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

FIELD INSPECTION FORM

Inspection Date: 12/28/2016
Submitted Date: 12/30/2016
Document Number: 674603066

Loc ID	Inspector Name:	On-Site Inspection
321399	Maclaren, Joe	2A Doc Num:

Operator Information:

OGCC Operator Number: 10575
Name of Operator: 8 NORTH LLC
Address: 370 17TH STREET SUITE 5300
City: DENVER State: CO Zip: 80202

Status Summary:

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

Findings:

5 Number of Comments
0 Number of Corrective Actions
☐ Corrective Action Response Requested

Contact Information:

Contact Name	Phone	Email	Comment
,		COGCCInspections@extractionog.com	
Schlagenhauf, Mark		mark.schlagenhauf@state.co.us	
Hazard, Ellice		ellice.hazard@state.co.us	
Canfield, Chris		chris.canfield@state.co.us	
Carlisle, Josh		jcarlisle@extractionog.com	

Inspected Facilities:

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status
206858	WELL	PR	06/15/1993	GW	013-06353	BECKY MB 36-12	EG

General Comment:

COGCC Engineering Integrity Inspection (flowline) performed on December 28th, 2016 in response to initial form 19 spill report Doc #401173418 received on 12/23/2016 that outlines: A surface gas leak was identified by a FLIR camera during a Boulder CO inspection on the Becky 36-12 flow line. The well was immediately shut-in until a crew could expose the line. Once exposed the pin hole leak was located and some of the suspected soil impacts were excavated and placed on a liner. Groundwater was encountered. The details of observations made during this field inspection are available in the flowline section of this report. Photo's have been uploaded and can be accessed via link(s) at the end of this report.

Inspector Name: Maclaren, Joe

Inspected Facilities

Facility ID: 206858 Type: WELL API Number: 013-06353 Status: PR Insp. Status: EG

Flowline

#1	Type:Well Site	1 of Lines	

Flowline Description

Flowline Type: Well Site Size: 2" Material: Carbon Steel

Variance: No Age: 20+ Yrs Contents: Crude Oil

Integrity Summary

Failures: External Corrosion Spills: Yes Repairs Made: Yes

Coatings: No H2S: No Cathodic Protection: No

Pressure Testing

Witnessed: No Test Result: Charted:

COGCC Rules(check all that apply)

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

Comment: COGCC Integrity inspector met with the Extraction Oil and Gas contract supervisor (with TRRSI) while on location. The failed section of flowline was being flushed using fresh water at the time of this field inspection. The flowline was exposed in an excavation near the inlet to the separator. Ground water in the excavation was pumped out in order to observe the flowline. An external corrosion pinhole was identified on a non-coated section of wellsite flowline approximately 30' west of the inlet to the horizontal separator. Note: This area/ run of flowline has been repaired in the past by a previous operator. A newer/ replacement section of flowline (20' joint/ FBE coated 2" pipe) has been installed just west of the corrosion hole identified during this inspection on the original/ uncoated flowline.

Corrective Action: Date:

COGCC Comments

Comment	User	Date
Document and retain records of root cause(s) of faliure evaluation and preventative measures taken to prevent the problem from reoccurring (on supplemental form 19), description of all flowline repairs/ replacement(s) completed and perform flowline pressure testing (retain chart/ data) prior to returning flowline to service.	maclarej	12/30/2016
Pressure testing was conducted on 12/30/2016. COGCC staff was not notified of scheduling and this test was not witnessed. Forward post repair pressure testing chart to COGCC Engineering Integrity group at joe.maclaren@state.co.us (Call Joe MacLaren @ (970)-382-1680 with questions)	maclarej	12/30/2016
Based on phone communications with Extraction Oil and Gas contract personnel (TRRSI), the flowline repair was completed on 12/29/2016 the day after this field inspection was conducted. Approximately 15'-20' of new FBE coated pipe was welded in, replacing the failed section of flowline. An existing buried hammer union (installed during the previous operator repair) was removed as part of this repair. Note: On the west end of this repair, a new section of 2" FBE coated flowline was welded to the (coated) pipe that was used in the previous operator repair. The east side of this repair, however, did not terminate at the inlet to the separator. There is a short section (10'-15') of existing (uncoated/ original) flowline/ pipe that was left in place between the new replacement piece and the separator deemed to have adequate integrity by Extraction/ 8 North LLC personnel for continued production use.	maclarej	12/30/2016

Attached Documents

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

Document Num	Description	URL
674603068	Excavation/ flowline/ groundwater (view to east)	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4040990
674603069	Wellhead/ flowline being flushed with fresh water	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4040991
674603070	Flowlines entering (common) separator/ excavation	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4040992
674603071	External corrosion pinhole	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4040993
674603073	Previous repair (green) up to origional flowline	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4040994
674603074	View of pinhole looking west to previous repair	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4040995