

**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:

08/08/2019

Submitted Date:

08/09/2019

Document Number:

696200568**FIELD INSPECTION FORM**Loc ID: 455519 Inspector Name: Trujillo, Aaron On-Site Inspection ☐ 2A Doc Num: _____**Operator Information:**

OGCC Operator Number: 10661

Name of Operator: BISON OIL & GAS II LLC

Address: 518 17TH STREET #1800

City: DENVER State: CO Zip: 80202

Status Summary:

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

Findings:

10 Number of Comments

4 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
		asolis@bisonog.com	
		aakers@bisonog.com	
		awenk@bisonog.com	

General Comment:

On 8/8/2019, Reclamation Specialist Trujillo conducted a follow-up, pre-drill stormwater and construction inspection at Bison Oil and Gas' Boomslang Fed 8-16 14B location (#455519) in Weld County, Colorado. During this inspection the following possible compliance issues were observed:

1002.f: Insufficient Stormwater and erosion control BMPs.

It was documented that the stormwater erosion control BMPs observed on the slopes and perimeter of the location have not been installed in accordance with good engineering practices.

Refer to the "Construction 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.

Location Construction

Location ID: 455519 CDP: _____

Comment: _____

Corrective Action: _____

Date: _____

Form 2A COAs:

Comment: It is noted that 2A doc. #401389412 states noxious weeds present on location prior to O&G disturbance.

Canada thistle was observed within a drainage north of the location. However, no noxious weeds were observed outside of drainage, or documented within the permitted disturbance area prior to pad construction and O&G activities. Vegetation prior to O&G predominantly an intact smooth brome monoculture.

Corrective Action:

Date:

Wildlife BMPs:**Comment:**

Corrective Action:

Date:

Stormwater:

Erosion BMPs	Present	Other BMPs	Present
	No		No`

Comments: Erosion BMPs: **Insufficient armoring/stormwater protection at culverts along access road. See photos 10 and 12**

Other BMPs:

Corrective Action: **Install or repair required BMPs per Rule 1002.f, and in accordance with good engineering practices.**

Date: **08/09/2019**

DITCHES	Yes		
---------	-----	--	--

Comments: Erosion BMPs: **Operator has installed a stormwater diversion ditch/berm along the perimeter of the pad, the perimeter of the location and at the base of the soil stockpiles. Ditch/berm have not been installed in accordance with good engineering practices; Ditch/berm remain loose, unconsolidated material with will contribute to sediment laden stormwater discharge.**

Other BMPs:

Corrective Action: **Install or repair required BMPs per Rule 1002.f, and in accordance with good engineering practices.**

Date: **08/09/2019**

		Material Handling And Spill Prevention	Yes`
--	--	--	------

Comments: Erosion BMPs: **Porta-johns on the north end of the location appear to be properly staked and secured to prevent tipping over/spilling.**

Other BMPs:

Corrective Action:

Date:

RETENTION PONDS	Yes		
-----------------	-----	--	--

Comments: Erosion BMPs: **Operator has installed three (3) sediment traps on the north east, and eastern end of the the location. Traps appear to be sufficient in size, however, sediment traps have not been constructed in accordance with good engineering practices; slopes at traps remain improperly tracked. BMPs missing sufficient inlet/outlet armoring/protection. Rock aggregate used for outlet protection appears too large in size to slow (continued in comment box below)**

Other BMPs:

stormwater discharge, trap sediment and sufficiently stabilize outlet. Additionally, the outlet at the southeastern trap has been filled with material that forces outlet to work as a dam rather than allowing for sediment laden free stormwater discharge

Corrective Action: **Install or repair required BMPs per Rule 1002.f, and in accordance with good engineering practices.**

Date: **08/09/2019**

SLOPE ROUGHENING

Yes

Comments: Erosion BMPs:

Operator has installed tracking BMPs to stabilize the slopes on the location. BMP has not been installed in accordance with good engineering practices. Tracking has been installed along the contour of the slope, rather than up and down the slopes. This has resulted in erosion degradation on the slopes of the location, and will facilitate additional future erosion degradation. See photo 5 in the attached photo document.

Other BMPs:

Corrective Action: Install or repair required BMPs per Rule 1002.f, and in accordance with good engineering practices.

Date: 08/09/2019

Comment:

A corrective action date of 8/9/2019 is being provided due to an inclement weather forecast for the near future

and

due to the requirement that stormwater and erosion control BMPs are installed in accordance with good engineering practices, and maintained in proper functioning condition at all times, in accordance with 1002.f.

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**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

Pass

Comment _____

Soil salvage and segregation appears to have been conducted in accordance with 1002.b

Corrective Action _____

Date _____

1002c. PROTECTION OF SOILS _____ Fail

Comment _____

Stormwater and erosion control BMPs insufficient along soil stockpiles. See the "Construction Stormwater" section of this FIR above.

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 _____ Contoured _____ Culverts removed _____

Gravel removed _____

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 _____

Overall Final Reclamation _____ Well Release on Active Location ☐ Multi-Well Location ☐

Attached Documents

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

Document Num	Description	URL
696200569	Inspection Photos	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4905452