

State of Colorado  
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203  
Phone: (303) 894-2100 Fax: (303) 894-2109



Document Number:

401882105

Date Received:

12/20/2018

Spill report taken by:

ALLISON, RICK

Spill/Release Point ID:

459902

SPILL/RELEASE REPORT (SUPPLEMENTAL)

This form is to be submitted by the party responsible for the oil and gas spill or release. Refer to COGCC Rule 906.b. for reporting requirements of spills or releases of E&P Waste or produced fluids. Submit a Site Investigation and Remediation Workplan (Form 27) when requested by the Director.

OPERATOR INFORMATION

Name of Operator: FOUNDATION ENERGY MANAGEMENT LLC	Operator No: 10112	<b>Phone Numbers</b>
Address: 5057 KELLER SPRINGS RD STE 650		Phone: (202) 244-8114
City: ADDISON State: TX Zip: 75001		Mobile: ( )
Contact Person: Alyssa Beard		Email: abeard@foundationenergy.com

INITIAL SPILL/RELEASE REPORT

Initial Spill/Release Report Doc# 401872524

Initial Report Date: 12/12/2018 Date of Discovery: 12/10/2018 Spill Type: Recent Spill

Spill/Release Point Location:

Location of Spill/Release: QTRQTR SESE SEC 21 TWP 8N RNG 58W MERIDIAN 6

Latitude: 40.642990 Longitude: -103.860697

Municipality (if within municipal boundaries): County: WELD

Reference Location:

Facility Type: WELL  Facility/Location ID No 330359

Spill/Release Point Name: Sooner 21-16-9  No Existing Facility or Location ID No.

Number:  Well API No. (Only if the reference facility is well) 05- -

Fluid(s) Spilled/Released (please answer Yes/No):

Was one (1) barrel or more spilled outside of berms or secondary containment? No

Secondary containment, including walls & floor regardless of construction material, must be sufficiently impervious to contain any discharge from primary containment until cleanup occurs.

Were Five (5) barrels or more spilled? No

Estimated Total Spill Volume: use same ranges as others for values

Estimated Oil Spill Volume(bbl): 0 Estimated Condensate Spill Volume(bbl): 0

Estimated Flow Back Fluid Spill Volume(bbl): 0 Estimated Produced Water Spill Volume(bbl): >0 and <1

Estimated Other E&P Waste Spill Volume(bbl): 0 Estimated Drilling Fluid Spill Volume(bbl): 0

Specify:

Land Use:

Current Land Use: NON-CROP LAND Other(Specify):

Weather Condition: Sunny 45 degrees

Surface Owner: FEE Other(Specify): Marcia Clark

Check if impacted or threatened by spill/Release (please answer Yes/No to all that apply):

Waters of the State  Residence/Occupied Structure  Livestock  Public Byway  Surface Water Supply Area

As defined in COGCC 100-Series Rules

Describe what is known about the spill/release event (what happened -- including how it was stopped, contained, and recovered):

The release was caused by a loosened hammer union at the 21-16-9 wellhead. The hammer union was tightened by an operator. A COGCC inspector performed an inspection on 12/10/18, documenting the release. Soils impacted by the release will be excavated.

**List Agencies and Other Parties Notified:**

**OTHER NOTIFICATIONS**

Date	Agency/Party	Contact	Phone	Response
12/10/2018	COGCC	Bret Evins	-	Performed inspection on day of discovery
12/10/2018	Landowner	Marcia Clark	-	Discovered release
12/12/2018	Weld County LEPC	Roy Rudisill	-	emailed on 12/12/18

Was there a Grade 1 Gas Leak associated with this E & P waste spill or release? Yes  No

If YES, enter the Document Number of the Initial Grade 1 Gas Leak Report Form 44: \_\_\_\_\_

Was there a reportable accident associated with this E & P waste spill or release? Yes  No

If YES, enter the Document Number of the Initial Accident Report, Form 22: \_\_\_\_\_

**SPILL/RELEASE DETAIL REPORTS**

#1 Supplemental Report Date: 12/20/2018

FLUIDS	BBL's SPILLED	BBL's RECOVERED	Unknown
OIL	<u>0</u>	<u>0</u>	<input type="checkbox"/>
CONDENSATE	<u>0</u>	<u>0</u>	<input type="checkbox"/>
PRODUCED WATER	<u>1</u>	<u>0</u>	<input type="checkbox"/>
DRILLING FLUID	<u>0</u>	<u>0</u>	<input type="checkbox"/>
FLOW BACK FLUID	<u>0</u>	<u>0</u>	<input type="checkbox"/>
OTHER E&P WASTE	<u>0</u>	<u>0</u>	<input type="checkbox"/>

specify: \_\_\_\_\_

Was spill/release completely contained within berms or secondary containment? NO Was an Emergency Pit constructed? NO

*Secondary containment, including walls & floor regardless of construction material, must be sufficiently impervious to contain any discharge from primary containment until cleanup occurs.*

**A Form 15 Pit Report shall be submitted within 30 calendar days after the construction of an emergency pit**

Impacted Media (Check all that apply)  Soil  Groundwater  Surface Water  Dry Drainage Feature

Surface Area Impacted: Length of Impact (feet): 20 Width of Impact (feet): 10

Depth of Impact (feet BGS): \_\_\_\_\_ Depth of Impact (inches BGS): \_\_\_\_\_

How was extent determined?

Location of the release is illustrated on the attached Figure 1 topographic map. The extent of the release still to be determined. Excavation activities are scheduled for January 3 or 4, 2019. Extents will be field determined utilizing PID readings and confirmed with laboratory analytical testing.

Soil/Geology Description:

Unknown

Depth to Groundwater (feet BGS) 50 Number Water Wells within 1/2 mile radius: 1

If less than 1 mile, distance in feet to nearest Water Well 1846 None  Surface Water 1438 None

Wetlands \_\_\_\_\_ None  Springs \_\_\_\_\_ None   
 Livestock \_\_\_\_\_ None  Occupied Building 700 None

Additional Spill Details Not Provided Above:

There was no standing water to be removed with a vac truck at the time that this spill was discovered.

### CORRECTIVE ACTIONS

#1 Supplemental Report Date: 12/20/2018

Cause of Spill (Check all that apply)  Human Error  Equipment Failure  Historical-Unknown  
 Other (specify) \_\_\_\_\_

Describe Incident & Root Cause (include specific equipment and point of failure)

As described in the initial spill report, a hammer union loosened on the shut-in Sooner 21-16-9 well. The hammer union was tightened by an operator. Foundation has not determined what caused the hammer union to become loosened.

Describe measures taken to prevent the problem(s) from reoccurring:

Foundation will continue to check shut-in wells.

Volume of Soil Excavated (cubic yards): \_\_\_\_\_

Disposition of Excavated Soil (attach documentation)  Offsite Disposal  Onsite Treatment  
 Other (specify) \_\_\_\_\_

Volume of Impacted Ground Water Removed (bbls): \_\_\_\_\_

Volume of Impacted Surface Water Removed (bbls): \_\_\_\_\_

### REQUEST FOR CLOSURE

**Spill/Release Reports should be closed when impacts have been remediated or when further investigation and corrective actions will take place under an approved Form 27.**

Basis for Closure:  Corrective Actions Completed (documentation attached)  
 Work proceeding under an approved Form 27  
 Form 27 Remediation Project No: \_\_\_\_\_

### OPERATOR COMMENTS:

Rick Allison will be notified prior to excavation, which is scheduled to occur January 3 or 4.

I hereby certify all statements made in this form are to the best of my knowledge true, correct, and complete.

Signed: \_\_\_\_\_ Print Name: Alyssa Beard  
 Title: EHS Manager Date: 12/20/2018 Email: abeard@foundationenergy.com

### COA Type

### Description

COA Type	Description

### Attachment Check List

Att Doc Num	Name
401882105	SPILL/RELEASE REPORT(SUPPLEMENTAL)
401882227	TOPOGRAPHIC MAP
401884875	FORM 19 SUBMITTED

Total Attach: 3 Files

**General Comments**

<b><u>User Group</u></b>	<b><u>Comment</u></b>	<b><u>Comment Date</u></b>
		Stamp Upon Approval

Total: 0 comment(s)