

**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:

08/08/2019

Submitted Date:

08/09/2019

Document Number:

696200548**FIELD INSPECTION FORM**Loc ID 447523 Inspector Name: Trujillo, Aaron On-Site Inspection ☐ 2A Doc Num: \_\_\_\_\_**Operator Information:**OGCC Operator Number: 10112Name of Operator: FOUNDATION ENERGY MANAGEMENT LLCAddress: 5057 KELLER SPRINGS RD STE 650City: ADDISON State: TX Zip: 75001**Status Summary:**

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

**Findings:**9 Number of Comments2 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
,		regulatory@foundationenergy.com	All Inspections
,		dnr_cogccenforcement@state.co.us	

**Inspected Facilities:**

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status
447523	LOCATION	AC			-	Krager TB Loc	RI
447524	TANK BATTERY	AC	09/01/2016		-	Krager TB	RI

**General Comment:**

This is a follow-up final reclamation, good housekeeping and stormwater inspection.

This inspection is to document compliance for the following corrective actions:

603.f: Noxious weed management.

1004.a: Final Reclamation

This inspection is also in response to Form 18 complaint #200447500 in regards to noxious weed management on Foundation locations;

On 6/25/2019 complainant submitted a formal complaint Form 18 regarding noxious weed issues on location #447525, and #331849 (associated with battery #447523). Complaint was forwarded to inspector on 6/26/2019 and inspector made contact with complainant on 6/27/2019 at ~08:49 hours. Complainant stated that Foundation has failed to conduct sufficient and ongoing noxious weed monitoring and management, as Diffuse Knapweed (*Centaurea diffusa*) has continued to establish on the locations, and spread onto the adjacent lands. Complainant also indicated that Field Bindweed (*Convolvulus arvensis*) has become an issue.

On 7/1/2019 and 8/8/2019, Inspector conducted a follow-up inspection, it was documented that *Centaurea diffusa* issues remain and that sufficient and ongoing noxious weed monitoring and management does not appear to be being conducted. Additionally, *Convolvulus arvensis* has established and spread throughout a large portion of the location. See "Good Housekeeping" within this report and attached photo document. It was also documented that no reclamation has been conducted in accordance with 1004.a and corrective actions. See the "reclamation" section of this report.

Any corrective action(s) from previous inspections that have not been addressed are still applicable.

**Location**Overall Good: ☐

Emergency Contact Number:

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

Type

WEEDS

Comment:

Previous inspections documented that Diffuse Knapweed (*Centaurea diffusa*) has continued to establish on the location and spread onto adjacent lands. Inspection required operator to properly remove and control noxious weeds on location and adjacent lands.

Diffuse Knapweed remains evident on the location and the adjacent lands where weeds have spread from the Foundation location. Corrective action requiring ongoing weed management, and for operator to remove and control noxious weeds on location and adjacent lands remains applicable. Field Bindweed (*Convolvulus arvensis*) has also continued to establish and spread throughout a large portion of the location.

Corrective Action:

Properly remove and control noxious weeds on location. Properly manage and remove noxious weeds from the adjacent lands that have encroached from Foundations location. Ongoing weed management and monitoring is required, and needs to occur in accordance to COGCC rules and regulations.

Date:

Overall Good: ☐**Spills:**

Type

Area

Volume

In Containment: No

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

Yes/No

Comment:

Corrective Action:

Date:

**Flaring:**

Type

Comment:

Corrective Action:

Date:

Inspected Facilities								
Facility ID:	447523	Type:	LOCATION	API Number: -	Status:	AC	Insp. Status:	RI
Facility ID:	447524	Type:	TANK	API Number: -	Status:	AC	Insp. Status:	RI

**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 ? \_\_\_\_\_

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: \_\_\_\_\_

Reminder: \_\_\_\_\_

Comment: \_\_\_\_\_

Well plugged \_\_\_\_\_ Pit mouse/rat holes, cellars backfilled \_\_\_\_\_

Debris removed **Fail** No disturbance /Location never built \_\_\_\_\_

Access Roads Regraded **Fail** Contoured **Fail** Culverts removed **Fail**

Gravel removed **Fail**

Location and associated production facilities reclaimed **Fail** Locations, facilities, roads, recontoured **Fail**

Compaction alleviation **Fail** Dust and erosion control \_\_\_\_\_

Non cropland: Revegetated 80% **Fail** Cropland: perennial forage \_\_\_\_\_

Weeds present **Fail** Subsidence \_\_\_\_\_

## 1004.d. FINAL VEGETATION TRANSECT

TRANSECT RESULTS OF DISTURBED AREA% \_\_\_\_\_

TRANSECT RESULTS OF REFERENCE AREA% \_\_\_\_\_

TOTAL % OF DESIRABLE VEGETATION COVER \_\_\_\_\_

VEGETATIVE COVER \_\_\_\_\_

Comment:

<p>Previous inspections documented that all wells associated with this battery facility appear to have been abandoned and that the battery facility no longer appears to be active and that final reclamation is required. Stained soil due to chemical discharge from the tank also remains, and has not been properly cleaned/removed.</p> <p>Operator has failed to conduct final reclamation in accordance with 1004 rules; equipment/facilities, risers, stained soils, trash debris remain on the location.</p>		Date <b>12/17/2018</b>
Corrective Action:	<p>Perform final reclamation in accordance with COGCC rule 1004.a; remove all equipment, risers, stained soils, trash debris and remaining facilities on location and establish vegetation with total perennial, non-invasive uniform plant cover of at least eighty (80) percent of pre-disturbance or reference area levels. Use a seed mixture requested by the surface owner, or a mixture prescribed by the local county NRCS. Ensure erosion controls are implemented to stabilize the seeded soil, and continue to monitor and manage this site until Final Reclamation has passed. Revegetation activities shall be completed no later than 12/17/2018.</p>	
Overall Final Reclamation	<b>Fail</b>	Well Release on Active Location <input type="checkbox"/> Multi-Well Location <input type="checkbox"/>

**COGCC Comments**

Comment	User	Date
Noxious weed issues have been identified and ongoing since 2016.	trujilloam	08/09/2019
On August 3rd, 2018, COGCC Field Inspector Evans contacted Reclamation Specialist Trujillo regarding weed issues. Evans stated that the Complainant was on location and made contact with him. Complainant indicated that sufficient weed management has not been conducted and that noxious weed issues remained.	trujilloam	08/09/2019
On 9/2/2018 Complainant contacted COGCC staff indicating locations have not received proper "good housekeeping". Complainant indicated that she personally bagged "21 garbage sacks of diffuse knapweed from this area".	trujilloam	08/09/2019
Operator is directed to perform corrective actions outlined on this inspection report immediately. Doing so may decrease the duration of the alleged violations and the penalties that may be assessed pursuant to Rule 523.	trujilloam	08/09/2019
The following comment is copied from inspection #682503486, please see FIR for additional details: Complainant contacted Reclamation staff on 6/12/2018 in regards to noxious weed concerns on Foundation Locations and submitted complaint doc. #200445970 stating that "Diffuse Knapweed has returned to both locations" on 6/13/2018. The locations in reference are the Krager TB / well location and the SOONER SE SEC 21 TB location, both of which have past complaints regarding noxious weed concerns (see inspection #682401201 and inspection #682401240).  On 6/13/2018 at 15:09, upon receiving a formal complaint, Reclamation Specialist Trujillo contacted complainant via phone to discuss concerns. Complainant stated that operator has failed to perform weed management, and weeds (Diffuse Knapweed) has continued to grow and spread from the location onto their property.	trujilloam	08/09/2019

**Attached Documents**

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

Document Num	Description	URL
696200549	Inspection Photos	<a href="http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4904902">http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4904902</a>