

**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: _____

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

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

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
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

	No		No
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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		
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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

SLOPE ROUGHENING	Yes		
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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

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:

Comment: A corrective action date 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 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 _____ 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
402140212	INSPECTION SUBMITTED	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4905454
696200569	Inspection Photos	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4905452