

State of Colorado
Energy & Carbon Management Commission



1120 Lincoln Street, Suite 801, Denver, Colorado 80203
Phone: (303) 894-2100 Fax: (303) 894-2109

Document Number:
403505279

Date Received:
08/22/2023

FIR RESOLUTION FORM

Overall Status:

CA Summary:

1 of 2 CAs from the FIR responded to on this Form

1 CA Completed
0 Factual Review Request

OPERATOR INFORMATION

OGCC Operator Number: 10456

Name of Operator: CAERUS PICEANCE LLC

Address: 1001 17TH STREET #1600

City: DENVER State: CO Zip: 80202

Contact Name and Telephone:

Name: _____

Phone: () Fax: ()

Email: _____

Additional Operator Contact:

Contact Name

Romana Cowden

Phone

720-951-5895

Email

COGCC.inspections@caerusoilandgas.com

COGCC INSPECTION SUMMARY:

FIR Document Number: 696205124

Inspection Date: 07/31/2023

FIR Submit Date: 08/01/2023

FIR Status: _____

Inspected Operator Information:

Company Name: CAERUS PICEANCE LLC

Company Number: 10456

Address: 1001 17TH STREET #1600

City: DENVER State: CO Zip: 80202

LOCATION - Location ID: 323925

Location Name: KRK-67S92W Number: 7SWNE County: _____

Qtrqtr: SWNE Sec: 7 Twp: 7S Range: 92W Meridian: 6

Latitude: 39.462840 Longitude: -107.707970

FACILITY - API Number: 05-045-00 Facility ID: 323925

Facility Name: KRK-67S92W Number: 7SWNE

Qtrqtr: SWNE Sec: 7 Twp: 7S Range: 92W Meridian: 6

Latitude: 39.462840 Longitude: -107.707970

CORRECTIVE ACTIONS:

1 CA# 176911

Corrective Action: Comply with 1004 rules; conduct compaction alleviation (cross-ripping) to a minimum depth of 18 inches in accordance with Rule 1003.c on the entire access road and Location. Operator shall document reclamation and compaction alleviation activities performed, and upon completion, Operator shall submit date-stamped photo documentation of the reclamation and compaction alleviation work attached to a Field Inspection Resolution Form.

Date: 07/31/2023

Response: CA COMPLETED

Date of Completion: 08/08/2023

Operator Comment: Initial earthwork operations were completed in June. Subsoils throughout the well pad were ripped to 18 inches, per Caerus standard operating procedures. The well pad recontouring was completed with a motor grader, which cannot uniformly move soils unless they are ripped first. During soil ripping of the access road native boulders

were encountered, hindering ripping and pulling the rocks near or to the surface. To prevent pulling boulders to the surface, shanks were set at 12 inches and decompaction was completed. Linear disturbances cannot be cross-ripped without expanding the disturbance or trampling established vegetation outside the earthwork boundaries. Therefor Caerus completes multiple passes down linear disturbances to ensure soils are properly decompacted. If resistance is low, equipment rips in a serpentine pattern. If soils are rocky, this becomes much more difficult and can result in equipment damage, such as broken shanks. Following ripping and recontouring, available topsoil was redistributed and initial earthwork was completed in late June. See 6/28 photo in attached photo log. Fence installation was completed in July when soil moisture was increased following a rainstorm. Driving on the reclaim area did result in surface compaction along the road and southern reclaim. The road and southern reclaim area was re-ripped on August 8th. The northern pad area, where fencing traffic did not impact earthwork, was not re-ripped. These areas were not compacted beyond what is typical of the clayey soils in months with a fluctuating moisture regime. A 14-inch soil trowel was capable of being fully plunged on August 8th. In preparation for seeding operations, the disturbance is disked to break up any surface compaction, aerate soils, and create a preferable seed bed for drill seeding. During seeding, soil amendments, such as humates and Lot 125, are applied to rebuild topsoil and mitigate natural surface compaction in the clayey soils. In addition, straw mulch is crimped to increase stormwater infiltration and further mitigating soil compaction until perennial grasses are established. The establishment of vegetation with healthy root systems prevents natural surface compaction long-term. Due to the high clay content of soils, surface compaction may be noted in the future following precipitation, but Caerus believes the work completed will result in the rebuilding of topsoil and successful reclamation.

COGCC Decision: _____

COGCC
Representative:

OPERATOR COMMENT AND SUBMITTAL

Comment:

I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct, and complete.

Print Name: Romana Cowden

Signed:

Title: EHS

Date: 8/22/2023 12:02:54 PM

ATTACHMENT LIST

View Attachments in Imaged Documents on COGCC website (<http://ogccweblink.state.co.us/>) - Search by Document Number.

<u>Document Number</u>	<u>Description</u>
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403505284	Photo Log
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Total Attach: 1 Files