

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:

402048325

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: 10373  
2. Name of Operator: NGL WATER SOLUTIONS DJ LLC  
3. Address: 3773 CHERRY CRK NORTH DR #1000  
City: DENVER State: CO Zip: 80209  
4. Contact Name: JOE VARGO  
Phone: (303) 815-1010  
Fax:  
Email: Joseph.Vargo@nglep.com

5. API Number 05-123-47682-00  
6. County: WELD  
7. Well Name: SOUTH WELD SWD  
Well Number: 1  
8. Location: QtrQtr: SWNE Section: 30 Township: 1N Range: 66W Meridian: 6  
9. Field Name: WATTENBERG Field Code: 90750

Completed Interval

FORMATION: ATOKA Status: SHUT IN Treatment Type: ACID JOB  
Treatment Date: 04/19/2019 End Date: 04/19/2019 Date of First Production this formation:  
Perforations Top: 10966 Bottom: 11040 No. Holes: 0 Hole size: 0

Provide a brief summary of the formation treatment:

Open Hole: ☒

Mix 523 bbls 15% HCL. Pumping acid down hole 28 BPM, 585 psi. W/ acid on formation still pumping 28 BPM, pressure down to 427 psi. Flush acid w/500 bbls of filtered wtr w/ bio, max pressure 790 psi. ISIP 440, 400 in 5, 362 in 10, 333 in 15. There were NO perforations done - the above intervals are just the injection formation top & bottom.

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>BLAINE</u>		Status: <u>SHUT IN</u>		Treatment Type: <u>ACID JOB</u>	
Treatment Date: <u>04/19/2019</u>		End Date: <u>04/19/2019</u>		Date of First Production this formation: _____	
Perforations	Top: <u>9104</u>	Bottom: <u>9166</u>	No. Holes: <u>0</u>	Hole size: <u>0</u>	

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

Mix 523 bbls 15% HCL. Pumping acid down hole 28 BPM, 585 psi. W/ acid on formation still pumping 28 BPM, pressure down to 427 psi. Flush acid w/500 bbls of filtered wtr w/ bio, max pressure 790 psi. ISIP 440, 400 in 5, 362 in 10, 333 in 15. There were NO perforations done - the above intervals are just the injection formation top & bottom.

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: <input type="checkbox"/>

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: DENVER BASIN COMBINED DISPOSAL ZONE		Status: SHUT IN		Treatment Type: ACID JOB	
Treatment Date: 04/19/2019		End Date: 04/19/2019		Date of First Production this formation:	
Perforations Top: 9104		Bottom: 11040		No. Holes: 0 Hole size: 0	

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

Mix 523 bbls 15% HCL. Pumping acid down hole 28 BPM, 585 psi. W/ acid on formation still pumping 28 BPM, pressure down to 427 psi. Flush acid w/500 bbls of filtered wtr w/ bio, max pressure 790 psi. ISIP 440, 400 in 5, 362 in 10, 333 in 15. There were NO perforations done - the above intervals are just the injection formation top & bottom.

This formation is commingled with another formation: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Total fluid used in treatment (bbl): 1023	Max pressure during treatment (psi): 813
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): 523	Number of staged intervals:
Recycled water used in treatment (bbl): 500	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: <input type="checkbox"/>
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: 5 + 1/2	Tubing Setting Depth: 9120	Tbg setting date: 04/24/2019	Packer Depth: 9120	

Reason for Non-Production:

Date formation Abandoned:	Squeeze: <input type="checkbox"/> Yes <input type="checkbox"/> No	If yes, number of sacks cmt
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\*\* Bridge Plug Depth:                      \*\* Sacks cement on top:                      \*\* Wireline and Cement Job Summary must be attached.

FORMATION: FOUNTAIN		Status: SHUT IN		Treatment Type: ACID JOB	
Treatment Date: 04/19/2019		End Date: 04/19/2019		Date of First Production this formation:	
Perforations	Top: 9525	Bottom: 10966	No. Holes: 0	Hole size: 0	
Provide a brief summary of the formation treatment:			Open Hole: <input checked="" type="checkbox"/>		
Mix 523 bbls 15% HCL. Pumping acid down hole 28 BPM, 585 psi. W/ acid on formation still pumping 28 BPM, pressure down to 427 psi. Flush acid w/500 bbls of filtered wtr w/ bio, max pressure 790 psi. ISIP 440, 400 in 5, 362 in 10, 333 in 15. There were NO perforations done - the above intervals are just the injection formation top & bottom.					
This formation is commingled with another formation:			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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: <input type="checkbox"/>			
Reason why green completion not utilized: _____					
<b>Fracture stimulations must be reported on FracFocus.org</b>					
<b><u>Test Information:</u></b>					
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: <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: LOWER SATANKA		Status: SHUT IN		Treatment Type: ACID JOB	
Treatment Date: 04/19/2019		End Date: 04/19/2019		Date of First Production this formation:	
Perforations	Top: 9290	Bottom: 9525	No. Holes: 0	Hole size: 0	

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

Mix 523 bbls 15% HCL. Pumping acid down hole 28 BPM, 585 psi. W/ acid on formation still pumping 28 BPM, pressure down to 427 psi. Flush acid w/500 bbls of filtered wtr w/ bio, max pressure 790 psi. ISIP 440, 400 in 5, 362 in 10, 333 in 15. There were NO perforations done - the above intervals are just the injection formation top & bottom.

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: <input type="checkbox"/>

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: LYONS Status: SHUT IN Treatment Type: ACID JOB  
 Treatment Date: 04/19/2019 End Date: 04/19/2019 Date of First Production this formation: \_\_\_\_\_  
 Perforations Top: 9166 Bottom: 9290 No. Holes: 0 Hole size: 0  
 Provide a brief summary of the formation treatment: \_\_\_\_\_ Open Hole: ☒

Mix 523 bbls 15% HCL. Pumping acid down hole 28 BPM, 585 psi. W/ acid on formation still pumping 28 BPM, pressure down to 427 psi. Flush acid w/500 bbls of filtered wtr w/ bio, max pressure 790 psi. ISIP 440, 400 in 5, 362 in 10, 333 in 15. There were NO perforations done - the above intervals are just the injection formation top & bottom.

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: PAUL GOTTLÖB  
 Title: Regulatory & Engin. Tech. Date: \_\_\_\_\_ Email: paul.gottlob@iptenergyservices.com  
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**Attachment Check List**

<u>Att Doc Num</u>	<u>Name</u>
402048886	WELLBORE DIAGRAM
402049194	OPERATIONS SUMMARY

Total Attach: 2 Files

**General Comments**

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
		Stamp Upon Approval

Total: 0 comment(s)