

**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:

01/29/2018

Submitted Date:

01/30/2018

Document Number:

682503104**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	
Craig, Jason	(303) 407-6500	legalnotices@cascadepetroleum.com	

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 REVEGETATIONCropland

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 _____ 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/regrade 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
Waddles	Fail					Straw Wattle Ponding BMP
Waddles	Fail					Hay Bale Ponding BMP

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>RECLAMATION COMMENT</p> <p>Though additional work/seeding will likely be required, inspection #401407556 documented the reclamation of the well and location as "in-process". However, it was also documented that the access road (including areas on the west end of the location, leading north) has not been reclaimed in accordance to COGCC 1000 series reclamation standards and requirements. This inspection 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. Operator has indicated that a 502.b variance will be submitted for the access road, however, approximately two and a half years have passed since plugging date (6/9/2015), no 502.b variance request has been submitted by the operator or approved.</p> <p>Access road remains subject to COGCC 1000 series reclamation requirements; No reclamation activities have been conducted. Gravel needs to be removed and road reclaimed. Original corrective action and date remains applicable.</p>	trujilloam	01/30/2018

STORMWATER COMMENT

trujilloam

01/30/2018

Inspection #682502556 dated 09/13/2017 documented that stormwater erosion was degrading areas on the southwest end of the location, that straw wattle and bale BMPs are no longer in proper functioning condition as stormwater has cut under the wattle. Inspection required operator to repair erosion and stabilize location, install or repair required BMPs per rule 1002.f by 10/19/2017, and maintain BMPs until final reclamation has passed.

Inspection #682502781 dated 11/09/2017 documented that BMPs have not been repaired or maintained, and erosion has not been repaired and stabilized. Inspection required operator to repair erosion and stabilize location, install or repair required BMPs and maintain per rule 1002.f with the original corrective action date of 10/19/2017 remaining applicable.

Operator submitted sundry doc. #401459468 on 11/15/2017 stating that "Operator will repair BMPs per the COGCC Doc #682502556..."

Corrective action has not been addressed; erosion degradation has not been repaired and stabilized, and additional degradation has occurred since prior inspections. Required stormwater and sediment control BMPs have not been maintained or replaced, and remain in disrepair. Note: hay-bale, and straw wattle ponding BMPs do not appear to have been installed in accordance to good engineering practices; bale and straw wattle BMPs need to be trenched, and backfilled on the up-gradient side and compact to prevent undermining to be in proper functioning condition.

See attached photos. Original corrective action and corrective action date remains applicable.

Attached Documents

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

Document Num	Description	URL
401530408	INSPECTION SUBMITTED	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4364792
682503105	Inspection Photos	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4364789