Flowback volume recovered (bbl): 16755
Fresh water used in treatment (bbl): 24509 Disposition method for flowback: DISPOSAL
Total proppant used (lbs): 9271570 Rule 805 green completion techniques were utilized: [X]
Reason why green completion not utilized:

Fracture stimulations must be reported on FracFocus.org

Test Information:

Date: 04/27/2020 Hours: 24 Bbl oil: 689 Mcf Gas: 1910 Bbl H2O: 196
Calculated 24 hour rate: Bbl oil: 689 Mcf Gas: 1910 Bbl H2O: 196 GOR: 2772
Test Method: flowing Casing PSI: 3050 Tubing PSI: 2803 Choke Size: 16/64
Gas Disposition: SOLD Gas Type: WET Btu Gas: 1390 API Gravity Oil: 52
Tubing Size: 2 + 3/8 Tubing Setting Depth: 8966 Tbg setting date: 03/18/2020 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: 2409 FSL & 1652 FWL

I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete.
Signed: Print Name: Elaine Winick
Title: Completions Tech Date: 5/7/2020 Email ewinick@extractionog.com

Attachment Check List

Table with 2 columns: Att Doc Num, Name. Rows: 402277281 FORM 5A SUBMITTED, 402386629 WELLBORE DIAGRAM

Total Attach: 2 Files

General Comments

Table with 3 columns: User Group, Comment, Comment Date. Includes Stamp Upon Approval

Total: 0 comment(s)