

**FORM
INSP**Rev
X/20**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:

07/21/2021

Submitted Date:

09/14/2021

Document Number:

697601450**FIELD INSPECTION FORM**Loc ID 317874 Inspector Name: GINTAUTAS, PETER On-Site Inspection ☐ 2A Doc Num: _____**Operator Information:**OGCC Operator Number: 46290Name of Operator: KP KAUFFMAN COMPANY INCAddress: 1675 BROADWAY, STE 2800City: 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 Comments2 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
Knop, Max	303-825-4822	MKnop@kpk.com	
Inspections, KPK		cogcc@kpk.com	All KPK Inspections

General Comment:

Environmental inspection of eastern portion of location at approximate location of permitted pit with no record of closure in COGCC records.

Sampling and analysis of surface soils in are of pit have elevated SAR, EC and hot water soluble boron indicative of still present impacts to the soils from produced water (E&P wastes). Locations of soils samples collected on 21 July 2021 are shown on attached annotated 2020 aerial image of the Haudrich location.

Environmental**Spills/Releases:**Type of Spill: PRODUCED WATER

Estimated Spill Volume: _____

Comment: Samples of soils in the area of the permitted pit were collected. Both samples 118086 #2 and 118086 #2 indicate impacts to soil from produced water spills/releases. Measured SAR in both sample exceeds Table 915-1 threshold of <6 and are much greater than the measured SAR in two background samples collected just off the location. Concentrations of hot water soluble boron in both samples from the pit area exceed Table 915-1 thresholds and are greater than the boron concentrations measured in two background samples collected off the location.

Corrective Action: Investigate suspected spill at site and report as appropriate to COGCC staff as required by rule 912 and subsections

Date: 09/17/2021Reportable: YESGPS: Lat 40.129223Long -104.788388

Proximity to Surface Water: _____

Depth to Ground Water: _____

Water Well Complaint:

Lat _____ Long _____

DWR Receipt Num: _____ Owner Name: _____ GPS : _____

Field Parameters:Sample Location: OtherComment: soil samples as shown on attached 2020 aerial image**Sample** Sample Type: SOIL GRABTime: 07/22/2021 (MM/dd/yyyy hh:mm) GPS: Lat _____ Long _____BTEX: _____ TPH: YES Anion: _____ Captions: _____ General Chemistry: _____

Dissolved Methane: _____ Composition: _____ Stable Isotopes: _____ 8260: _____

8270: _____ RCRA Metals: _____ 910-Metals: YES PAH: YESOther: saturated paste pH, EC and SAR, hot water solule

Comment: 2 soil grab samples (from 0-8 inches depth) collected on approximate area of pit visble in 1999 aerial photobackground samples collected as part of Inspection 697601444

Reclamation - Storm Water - Pit**Storm Water:**

Loc Erosion BMPs	BMP Maintenance	Lease Road Erosion BMPs	Lease BMP Maintenance	Chemical BMPs	Chemical BMP Maintenance	Comment

Comment: Corrective Action: Date: **Pits:** ☐ NO SURFACE INDICATION OF PITType: Produced WaterLined: NOPit ID: 118016Lat: 40.078497Long: -104.996606Reference Point: Other: Length: Width: **Lining:**Liner Type: Liner Condition: Comment: Corrective Action: Date: **Fencing:**Fencing Type: Fencing Condition: Comment: Corrective Action: Date: **Netting:**Netting Type: Netting Condition: Comment: Corrective Action: Date: Anchor Trench Present: Oil Accumulation: 2+ feet Freeboard: Comment: no pit depression observed at site of pit visible on 1999 aerial images and no record of pit closure found in COGCC documents as required by ruleCorrective Action: Submit form 27 to document closure of earthen pitDate: 10/14/2021**Attached Documents**You can go to COGCC Images (<https://cogcc.state.co.us/weblink/>) and search by document number:

Document Num	Description	URL
697601451	approx. area of pit from 1999 aerial images	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=5530297
697601560	sample locations on 2020 aerial image	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=5530298