

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



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Document Number:

401987785

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: 47120
2. Name of Operator: KERR MCGEE OIL & GAS ONSHORE LP
3. Address: P O BOX 173779
City: DENVER State: CO Zip: 80217-
4. Contact Name: Callie Fiddes
Phone: (720) 929-4361
Fax:
Email: Callie.Fiddes@Anadarko.com

5. API Number 05-123-45908-00
6. County: WELD
7. Well Name: AZUL
Well Number: 13-9HZ
8. Location: QtrQtr: SWSW Section: 13 Township: 1N Range: 66W Meridian: 6
9. Field Name: WATTENBERG Field Code: 90750

Completed Interval

FORMATION: CARLILE Status: COMMINGLED Treatment Type: FRACTURE STIMULATION

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

Perforations Top: 8006 Bottom: 10714 No. Holes: 306 Hole size: 0.44

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

Carlile: 8006-8049, 10481-10714

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: <u>CARLILE-CODELL-FORT HAYS</u>		Status: <u>PRODUCING</u>		Treatment Type: <u>FRACTURE STIMULATION</u>	
Treatment Date: <u>01/22/2019</u>		End Date: <u>01/25/2019</u>		Date of First Production this formation: <u>02/20/2019</u>	
Perforations	Top: <u>8006</u>	Bottom: <u>12732</u>	No. Holes: <u>306</u>	Hole size: <u>0.44</u>	

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

PERF AND FRAC FROM 8006-12732.

 121 BBL 7.5% HCL ACID, 2,473 BBL BIO WATER, 87,012 BBL SLICKWATER, 89,607 TOTAL FLUID, 2,668,989# 40/70 OTTAWA/ST. PETERS, 2,668,989# TOTAL SAND.

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

Total fluid used in treatment (bbl): <u>89607</u>	Max pressure during treatment (psi): <u>7531</u>
Total gas used in treatment (mcf): <u>0</u>	Fluid density at initial fracture (lbs/gal): <u>8.30</u>
Type of gas used in treatment: _____	Min frac gradient (psi/ft): <u>0.87</u>
Total acid used in treatment (bbl): <u>121</u>	Number of staged intervals: <u>13</u>
Recycled water used in treatment (bbl): <u>750</u>	Flowback volume recovered (bbl): <u>13990</u>
Fresh water used in treatment (bbl): <u>88735</u>	Disposition method for flowback: <u>RECYCLE</u>
Total proppant used (lbs): <u>2668989</u>	Rule 805 green completion techniques were utilized: <input checked="" type="checkbox"/>

Reason why green completion not utilized: _____

Fracture stimulations must be reported on FracFocus.org

Test Information:

Date: <u>03/24/2019</u>	Hours: <u>24</u>	Bbl oil: <u>67</u>	Mcf Gas: <u>80</u>	Bbl H2O: <u>200</u>
Calculated 24 hour rate:	Bbl oil: <u>67</u>	Mcf Gas: <u>80</u>	Bbl H2O: <u>200</u>	GOR: <u>1194</u>
Test Method: <u>Flowing</u>	Casing PSI: <u>2300</u>	Tubing PSI: <u>2300</u>	Choke Size: <u>14/64</u>	
Gas Disposition: <u>SOLD</u>	Gas Type: <u>WET</u>	Btu Gas: <u>1297</u>	API Gravity Oil: <u>43</u>	
Tubing Size: <u>2 + 3/8</u>	Tubing Setting Depth: <u>7594</u>	Tbg setting date: <u>03/20/2019</u>	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: 8049 Bottom: 12732 No. Holes: 306 Hole size: 0.44

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

Codell: 8049-8705, 8835-10481, 10714-11896, 11948-12732

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: 8705 Bottom: 11948 No. Holes: 306 Hole size: 0.44

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

Fort Hays: 8705-8835, 11896-11948

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 48' FNL, 1435' FWL, Sec 24.

Anadarko 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@Anadarko.com

Attachment Check List

Att Doc Num **Name**

401987880 OTHER

Total Attach: 1 Files

General Comments

User Group **Comment**

Comment Date

Stamp Upon Approval

Total: 0 comment(s)