

**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:

09/10/2024

Submitted Date:

09/17/2024

Document Number:

708201603

FIELD INSPECTION FORMLoc ID 317041 Inspector Name: Edwardson, Dylan On-Site Inspection ☐ 2A Doc Num: _____**Operator Information:**

ECMC Operator Number: 55030

Name of Operator: MCCARTNEY ENGINEERING LLC

Address: 4251 KIPLING ST STE 575

City: WHEAT RIDGE State: CO Zip: 80033

Status Summary:☐ THIS IS A FOLLOW UP INSPECTION☒ FOLLOW UP INSPECTION REQUIRED☐ NO FOLLOW UP INSPECTION REQUIRED**Findings:**

4 Number of Comments

2 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
McCartney, Jack	303-830-7208	jack@mccartneyengineering.com	
Heibel, Krystal		krystal.heibel@state.co.us	
Binschus, Chris		chris.binschus@state.co.us	
Waggoner, Kyle		kyle.waggoner@state.co.us	

Inspected Facilities:

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status
102621	PIT	AC			-	S.J. WARREN	RI
234892	WELL	PR	06/01/2018	OW	121-07034	WARREN*S J 1	RI
317041	LOCATION	AC			-	WARREN*S J-62N49W 11NWSW	RI
455236	TANK BATTERY	AC	05/30/2018		-	SJ Warren #1 Tank Battery	RI

General Comment:

This is an Interim Reclamation and Stormwater Inspection for Location ID (317041).

Refer to Environmental Field Inspection Report (doc #709100386) for additional information.

Location				
Overall Good: <input type="checkbox"/>				
Emergency Contact Number:				
Comment:				Date: _____
Corrective Action:				
Good Housekeeping:				
Type	WEEDS			
Comment:	This location does not comply with Rule 606. During this inspection, undesirable vegetation (e.g. kochia and russian thistle) was observed throughout the tank battery and well locations. Operator shall comply with Rule 606 and manage/remove undesirable vegetation. Refer to attached inspection photos.			
Corrective Action:				Date:
Overall Good: <input type="checkbox"/>				
Spills:				
Type	Area	Volume		
In Containment: No				
Comment:				
<input type="checkbox"/> Multiple Spills and Releases?				
Venting:				
Yes/No				
Comment:				
Corrective Action:				Date:
Flaring:				
Type				
Comment:				
Corrective Action:				Date:

Inspected Facilities									
Facility ID:	102621	Type:	PIT	API Number:	-	Status:	AC	Insp. Status:	RI
The subreport 'InspWellFlowline' could not be found at the specified location \\10.14.12									
Facility ID:	234892	Type:	WELL	API Number:	121-07034	Status:	PR	Insp. Status:	RI
The subreport 'InspWellFlowline' could not be found at the specified location \\10.14.12									
Facility ID:	317041	Type:	LOCATION	API Number:	-	Status:	AC	Insp. Status:	RI
The subreport 'InspWellFlowline' could not be found at the specified location \\10.14.12									
Facility ID:	455236	Type:	TANK	API Number:	-	Status:	AC	Insp. Status:	RI
The subreport 'InspWellFlowline' could not be found at the specified location \\10.14.12									

Reclamation - Storm Water - Pit**Interim Reclamation:**

Date Interim Reclamation Started: _____ Date Interim Reclamation Completed: _____

Land Use: _____

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 _____

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 ? Fail
- 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? Fail Segregated soils have been replaced? _____

RESTORATION AND REVEGETATIONCropland

Top soil replaced _____ Recontoured _____ Perennial forage re-established Fail

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 **This location does not comply with Rule 1003. Interim areas southeast of the produced water pit do not appear to be progressing towards Rule 1003 standards and regulations as evidenced by areas of non-uniform vegetation cover (e.g. bare soil). The bare areas appear to be impacted by continued sediment transport, salt kill from the produced water pit/berms, or both. Sampling is required for the impacted areas pursuant to Rule 912.a(3). After sampling has occurred, the Operator shall perform interim reclamation activities to the identified areas southeast of the pit. Refer to attached inspection photos.**

Corrective Action **Comply with 912.a(3) to perform soil suitability sampling on impacted areas southeast of the produced water pit. Operator shall sample the impacted area using Table 915-1 Soil Suitability for Reclamation analytes (EC, SAR, pH, and boron) using the appropriate methods. Operator shall submit the analytical results of the soil sample(s) in table format, along with Soil Sample Location Map that illustrates the location of each sample, within a Spill/Release Incident Report (Form 19).**

Date 09/20/2024

Overall Interim Reclamation Fail

Final Reclamation/ Abandoned Location:

Date Final Reclamation Started: _____ Date Final Reclamation Completed: _____

Final Land Use: _____

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:

This location does not comply with Rule 1002.f. At the time of this inspection, it was observed that the production facilities and well location are experiencing erosion degradation with evidence of unstabilized soils and sediment deposition into the interim areas. The pit berms do not appear to be properly stabilized as they are comprised of unconsolidated materials. A perimeter ditch has been installed along the southern and eastern side of the pit, however, no apparent control measures were observed on the northern side. Refer to attached inspection photos.

Corrective Action:

Immediately install or repair required BMPs per Rule 1002.f. in accordance with good engineering practices.

 Date: 09/19/2024

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
708201621	Inspection Photos	https://ecmc.state.co.us/weblink/DownloadDocumentPDF.aspx?DocumentId=6711119