

**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:

06/29/2020

Submitted Date:

06/30/2020

Document Number:

690101949

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:

- 6 Number of Comments
- 4 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
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Inspected Facilities:

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status
476987	SPILL OR RELEASE	AC	06/22/2020		-	NESSSU CONSOLIDATION	EG

General Comment:

Engineering Integrity inspection performed on June 29th, 2020 in response to initial form 19 spill report Doc #402427081 received by COGCC on 06/21/2020 that outlines: KPK was notified of a flowline release at approximately 9:15 pm on 6/20/2020 by the surface owner. Entire flowline system was shut-in on 6/20/2020 in response to the notification. Release occurred in a corn field affecting at least one row of corn in the field. Additional investigation is needed to confirm the root cause of the flowline failure. Initial excavation and hydrovac was performed to remove any pooled liquids present at the time of response to the flowline release notification. Based on historical release information, release has occurred at the location of spill/release point 470915 & REM project #15409.

Details of corrective actions identified during this field inspection are located in the flowline section of report. Photo log uploaded.

Inspected Facilities

Facility ID: 476987 Type: SPILL OR API Number: - Status: AC Insp. Status: EG

Flowline

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

Flowline Type: Non-Well Site Size: 3" Material: Fiberglass
 Variance: No Age: Contents: Crude Oil

Integrity Summary

Failures: Other Spills: Yes Repairs Made: Yes
 Coatings: No H2S: No Cathodic Protection: No

Pressure Testing

Witnessed: Test Result: Charted:

COGCC Rules (check all that apply)

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

Comment:

COGCC Integrity inspector was on site 6/26 & 6/29/2020. Inspector spoke with KPK personnel on site; the release (spill ID #476987) appears to be associated with the failure of a recent repair completed on the Nesssu Consolidation off location flowline. A 3" OD fiberglass flowline was previously repaired (04/2020) as a result of a spill identified (ID #470915) and reported on COGCC Form 19 Doc #402289216 received on 01/17/2020. Based on observations made by KPK personnel, a fiberglass glue on coupler style fitting installed during the previous repair developed a leak as a result of an inadequate bond between the fitting/ adhesive and flowline pipe. The second pipe repair is in the process of being completed.

Note: Excavation observed at 40.129619, -104.798581; (3) flowlines were exposed in the excavation. (1) 1.5" PVC (white in color) cut end observed in the south wall of the excavation and (2) 3" OD Fiberglass flowlines in N-S walls of excavation; Only (1) repair is in the process of being completed. Two of the three flowlines have been covered with fill material and are assumed to be open ended at both the N/S walls of the excavation. See additional corrective actions listed.

Corrective Action:

Email information outlined below to COGCC Inspector and update CA section of supplemental form 19 spill report to include the following (pertaining to compliance of COGCC series 1100 flowline regulations):
 1) Root cause of flowline failure(s) resulting in this release (operator determination).
 2) Measures taken to prevent a recurrence.
 3) Written description of flowline repair work completed (at spill ID #470915).
 4) Map of the general alignment of the off location flowlines exposed/ observed in the excavation.
 5) Contact COGCC Inspector with schedule of post repair pressure testing. Test to be witnessed by COGCC staff. Provide pressure testing charts for all (active) flowline(s) repaired; email to COGCC Inspector (See rule 1102.O).

Date: 07/31/2020

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

Flowline Type: Non-Well Site Size: Material:
 Variance: No Age: Contents: Crude Oil

Integrity Summary

Failures: Other Spills: Yes Repairs Made: Yes
 Coatings: No H2S: No Cathodic Protection: No

Pressure Testing

Witnessed: Test Result: Charted:

COGCC Rules(check all that apply)

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

Comment: During field inspection (3) flowlines were observed exposed in the excavation; only (1) flowline is in process of being repaired. KPK personnel appeared to have added backfill material over/ covering the open cut ends of (1) 1.5" PVC flowline (white in color) and (1) 3" OD fiberglass off location flowline.

Corrective Action: Comply with COGCC rule 1105 Abandonment; Repair all active flowlines intended for return to service; or Historically abandoned/ out of service flowlines exposed in the excavation must be abandoned per COGCC rule 1105 (ends sealed per 1105.e.4). Provide confirmation documentation of completion (photos) to COGCC Integrity Inspector.

Date: 07/31/2020

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

Flowline Type: Non-Well Site Size: 3" Material: Fiberglass
 Variance: No Age: Contents: Crude Oil

Integrity Summary

Failures: Other Spills: Yes Repairs Made: Yes
 Coatings: No H2S: No Cathodic Protection: No

Pressure Testing

Witnessed: Test Result: Charted:

COGCC Rules(check all that apply)

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

Comment: COGCC Integrity Inspector observed the 3" Fiberglass flowline repair completed by KPK personnel during inspection on 6/29/2020; The repaired section of fiberglass pipe and cut ends do not appear to align properly (curve/ possible tension on pipe). A bolted clamp was also observed as part of the repair. It is unclear if this repair meets COGCC rule 1102.j requirements.

Corrective Action: Provide documentation to COGCC Inspector to support compliance of rule 1102.j. Repair:

- (1) Each operator must make repairs in a safe manner that prevents injury to persons and damage to equipment and property.
- (2) An operator may not use any pipe, valve, or fitting to repair a flowline or crude oil transfer line unless the component meets the installation requirements of the 1100 Series rules for the repaired segment. For a flowline or crude oil transfer line installed prior to May 1, 2018 that undergoes a major modification or change in status after May 1, 2018, the segment repaired must satisfy all applicable requirements of the 1100 Series rules before an operator can return the flowline or crude oil transfer line to active status.
- (3) An operator may not install or operate any pipe, valve, or fitting for replacement or repair of a flowline or crude oil transfer line unless it is designed to the maximum anticipated operating pressure.
- (4) An operator must verify the integrity of any replaced or repaired segment of flowline or crude oil transfer line before returning it to use.
- (5) An operator must conduct a repair in accordance with the manufacturer's specifications or an applicable technical standard identified in Rule 1102.b.
- (6) Each segment of pipe, valve, or fitting that is found to leak or is unsafe must be replaced or repaired before returning it to service.
- (7) While conducting a repair, an operator must take reasonable precautions to prevent unintentional releases of pressure or fluid.

Date: 07/31/2020

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

Flowline Type: Non-Well Site Size: 3" Material: Fiberglass
 Variance: No Age: Contents: Crude Oil

Integrity Summary

Failures: Other Spills: Yes Repairs Made: Yes

Coatings: No

H2S: No

Cathodic Protection: No

Pressure Testing

Witnessed:

Test Result:

Charted:

COGCC Rules(check all that apply)

1101. Installation and Reclamation

1102. Operations, Maintenance, and Repair

1103. Abandonment

Comment:

Several operator (KPK) field personnel were observed on site during this field inspection; Details of an existing operator training program in place for KPK crews responsible for installation and repair of fiberglass pipe are unknown.

Corrective Action:

Provide documentation to support the following COGCC rule:
 1102.d. Installation.
 (1) Installation crews must be trained in flowline or crude oil transfer line installation practices for which they are tasked to perform.

Date: 07/31/2020

COGCC Comments

Comment	User	Date
The following Corrective Action shall be completed by the operator as outlined on COGCC EI FIR Doc #697600962: COAs to initial report are required. 45 days from date of discovery to investigate, remediate and close spill or to provide detailed site investigation plan via form 27 within 45 days of discovery (CAR Date 8/04/2020)	maclarej	06/30/2020

Attached Documents

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

Document Num	Description	URL
402435061	INSPECTION SUBMITTED	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=5187894
690101956	Photo Log	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=5187867