

**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:

01/25/2019

Submitted Date:

01/25/2019

Document Number:

682504449

FIELD INSPECTION FORM

Loc ID: 453517 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: 10670
Name of Operator: MALLARD EXPLORATION LLC
Address: 1400 16TH STREET SUITE 300
City: DENVER State: CO Zip: 80202

Findings:

- 11 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
		emathews@mallardexploratio n.com	
		ddyk@mallardexploration.com	

General Comment:

This is a pre-drill, construction and stormwater inspection. Any corrective action(s) from previous inspections that have not been addressed are still applicable.

Location Construction

Location ID: 453517 CDP: _____

Comment: A disturbance area of 13.5 acres was mapped on 1/25/19 using a Trimble Juno 3B handheld device; this appears to be in compliance with the approved Form 2A for the permitted disturbance area.

Corrective Action: _____ Date: _____

Form 2A COAs:

Comment: _____

Corrective Action: _____ Date: _____

Wildlife BMPs:

Comment: _____

Corrective Action: _____ Date: _____

Stormwater:

Erosion BMPs	Present	Other BMPs	Present
	Yes		

Comments: Erosion BMPs: Operator appears to have installed a stormwater and sediment pond on the southeast corner of the pad.

Other BMPs: _____

Corrective Action: _____ Date: _____

	No		No`
Comments: Erosion BMPs:	Operator appears to have installed a stormwater ditch and berm BMP along the perimeter of the disturbance area. Ditch/Berm BMP is shallow with unconsolidated material. Ditch/Berm BMP does not appear to be sufficient, or have been constructed in accordance with good engineering practices. See photos 2-10 in the attached photo document.		
Other BMPs:			
Corrective Action:	Install required stormwater and erosion control BMPs in accordance with Rule 1002.f and good engineering practices.		Date: 02/01/2019
	No		No`
Comments: Erosion BMPs:	Operator does not appear to have installed sufficient stormwater and erosion control BMPs along the topsoil stockpile on the west end of the location.		
Other BMPs:	The slopes of the topsoil stockpile on the west end of the location have not been stabilized and remains loose material. See photo 27		
Corrective Action:	Install required stormwater and erosion control BMPs in accordance with Rule 1002.f and stabilize soil stockpiles in accordance with 1002.c		Date: 02/01/2019
DITCHES	Yes		`
Comments: Erosion BMPs:	Operator appears to have installed a wide ditch along the northern perimeter of the pad. Ditch appears to have been constructed in accordance with good engineering practices. However, Ditch appears to end at each corner of the pad and lacks a point of discharge with sufficient inlet/outlet protection.		
Other BMPs:			
Corrective Action:	Date:		
	No		No`
Comments: Erosion BMPs:	Required stormwater and erosion control BMPs do not appear to have been installed (or constructed in accordance with good engineering practices) along the western, northwest and northeastern areas of the constructed pad. See photos 11-20		
Other BMPs:			
Corrective Action:	Install required stormwater and erosion control BMPs in accordance with Rule 1002.f and good engineering practices.		Date: 02/01/2019
DITCHES	Yes		`
Comments: Erosion BMPs:	Operator appears to have installed a wide ditch along the eastern perimeter and southeast corner of the pad. Ditch appears to have been constructed in accordance with good engineering practices.		
Other BMPs:			
Corrective Action:	Date:		
	Yes		`
Comments: Erosion BMPs:			
Other BMPs:	Two culverts at the access road entrance of the south end of the pad.		
Corrective Action:	Date:		

No

No`

Comments: Erosion BMPs: Ongoing wind erosion evident, see "1002.e under the "Reclamation" section of this report.

Other BMPs:

Corrective Action:

Date:

Comment:

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: DRY LAND

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 _____ Fail _____

Comment [Soil stockpile slopes unstabilized. See "Stormwater"](#)

Corrective Action _____

Date _____

1002E. SURFACE DISTURBANCE MINIMIZATION _____ Fail _____

Comment [COGCC Rule 1002.e requires that a location is adequately sized, constructed, and maintained so as to reasonably control dust and minimize erosion, alteration of natural features. Wind erosion and sediment transport is currently ongoing from the location. See photos 6, 34-40 in the attached photo document.](#)

Corrective Action [Comply with rule 1002.e and 1002.f, and immediately install required stormwater and erosion control BMPs to stabilize the location and mitigate wind erosion and sediment transport.](#)

Date **01/25/2019**

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: DRY LAND _____

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
682504450	Inspection Photos	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4715880