

**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:

09/09/2019

Submitted Date:

09/10/2019

Document Number:

696200739**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 Comments4 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
Arthur, Denise		denise.arthur@state.co.us	
,		regulatory@foundationenergy.com	All Inspections
Adamczyk, Megan		megan.adamczyk@state.co.us	
Evins, Bret		bret.evins@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:

This inspection is in response to Form 18 complaint doc. #200448015

On 9/9/2019 at 11:09 hours, Reclamation Specialist Trujillo contacted the complainant (surface owner) in response to Form 18 complaint doc. #200448015. Complainant stated that noxious weeds (Puncturevine, Tribulus terrestris) has established over the access road. Complainant also expressed concerns regarding the reclamation of the location, stating that Foundation was asked to re-seed the disturbance area in the spring growing season.

On 9/09/2019 at 12:12 hours, Reclamation Specialist Trujillo conducted a final reclamation and stormwater inspection at Foundation Energy Management's Sooner Unit #2-28 location in Weld County, Colorado.

It was documented that Tribulus terrestris has established throughout the majority of the access road. Complainant indicated that weeds may have been sprayed, however many plants observed appear viable with seed maturation evident. It was also documented that the access road has not been recontoured or regraded to that of the adjacent lands, and no stormwater or erosion control BMPs have been installed. Additionally, equipment (utility pole, riser) has not been removed, and location has not been cross-ripped per rules. Reclamation and revegetation activities have not been completed by the 2019 growing season at the request of the surface owner.

The following alleged compliance issues were observed during this inspection:

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

Refer to the "Good Housekeeping", "Reclamation" and "Stormwater" section 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:	It was documented that noxious weeds (Puncturevine, Tribulus terrestris) has established over the access road. Complainant indicated that weeds may have been sprayed. It was observed that many plants appear viable with seed maturation evident.		
Corrective Action:	Control noxious weeds; Properly remove and dispose of noxious weeds to mitigate further establishment. Ongoing weed management and monitoring is required, and needs to occur in accordance to COGCC rules and regulations.	Date:	09/24/2019
Type	UNUSED EQUIPMENT		
Comment:	<p>Unused utility pole and riser equipment remaining on location. Cable (debris) remaining on the southeast end of the location. Utility pole was observed on the north end of the location. Riser equipment observed on the northern side of the access road at ~40.639486°/-103.864066°</p> <p>Inspection #696101174 dated 7/22/2019 documented unused equipment remaining on location and required operator to remove by 10/21/2019. This corrective action date is no longer applicable.</p> <p>Rule 1004.a requires all surface equipment/debris to be removed within three (3) months of plugging a well. Records show well was plugged 3/27/2019.</p> <p>All surface equipment was required to be removed by 6/27/2019</p>		
Corrective Action:	Comply with 1004.a and remove equipment from the location and access road. A corrective action date of 6/27/2019 is being provided as this is when the equipment was required to be removed by.	Date:	06/27/2019

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:	245270	Type:	WELL	API Number:	123-13065	Status:	SI	Insp. Status:	RI
Facility ID:	323461	Type:	LOCATION	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 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 **Fail** No disturbance /Location never built _____

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

Gravel removed _____

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

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

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

Corrective Action: _____ Date **10/31/2019**

Comply with 1004 rules; Conduct final reclamation activities including, but not limited to compaction alleviation (cross-ripping to a minimum of 18 inches), recontouring/grading and establish vegetation on location/access road with a 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. Monitor and manage this site until passing Final Reclamation

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
	Fail		Fail			Missing BMPs

Comment: Operator has failed to conduct stormwater management in accordance with 1002.f; BMPs missing from location/access road. Erosion degradation observed and sediment laden stormwater discharge off the disturbance areas evident. Ongoing stormwater monitoring/management is required until location has passed 1004 final reclamation.

Corrective Action: Comply with 1002.f; install or repair required BMPs in accordance with good engineering practices. A corrective action date based on the date of inspection is being provided as Operator is directed to perform corrective actions immediately.

Date: 09/09/2019

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

Comment	User	Date
RECLAMATION COMMENTS This location does not meet reclamation requirements: It was observed that surface equipment, debris remains on location/access road. Noxious weeds observed (See "good housekeeping"). Access road has not been properly graded/recontoured to that of the adjacent lands. BMPs missing at location/access road and stormwater erosion degradation evident (See stormwater). It was also observed that location has not been cross-ripped in accordance with 1003.c; location appears to have only been ripped once, in one direction. Unable to find evidence of revegetation activities. Complainant stated that the Operator was requested to conduct reclamation and revegetation activities by the spring of 2019; Operator has failed to conduct reclamation by the earliest local growing season in accordance with 1004.a	trujilloam	09/10/2019
If it is determined that additional topsoil is required to properly recontour/regrade access road, then Operator will be required to import clean topsoil comparative to the reference area to comply with 1004.a	trujilloam	09/10/2019

Attached Documents

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

Document Num	Description	URL
402171362	INSPECTION SUBMITTED	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4932949
696200740	Inspection Photos	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4932948