

**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:

07/19/2017

Submitted Date:

07/19/2017

Document Number:

684903913**FIELD INSPECTION FORM**

Loc ID 330622 Inspector Name: Pesicka, Conor On-Site Inspection ☐ 2A Doc Num: \_\_\_\_\_

**Operator Information:**OGCC Operator Number: 10112Name of Operator: FOUNDATION ENERGY MANAGEMENT LLCAddress: 16000 DALLAS PARKWAY #875City: DALLAS State: TX Zip: 75248-**Status Summary:**

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

**Findings:**22 Number of Comments13 Number of Corrective Actions☒ Corrective Action Response Requested**Contact Information:**

Contact Name	Phone	Email	Comment
Anderson, Austin	918-845-4700	aanderson@foundationenergy.com	
Mah, Steven		steven.mah@state.co.us	
Leonard, Mike		mike.leonard@state.co.us	
Ash, Margaret		margaret.ash@state.co.us	
,		regulatory@foundationenergy.com	<a href="#">All Inspections</a>

**Inspected Facilities:**

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status
251565	WELL	PR	06/01/2015	GW	123-19368	HILL 31-15-8	TA
275725	PIT	AC	01/25/2005		-	HILL 31-15-8	AC

**General Comment:**

**Location**Overall Good: ☒

<b>Signs/Marker:</b>			
Type	BATTERY		
Comment:	Battery sign detached, SE of location		
Corrective Action:	Install sign to comply with rule 210.b	Date:	09/19/2017
Type	TANK LABELS/PLACARDS		
Comment:	Damaged placarding on 400 bbl crude oil tanks. No placarding on 300 bbl fiberglass produced water tanks		
Corrective Action:	Install sign to comply with rule 210.d	Date:	08/30/2016
Type	CONTAINERS		
Comment:	propane, methanol		
Corrective Action:		Date:	
Type	WELLHEAD		
Comment:	Wellhead sign is for prior operator		
Corrective Action:	Install sign to comply with rule 210.b	Date:	08/30/2016

**Emergency Contact Number:**

Comment: Emergency contact number at wellhead is for prior operator

Corrective Action: Install sign to comply with rule 210.b

Date: 08/21/2017

**Good Housekeeping:**

Type	DEBRIS		
Comment:	Debris in treater house		
Corrective Action:		Date:	07/31/2017
Type	UNUSED EQUIPMENT		
Comment:	Unused equipment in tank battery		
Corrective Action:	Comply with Rule 603.f using the Rule 603.f guidance document for further details.	Date:	08/21/2017

Overall Good: ☐

<b>Spills:</b>			
Type	Area	Volume	

In Containment: No

Comment:

☐ Multiple Spills and Releases?

<b>Fencing/:</b>			
Type	WELLHEAD		
Comment:	barbed wire		
Corrective Action:		Date:	

<b>Equipment:</b>			corrective date
Type: Bird Protectors	# 2		
Comment:			
Corrective Action:		Date:	

Type: Gas Meter Run	# 2		
Comment:			
Corrective Action:			Date:
Type: Vertical Heater Treater	# 1		
Comment:	Stained soil in treater house		
Corrective Action:	Remove or remediate stained soil; Securely fasten all valves, pipes, and fittings to ensure good mechanical condition, inspect at regular intervals and maintain in good mechanical condition per Rule 605.d.		Date: 08/01/2016
Type: Vertical Separator	# 1		
Comment:			
Corrective Action:			Date:
Type: Pig Station	# 1		
Comment:			
Corrective Action:			Date:
Type: Prime Mover	# 1		
Comment:	injection pump; stained soil in pumphouse, around pumphouse		
Corrective Action:	Remove or remediate stained soil; Securely fasten all valves, pipes, and fittings to ensure good mechanical condition, inspect at regular intervals and maintain in good mechanical condition per Rule 605.d.		Date: 08/01/2016
Type: Deadman # & Marked	# 4		
Comment:			
Corrective Action:			Date:
Type: Ancillary equipment	# 3		
Comment:	containers- 2 methanol, 1 propane		
Corrective Action:			Date:
Type: Emission Control Device	# 1		
Comment:			
Corrective Action:			Date:

**Tanks and Berms:**

Contents	#	Capacity	Type	Tank ID	SE GPS
CRUDE OIL	1	300 BBLS	STEEL AST		40.611650,-104.131360
Comment:					
Corrective Action:					Date:

**Paint**

Condition	Adequate
Other (Content)	
Other (Capacity)	
Other (Type)	

**Berms**

Type	Capacity	Permeability (Wall)	Permeability (Base)	Maintenance
Comment:	Shared with crude oil			

Corrective Action:					Date:	
Contents	#	Capacity	Type	Tank ID	SE GPS	
CRUDE OIL	2	400 BBLs	STEEL AST		40.611650,-104.131360	
Comment: <a href="#">Stained soil at loadouts, leaking on E tank at valve.</a>						
Corrective Action: <a href="#">Remove or remediate stained soil; Securely fasten all valves, pipes, and fittings to ensure good mechanical condition, inspect at regular intervals and maintain in good mechanical condition per Rule 605.d.</a> <a href="#">(24 hour CA for leak, 07/20/24)</a>					Date: <a href="#">08/01/2016</a>	

**Paint**

Condition	Adequate
Other (Content)	
Other (Capacity)	
Other (Type)	

**Berms**

Type	Capacity	Permeability (Wall)	Permeability (Base)	Maintenance
Earth	Adequate	Walls Sufficient	Base Sufficient	Adequate
Comment:				
Corrective Action:				Date:

Contents	#	Capacity	Type	Tank ID	SE GPS
PRODUCED WATER	3	300 BBLs	FIBERGLASS AST		40.611650,-104.131360
Comment: <a href="#">Stained soil around tanks</a>					
Corrective Action: <a href="#">Remove or remediate stained soil; Securely fasten all valves, pipes, and fittings to ensure good mechanical condition, inspect at regular intervals and maintain in good mechanical condition per Rule 605.d.</a>					Date: <a href="#">08/21/2017</a>

**Paint**

Condition	Adequate
Other (Content)	
Other (Capacity)	
Other (Type)	

**Berms**

Type	Capacity	Permeability (Wall)	Permeability (Base)	Maintenance
Comment: <a href="#">Shared with crude oil</a>				
Corrective Action:				Date:

**Venting:**

Yes/No	NO
Comment:	
Corrective Action:	Date:

**Flaring:**

Type	
Comment:	
Corrective Action:	Date:

**Inspected Facilities**Facility ID: 251565 Type: WELL API Number: 123-19368 Status: PR Insp. Status: TA**Idle Well**Purpose: ☐ Shut In ☒ Temporarily Abandoned Reminder: EQUIPMENT PRESENT/DISCONNECTEDComment: TA; MIT on 09-24-2015. Last reported on Oct 2016.Corrective Action: Report production via Form 7 as required by Rule 206Date: 08/21/2017**BradenHead**Comment: Bradenhead plumbed to surface.Corrective Action: Date: Facility ID: 275725 Type: PIT API Number: - Status: AC Insp. Status: AC

## Environmental

### Spill/Remediation:

Comment:

Corrective  
Action:

Date:

Emission Control Burner (ECB): YES

Comment: Off while TA

Pilot: OFF

Wildlife Protection Devices (fired vessels): YES

**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? Pass

Comment \_\_\_\_\_

Corrective Action \_\_\_\_\_

Date \_\_\_\_\_

Unused or unneeded equipment onsite? Pass

Comment \_\_\_\_\_

Corrective Action \_\_\_\_\_

Date \_\_\_\_\_

Pit, cellars, rat holes and other bores closed? Pass

Comment \_\_\_\_\_

Corrective Action \_\_\_\_\_

Date \_\_\_\_\_

Guy line anchors marked? Pass

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 \_\_\_\_\_ 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
Gravel	Fail	Gravel	Pass			
Waddles	Pass					

Comment: [Stormwater erosion on N side of pit. Stormwater erosion off NE corner of location has been addressed.](#)

Corrective Action: [Install or repair required BMPs per Rule 1002.f. Refer to the 1002.f guidance document for further details.](#)

Date: 08/21/2017

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

Type: Produced Water Lined: NO Pit ID: 275725 Lat: 40.613215 Long: -104.133043

Reference Point: SE Other: \_\_\_\_\_ Length: 15 Width: 15

**Lining:**

Liner Type: \_\_\_\_\_ Liner Condition: \_\_\_\_\_

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

Corrective Action \_\_\_\_\_

Date: c

**Fencing:**

Fencing Type: None Fencing Condition: \_\_\_\_\_

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

Corrective Action \_\_\_\_\_

Date: \_\_\_\_\_

**Netting:**

Netting Type: Mesh Netting Condition: Holes

Comment: [Gaps on edge of mesh, holes in mesh](#)

Corrective Action [Net or fence pit to prevent access per rule 902.d.](#)

Date: 07/07/2016

Anchor Trench Present: \_\_\_\_\_ Oil Accumulation: NO 2+ feet Freeboard: YES

Comment: [Stained soil at NW corner of pit](#)

Corrective Action [Remove or remediate stained soil](#)

Date: 08/21/2017

**COGCC Comments**

Comment	User	Date
<a href="#">Contacted Austin Anderson, Operations Superintendent about leak at crude oil tank @ 1:00pm 07/19/17</a>	pesickac	07/19/2017

**Attached Documents**

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

Document Num	Description	URL
401347798	INSPECTION SUBMITTED	<a href="http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4201911">http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4201911</a>
684903914	Site photos	<a href="http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4201903">http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4201903</a>