

**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:

06/19/2018

Submitted Date:

06/20/2018

Document Number:

682503518**FIELD INSPECTION FORM**
 Loc ID 439341 Inspector Name: Trujillo, Aaron On-Site Inspection ☐ 2A Doc Num:                     
**Operator Information:**OGCC Operator Number: 10414Name of Operator: CASCADE PETROLEUM LLCAddress: P O BOX 3316City: DENVER State: CO Zip: 80155**Status Summary:**

- ☒ THIS IS A FOLLOW UP INSPECTION
- ☒ FOLLOW UP INSPECTION REQUIRED
- ☐ NO FOLLOW UP INSPECTION REQUIRED

**Findings:**7 Number of Comments2 Number of Corrective Actions☒ Corrective Action Response Requested**Contact Information:**

Contact Name	Phone	Email	Comment
		jason.craig@denhamcapital.com	
		skuntz@cascadepetroleum.com	
		dnr_cogccenforcement@state.co.us	

**Inspected Facilities:**

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status
439342	WELL	PA	06/09/2015	OW	073-06669	GAEDE A9S-55W-05-85	RI

**General Comment:**

This is a follow-up, final reclamation and stormwater inspection to doc. #682502556 and #401456968. Any corrective actions from previous inspections that have not been addressed are still applicable.



**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 \_\_\_\_\_ Pit mouse/rat holes, cellars backfilled \_\_\_\_\_

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

Access Roads \_\_\_\_\_ Regraded **Fail** Contoured **Fail** Culverts removed \_\_\_\_\_

Gravel removed **Fail**

Location and associated production facilities reclaimed \_\_\_\_\_ Locations, facilities, roads, recontoured \_\_\_\_\_

Compaction alleviation **Fail** 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:

Corrective Action: \_\_\_\_\_ Date **11/15/2017**

Perform reclamation in accordance to COGCC 1000 series requirements on access road including, but not limited to, removing gravel, compaction alleviation, recontour/grade and establish vegetation with total perennial, non-invasive uniform plant cover of at least eighty (80) percent of pre-disturbance or reference area levels. Use a seed mixture requested by the surface owner, or a mixture prescribed by the local county NRCS. Ensure erosion controls are implemented to stabilize the seeded soil, and continue to monitor and manage this site until Final Reclamation has passed. Revegetation activities shall be complete no later than 11/15/2017

Overall Final Reclamation

Fail

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
Wattles	Fail	Gravel	Fail			Straw Wattles

Comment: [SEE "COGCC COMMENTS" FOR COMMENTS REGARDING STORMWATER](#)

Corrective Action: Repair erosion and stabilize location. Install or repair required BMPs in accordance to good engineering practices per rule 1002.f, and maintain BMPs until final reclamation has passed.

Date: 10/19/2017

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

Comment	User	Date
<p><b>STORMWATER COMMENTS</b></p> <p>Inspection #682502556 dated 9/13/2017, #682502781 dated 11/09/2017 and #682503104 dated 1/29/2018 required operator to Repair erosion and stabilize location. Install or repair required BMPs in accordance to good engineering practices per rule 1002.f by 10/19/2017.</p> <p>Operator submitted FIRR #401651836 on 5/24/2018. Resolution states that "Erosion controls have been re-vamped" with date of completion 4/16/2018. It is noted that this is six (6) months after the required corrective action dated.</p> <p>Straw wattles have been placed on location and it appears that work was conducted on the slopes to repair erosion concerns. However, wattles have not been properly installed in accordance to good engineering practices per the corrective actions; straw wattle are a temporary control that must be entrenched and backfilled to be in proper functioning condition. Wattles been placed directly upon the surface of the soil and have not been entrenched and backfilled. Operator has been notified of these installation requirements in previous inspections. As a result, stormwater erosion and degradation has continued on the location, and is cutting beneath the new wattles.</p> <p>In addition, stormwater erosion degradation is now occurring at location entrance and the access road.</p> <p>See attached photos.</p> <p>Original corrective action and corrective action date remains applicable. Stormwater management and monitoring needs to occur on an ongoing basis until final reclamation has passed.</p>	trujilloam	06/20/2018

<b>RECLAMATION COMMENTS</b>  Inspection #682502556 dated 9/13/2017, #682502781 dated 11/09/2017 and #682503104 dated 1/29/2018 documented that the access road, including areas on the west end of the fenced location, leading north, has not been reclaimed in accordance to COGCC 1000 series reclamation standards and requirements. These inspections required operator to perform reclamation in accordance to 1004.a including, but not limited to, removing gravel, compaction alleviation, recontour/regrade and revegetation activities by 11/15/2017.  On 11/15/2017, operator submitted Form 4 #401459468. Operator has indicated that a 502.b variance will be submitted for the access road.  On 05/24/2018, operator submitted FIRR #401651836 stating "Corrective Action Complete", that gravel has been removed from well pad. Operator states "Gravel will stay on the access road. The surface owner wants to keep the access road, but is not ready to sign a reclamation variance". FIRR was not approved. Note, three years have passed since plugging date (6/9/2015), no 502.b variance request has been submitted by the operator; Access road remains subject to COGCC 1000 series reclamation requirements.  This location does not meet reclamation requirements. Gravel has not been removed from the west end of the fenced location (well pad) where the access road existed as indicated by the FIRR. No reclamation work, including but not limited to removing gravel, compaction alleviation, recontour/regrade and revegetation activities, has been conducted on access road. Original corrective action and corrective action date remains applicable.	trujilloam	06/20/2018
This location is being referred to enforcement.	trujilloam	06/20/2018

**Attached Documents**

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

Document Num	Description	URL
401680915	INSPECTION SUBMITTED	<a href="http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4500605">http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4500605</a>
401682318	Inspection Photos	<a href="http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4501867">http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4501867</a>