

**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:

03/18/2020

Submitted Date:

03/23/2020

Document Number:

690101781

FIELD INSPECTION FORM

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

Status Summary:

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

Operator Information:

OGCC Operator Number: 46290
Name of Operator: KP KAUFFMAN COMPANY INC
Address: 1675 BROADWAY, STE 2800
City: DENVER State: CO Zip: 80202

Findings:

2 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
		cogcc@kpk.com	
Knop, Max		mknop@kpk.com	
Schlagenhauf, Mark		mark.schlagenhauf@state.co.us	
Canfield, Chris		chris.canfield@state.co.us	
Oakman, Kari		kari.oakman@state.co.us	

Inspected Facilities:

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status
473473	SPILL OR RELEASE	AC	03/16/2020		-	Facility #4AW Consolidation Line	EG

General Comment:

Engineering Integrity inspection performed on March 18th, 2020 in response to initial form 19 spill report Doc #402343094 received by COGCC on 03/14/2020 that outlines: A leak was detected along the Facility #4AW consolidated flowline on 3/13/20. Flowline was shut-in upon discovery to stop any further release of fluids. There were no pooled fluids at surface to recover, only surface staining.

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: 473473 Type: SPILL OR API Number: - Status: AC 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>10"</u>	Material: <u>Carbon Steel</u>
Variance: <u>No</u>	Age: <u>20+ Yrs</u>	Contents: <u>Multiphase</u>

Integrity Summary

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

Pressure Testing

Witnessed: <u>Yes</u>	Test Result: <u>Pass</u>	Charted: <u>Yes</u>
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COGCC Rules (check all that apply)

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

Comment: COGCC Inspector on location 3/17 & 3/18/2020; Inspector met with KPK personnel (on 3/17) in process of conducting excavation/ remediation activities and off location flowline repairs. A failure of the 10" CS Facility #4AW consolidation flowline resulted in the reportable spill; the failure appears to be associated with external corrosion on 10" CS pipe (damaged coating) in an area where a historical repair was previously completed. The 10" carbon steel flowline pipe transitions to 4" HDPE from 40.124045, -105.009597 in a northeast direction. Approximately 25' of existing flowline pipe material was cut out in the area of release; a new section of 4" HDPE pipe was installed using a CS to poly transition piece connected via CS and poly fusion welding.

COGCC Inspector witnessed pressure testing (on 3/18) which including the repaired section of the Facility #4AW off location flowline. Pressure test (using commingled produced fluids/ gas) was run for (1) hour; starting pressure recorded at 42 psi, ending pressure recorded at 42 psi. The pressure test was performed approximately 930' SW of the flowline repair (@ spill id #473473). Communication between endpoints was confirmed at the end of the test by releasing pressure at the Facility #4AW tank blowdown and observing a pressure change on the chart. The test recorded no pressure loss or deviation and adequate stabilization. The test was charted (paper chart/ attached) by KPK personnel. This test witnessed is deemed passing/ satisfactory per COGCC rule 1104.h.

Update CA section of supplemental form 19 spill report with additional details of the following:

- Root cause of failure resulting in this release (operator determination)
- Measures taken to prevent recurrence
- Written description of repairs completed (at spill ID #473473)
- Upload post repair pressure testing chart

Corrective Action: _____ Date: _____

Attached Documents

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

Document Num	Description	URL
690101793	Flowline repair work; 10" CS to 4" HDPE	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=5102687
690101794	Location of spill id #473473 (to NW)	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=5102688
690101795	Pressure test chart (post repair/ satisfactory)	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=5102689