

**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:

07/19/2018

Submitted Date:

07/20/2018

Document Number:

682503623**FIELD INSPECTION FORM**
 Loc ID 331346 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:**5 Number of Comments3 Number of Corrective Actions☒ Corrective Action Response Requested**Contact Information:**

Contact Name	Phone	Email	Comment
Allison, Rick		rick.allison@state.co.us	
,		regulatory@foundationenergy.com	
Young, Rob		rob.young@state.co.us	

**Inspected Facilities:**

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status
260679	WELL	SI	02/01/2016	OW	123-20533	SOS 4-4	RI
274750	PIT	AC			-	SOS 4-4	RI

**General Comment:**

This is a final reclamation and stormwater inspection. 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:	Diffuse Knapweed observed around areas of the well location. See attached photos. This is a Colorado State listed noxious weed and needs to be managed and removed. Knapweed is currently flowering and will seedout in the near future.		
Corrective Action:	Properly remove and control noxious weeds. Ongoing weed management and monitoring is required, and needs to occur in accordance to COGCC rules and regulations. Due to the sensitive timeframe required to manage noxious weeds prior to seedhead maturation, a shortened corrective action date of 7/27/2018 is being provided.		Date: 07/27/2018

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:

Inspected Facilities									
Facility ID:	<u>260679</u>	Type:	<u>WELL</u>	API Number:	<u>123-20533</u>	Status:	<u>SI</u>	Insp. Status:	<u>RI</u>
Facility ID:	<u>274750</u>	Type:	<u>PIT</u>	API Number:	<u>-</u>	Status:	<u>AC</u>	Insp. Status:	<u>RI</u>

**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: Cropland

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

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

Access Roads \_\_\_\_\_ Regraded \_\_\_\_\_ Contoured \_\_\_\_\_ Culverts removed \_\_\_\_\_

Gravel removed \_\_\_\_\_

Location and associated production facilities reclaimed Fail Locations, facilities, roads, recontoured \_\_\_\_\_

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

Non cropland: Revegetated 80% \_\_\_\_\_ 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: This location does not meet reclamation regulations or requirements; Pit remains open, see "Pits" in this inspection report. Noxious weeds observed on well location, see "Good Housekeeping". Pipe riser remains at the batter location. Large areas of the battery location remains bare and unvegetated and not reflective of the adjacent reference area (cropland). Areas of the well location remains bare, unvegetated or predominantly undesirable weedy plant species. See attached photo document

Corrective Action: <span style="color: red;">Perform additional reclamation activities in accordance to COGCC 1000 series rules and requirements at the battery and well location. Remove riser remaining at battery per 1004.a. To allow time for operator to determine the issues hindering reclamation at well and battery, and to allow time for operator to collaborate with the surface owner to determine mitigating measures that will allow reclamation work to be conducted in such a manner as to not interfere with agricultural activities, or crop production all remediation and reclamation activities shall be completed no later than 8/31/2018</span>	Date <b>08/31/2018</b>
Overall Final Reclamation <span style="color: red;">Fail</span> Well Release on Active Location <input type="checkbox"/> Multi-Well Location <input type="checkbox"/>	

**Storm Water:**

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

Comment: <div style="border: 1px solid black; height: 20px; width: 100%;"></div>	Date: _____
Corrective Action: <div style="border: 1px solid black; height: 20px; width: 100%;"></div>	

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

Type: <u>Evaporation</u>	Lined: _____	Pit ID: <u>274750</u>	Lat: <u>40.611033</u>	Long: <u>-103.989399</u>
Reference Point: _____	Other: _____	Length: _____	Width: _____	

**Lining:**

Liner Type: _____	Liner Condition: _____
Comment: <span style="color: blue;">Operator submitted form 27 #401479423 12/15/2017 w/ Remediation summary and reclamation plan. COGCC environmental group required additional information. Suplimental information has not been provided, remediation project #10837 remains open.</span>	Date: <u>08/20/2018c</u>
Corrective Action: <span style="color: red;">Submit the required information per 27 #401479423 attached to a Form 27 Supplemental Report to the COGCC Environmental Protection Specialist; Submit the Lat/Lon for southeast corner of pit and determine lateral extent of soil impacted by SAR, EC and pH in the south, east and north directions of the pit.</span>	

**Fencing:**

Fencing Type: _____	Fencing Condition: _____
Comment: <div style="border: 1px solid black; height: 20px; width: 100%;"></div>	Date: _____
Corrective Action: <div style="border: 1px solid black; height: 20px; width: 100%;"></div>	

**Netting:**

Netting Type: _____	Netting Condition: _____
Comment: <div style="border: 1px solid black; height: 20px; width: 100%;"></div>	Date: _____
Corrective Action: <div style="border: 1px solid black; height: 20px; width: 100%;"></div>	

Anchor Trench Present: _____	Oil Accumulation: _____	2+ feet Freeboard: _____
Comment: <div style="border: 1px solid black; height: 20px; width: 100%;"></div>	Date: _____	
Corrective Action: <div style="border: 1px solid black; height: 20px; width: 100%;"></div>		

Type: _____	Lined: _____	Pit ID: _____	Lat: _____	Long: _____
Reference Point: _____	Other: _____	Length: _____	Width: _____	

**Lining:**

Liner Type: _____	Liner Condition: _____
Comment: <div style="border: 1px solid black; height: 20px; width: 100%;"></div>	Date: <u>c</u>
Corrective Action: <div style="border: 1px solid black; height: 20px; width: 100%;"></div>	

<b>Fencing:</b>			
Fencing Type:	Fencing Condition:		
Comment:			Date:
Corrective Action			
<b>Netting:</b>			
Netting Type:	Netting Condition:		
Comment:			Date:
Corrective Action			
Anchor Trench Present:	Oil Accumulation:	2+ feet Freeboard:	
Comment:			Date:
Corrective Action			

**Attached Documents**

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

Document Num	Description	URL
401709423	INSPECTION SUBMITTED	<a href="http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4529126">http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4529126</a>
682503626	Inspection Photos	<a href="http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4529102">http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4529102</a>