

FORM 5A

Rev 06/12

State of Colorado Oil and Gas Conservation Commission

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Table with columns DE, ET, OE, ES

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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 05-123-46259-00
6. County: WELD
7. Well Name: QUARTER CIRCLE
Well Number: 24-11HZ
8. Location: QtrQtr: SESW Section: 24 Township: 1N Range: 67W 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: 16445 Bottom: 16719 No. Holes: 576 Hole size: 0.44

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

Carlile: 16445-16719

This formation is commingled with another formation: [X] Yes [] No

Total fluid used in treatment (bbl):
Total gas used in treatment (mcf):
Type of gas used in treatment:
Total acid used in treatment (bbl):
Recycled water used in treatment (bbl):
Fresh water used in treatment (bbl):
Total proppant used (lbs):
Max pressure during treatment (psi):
Fluid density at initial fracture (lbs/gal):
Min frac gradient (psi/ft):
Number of staged intervals:
Flowback volume recovered (bbl):
Disposition method for flowback:
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: CARLILE-CODELL-FORT HAYS Status: PRODUCING Treatment Type: FRACTURE STIMULATION

Treatment Date: 08/26/2018 End Date: 09/06/2018 Date of First Production this formation: 11/21/2018

Perforations Top: 8158 Bottom: 17730 No. Holes: 576 Hole size: 0.44

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

PERF AND FRAC FROM 8158-17730.

71 BBL 7.5% HCL ACID, 9,148 BBL PUMP DOWN, 165,277 BBL SLICKWATER, 174,497 TOTAL FLUID, 4,967,947# 40/70 GENOA/SAND HILLS, 4,967,947# TOTAL SAND.

This formation is commingled with another formation: Yes No

Total fluid used in treatment (bbl): 174496 Max pressure during treatment (psi): 7757

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): 0.80

Total acid used in treatment (bbl): 71 Number of staged intervals: 26

Recycled water used in treatment (bbl): 1500 Flowback volume recovered (bbl): 2344

Fresh water used in treatment (bbl): 172925 Disposition method for flowback: RECYCLE

Total proppant used (lbs): 4967947 Rule 805 green completion techniques were utilized:

Reason why green completion not utilized: _____

Fracture stimulations must be reported on FracFocus.org

Test Information:

Date: 12/17/2018 Hours: 24 Bbl oil: 589 Mcf Gas: 340 Bbl H2O: 192

Calculated 24 hour rate: Bbl oil: 589 Mcf Gas: 340 Bbl H2O: 192 GOR: 577

Test Method: Flowing Casing PSI: 2000 Tubing PSI: 1900 Choke Size: 14/64

Gas Disposition: SOLD Gas Type: WET Btu Gas: 1229 API Gravity Oil: 54

Tubing Size: 2 + 3/8 Tubing Setting Depth: 7730 Tbg setting date: 12/06/2018 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: 8346 Bottom: 17730 No. Holes: 576 Hole size: 0.44

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

Codell: 8346-8733, 8741-12638, 12957-16445, 16719-17730

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: 8158 Bottom: 12957 No. Holes: 576 Hole size: 0.44

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

Fort Hays: 8158-8346, 8733-8741, 12638-12957

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 862' FSL, 2268' FEL, Sec 24.

Anadarko certifies compliance with rule 317.s.

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: 1/2/2019 Email: Callie.Fiddes@Anadarko.com

Attachment Check List

Table with 2 columns: Att Doc Num, Name. Row 1: 401854887, FORM 5A SUBMITTED

Total Attach: 1 Files

General Comments

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

Total: 0 comment(s)