

**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:

08/16/2019

Submitted Date:

08/19/2019

Document Number:

696200606**FIELD INSPECTION FORM**
 Loc ID 452871 Inspector Name: Trujillo, Aaron On-Site Inspection ☐ 2A Doc Num:
Operator Information:OGCC Operator Number: 10661Name of Operator: BISON OIL & GAS II LLCAddress: 518 17TH STREET #1800City: DENVER State: CO Zip: 80202**Status Summary:**

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

Findings:11 Number of Comments5 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
		aakers@bisonog.com	
Arthur, Denise		denise.arthur@state.co.us	

Inspected Facilities:

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status
452871	LOCATION	AC			-	Castor 8-59 19	RI

General Comment:

On 8/16/2019, Reclamation Specialist Trujillo conducted a stormwater inspection inspection at Bison Oil and Gas' Castor 8-59 location in Weld County, Colorado.

This inspection is a follow-up stormwater inspection to #682504582 dated 3/8/2019, #682504817 dated 4/26/2019 and #696200364 dated 7/8/2019.

This inspection is to document compliance for the following corrective actions:
1002.f: Stormwater Management.

Operator submitted resolution form ##402138298 on 8/8/2019 stating corrective actions from previous inspections have been addressed.

During this inspection, it was observed that:

- 1) Sufficient stormwater monitoring and management have not been conducted on the location.
- 2) Trash debris observed on the south end of the location.

Refer to the stormwater section 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.

A follow up on this site inspection will be conducted to ensure the compliance issues have been corrected to comply with COGCC rules.

LocationOverall Good: ☐

Emergency Contact Number:

Comment: Corrective Action: Date: **Good Housekeeping:**

Type TRASH

Comment: Trash debris observed on the southwest corner of the location. See photo 9.

Corrective Action: Comply with 603.f

Date: 08/26/2019

Overall Good: ☐**Spills:**

Type Area Volume

In Containment: No

Comment: ☐ Multiple Spills and Releases?**Venting:**

Yes/No

Comment: Corrective Action: Date: **Flaring:**

Type

Comment: Corrective Action: Date: **Location Construction**

Location ID: 452871

CDP: Comment: Corrective Action: Date: **Form 2A COAs:**Comment: Corrective Action: Date: **Wildlife BMPs:**Comment: Corrective Action: Date: **Stormwater:**

Erosion BMPs

Present

Other BMPs

Present

DITCHES

Comments: Erosion BMPs: Stormwater erosion degradation from slopes on the southern and eastern ends of the location have resulted in sediment deposition within the stormwater diversion ditches. Ditches are no longer in proper functioning condition.

Other BMPs:

Corrective Action: Install/Repair Stormwater and erosion control BMPs in accordance with 1002.f. Ensure BMPs are installed in accordance with good engineering practice and maintained in proper functioning condition.

Date: _____

No

No

Comments: Erosion BMPs: Previous inspections documented that BMPs on the southern and eastern slopes of location are missing, or insufficient, and required Operator to repair erosion degradation, install/repair stormwater and erosion control BMPs, and to conduct ongoing stormwater monitoring and management per 1002.f

(Continued in comment box below)

Other BMPs: Operator has failed to conduct sufficient stormwater management in accordance with 1002.f and per corrective actions. Erosion degradation has been allowed to recur on the slopes. BMPs remain insufficient, and not maintained in proper functioning condition.

Corrective Action: Install/Repair Stormwater and erosion control BMPs in accordance with 1002.f. Ensure BMPs are installed in accordance with good engineering practice and maintained in proper functioning condition.

Date: _____

RETENTION PONDS

Comments: Erosion BMPs: Sediment traps on the northwest and northeast ends of the location are insufficient, and have not been constructed in accordance with good engineering practices; BMPs have not been constructed to an appropriate size for the site's conditions, or with sufficient inlet/outlet and slope protection. As a result, stormwater runoff has degraded the traps; BMPs are not in proper functioning condition. Large gulley erosion on slopes and sediment transport off location is evident. See photos 11-22.

Other BMPs: Wattles were installed at the inlet/outlet of the sediment traps. Wattles are a stormwater ponding BMP and alone are insufficient for inlet/outlet protection, or as a sediment stabilization BMP. Inlets/outlets insufficiently armored and are missing protections including, but not limited to, geotextile lining and rip-rap of appropriate sizes.

Corrective Action: Install/Repair Stormwater and erosion control BMPs in accordance with 1002.f. Ensure BMPs are installed in accordance with good engineering practice and maintained in proper functioning condition.

Date: _____

WADDLES

Comments: Erosion BMPs: Operator has selected/placed straw wattles within the ditch of the location. Wattles appear to have been placed as a "Velocity Check". Straw wattles have not been installed in accordance with good engineering practices. Wattles are required to be trenched and back-filled in order to be in proper functioning condition. Insufficient trenching/backfilling will result in degradation to the ditch due to stormwater cutting and passing beneath the wattle.

Other BMPs: See photos 12, 13, 15 and 20 for examples of resulting issues when wattles are not properly trenched/backfilled. Additionally wattles were installed at the inlet/outlet of the sediment traps. Wattles are a stormwater ponding BMP and alone are insufficient for inlet/outlet protection, or as a sediment stabilization BMP

Corrective Action: Install/Repair Stormwater and erosion control BMPs in accordance with 1002.f. Ensure BMPs are installed in accordance with good engineering practice and maintained in proper functioning condition.

Date: _____

Comment:

Operator has failed to conduct sufficient and ongoing stormwater monitoring and management on the location. See comments above. This is the 4th inspection documenting stormwater concerns on the location; due to ongoing compliance issues location is being referred for enforcement.

**Corrective
Action:**

Date:

On Site Inspection (305):

Surface Owner Contact Information:

Name: _____ Address: _____
Phone Number: _____ Cell Phone: _____

Operator Rep. Contact Information:

Landman Name: _____ Phone Number: _____
Date Onsite Request Received: _____ Date of Rule 306 Consultation: _____

Request LGD Attendance: _____

LGD Contact Information:

Name: _____ Phone Number: _____ Agreed to Attend: _____

Summary of Landowner Issues:

Summary of Operator Response to Landowner Issues:

Onsite Inspection Memorandum Summarizing Discussions at Inspection as Attachment:

Reclamation - Storm Water - Pit**Storm Water:**

Loc Erosion BMPs	BMP Maintenance	Lease Road Erosion BMPs	Lease BMP Maintenance	Chemical BMPs	Chemical BMP Maintenance	Comment
Sediment Traps	Fail					Traps @ NE and NW corners of pad.
Ditches	Fail					Eastern/southern perimeter
	Fail					Stabilization controls on slopes.
Waddles	Fail					Velocity checks. Not trenched/backfilled.

Comment:

Corrective Action:

Date: _____

Pits: ☐ NO SURFACE INDICATION OF PIT**Attached Documents**You can go to COGCC Images (<https://cogcc.state.co.us/weblink/>) and search by document number:

Document Num	Description	URL
696200607	Inspection Photos	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4913708