

**FORM  
INSP**

Rev  
X/15

**State of Colorado  
Oil and Gas Conservation Commission**

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



Inspection Date:

12/30/2019

Submitted Date:

12/31/2019

Document Number:

690101620

**FIELD INSPECTION FORM**

Loc ID \_\_\_\_\_ Inspector Name: Maclaren, Joe On-Site Inspection  2A Doc Num: \_\_\_\_\_

**Operator Information:**

OGCC Operator Number: 10373  
Name of Operator: NGL WATER SOLUTIONS DJ LLC  
Address: 3773 CHERRY CRK NORTH DR #1000  
City: DENVER State: CO Zip: 80209

**Status Summary:**

- THIS IS A FOLLOW UP INSPECTION
- FOLLOW UP INSPECTION REQUIRED
- NO FOLLOW UP INSPECTION REQUIRED

**Findings:**

3 Number of Comments  
0 Number of Corrective Actions  
 Corrective Action Response Requested

**ANY CORRECTIVE ACTION(S) FROM PREVIOUS INSPECTIONS THAT HAVE NOT BEEN ADDRESSED ARE STILL APPLICABLE**

**Contact Information:**

Contact Name	Phone	Email	Comment
Schlagenhauf, Mark		mark.schlagenhauf@state.co.us	
Koehler, Bob		bob.koehler@state.co.us	
Canfield, Chris		chris.canfield@state.co.us	
Vargo, Joseph		Joseph.Vargo@nglep.com	

**Inspected Facilities:**

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status
443950	WELL	IJ		DSPW	123-42433	NGL C2B	EG
470399	SPILL OR RELEASE	AC	12/30/2019		-	NGL C2C	EG

**General Comment:**

Engineering integrity inspection performed on December 30th, 2019 in response to initial form 19 spill report Doc #402273698 received by COGCC on 12/29/2019 that outlines: A gasket failed on one of the initial C2C flowline risers. This caused a 13 BBL spill that was entirely contained to the well pad and was completely cleaned up using a vac truck. This gasket failure was noticed around 3pm on Saturday, December 28, 2019 and flowline was quickly shut down and vac truck removed any water from dirt clay well pad.

Details of observations made during this field inspection are located in the flowline and comment sections of this report. Photos uploaded.

**Inspected Facilities**

Facility ID: 443950 Type: WELL API Number: 123-42433 Status: IJ Insp. Status: EG

**Flowline**

#1	Type: Non-Well Site	1 of Lines
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Flowline Description

Flowline Type: <u>Non-Well Site</u>	Size: <u>6"</u>	Material: <u>Carbon Steel</u>
Variance: <u>No</u>	Age: <u>1-5 Yrs</u>	Contents: <u>Produced Water</u>

Integrity Summary

Failures: <u>Other</u>	Spills: <u>Yes</u>	Repairs Made: <u>Yes</u>
Coatings: <u>Yes External</u>	H2S: <u>No</u>	Cathodic Protection:

Pressure Testing

Witnessed:	Test Result:	Charted:
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COGCC Rules (check all that apply)

1101. Installation and Reclamation     1102. Operations, Maintenance, and Repair     1103. Abandonment

Comment: COGCC Inspector met with met with NGL Water Solutions Facility Operator David Downs on location. The produced water spill occurred at a flange connection on the flowline riser located adjacent to the C2B Injection well; the failure appears to be a result of a failed gasket at the CS-CS flange connection (raised face ring gasket). The release was identified during a scheduled visual inspection at the wellhead (performed 3x daily). The release did not trigger a Scada alarm; shut down was performed manually. No upset (overpressure) conditions were recorded by the operator prior to failure (MOAP 2300 PSI/ OP 1700 PSI) The failed gasket was observed covered with a red-brown scale deposit and appeared to be worn on the edges. The PW spill traveled downslope from the enclosed wellhead to the southeast (footprint approx. 30' x 60' area). The IJ well/ flowline has been returned to service. Remediation work is in progress.

\*Note: Add/ upload the following information to the (CA section) supplemental form 19.

1. Operator determination of root cause of failure
2. Measures taken to prevent a reoccurrence
3. Description of repairs completed
4. Integrity confirmation of repairs completed to flowline (pressure testing data)

Corrective Action: \_\_\_\_\_ Date: \_\_\_\_\_

Facility ID: 470399 Type: SPILL OR API Number: - Status: AC Insp. Status: EG

**COGCC Comments**

Comment	User	Date
*Note: As communicated by NGL personnel on location; The failure and release occurred at the NGL C2B Injection well (API 123-42433); not the C2C (API 123-42698) as indicated on the COGCC form 19 spill report Doc #402273698. The form 19 requires a revision by the operator to reflect more accurate information.	maclarej	12/31/2019

**Attached Documents**

You can go to COGCC Images (<https://cogcc.state.co.us/weblink/>) and search by document number:

Document Num	Description	URL
690101621	Well signage	<a href="http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=5025415">http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=5025415</a>
690101622	Failed flange connection (repaired)	<a href="http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=5025416">http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=5025416</a>

690101623	Spill footprint (stained area); view SE toward facility	<a href="http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=5025417">http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=5025417</a>
690101624	Failed gasket; scale deposits	<a href="http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=5025418">http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=5025418</a>