FORM 5A
Rev 06/12

# State of Colorado
# Oil and Gas Conservation Commission

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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: 10131
2. Name of Operator: ST. JAMES ENERGY OPERATING INC
3. Address: 11177 EAGLE VIEW DR STE 1
City: SANDY State: UT Zip: 84092
4. Contact Name: Kent Moore
Phone: (970) 351-8877
Fax: (970) 378-8623

5. API Number 05-123-29708-00
6. County: WELD
7. Well Name: LARSEN FAIRMEADOWS
Well Number: 5-30
8. Location: QtrQtr: SESW Section: 30 Township: 6N Range: 63W Meridian: 6
9. Field Name: WATTENBERG Field Code: 90750

## Completed Interval

FORMATION: CODELL Status: COMMINGLED Treatment Type: FRACTURE STIMULATION

Treatment Date: 04/11/2013 End Date: 05/15/2013 Date of First Production this formation: 05/18/2013

Perforations Top: 6758 Bottom: 6782 No. Holes: 56 Hole size: 13/32

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

Used 3 1/8" slick gun with 19 gram 311L charges with a .41" Entry hole, 21.12" of Penetration and 60 degree phasing.

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

Total fluid used in treatment (bbl): 3125
Max pressure during treatment (psi): 3701
Total gas used in treatment (mcf):
Fluid density at initial fracture (lbs/gal): 8.34
Type of gas used in treatment:
Min frac gradient (psi/ft): 0.89
Total acid used in treatment (bbl):
Number of staged intervals: 1
Recycled water used in treatment (bbl):
Flowback volume recovered (bbl):
Fresh water used in treatment (bbl): 3243
Disposition method for flowback:
Total proppant used (lbs): 270920
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-CODELL Status: PRODUCING Treatment Type:

Treatment Date: End Date: Date of First Production this formation:

Perforations Top: 6482 Bottom: 6772 No. Holes: 232 Hole size: 13/32

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

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): 1231

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

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: 05/21/2013 Hours: 24 Bbl oil: 85 Mcf Gas: 275 Bbl H2O: 93

Calculated 24 hour rate: Bbl oil: 85 Mcf Gas: 275 Bbl H2O: 93 GOR: 3235

Test Method: Flowing Casing PSI: 625 Tubing PSI: Choke Size: 14/64

Gas Disposition: SOLD Gas Type: WET Btu Gas: 1218 API Gravity Oil: 49

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: 05/15/2013 End Date: 05/15/2013 Date of First Production this formation: 05/18/2013

Perforations Top: 6482 Bottom: 6598 No. Holes: 112 Hole size: 7/20

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

Set Cast Iron Flow Thru Plug at 6670', 72' below bottom of Niobrara and 88' above top of Codell. Pull up and Perforate Niobrara B Bench from 6582' – 6598', 16', 4 shots per ft, 64 total. Pull up and Perforate Niobrara A Bench from 6482' – 6494', 12', 4 shots per ft, 48 total. 112 Total Shots. Both were Salt and Pepper. Used a 3 1/8" Slick Gun. 2 shots per ft were 20 Gram Big Hole Charges with a .73" Entry Hole and 6.05" of Penetration and 120 Degree Phasing and 2 Shots per ft were 21 gram Hero Charges with a .35" Entry Hole and 38.09" of Penetration with 120 Degree Phasing for a total of 60 Degree Phasing.

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

Total fluid used in treatment (bbl): 4018 Max pressure during treatment (psi): 4306

Total gas used in treatment (mcf): Fluid density at initial fracture (lbs/gal): 8.34

Type of gas used in treatment: Min frac gradient (psi/ft): 0.94

Total acid used in treatment (bbl): Number of staged intervals: 1

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

Fresh water used in treatment (bbl): 4121 Disposition method for flowback:

Total proppant used (lbs): 25680 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:

Flowback recovered was recorded from comingled Niobrara-Codell formations.

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

Signed: Print Name: Erin Mathews

Title: Project Manager Date: Email: erin.mathews@LRA-inc.com

## Attachment Check List

| Att Doc Num | Name |
|---|---|
| | |

Total Attach: 0 Files

## General Comments

| User Group | Comment | Comment Date |
|---|---|---|
| | | |

Total: 0 comment(s)