

Document Number:  
402243265

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: 10177      4. Contact Name: Carolyn Nunez  
 2. Name of Operator: ENERPLUS RESOURCES (USA) CORPORATION      Phone: (720) 279-5583  
 3. Address: 950 17TH STREET #2200      Fax: \_\_\_\_\_  
 City: DENVER      State: CO      Zip: 80202      Email: cnunez@enerplus.com

5. API Number 05-123-49663-00      6. County: WELD  
 7. Well Name: Avignon      Well Number: 8-67-32-31  
 8. Location: QtrQtr: NWNW      Section: 33      Township: 8N      Range: 67W      Meridian: 6  
 9. Field Name: WILDCAT      Field Code: 99999

**Completed Interval**

FORMATION: CARLILE      Status: COMMINGLED      Treatment Type: FRACTURE STIMULATION  
 Treatment Date: 07/31/2019      End Date: 08/16/2019      Date of First Production this formation: 09/19/2019  
 Perforations      Top: 14192      Bottom: 16009      No. Holes: 62      Hole size: 0.42

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

Completed Interval : 14,192' - 14,252'; 15463' - 16,009'

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: 2  
 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: CARLILE-CODELL-FORT HAYS Status: PRODUCING Treatment Type: FRACTURE STIMULATION

Treatment Date: 07/31/2019 End Date: 08/16/2019 Date of First Production this formation: 09/19/2019

Perforations Top: 7902 Bottom: 16730 No. Holes: 659 Hole size: 0.42

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

38 stages, 5,510,192 lbs 100Mesh white sand, 12,505,056 lbs 40/70 white sand, 330,022 bbls Slickwater, 21,559 gal 15% concentration HCL acid.

This formation is commingled with another formation:  Yes  No

Total fluid used in treatment (bbl): 330535 Max pressure during treatment (psi): 8766

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): 0.98

Total acid used in treatment (bbl): 513 Number of staged intervals: 38

Recycled water used in treatment (bbl): \_\_\_\_\_ Flowback volume recovered (bbl): 36003

Fresh water used in treatment (bbl): 300022 Disposition method for flowback: DISPOSAL

Total proppant used (lbs): 18015248 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: 09/25/2019 Hours: 24 Bbl oil: 353 Mcf Gas: 91 Bbl H2O: 797

Calculated 24 hour rate: Bbl oil: 353 Mcf Gas: 91 Bbl H2O: 797 GOR: 257

Test Method: Flowback Casing PSI: 0 Tubing PSI: 340 Choke Size: 26

Gas Disposition: FLARED Gas Type: DRY Btu Gas: 1551 API Gravity Oil: 38

Tubing Size: 2 + 3/8 Tubing Setting Depth: 7497 Tbg setting date: 09/17/2019 Packer Depth: 7481

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: 07/31/2019 End Date: 08/16/2019 Date of First Production this formation: 09/19/2019

Perforations Top: 7902 Bottom: 16730 No. Holes: 587 Hole size: 0.42

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

Completed Interval: 7,902' - 10,132'; 10,306' - 14,177'; 14,268' - 15,441'; 16,025' - 16,730'

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: 07/31/2019 End Date: 08/16/2019 Date of First Production this formation: 09/19/2019

Perforations Top: 10148 Bottom: 10290 No. Holes: 10 Hole size: 0.42

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

Completed Interval: 10,148' - 10,290'

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: \_\_\_\_\_

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

Signed: \_\_\_\_\_ Print Name: Carolyn Nunez

Title: Drilling Eng Tech Date: \_\_\_\_\_ Email: cnunez@enerplus.com

**Attachment Check List**

Att Doc Num	Name
402243363	WELLBORE DIAGRAM

Total Attach: 1 Files

**General Comments**

User Group	Comment	Comment Date
Engineer	rtm to DRAFT - panels repeat information - refer to guidance	04/16/2020

Total: 1 comment(s)