

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:

400357960

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: 10414
2. Name of Operator: CASCADE PETROLEUM LLC
3. Address: 1331 17TH STREET #400
City: DENVER State: CO Zip: 80202
4. Contact Name: SAM SCHUESSLER
Phone: (303) 407-6512
Fax: (303) 407-6501

5. API Number 05-073-06461-00
6. County: LINCOLN
7. Well Name: Stum
Well Number: 06-0715
8. Location: QtrQtr: SENW Section: 7 Township: 11S Range: 55W Meridian: 6
9. Field Name: WILDCAT Field Code: 99999

Completed Interval

FORMATION: ATOKA Status: ABANDONED WELLBORE/COMPLETION Treatment Type: ACID JOB
Treatment Date: 10/30/2012 End Date: 11/30/2012 Date of First Production this formation:
Perforations Top: 7483 Bottom: 7514 No. Holes: 76 Hole size: 46/100

Provide a brief summary of the formation treatment:

Open Hole: ☐

perforate w/ 4" perf gun 4 SPF, 7405-14' and 7483-92'. pump 19 bbls 15% HCL with adds. flush with 40 barrels 2% KCL. Dump 2 sks cement on CIBP at 7474'.

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

Total fluid used in treatment (bbl): 59

Max pressure during treatment (psi): 2800

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): 19

Number of staged intervals:

Recycled water used in treatment (bbl):

Flowback volume recovered (bbl): 59

Fresh water used in treatment (bbl): 40

Disposition method for flowback: DISPOSAL

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: 11/05/2012 Hours: 4 Bbl oil: 0 Mcf Gas: 0 Bbl H2O: 0
Calculated 24 hour rate: Bbl oil: 0 Mcf Gas: 0 Bbl H2O: 0 GOR: 0
Test Method: swab Casing PSI: 0 Tubing PSI: 0 Choke Size:
Gas Disposition: Gas Type: Btu Gas: 0 API Gravity Oil: 0
Tubing Size: 2 + 7/8 Tubing Setting Depth: 7441 Tbg setting date: 10/30/2012 Packer Depth: 7441

Reason for Non-Production: no inflow

Date formation Abandoned: 11/30/2012 Squeeze: ☐ Yes ☒ No If yes, number of sacks cmt

** Bridge Plug Depth: 7474 ** Sacks cement on top: 2 ** Wireline and Cement Job Summary must be attached.

FORMATION: <u>CHEROKEE</u>		Status: <u>PRODUCING</u>		Treatment Type: <u>ACID JOB</u>	
Treatment Date:	<u>11/30/2012</u>	End Date:	<u>01/09/2013</u>	Date of First Production this formation:	<u>12/02/2012</u>
Perforations	Top: <u>7279</u>	Bottom: <u>7435</u>	No. Holes: <u>308</u>	Hole size: <u>42/100</u>	

Open Hole:

perf "D" 7415-7435' 4 SPF. set pkr at 7373'. pump 50 bbls 15% HCL with adds. flush with 55 bbls 2% KCL water. set CIBP w 2 sks cement at 7400'. perf "C" 7360-7368' 6 SPF. set pkr at 7340'. pump 20 bbls 15% HCL. flush with 50 bbls 2% KCL. set CBP w two sx at 7350. perf "B" 7318-28' 2 spf. gas gun. set packer at 7310'. pump 25 bbls 15% HCL. flush with 50 bbls 2% KCL water. pump 30 bbls 15% HCL. flush with 55 bbls 2% KCL water. set CBP w/ two sx at 7310'. perf "A" 7279-99' 6 spf. gas gun. set packer at 7275'. pump 50 bbls 15% HCL. flush with 60 bbls 2% KCL water. Set CBP w 2 sks cmnt at 7270' to test Marmaton.

☒ Yes ☐ No

Max pressure during treatment (psi): 1900

Fluid density at initial fracture (lbs/gal):

Min frac gradient (psi/ft):

Number of staged intervals:

Flowback volume recovered (bbl): 445

Disposition method for flowback: DISPOSAL

Rule 805 green completion techniques were utilized: ☒

Reason why green completion not utilized:

Fracture stimulations must be reported on FracFocus.org

Test Information:

Date:	01/09/2013	Hours:	12	Bbl oil:	187	Mcf Gas:	0	Bbl H2O:	329
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Calculated 24 hour rate:	Bbl oil:	374	Mcf Gas:	0	Bbl H2O:	658	GOR:	0
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Test Method: swab Casing PSI: 50 Tubing PSI: 0 Choke Size:

Gas Disposition:	Gas Type:	Btu Gas:	0	API Gravity Oil:	36
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Tubing Size: 2 + 7/8 Tubing Setting Depth: 7275 Tbg setting date: 01/02/2013 Packer Depth: 7275

Reason for Non-Production:	
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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: MARMATON Status: PRODUCING Treatment Type: ACID JOB
Treatment Date: 01/10/2013 End Date: 01/18/2013 Date of First Production this formation: 01/11/2013
Perforations Top: 7198 Bottom: 7246 No. Holes: 132 Hole size: 43/100

Provide a brief summary of the formation treatment:

Open Hole: ☐

W/L perforate 7240-7246', 7227-7233', 7198-7208' 6 spf. Spot and fire gas gun at 7240', 7227', 7198'. Pump 55 bbls 15% HCL. Flush with 50 bbls 2% KCL water. Set CBP at 7165' w/ 2 sks cement to test Wolfcamp.

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

Total fluid used in treatment (bbl): 105

Max pressure during treatment (psi): 150

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): 55

Number of staged intervals:

Recycled water used in treatment (bbl):

Flowback volume recovered (bbl): 105

Fresh water used in treatment (bbl): 50

Disposition method for flowback: DISPOSAL

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: 01/16/2013 Hours: 9 Bbl oil: 45 Mcf Gas: 0 Bbl H2O: 89
Calculated 24 hour rate: Bbl oil: 120 Mcf Gas: 0 Bbl H2O: 237 GOR: 0
Test Method: swab Casing PSI: 30 Tubing PSI: 32 Choke Size:
Gas Disposition: Gas Type: Btu Gas: 0 API Gravity Oil: 36
Tubing Size: 2 + 7/8 Tubing Setting Depth: 7171 Tbg setting date: 01/11/2013 Packer Depth: 7171

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: WOLFCAMP Status: ABANDONED WELLBORE/COMPLETION Treatment Type: ACID JOB
Treatment Date: 01/18/2013 End Date: 02/20/2013 Date of First Production this formation: 01/19/2013
Perforations Top: 5968 Bottom: 6156 No. Holes: 264 Hole size: 43/100

Provide a brief summary of the formation treatment:

Open Hole: ☐

Perforate Lower Wolfcamp 6142-6156' 6 spf. Spot top of gas gun at 6152' and fire. Spot top of gas gun at 6142' and fire. Pump 35 bbls HCL. Flush with 50 bbls 2% KCL water. Set CBP w/ 2 sks cement on top at 6119'. Perforate Middle Wolfcamp 6033-6043' 6 spf. Spot top of gas gun at 6033' and fire. Pump 25 bbls 15% HCL. Flush with 42 bbls 2% KCL water. Set CBP w/ 2 sks cement on top at 6022'. Perforate Upper Wolfcamp 5968-5988' 6 spf. Spot top of gas gun at 5978' and fire. Spot top of gas gun at 5968' and fire. Pump 15 bbls 15% HCL. Flush with 50 bbls 2% KCL.

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

Total fluid used in treatment (bbl): 217

Max pressure during treatment (psi): 1180

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): 75

Number of staged intervals:

Recycled water used in treatment (bbl):

Flowback volume recovered (bbl): 519

Fresh water used in treatment (bbl): 142

Disposition method for flowback: DISPOSAL

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: 01/16/2013 Hours: 9 Bbl oil: 13 Mcf Gas: 0 Bbl H2O: 534
Calculated 24 hour rate: Bbl oil: 35 Mcf Gas: 0 Bbl H2O: 1424 GOR: 0
Test Method: swab Casing PSI: 0 Tubing PSI: 0 Choke Size:
Gas Disposition: Gas Type: Btu Gas: 0 API Gravity Oil: 34
Tubing Size: 2 + 7/8 Tubing Setting Depth: 5933 Tbg setting date: 01/31/2013 Packer Depth: 5933

Reason for Non-Production: tested wet

Date formation Abandoned: 02/20/2013 Squeeze: ☒ Yes ☐ No If yes, number of sacks cmt 150

** 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: SAM SCHUESSLER

Title: ENGINEERING TECH Date: Email sschuessler@cascadepetroleum.com

Attachment Check List

Att Doc Num	Name
400388072	OPERATIONS SUMMARY
400388073	CEMENT JOB SUMMARY

Total Attach: 2 Files

General Comments

User Group	Comment	Comment Date

Total: 0 comment(s)