

**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	All Inspections

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:

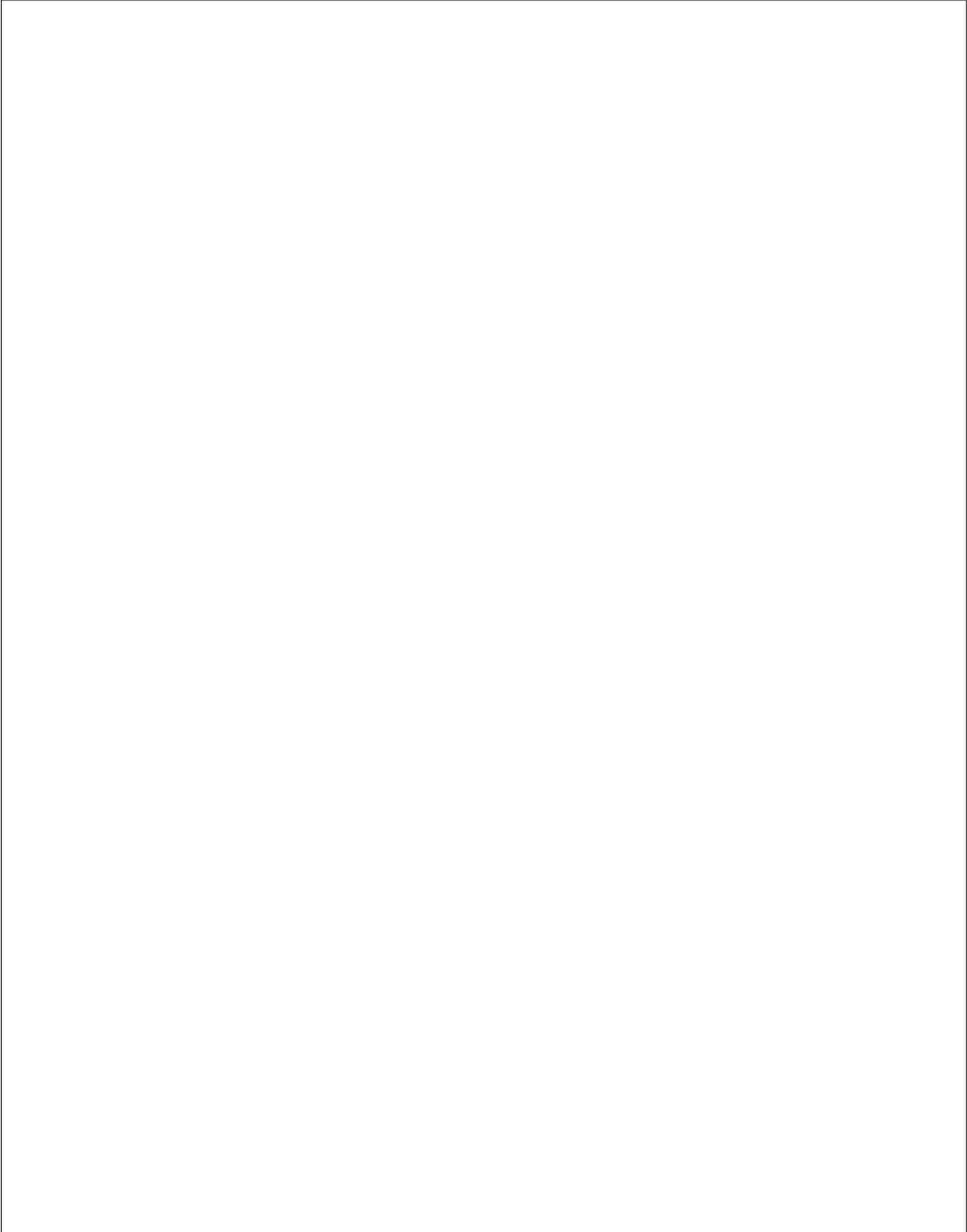
On 10/09/2023, Reclamation Specialist Trujillo conducted a final reclamation and stormwater inspection at Caerus Piceance LLC's Berry 111 697 location in Garfield County, Colorado.

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
Mulching						Blown straw
Retention Ponds						Shallow swale on southern end
Waddles						Southern perimeter, downslope of reclaim.

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>STORMWATER COMMENT</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
403558024	INSPECTION SUBMITTED	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=6281630
696205331	Inspection Photos	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=6281613