

**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:

12/09/2019

Submitted Date:

12/27/2019

Document Number:

696200886**FIELD INSPECTION FORM**Loc ID 323461 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
Binschus, Chris		chris.binschus@state.co.us	

Inspected Facilities:

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status
245270	WELL	SI	05/01/2016	OW	123-13065	SOONER UNIT 2-28	RI
323461	LOCATION	AC			-	SOONER UNIT-68N58W 28NWNE	RI

General Comment:

On 12/9/2019, Reclamation Specialist Trujillo conducted a final reclamation and stormwater inspection at Foundation Energy's Sooner Unit 2 -28 location in Weld County, Colorado.

This inspection is a follow up to Inspection No. 696200739 and Form 18 Complaint No. 200448015 to document compliance for the following corrective actions:

1002.f: Stormwater management

1003.c: Compaction alleviation (Cross-ripping).

1004.a: Removal of surface equipment

1004.a: Grading and recontouring access road

1004.e: Noxious weed management

On 11/23/2019, Operator submitted FIRR No. 402247454 stating 2 of the 4 CAs have been completed (Reclamation, Stormwater). Operator comments state Operator is working with Morgan County REA for the removal of the utility poles; poles on location have not been removed "because it is part of the greater power service for Sooner Unit and could not be removed piecemeal". Operator also states that they are "planning to plug all of the wells in Sooner Unit", and will "continue to work with Morgan County REA".

It was documented in this inspection that additional reclamation activities appear to have been conducted on the Location and Access road; sufficient recontouring/regrading of access road conducted; Location and Access road appears to have been seeded and mulch applied to the seeded soils. Soils were frozen at time of inspection and Reclamation Specialist was unable to determine compliance with compaction alleviation rules, a follow-up inspection will need to be conducted to determine compliance. Noxious weeds were not observed at time of inspection; Vegetation have entered winter dormancy and a follow-up inspection will need to be conducted in the following growing season to determine compliance with noxious weed management rules.

The following alleged compliance issues were observed during this inspection:

1004.a: Removal of Surface equipment; utility equipment have not been removed from Location. Location will remain out of compliance until equipment has been removed.

1002.f: Install or repair required BMPs in accordance with good engineering practices; straw wattles have not been installed in accordance with good engineering practices.

Refer to the "Good Housekeeping", "Reclamation" and "Stormwater sections of this inspection report for additional details.

Refer to the photo-documentation of the observed compliance issues attached to this report.

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

A follow up on this site inspection will be conducted to ensure the compliance issues have been corrected to comply with COGCC rules.

LocationOverall Good: ☐

Emergency Contact Number:

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

Type	WEEDS		
Comment:	<p>The previous inspection documented that noxious weeds (Puncturevine, Tribulus terrestris) established over the access road. Inspection required Operator to conduct noxious weed management.</p> <p>It was observed in this inspection that additional reclamation has been conducted on areas where weeds were previously documented; Noxious weeds were not observed at time of inspection; Vegetation have entered winter dormancy and a follow-up inspection will need to be conducted in the following growing season to determine compliance with noxious weed management rules.</p> <p>Continue conducting required noxious weed monitoring and management.</p>		
Corrective Action:		Date:	
Type	UNUSED EQUIPMENT		
Comment:	<p>Previous inspection documented utility equipment remaining on the north end of the location, and a riser on the northern side of the access road at ~40.639486°/-103.864066°. Inspection required Operator to comply with Rule 1004.a and remove equipment.</p> <p>This corrective action is now being addressed under "Reclamation".</p>		
Corrective Action:		Date:	

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>245270</u>	Type:	<u>WELL</u>	API Number:	<u>123-13065</u>	Status:	<u>SI</u>	Insp. Status:	<u>RI</u>
Facility ID:	<u>323461</u>	Type:	<u>LOCATION</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 REVEGETATIONCropland

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 _____ No disturbance /Location never built _____

Access Roads _____ Regraded _____ Pass _____ Contoured _____ Pass _____ Culverts removed _____

Gravel removed _____

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

Compaction alleviation _____ In _____ Dust and erosion control _____

Non cropland: Revegetated 80% _____ Cropland: perennial forage _____

Weeds present _____ In Process _____ Subsidence _____

1004.d. FINAL VEGETATION TRANSECT

TRANSECT RESULTS OF DISTURBED AREA% _____

TRANSECT RESULTS OF REFERENCE AREA% _____

TOTAL % OF DESIRABLE VEGETATION COVER _____

VEGETATIVE COVER _____

Comment: [SEE "COGCC COMMENTS" FOR COMMENTS REGARDING FINAL RECLAMATION](#)

Corrective Action: **Comply with 1004.a and remove equipment from the location and access road.** Date **06/27/2019**

Overall Final Reclamation **Fail** _____ 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
Waddles	Fail					Straw wattles

Comment: [SEE "COGCC COMMENTS" FOR COMMENTS REGARDING STORMWATER.](#)

Corrective Action: [Comply with 1002.f; install or repair required BMPs in accordance with good engineering practices.](#)

Date: 09/09/2019

Pits: ☐ NO SURFACE INDICATION OF PIT

COGCC Comments

Comment	User	Date
<p>RECLAMATION COMMENT</p> <p>Previous inspection documented that Location does not meet reclamation requirements; utility equipment remaining on the north end of the location, and a riser on the northern side of the access road at ~40.639486°/ -103.864066°; noxious weeds; access road insufficiently graded/recontoured; compaction alleviation (location/road not cross-rippled); Operator failed to conduct reclamation by the earliest local growing season in accordance with 1004.a, and per the surface owner's request.</p> <p>Operator submitted FIRR #402247454 stating reclamation corrective action has been addressed. Operator comments within the FIRR state utility poles have not been removed (see general comment and FIRR for additional information).</p> <p>It was observed in this inspection that additional reclamation activities appear to have been conducted on the Location and the Access road; sufficient recontouring/regrading of access road conducted; Location and Access road appears to have been seeded and mulch applied to the seeded soils; Soils were frozen at time of inspection and Reclamation Specialist was unable to determine compliance with compaction alleviation rules and a follow-up inspection will need to be conducted to determine compliance. Noxious weeds were not observed at time of inspection (see good housekeeping). Corrective action requiring additional reclamation has been addressed.</p> <p>It was also observed in this inspection that the utility equipment (pole, and a pipe with electrical wires) remain on the Location, and that the riser observed on the access road has not been removed. Previous inspection required Operator to remove surface equipment under the "Good Housekeeping" section, this corrective action will now be addressed under the reclamation section of this report; Corrective action has not been addressed and will remain applicable. Location will remain out of compliance with 1004 Rules until surface equipment has been removed.</p>	trujilloam	12/27/2019

STORMWATER COMMENT

trujilloam

12/27/2019

Previous inspection documented that Location did not comply with 1002.f stormwater rules; BMPs missing from location/access road.

Operator submitted FIRR #402247454 stating stormwater corrective action has been addressed.

Erosion degradation observed and sediment laden stormwater discharge off the disturbance areas evident. Inspection required Operator to comply with 1002.f and install/repair BMPs in accordance with good engineering practices.

It was observed in this inspection that additional reclamation activities have been conducted and straw mulch has been applied to the Location/Access road to stabilize the seeded soils. Mulch appears to be in proper functioning condition at time of inspection.

Operator also installed straw wattles to be used in conjunction with the mulch, however wattles have not been installed in accordance with good engineering practices per corrective actions; wattles require trenching/backfilling to be in proper functioning condition. This corrective action remains applicable.

Attached Documents

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

Document Num	Description	URL
696200888	Inspection Photo	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=5022958