



FORMATION: CORCORAN Status: PRODUCING Treatment Type: FRACTURE STIMULATION

Treatment Date: 09/28/2017 End Date: 10/08/2017 Date of First Production this formation: 11/09/2017

Perforations Top: 9986 Bottom: 10156 No. Holes: 24 Hole size: 35/100

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

11304 bbls of slickwater; 223569 100/Mesh; 229 gals of biocide

This formation is commingled with another formation:  Yes  No

Total fluid used in treatment (bbl): 11309 Max pressure during treatment (psi): 6902

Total gas used in treatment (mcf): Fluid density at initial fracture (lbs/gal): 8.43

Type of gas used in treatment: Min frac gradient (psi/ft): 0.55

Total acid used in treatment (bbl): Number of staged intervals: 2

Recycled water used in treatment (bbl): 11304 Flowback volume recovered (bbl): 3752

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

Total proppant used (lbs): 223569 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: SEGO Status: PRODUCING Treatment Type: FRACTURE STIMULATION

Treatment Date: 09/28/2017 End Date: 10/08/2017 Date of First Production this formation: 11/09/2017

Perforations Top: 10190 Bottom: 10258 No. Holes: 9 Hole size: 35/100

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

4205 bbls of slickwater; 83109 100/Mesh; 84 gals of biocide

This formation is commingled with another formation:  Yes  No

Total fluid used in treatment (bbl): 4207 Max pressure during treatment (psi): 6902

Total gas used in treatment (mcf): \_\_\_\_\_ Fluid density at initial fracture (lbs/gal): 8.43

Type of gas used in treatment: \_\_\_\_\_ Min frac gradient (psi/ft): 0.55

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

Recycled water used in treatment (bbl): 4205 Flowback volume recovered (bbl): 1407

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

Total proppant used (lbs): 83109 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: WILLIAMS FORK-CAMEO-COZZETTE-CORCORAN-SEGO Status: COMMINGLED Treatment Type: FRACTURE STIMULATION

Treatment Date: 09/28/2017 End Date: 10/08/2017 Date of First Production this formation: 11/09/2017  
Perforations Top: 7471 Bottom: 10258 No. Holes: 288 Hole size: 35/100

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

125532 bbls of slickwater; 2485290 100/Mesh; 2646 gals of biocide

This formation is commingled with another formation:  Yes  No

Total fluid used in treatment (bbl): 125595 Max pressure during treatment (psi): 6902

Total gas used in treatment (mcf): Fluid density at initial fracture (lbs/gal): 8.43

Type of gas used in treatment: Min frac gradient (psi/ft): 0.55

Total acid used in treatment (bbl): Number of staged intervals: 12

Recycled water used in treatment (bbl): 125532 Flowback volume recovered (bbl): 45061

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

Total proppant used (lbs): 2485290 Rule 805 green completion techniques were utilized:

Reason why green completion not utilized:

**Fracture stimulations must be reported on FracFocus.org**

**Test Information:**

Date: 11/10/2017 Hours: 24 Bbl oil: 0 Mcf Gas: 1500 Bbl H2O: 0

Calculated 24 hour rate: Bbl oil: 0 Mcf Gas: 1500 Bbl H2O: 0 GOR: 0

Test Method: FLOWING Casing PSI: 1747 Tubing PSI: 1785 Choke Size: 24/64

Gas Disposition: SOLD Gas Type: DRY Btu Gas: 1007 API Gravity Oil: 0

Tubing Size: 2 + 3/8 Tubing Setting Depth: 9967 Tbg setting date: 10/13/2017 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: WILLIAMS FORK - CAMEO Status: PRODUCING Treatment Type: FRACTURE STIMULATION

Treatment Date: 09/28/2017 End Date: 10/08/2017 Date of First Production this formation: 11/09/2017

Perforations Top: 7471 Bottom: 9515 No. Holes: 240 Hole size: 35/100

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

102865 bbls of slickwater; 2036830 100/Mesh; 2184 gals of biocide

This formation is commingled with another formation:  Yes  No

Total fluid used in treatment (bbl): 102917 Max pressure during treatment (psi): 6902

Total gas used in treatment (mcf): Fluid density at initial fracture (lbs/gal): 8.43

Type of gas used in treatment: Min frac gradient (psi/ft): 0.55

Total acid used in treatment (bbl): Number of staged intervals: 10

Recycled water used in treatment (bbl): 102865 Flowback volume recovered (bbl): 37520

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

Total proppant used (lbs): 2036830 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: All flowback volumes are estimates based on the commingled volume.

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

Signed: Print Name: Kellye Garcia

Title: Land & Regulatory Tech Date: Email kgarcia@terraep.com

Attachment Check List

Table with 2 columns: Att Doc Num, Name. Row 1: 401476046, WELLBORE DIAGRAM

Total Attach: 1 Files

General Comments

Table with 3 columns: User Group, Comment, Comment Date. Row 1: Stamp Upon Approval

Total: 0 comment(s)