



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

Treatment Date: 10/09/2019 End Date: 10/16/2019 Date of First Production this formation: 11/08/2019

Perforations Top: 8123 Bottom: 18277 No. Holes: 600 Hole size: 0.44

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

PERF FROM 8123-18277

376 BBLS 15% HCL ACID, 9,359 BBLS PUMP DOWN, 179,010 BBLS SLICKWATER, 188,745 TOTAL FLUID, 395,180 LBS WHITE 100 MESH OTTAWA/ST. PETERS, 5,091,190 LBS WHITE 40/70 OTTAWA/ST. PETERS, 5,486,370 TOTAL PROPPANT.

This formation is commingled with another formation:  Yes  No

Total fluid used in treatment (bbl): 188745 Max pressure during treatment (psi): 7723

Total gas used in treatment (mcf): 0 Fluid density at initial fracture (lbs/gal): 8.30

Type of gas used in treatment: \_\_\_\_\_ Min frac gradient (psi/ft): 0.88

Total acid used in treatment (bbl): 376 Number of staged intervals: 25

Recycled water used in treatment (bbl): 1530 Flowback volume recovered (bbl): 1163

Fresh water used in treatment (bbl): 186839 Disposition method for flowback: RECYCLE

Total proppant used (lbs): 5486370 Rule 805 green completion techniques were utilized:

Reason why green completion not utilized: \_\_\_\_\_

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

**Test Information:**

Date: 12/12/2019 Hours: 24 Bbl oil: 292 Mcf Gas: 412 Bbl H2O: 208

Calculated 24 hour rate: Bbl oil: 292 Mcf Gas: 412 Bbl H2O: 208 GOR: 1411

Test Method: Flowing Casing PSI: 2300 Tubing PSI: 1900 Choke Size: 14/64

Gas Disposition: SOLD Gas Type: WET Btu Gas: 1280 API Gravity Oil: 48

Tubing Size: 2 + 3/8 Tubing Setting Depth: 7717 Tbg setting date: 12/12/2019 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: \_\_\_\_\_ End Date: \_\_\_\_\_ Date of First Production this formation: \_\_\_\_\_

Perforations Top: 8123 Bottom: 18277 No. Holes: 600 Hole size: 0.44

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

8123-13322, 13380-13947, 15018-16068, 16406-18277

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: End Date: Date of First Production this formation:

Perforations Top: 16200 Bottom: 16406 No. Holes: 600 Hole size: 0.44

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

16200-16406

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:

This well had a delayed completion. The estimated TPZ footages on form 5 should be revised to 729' FSL, 1316' FEL, Sec 15. Occidental certifies compliance with rule 317.s. See attachment for copy of well path through formations.

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

Signed: Print Name: Callie Fiddes Title: Regulatory Analyst Date: Email Callie\_Fiddes@Oxy.com

Attachment Check List

Table with 2 columns: Att Doc Num, Name. Row 1: 402235927, OTHER

Total Attach: 1 Files

General Comments

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

Total: 0 comment(s)