

**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:

08/26/2019

Submitted Date:

08/27/2019

Document Number:

696200698**FIELD INSPECTION FORM**

Loc ID 435480	Inspector Name: Trujillo, Aaron	On-Site Inspection <input type="checkbox"/>	2A Doc Num: _____	<b>Status Summary:</b> <input type="checkbox"/> THIS IS A FOLLOW UP INSPECTION <input checked="" type="checkbox"/> FOLLOW UP INSPECTION REQUIRED <input type="checkbox"/> NO FOLLOW UP INSPECTION REQUIRED  <b>Findings:</b> 3 Number of Comments 1 Number of Corrective Actions <input checked="" type="checkbox"/> Corrective Action Response Requested																
<b>Operator Information:</b> OGCC Operator Number: <u>10706</u> Name of Operator: <u>D90 ENERGY LLC</u> Address: <u>202 TRAVIS STREET #402</u> City: <u>HOUSTON</u> State: <u>TX</u> Zip: <u>77002</u>				<b>ANY CORRECTIVE ACTION(S) FROM PREVIOUS INSPECTIONS THAT HAVE NOT BEEN ADDRESSED ARE STILL APPLICABLE</b>																
<b>Contact Information:</b> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>Contact Name</th> <th>Phone</th> <th>Email</th> <th>Comment</th> </tr> <tr> <td> </td> <td> </td> <td>dsilverman@d90energy.com</td> <td> </td> </tr> </table>					Contact Name	Phone	Email	Comment			dsilverman@d90energy.com									
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<b>Inspected Facilities:</b> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Facility ID</th> <th>Type</th> <th>Status</th> <th>Status Date</th> <th>Well Class</th> <th>API Num</th> <th>Facility Name</th> <th>Insp Status</th> </tr> </thead> <tbody> <tr> <td>435480</td> <td>LOCATION</td> <td>AC</td> <td> </td> <td> </td> <td>-</td> <td>ARIKAREE CREEK SWD 1</td> <td>RI</td> </tr> </tbody> </table>					Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status	435480	LOCATION	AC			-	ARIKAREE CREEK SWD 1	RI
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<b>General Comment:</b> <p>On 8/26/2019, Reclamation Specialist Trujillo conducted stormwater inspection at D90 ENergy LLC's Arikaree Creek SWD 1 location in Lincoln County, Colorado.</p> <p>This inspection is a follow-up to inspection #682504787 dated 4/19/2019.</p> <p>This inspection is to document compliance for the following corrective actions:          210.d: Capacity labeling on tanks          1002.f: Stormwater Management</p> <p>The following alleged compliance issues were observed during this inspection:          1002.f: Stormwater Management</p> <p>Inspection Summary:</p> <p>It was documented that stormwater erosion degradation and sediment transport off the location remains evident, and no BMPs have been installed. It was also observed that labeling on the tanks in accordance with 210.d was missing.</p> <p>At approximately 12:15 hours, Reclamation Specialist Trujillo was contacted on location by an individual who identified himself as "Sam", a Field Supervisor for D90. Sam pointed out a sign at the location entrance identifying the tanks and their capacity. See photo 12 in the attached photos. Due to issues with labels staying attached to the fiberglass tanks, Sam indicated that D90 was provided approval from Inspector Sherman, that the signage will be sufficient per Rule 210.d. When asked about the stormwater corrective actions, Sam stated he was unaware of the corrective actions, and that no stormwater management has been conducted.</p> <p>Refer to the "Good Housekeeping" and "Stormwater" sections of this inspection report for additional details</p> <p>Any corrective action(s) from previous inspections that have not been addressed are still applicable.</p> <p>A follow up on this site inspection will be conducted to ensure the compliance issues have been corrected to comply with COGCC rules.</p>																				

**Location**Overall Good: ☐**Signs/Marker:**

Type	TANK LABELS/PLACARDS		
Comment:	Inspection #682504787 documented insufficient labeling on the tanks. Sign at location entrance identifies tanks and their capacity. D90 indicated that they were provided approval from inspector S. Sherman that this signage will be sufficient per Rule 210.d.  This corrective action has been addressed.		
Corrective Action:		Date:	

**Emergency Contact Number:**

Comment:		Date: _____
Corrective Action:		

Overall Good: ☐**Spills:**

Type	Area	Volume		
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In Containment: No

Comment: ☐ Multiple Spills and Releases?**Venting:**

Yes/No			
Comment:			
Corrective Action:		Date:	

**Flaring:**

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 \_\_\_\_\_

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 ? \_\_\_\_\_
- 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 ☐

**Storm Water:**

Loc Erosion BMPs	BMP Maintenance	Lease Road Erosion BMPs	Lease BMP Maintenance	Chemical BMPs	Chemical BMP Maintenance	Comment
Ditches	Fail		Fail		Fail	
Gravel	Fail					

Comment: Inspection #682504787 documented stormwater erosion degradation on the location, with sediment transport onto the adjacent lands from the southern end of the location. Inspection required operator to comply with 1002.f and install BMPs.

It was observed in this inspection that erosion degradation has continued on the location and access road. Sediment laden stormwater discharge off location has also continued; Degradation to the adjacent lands evident.

Operator has failed to comply with 1002.f and install required stormwater and erosion control BMPs to stabilize the location, and to allow for for sediment laden free stormwater discharge off the location. Original corrective action and date remains applicable.

Corrective Action: Repair erosion degradation and install required BMPs in accordance with 1002.f and in accordance with good engineering practices. Ongoing stormwater monitoring and managment is required until location passes final reclamation.

Date: 05/22/2019

Pits: ☐ NO SURFACE INDICATION OF PIT

**Attached Documents**

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

Document Num	Description	URL
696200699	Inspection Photos	<a href="http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4920373">http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4920373</a>