

**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:

10/09/2023

Submitted Date:

10/11/2023

Document Number:

696205330

**FIELD INSPECTION FORM**Loc ID 335886 Inspector Name: Trujillo, Aaron On-Site Inspection ☐ 2A Doc Num: \_\_\_\_\_**Operator Information:**

OGCC Operator Number: 10456

Name of Operator: CAERUS PICEANCE LLC

Address: 1001 17TH STREET #1600

City: 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 Comments

2 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@caerus oilandgas.com	<a href="#">All Inspections</a>

**Inspected Facilities:**

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status
292231	WELL	AL	01/11/2018	LO	045-14644	BERRY 11-15D	AL
292232	WELL	AL	01/11/2018	LO	045-14643	BERRY 11-16D	AL
292233	WELL	AL	01/11/2018	LO	045-14642	BERRY 11-5D	AL
292234	WELL	AL	01/11/2018	LO	045-14641	BERRY 11-6D	AL
292235	WELL	AL	01/11/2018	LO	045-14640	BERRY 11-4D	AL
292236	WELL	AL	01/11/2018	LO	045-14639	BERRY 11-3D	AL
292237	WELL	AL	01/11/2018	LO	045-14638	BERRY 11-1D	AL
292238	WELL	AL	01/11/2018	LO	045-14637	BERRY 11-2D	AL
335886	LOCATION	AL			-	Berry I11 697	RI
449048	LAND APPLICATION SITE	CL	01/31/2017		-	Berry I 11 697	RI

**General Comment:**

On 10/09/2023, Reclamation Specialist Trujillo conducted a final reclamation and stormwater inspection at Caerus Piceance LLC's Berry I11 697 location in Garfield County, Colorado.

The following compliance issues were observed during this inspection:

- Stormwater
- Undesirable Plant Species

Refer to the "Location" and "Reclamation" sections of this inspection report for additional details.

Refer to the photo-documentation of the observed compliance issues attached to this report.

Any corrective action(s) from previous inspections that have not been addressed are still applicable; The "Date of Discovery" is being provided as the corrective action date for all new observed compliance issues. Location will remain out of compliance until corrective action(s) has(have) been resolved and a follow up inspection will be conducted to ensure the compliance issues have been corrected to comply with ECMC rules.



Inspected Facilities				
Facility ID: <u>292231</u>	Type: <u>WELL</u>	API Number: <u>045-14644</u>	Status: <u>AL</u>	Insp. Status: <u>AL</u>
Facility ID: <u>292232</u>	Type: <u>WELL</u>	API Number: <u>045-14643</u>	Status: <u>AL</u>	Insp. Status: <u>AL</u>
Facility ID: <u>292233</u>	Type: <u>WELL</u>	API Number: <u>045-14642</u>	Status: <u>AL</u>	Insp. Status: <u>AL</u>
Facility ID: <u>292234</u>	Type: <u>WELL</u>	API Number: <u>045-14641</u>	Status: <u>AL</u>	Insp. Status: <u>AL</u>
Facility ID: <u>292235</u>	Type: <u>WELL</u>	API Number: <u>045-14640</u>	Status: <u>AL</u>	Insp. Status: <u>AL</u>
Facility ID: <u>292236</u>	Type: <u>WELL</u>	API Number: <u>045-14639</u>	Status: <u>AL</u>	Insp. Status: <u>AL</u>
Facility ID: <u>292237</u>	Type: <u>WELL</u>	API Number: <u>045-14638</u>	Status: <u>AL</u>	Insp. Status: <u>AL</u>
Facility ID: <u>292238</u>	Type: <u>WELL</u>	API Number: <u>045-14637</u>	Status: <u>AL</u>	Insp. Status: <u>AL</u>
Facility ID: <u>335886</u>	Type: <u>LOCATION</u>	API Number: <u>-</u>	Status: <u>AL</u>	Insp. Status: <u>RI</u>
Facility ID: <u>449048</u>	Type: <u>LAND</u>	API Number: <u>-</u>	Status: <u>CL</u>	Insp. Status: <u>RI</u>

**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 SEGREGATION \_\_\_\_\_

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% \_\_\_\_\_

TRANSECT RESULTS OF REFERENCE AREA% \_\_\_\_\_

TOTAL % OF DESIRABLE VEGETATION COVER \_\_\_\_\_

VEGETATIVE COVER \_\_\_\_\_

1003 f. Weeds Noxious weeds? \_\_\_\_\_

Comment \_\_\_\_\_

Corrective Action \_\_\_\_\_ Date \_\_\_\_\_

Overall Interim Reclamation

**Final Reclamation/ Abandoned Location:**

Date Final Reclamation Started: \_\_\_\_\_ Date Final Reclamation Completed: \_\_\_\_\_

Final Land Use: RANGELAND \_\_\_\_\_

Reminder: \_\_\_\_\_

Comment: \_\_\_\_\_

Well plugged Pass Pit mouse/rat holes, cellars backfilled \_\_\_\_\_

Debris removed Pass No disturbance /Location never built \_\_\_\_\_

Access Roads Regraded Pass Contoured Pass Culverts removed \_\_\_\_\_

Gravel removed Pass

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

Compaction alleviation \_\_\_\_\_ Dust and erosion control \_\_\_\_\_

Non cropland: Revegetated 80% In Cropland: perennial forage \_\_\_\_\_

Weeds present Fail Subsidence \_\_\_\_\_

## 1004.d. FINAL VEGETATION TRANSECT

TRANSECT RESULTS OF DISTURBED AREA% \_\_\_\_\_

TRANSECT RESULTS OF REFERENCE AREA% \_\_\_\_\_

TOTAL % OF DESIRABLE VEGETATION COVER \_\_\_\_\_

VEGETATIVE COVER \_\_\_\_\_

Comment:

Form 4 #403148350 indicated Final Reclamation commenced ~8/2022. It was observed in this inspection that Final Reclamation activities, including recontouring, regrading and revegetation activities had been performed. Topsoil has been spread over the majority of the Location, though there are areas along the edge of the reclaim, and access road, where topsoil is sparse; additional amendments or importation of topsoil may be required if vegetative establishment within these areas do not progress towards 1004 standards.

Overall status of the reclamation is "in process".

Noxious weed establishment (Musk thistle, Houndstongue) was observed established throughout the Location, including the former access road.

Corrective Action:

Comply with Rules 1004.e and 606.c. Ongoing weed monitoring/management required until site receives a passing final reclamation inspection.

Date **10/09/2023**

Overall Final Reclamation

In Process

Well Release on Active Location ☐Multi-Well Location ☐**Storm Water:**

Loc Erosion BMPs	BMP Maintenance	Lease Road Erosion BMPs	Lease BMP Maintenance	Chemical BMPs	Chemical BMP Maintenance	Comment
Waddles						Southern perimeter, downslope of reclaim.
Retention Ponds						Shallow swale on southern end
Mulching						Blown straw

Comment: [See "COGCC Comments".](#)

Corrective Action:

Comply with Rule 1002.f- install and/or repair stormwater and erosion control measures in accordance with good engineering practices.

Date: **10/09/2023**

**Pits:** ☐ NO SURFACE INDICATION OF PIT

**COGCC Comments**

Comment	User	Date
<p><b>STORMWATER COMMENT</b></p> <p>Control measures observed include erosion logs (straw wattles) implemented along the southern perimeter; at the toe of the reclamation areas. A shallow swale has been constructed along the central-southern areas during contouring efforts, to capture stormwater runoff from the Location. Runoff traveling beyond these BMPs will be captured by the stormwater diversion ditch and sediment trap along the access road.</p> <p>Seeding efforts are apparent and vegetative germination/growth was observed.</p> <p>Operator has blown straw mulch over the reclamation area, however mulch was not anchored mechanically (such as crimping) or appears to have been applied with a tackifier per good engineering practices; if tackifier had been applied, it has degraded and is no longer in proper functioning condition. Mulch along upslope areas of the reclamation was noted to be thin and not uniform; mulch is beginning to accumulate within downslope areas of the reclamation; thick layers of mulch can hinder plant germination and reclamation.</p> <p>Form 4 #403148350 states temporary perimeter control measures will be implemented; stormwater and erosion control measures to manage run-on along the upslope / northern perimeter of the Location/road were not observed; perimeter controls only appear to have been implemented along the downslope/southern perimeter of the Location.</p> <p>Other controls in conjunction with mulch to manage sheet-flows, stormwater velocity, etc... were not apparent.</p> <p>Erosion degradation due to stormwater run-on along the northern areas of the Location and access road is apparent.</p> <p>BMPs in place are inadequate per good engineering practices to manage stormwater runoff (including run-on) in a manner that minimizes erosion, degradation and sediment transport.</p>	trujilloam	10/11/2023

**Attached Documents**

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

Document Num	Description	URL
696205331	Inspection Photos	<a href="http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=6281613">http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=6281613</a>