

**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:

08/24/2020

Submitted Date:

08/25/2020

Document Number:

696201655

FIELD INSPECTION FORM

Loc ID 334416 Inspector Name: Trujillo, Aaron On-Site Inspection 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: 10456
Name of Operator: CAERUS PICEANCE LLC
Address: 1001 17TH STREET #1600
City: DENVER State: CO Zip: 80202

Findings:

- 4 Number of Comments
- 1 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.inspections@caerusoilandgas.com	All Inspections
Arauzo, Steven		steven.arauza@state.co.us	

Inspected Facilities:

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status
334416	LOCATION	AC			-	Keinath Federal 17-11H (C16OU)	RI
469290	SPILL OR RELEASE	CL	12/27/2019		-	C16OU Flowline Release	RI

General Comment:

On 8/24/2020, Reclamation Specialist Trujillo conducted a joint inspection with West Environmental Protection Specialist S. Arauzo at Caerus Piceance LLC's Keinath Federal 17-11H C16OU location in Mesa County, Colorado.

This inspection is in regards to the C16OU flowline release

Any corrective action(s) from previous inspections that have not been addressed are still applicable.

Inspected Facilities

Facility ID: 334416 Type: LOCATION API Number: - Status: AC Insp. Status: RI

Facility ID: 469290 Type: SPILL OR API Number: - Status: CL Insp. Status: RI

Reclamation - Storm Water - Pit

Interim Reclamation:

Date Interim Reclamation Started: _____ Date Interim Reclamation Completed: _____

Land Use: RANGELAND

Comment: _____

1002 SITE PREPARATION AND STABILIZATION

1002a. FENCING _____

Comment _____

Corrective Action _____

Date _____

1002b. SOIL REMOVAL AND _____

Comment _____

Corrective Action _____

Date _____

1002c. PROTECTION OF SOILS _____

Comment _____

Corrective Action _____

Date _____

1002E. SURFACE DISTURBANCE MINIMIZATION _____

Comment _____

Corrective Action _____

Date _____

1003a. Waste and Debris removed? _____

Comment _____

Corrective Action _____

Date _____

Unused or unneeded equipment onsite? _____

Comment _____

Corrective Action _____

Date _____

Pit, cellars, rat holes and other bores closed? _____

Comment _____

Corrective Action _____

Date _____

Guy line anchors marked? _____

Comment _____

Corrective Action _____

Date _____

1003b. Area no longer in use? _____ Production areas stabilized ? _____

1003c. Compacted areas have been cross ripped? _____

1003d. Drilling pit closed? _____ Subsidence over on drill pit? _____

Cuttings management: _____

1003e. Areas no longer needed for drilling or subsequent operations for have been re-vegetated to 80% of pre-existing? _____

Production areas have been stabilized? _____ Segregated soils have been replaced? _____

RESTORATION AND REVEGETATION

Cropland

Top soil replaced _____ Recontoured _____ Perennial forage re-established _____

Non-Cropland

Top soil replaced _____ Recontoured _____ 80% Revegetation _____

1003e. INTERIM VEGETATION TRANSECT

TRANSECT RESULTS OF DISTURBED AREA% 20

TRANSECT RESULTS OF REFERENCE AREA% 37

TOTAL % OF DESIRABLE VEGETATION COVER 54

VEGETATIVE COVER FAIL

1003 f. Weeds Noxious weeds? _____ F

Comment

Recrods show wells SPUD 2010, and production dates of 2011; at least 9 growing seasons have passed.

This location does not meet reclamation requirements; transects were conducted indicating interim areas have not achieved a total perennial, non-invasive uniform plant cover of at least eighty (80) percent of pre-disturbance or reference area levels; Cheatgrass was observed to be the dominant plant species on the Location. Cheatgrass densities on the reference area was observed to be low, to non-existent.

Corrective Action

Comply with Rule 1003.e.(2) and conducct additional reclamation. Comply with Rule 1003.f to mitigate Cheatgrass establishment and spread off Location.

Date 11/15/2020

Overall Interim Reclamation Fail

Final Reclamation/ Abandoned Location:

Date Final Reclamation Started: _____ Date Final Reclamation Completed: _____

Final Land Use: RANGELAND

Reminder: _____

Comment: _____

Well plugged _____ Pit mouse/rat holes, cellars backfilled _____

Debris removed _____ No disturbance /Location never built _____

Access Roads Regraded _____ Contoured _____ Culverts removed _____

Gravel removed _____

Location and associated production facilities reclaimed _____ Locations, facilities, roads, recontoured _____

Compaction alleviation _____ Dust and erosion control _____

Non cropland: Revegetated 80% _____ Cropland: perennial forage _____

Weeds present _____ Subsidence _____

1004.d. FINAL VEGETATION TRANSECT

TRANSECT RESULTS OF DISTURBED AREA% _____

TRANSECT RESULTS OF REFERENCE AREA% _____

TOTAL % OF DESIRABLE VEGETATION COVER _____

VEGETATIVE COVER _____

Comment: Doc. No. 402272393 shows the C16OU Flowline Release appears to be on the southeastern areas of the pad. Future reclamation concerns exist as the extent of spill subsurface is unclear; horizontal delineation does not appear to have been sufficiently conducted. If contaminated soils remain in place subsurface, concerns exist regarding soil movement during final reclamation and the possibility of impacted soils being brought to the surface. These concerns are being forwarded to COGCC Environmental group for review.

Corrective Action:

Date _____

Overall Final Reclamation

Well Release on Active Location

Multi-Well Location

Attached Documents

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

Document Num	Description	URL
402474704	INSPECTION SUBMITTED	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=5231670
696201656	Transect	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=5231665
696201657	Inspection Photos	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=5231666