

**FORM  
INSP**Rev  
X/20**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:

08/19/2024

Submitted Date:

08/21/2024

Document Number:

708201524

**FIELD INSPECTION FORM**Loc ID 471039 Inspector Name: Edwardson, Dylan On-Site Inspection ☐ 2A Doc Num: \_\_\_\_\_**Operator Information:**

ECMC Operator Number: 10814

Name of Operator: MDS ENERGY DEVELOPMENT LLC

Address: 409 BUTLER RD SUITE A

City: KITTANNING State: PA Zip: 16201

**Status Summary:**

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

**Findings:**

10 Number of Comments

6 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
		jim.jacobsen@iptwell.com	
SAADEH, RICHARD		richard.saadeh@mdsed.com	
		kelsi.welch@iptwell.com	

**Inspected Facilities:**

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status
471039	LOCATION	AC			-	Castor 7-59 10	RI
471064	WELL	PR	11/01/2023	OW	123-50750	CASTOR 7-59 10-3-1	RI
471065	WELL	PR	11/01/2023	OW	123-50751	CASTOR 7-59 10-3-5	RI
471066	WELL	PR	11/01/2023	OW	123-50752	CASTOR 7-59 10-3-8	RI
471069	WELL	PR	12/01/2023	OW	123-50755	CASTOR 7-59 10-3-12	RI

**General Comment:**

This is a follow-up Interim Reclamation and Stormwater Inspection to the previous FIR (doc #708201482) conducted on 08/02/2024.

**Location**Overall Good: ☐

Emergency Contact Number:

Comment: Corrective Action: Date: **Good Housekeeping:**

Type	OTHER		
Comment:	Previous inspections have documented stained soils throughout the location, with FIR (doc #708201482) documenting stained soil near loadout lines. It does not appear that stained soil has been removed near load out lines with new observations noted. Additionally, it was observed that one of the compressors was actively leaking hydrocarbons during this inspection. ECMC Staff spoke with onsite lease operator (Alec) at the time of this inspection and pointed out the stained soil and equipment issues; the lease operator informed Staff that it was being fixed that same day. Before leaving the location, Staff observed that CSI was onsite performing maintenance on the compressor. Refer to attached inspection photos.		
Corrective Action:	Properly dispose of oily waste in accordance with Rule 905.e.	Date:	08/23/2024
Type	WEEDS		
Comment:	Undesirable vegetation (e.g. russian thistle and kochia) was observed around wellheads. Refer to attached inspection photos.		
Corrective Action:		Date:	

Overall Good: ☐**Spills:**

Type	Area	Volume		
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In Containment: No ☐Comment: ☐ Multiple Spills and Releases?**Equipment:**

Type: Compressor	#		corrective date
Comment:	A 5 gallon bucket outside of compressor skid does not appear to be within secondary containment. Refer to attached inspection photos.		
Corrective Action:	Comply with Rule 1002.f.(2)B to implement or modify BMPs for improved material handling and spill prevention.	Date:	08/23/2024
Type: Other	#		
Comment:	It was observed that free fluid, possibly a mixture of hydrocarbons and stormwater, was within the rat/mouse holes of Well API 123-50751. ECMC Staff spoke with onsite lease operator (Alec) to inform of the discovery within the mouse/rat hole. Refer to attached inspection photos.		
Corrective Action:	Properly dispose of oily waste in accordance with Rule 905.e.	Date:	08/18/2024
Type: Bird Protectors	#		
Comment:	No cover or netting was observed around open rat/mouse hole at Well API 123-50751; free fluids were observed within opening at the time of this inspection. Refer to attached inspection photos.		
Corrective Action:	Install or repair wildlife protection equipment per Rule 902.b.	Date:	08/31/2024
Type: Other	#		
Comment:	Subsidence was documented on previous inspections near Well API 123-50755, which appears to have been fixed. However, during this inspection it was observed that subsidence is occurring near Well APIs 123-50751 and 123-50750. ECMC Staff pointed this out to onsite lease operator (Alec) at the time of this inspection. Refer to attached inspection photos.		

Corrective Action:	Operator shall immediately ensure operations are safe and will properly install safety controls and/or backfill the observed hole/subsidence pursuant to Rule 602.c.	Date:	08/22/2024
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<b>Venting:</b>			
Yes/No			
Comment:			
Corrective Action:		Date:	

<b>Flaring:</b>			
Type			
Comment:			
Corrective Action:		Date:	



**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 \_\_\_\_\_ In \_\_\_\_\_

Comment \_\_\_\_\_

It was observed that topsoil was actively being imported and spread over the southeast portion of the interim areas at the time of this inspection. Operator shall submit FIRR once all topsoil has been imported to the location. This is being left "In-Process" until the location is inspected at a future date, to ensure compliance with Rule 1002.b and previous corrective actions.

Corrective Action \_\_\_\_\_

Date \_\_\_\_\_

1002c. PROTECTION OF SOILS \_\_\_\_\_

Comment \_\_\_\_\_

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

It appears that interim reclamation activities have commenced at the time of this inspection with recontouring and topsoil importation observed. Operator shall ensure that all areas not needed for production operations are reduced in size in accordance with interim reclamation rules. Operator shall continue to monitor and manage this site until the location meets Rule 1003 standards, including stormwater and weed management. Operator shall submit a Form 4 Interim Reclamation Complete notice when the location meets Rule 1003 standards. ECMC may conduct inspections prior to receiving said notice to ensure compliance with Rule 1003. Refer to attached inspection photos.

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:		Date
Corrective Action:		
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
<div>Comment: This location does not comply with Rule 1002.f. During this inspection, it was observed that perimeter stormwater controls appear to have been removed, including ditch and berms, and the sediment trap located on the northwest corner of the disturbance area. Additionally, there was evidence of off-location sediment transport at the northwest corner of the location, near the former sediment trap. The track out pad at the entrance does not appear to be properly functioning as it's filled with sediment and the cattle guard is under standing water. Additional stormwater control measures/BMPs are required. Refer to attached inspection photos.</div> <div>Corrective Action: Install or repair required BMPs per Rule 1002.f.(2)C.</div> <div>Date: 08/23/2024</div>						
Pits: NO SURFACE INDICATION OF PIT						

Attached Documents

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

Document Num	Description	URL
403897001	INSPECTION SUBMITTED	<a href="https://ecmc.state.co.us/weblink/DownloadDocumentPDF.aspx?DocumentId=6673886">https://ecmc.state.co.us/weblink/DownloadDocumentPDF.aspx?DocumentId=6673886</a>
708201542	Inspection Photos	<a href="https://ecmc.state.co.us/weblink/DownloadDocumentPDF.aspx?DocumentId=6673875">https://ecmc.state.co.us/weblink/DownloadDocumentPDF.aspx?DocumentId=6673875</a>