

**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:

01/07/2020

Submitted Date:

01/09/2020

Document Number:

697501007**FIELD INSPECTION FORM**Loc ID 455365 Inspector Name: Binschus, Chris On-Site Inspection ☐ 2A Doc Num: _____**Operator Information:**OGCC Operator Number: 10670Name of Operator: MALLARD EXPLORATION LLCAddress: 1400 16TH STREET SUITE 300City: DENVER State: CO Zip: 80202**Status Summary:**

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

Findings:9 Number of Comments1 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
DYK, DUSTIN	(720) 543-7954	ddyk@mallardexploration.com	ALL INSPECTIONS
		emathews@mallardexploration.com	

Inspected Facilities:

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status
455365	LOCATION	AC			-	Shoveler Pad	CI

General Comment:

This is a follow up Construction and Stormwater Inspection in response to Form 42: Notice of construction- Document #402260889.

Location Construction

Location ID: 455365 CDP: _____

Comment: A disturbance area of ~20.41 acres was mapped 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: _____

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: RANGELAND

Comment: _____

1002 SITE PREPARATION AND STABILIZATION

1002a. FENCING _____

Comment Operator has installed fencing around the entire perimeter of location, including the access road portions. Refer to the attached inspection photos.

Corrective Action _____

Date _____

1002b. SOIL REMOVAL AND
SEGREGATION

In _____

Comment At the time of this inspection, Operator was completing topsoil salvage operations along the southern location. Based on field observations, it appears the Operator is salvaging to the appropriate depth.

Corrective Action _____

Date _____

1002c. PROTECTION OF SOILS _____

Comment Topsoil is being stored along the northeastern portion of the location.

Operator shall implement stabilization BMPs when stabilizing all stockpiles to ensure compliance under Rule 1002.c. Operator shall consider implementing long-term stabilization BMPs (i.e., seeding) that would also compete with weedy vegetation and generally work to decrease weed growth.

Per Rule 1002.c., all stockpiles shall be protected from degradation due to contamination, compaction and, to the extent practicable, from wind and water erosion during drilling and production operations. Per Rule 1002.c., BMPs to prevent weed establishment and to maintain soil microbial activity shall be implemented.

Corrective Action _____

Date _____

1002E. SURFACE DISTURBANCE MINIMIZATION _____

Comment At the time of this inspection, soil particle deposition was observed off the eastern location and portions off the access road from wind erosion. Operator attempted to minimize soil particle deposition by installing furrow-like BMPs along portions of the access road; however, this alone is not sufficient.

Operator shall comply with Rule 1002.e.(1). In order to reasonably minimize land disturbances and facilitate future reclamation, well sites, production facilities, gathering pipelines, and access roads shall be located, adequately sized, constructed, and maintained so as to reasonably control dust and minimize erosion, alteration of natural features, removal of surface materials, and degradation due to contamination.

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 ☐**Storm Water:**

Loc Erosion BMPs	BMP Maintenance	Lease Road Erosion BMPs	Lease BMP Maintenance	Chemical BMPs	Chemical BMP Maintenance	Comment

Comment: At the time of this inspection, there were no vehicle tracking device BMPs. Operator should consider installing this as one of the first BMPs.

Operator has installed a ditch and berm BMP around the entire perimeter of the location. However, the berm portion of the BMP has not been installed in accordance with good engineering practices, as the berm has been left unconsolidated. An unconsolidated berm BMP is not a proper functioning BMP, as the unconsolidated material becomes a source of potential pollution itself. Operator shall ensure this BMP is properly stabilized as it could be susceptible to wind and water erosion.

Wattle BMPs have not been properly installed. Wattle BMP shall be trenched and back-filled and the ends shall overlap.

Corrective Action: Comply with Rule 1002.f.(2) to install BMPs in accordance with good engineering practices. Operator should have had properly installed the BMP prior to the start of construction; therefore, the corrective action date is being back-dated to the start of construction operations.

Date: 12/19/2019

Pits: ☐ NO SURFACE INDICATION OF PIT**COGCC Comments**

Comment	User	Date
COGCC staff communicated with both the contractor and the Operator, Erin Mathews, the day of this inspection regarding the corrective action.	binschusc	01/09/2020
COGCC staff also expressed concern about the long-term stabilization of the location due its size and the soil type being susceptible to wind erosion, as soil particle deposition was already occurring off location. If this issue continues, it will be referred to Enforcement.		

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

Document Num	Description	URL
402281492	INSPECTION SUBMITTED	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=5032953
697501008	Inspection Photos	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=5032951