

**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:

11/16/2017

Submitted Date:

11/20/2017

Document Number:

689100095**FIELD INSPECTION FORM**Loc ID 413221 Inspector Name: LUJAN, CARLOS On-Site Inspection ☐ 2A Doc Num: _____**Operator Information:**OGCC Operator Number: 10456Name of Operator: CAERUS PICEANCE LLCAddress: 1001 17TH STREET #1600City: DENVER State: CO Zip: 80202**Status Summary:**☐ THIS IS A FOLLOW UP INSPECTION☒ FOLLOW UP INSPECTION REQUIRED☐ NO FOLLOW UP INSPECTION REQUIRED**Findings:**8 Number of Comments1 Number of Corrective Actions☒ Corrective Action Response Requested**Contact Information:**

Contact Name	Phone	Email	Comment
Janicek, Jake		jjanicek@caerusoilandgas.com	EHS Professional
Lujan, Carlos		carlos.lujan@state.co.us	EPS, NW Region
Fischer, Alex		alex.fischer@state.co.us	Environmental Supervisor, NW
Spencer, Stan		stan.spencer@state.co.us	EPS, NW Region
Schlagenhauf, Mark		mark.schlagenhauf@state.co.us	
Middleton, Brett		bmiddleton@caerusoilandgas.com	Environmental Specialist

Inspected Facilities:

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status
453078	SPILL OR RELEASE	AC			-	17L-794 Flowline Release	EI

General Comment:

Environmental inspection conducted in response to a flowline spill discovered on the 17L-794 pad south of Rulison (Spill Point ID #453078). On site with Jake Janicek and Brett Middleton. Sunny, approx. 60 oF. During a routine site visit, Caerus technicians observed gas coming out of the pad surface between the wellheads and separators. A leaking flowline was discovered and shut in. Area was excavated. Shallow water table was observed at the bottom of the excavation. All impacted soil was removed and stock piled on the east side of the pad. A French drain crosses the impacted area. Water from the excavation area drains to storm water drainage that in turns discharges into a retention pond (storm water BMP). A pump system has been set-up to return water from the pond to the pad if necessary.

Caerus environmental consultant, LTE, was onsite taking soil and groundwater samples.

Caerus instructed LTE to install a temporary monitoring well in the excavation, so GW may be sampled at a later date (and after excavation is back filled).

Depending on the results, additional site investigation may be required, including installation of monitoring wells downgradient of the release point, on the pad and/or off the pad (near the retention pond).

LocationOverall Good: ☒

Emergency Contact Number:

Comment:

Corrective Action:

Date: _____

Overall Good: ☒**Spills:**

Type	Area	Volume			

In Containment: No

Comment:

☐ Multiple Spills and Releases?**Venting:**

Yes/No			
Comment:			
Corrective Action:		Date:	

Flaring:

Type		
Comment:		
Corrective Action:		Date:

Environmental**Spills/Releases:**

Type of Spill: PRODUCED WATER

Estimated Spill Volume: _____

Comment: Flow line from well head to separator leaked. Shallow water table is a concern. Site has a French drain constructed on the cut side of the pad to control groundwater elevation. Perforated pipe crosses the impacted area and discharges water into the storm water drainage.

Corrective Action: 1) Provide lab results with sampling locations and description of the temporary well to be installed in the excavation area. 2) When submitting the supplemental e-form 19, include a Figure that shows the French drain alignment, the location of the spill, the area excavated, the flow path from the French drain discharge to the retention pond (a BMP feature). Indicate on the figure the section of the French drain that is perforated and the depth of the drain at the spill location. Please indicate depth to GW as well. Describe the type of soil encountered during the excavation. 3) If analytical results indicate that the stock piled material from the excavation is not in compliance with Table 910-1 and will be land farmed on site, submit a Waste Management Plan describing extent, thickness, berms, and tiling frequency. A Financial Assurance may be required by the COGCC. 4) Provide any available information concerning pipeline failure analysis, integrity/pressure testing, and any data concerning the root causes of the spill. Provide all pipeline integrity data to the COGCC Pipeline Supervisor, Mark Schlagenhauf, at (303) 894- 2100 x5177 or mark.schlagenhauf@state.co.us

Date: 12/01/2017

Reportable: YES

GPS: Lat _____ Long _____

Proximity to Surface Water: _____

Depth to Ground Water: _____

Water Well Complaint:

Lat _____ Long _____

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

Field Parameters:

Sample Location: _____ Comment: _____

COGCC Comments

Comment	User	Date
Clean up and site investigation in process.	lujanc	11/20/2017

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

Document Num	Description	URL
401464545	INSPECTION SUBMITTED	http://ogccwebblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4306287
689100096	Photo Report Caerus 17L Pad	http://ogccwebblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4306284