

**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:

696200566

FIELD INSPECTION FORM

Loc ID: 454591 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

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

Findings:

- 9 Number of Comments
- 1 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	
		awenk@bisonog.com	
		aakers@bisonog.com	

General Comment:

This is a follow-up pre-drill stormwater and construction inspection to inspection #696200520

This inspection is to document compliance for the following corrective actions:
1002.f: Install or repair required BMPs in accordance with good engineering practices.

Any corrective action(s) from previous inspections that have not been addressed are still applicable.

Location Construction

Location ID: 454591 CDP: _____

Comment: _____

Corrective Action: _____

Date: _____

Form 2A COAs:

Comment: It is noted that 2A doc. #401389494 states noxious weeds present on location prior to O&G disturbance.

No noxious weeds were observed 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
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RETENTION PONDS	Yes		
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Comments: Erosion BMPs: Three sediment traps on the south end of the location have not been constructed in accordance with good engineering practices; traps do not appear to be sufficient in size to manage runoff from the 10+ acre pad, berms/slopes at traps remain unconsolidated. BMPs missing sufficient inlet/outlet armoring/protection. Rock aggregate used for outlet protection appears too large in size to slow stormwater discharge, trap sediment and sufficiently stabilize outlet.

Other BMPs: Operator on location at time of inspection provided inspector with a map showing details regarding the dimensions of sediment traps to be constructed.

Constructed BMPs appear much smaller in size that what was observed on the construction map.

Corrective Action: _____ Date: _____

		Vehicle Tracking	No
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Comments: Erosion BMPs: Vehicle tracking/stabilization BMPs remain missing/insufficient from access road to mitigate sediment transport from the disturbance areas (location/access road)

Other BMPs: No BMPs have been installed to prevent ponding and allow for water movement under access road on section of access road constructed across a drainage

Corrective Action: _____ Date: _____

SLOPE ROUGHENING	No		
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Comments: Erosion BMPs: Inspection doc. #696200520 documented that operator installed surface roughening (ripping) as a stormwater control along the perimeter of the location. Operator has since removed surface roughening and replaced it with a ditch/berm.

Other BMPs: _____

Corrective Action: _____ Date: _____

DITCHES	Yes		
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Comments: Erosion BMPs: Operator has installed a stormwater diversion ditch/berm along the perimeter of the location. Ditch/berm have not been installed in accordance with good engineering practices; Ditch/berm remains loose, unconsolidated material that will contribute to sediment laden stormwater discharge. Ditch appears to have been cut with a single pass of a blade, and has been left with a steep grade on one side that can result in stormwater incision within the ditch.

Other BMPs: _____

Corrective Action: _____ Date: _____

Comment: See comments above regarding stormwater and erosion control BMPs. Corrective actions have not been addressed in their entirety. Original corrective action and date remains applicable.

Corrective Action: Install or repair required BMPs per Rule 1002.f, and in accordance with good engineering practices. **Date:** 08/05/2019

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 has been completed at time of inspection, and appears to have been conducted in accordance with 1002.b. Topsoil stockpile located on the western and southern perimeters of the location.](#)

Corrective Action _____

Date _____

1002c. PROTECTION OF SOILS In Process

Comment [Soil salvage and segregation has been completed at time of inspection. Soil stockpiles missing, and require stormwater and erosion stabilization BMPs in accordance with 1002.c](#)

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
696200566	INSPECTION APPROVED	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4905458
696200567	Inspection Photos	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4905451