

FORM  
5A

Rev  
06/12

State of Colorado

Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109



DE ET OE ES

Document Number:

401746651

Date Received:

05/29/2020

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.

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

5. API Number 05-123-44918-00  
6. County: WELD  
7. Well Name: POT O' GOLD  
Well Number: 8-67-35-2C  
8. Location: QtrQtr: SWSE Section: 26 Township: 8N Range: 67W Meridian: 6  
9. Field Name: DJ HORIZONTAL NBRR-FTHYS- Field Code: 16953

Completed Interval

FORMATION: CODELL Status: PRODUCING Treatment Type: FRACTURE STIMULATION

Treatment Date: 06/30/2018 End Date: 07/14/2018 Date of First Production this formation: 08/07/2018

Perforations Top: 8400 Bottom: 17597 No. Holes: 1360 Hole size: 0.42

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

Completed Interval : 8,400' - 11,483'; 11,670' - 11,971'; 12,063' - 13,358'; 14,004' - 15,662'; 15,919' - 16,068' - 16,207' - 17,597'

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: PRODUCING Treatment Type: FRACTURE STIMULATION

Treatment Date: 06/30/2018 End Date: 07/14/2018 Date of First Production this formation: 08/07/2018

Perforations Top: 8288 Bottom: 16193 No. Holes: 970 Hole size: 0.42

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

Completed Interval: 8,288' - 8,386'; 11,500' - 11,650'; 11,985' - 12,050'; 13,375' - 13,628'; 15,697' - 15,886'; 16,085' - 16,193'

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-FT HAYS-CODELL		Status: COMMINGLED		Treatment Type: FRACTURE STIMULATION	
Treatment Date: 06/30/2018		End Date: 07/14/2018		Date of First Production this formation: 08/07/2018	
Perforations	Top: 8288	Bottom: 17597	No. Holes: 1601	Hole size: 0.42	
Provide a brief summary of the formation treatment:			Open Hole: <input type="checkbox"/>		
40 stages, 6,584,280 lbs 100Mesh white sand, 11,219,860 lbs 30/50 mesh regional sand, 2,152,320 lbs 30/50 white sand, 406,598 bbls Slickwater, 19,800 gal 15% concentration HCL acid.					
This formation is commingled with another formation:			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Total fluid used in treatment (bbl): 407069		Max pressure during treatment (psi): 8125			
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): 0.99			
Total acid used in treatment (bbl): 471		Number of staged intervals: 40			
Recycled water used in treatment (bbl):		Flowback volume recovered (bbl): 31440			
Fresh water used in treatment (bbl): 406598		Disposition method for flowback: DISPOSAL			
Total proppant used (lbs): 19956460		Rule 805 green completion techniques were utilized: <input type="checkbox"/>			
Reason why green completion not utilized: PIPELINE					
<b>Fracture stimulations must be reported on FracFocus.org</b>					
<b>Test Information:</b>					
Date: 08/06/2018	Hours: 24	Bbl oil: 169	Mcf Gas: 112	Bbl H2O: 1090	
Calculated 24 hour rate:	Bbl oil: 169	Mcf Gas: 112	Bbl H2O: 1090	GOR: 663	
Test Method: Flowback	Casing PSI: 0	Tubing PSI: 800	Choke Size: 18/64		
Gas Disposition: FLARED	Gas Type: DRY	Btu Gas: 1486	API Gravity Oil: 40		
Tubing Size: 2 + 3/8	Tubing Setting Depth: 7824	Tbg setting date: 07/26/2018	Packer Depth: 7811		
Reason for Non-Production: <div style="border: 1px solid black; height: 20px; width: 100%;"></div>					
Date formation Abandoned:	Squeeze: <input type="checkbox"/> Yes <input type="checkbox"/> 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: PRODUCING Treatment Type: FRACTURE STIMULATION  
Treatment Date: 06/30/2018 End Date: 07/14/2018 Date of First Production this formation: 08/07/2018  
Perforations Top: 13641 Bottom: 13970 No. Holes: 70 Hole size: 0.42  
Provide a brief summary of the formation treatment: Open Hole: ☐

Completed Interval: 13,641' - 13,970'

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: 5/29/2020 Email: cnunez@enerplus.com

**Attachment List**

Att Doc Num	Name
401746651	FORM 5A SUBMITTED
401746868	WELLBORE DIAGRAM

Total Attach: 2 Files

### General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Corrected choke size per operator. Pass.	10/29/2020
Permit	Form 7 reporting does not correspond with form 5A. Corrected statuses on zones tab. Corrected GOR, choke incorrect. Contact operator.	10/13/2020
Engineer	returned to DRAFT - there should not be any Jsand indicated in this well or the permitting needs to be updated/approved	03/12/2020
Engineer	Nio perf at 13,992 with a Codell perf starting at 14,007' - seemingly would have to traverse the Ft. Hays which is typically thicker than 15' rt'd to DRAFT for possible correction (Form 5 incomplete) rt'd to DRAFT Tubing setting date is 2017 in some panels Form 7 not back to spud Form 7 shows 31 days PR July 2018 – 5A says treatment started 6/30 and ended 7/17/18 – do not typically see wells produce until after flowback.	04/25/2019
Permit	Referred for enforcement.	04/02/2019

Total: 5 comment(s)