

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:

401399342

Date Received:

11/13/2017

Spill report taken by:

CHESSON, BOB

Spill/Release Point ID:

445282

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: <u>FOUNDATION ENERGY MANAGEMENT LLC</u>	Operator No: <u>10112</u>	Phone Numbers
Address: <u>5057 KELLER SPRINGS RD STE 650</u>		Phone: <u>(303) 244-8114</u>
City: <u>ADDISON</u>	State: <u>TX</u>	Zip: <u>75001</u>
Contact Person: <u>Alyssa Beard</u>		Mobile: <u>(720) 257-2302</u>
		Email: <u>abeard@foundationenergy.com</u>

INITIAL SPILL/RELEASE REPORT

Initial Spill/Release Report Doc# 401016736

Initial Report Date: 03/29/2016 Date of Discovery: 03/27/2016 Spill Type: Recent Spill

Spill/Release Point Location:

Location of Spill/Release: QTRQTR SWSE SEC 18 TWP 2N RNG 63W MERIDIAN 6

Latitude: 40.135708 Longitude: -104.479633

Municipality (if within municipal boundaries): _____ County: WELD

Reference Location:

Facility Type: FLOWLINE Facility/Location ID No _____
 No Existing Facility or Location ID No.
 Well API No. (Only if the reference facility is well) 05-123-07611

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 and <1 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: At most 1.5 bbls of oil/water mix was released

Land Use:

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

Weather Condition: Sunny, melting snow

Surface Owner: FEE Other(Specify): _____

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):

Pumper arrived on location at 9:30am on 3/27 to discover a small line leak in the flowline going into the battery separator. There was approximately 0.5 bbl of fluid on the ground at the release point. Well production rates average around 1.5 bbls of oil/water per day, so that is the maximum release that could have occurred based on when the well was checked. Fluid is contained on the battery wellpad.

List Agencies and Other Parties Notified:

OTHER NOTIFICATIONS

Date	Agency/Party	Contact	Phone	Response
3/29/2016	COGCC	Bob Chesson	303-894-2100 x5112	Left voicemail notifying of release, sent email
3/29/2016	Weld County LEPC	Roy Rudisill	970-356-4000 x3990	Sent email about release
3/29/2016	Surface Owner	Julius Pluss/ Kaufman LP	720-320-5089	Left voicemail notifying of release

SPILL/RELEASE DETAIL REPORTS

#1 Supplemental Report Date: 09/26/2017

FLUIDS	BBL's SPILLED	BBL's RECOVERED	Unknown
OIL	1	0	<input type="checkbox"/>
CONDENSATE	0	0	<input type="checkbox"/>
PRODUCED WATER	0	0	<input type="checkbox"/>
DRILLING FLUID	0	0	<input type="checkbox"/>
FLOW BACK FLUID	0	0	<input type="checkbox"/>
OTHER E&P WASTE	0	0	<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): 60 Width of Impact (feet): 8

Depth of Impact (feet BGS): 6 Depth of Impact (inches BGS): _____

How was extent determined?

Soil samples were collected from the open excavation on 8/15/17 and analyzed for GBTEX and DRO at Summit Scientific laboratory. Samples collected from the sidewalls and base were below the Table 910 standard with the exception of the west sidewall of the excavation (West@5'). The west sidewall sample exceeded the Table 910 standard for TPH with a value of 1700 mg/kg DRO. Consequently, the west sidewall of the excavation was extended further in order to determine the extent of impacted soil. A subsequent soil sample (West2@5') was collected on August 31, 2017. The result of this soil sample was below the Table 910 standard for GBTEX and DRO.

Soil/Geology Description:

Olney loamy sand, 3-5% slopes

Depth to Groundwater (feet BGS) 20 Number Water Wells within 1/2 mile radius: 4

If less than 1 mile, distance in feet to nearest

Water Well	<u>1144</u>	None <input type="checkbox"/>	Surface Water	<u>4049</u>	None <input type="checkbox"/>
Wetlands	_____	None <input checked="" type="checkbox"/>	Springs	_____	None <input checked="" type="checkbox"/>
Livestock	_____	None <input checked="" type="checkbox"/>	Occupied Building	_____	None <input checked="" type="checkbox"/>

Additional Spill Details Not Provided Above:

Empty box for additional spill details.

CORRECTIVE ACTIONS

#1 Supplemental Report Date: 10/03/2017

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)

The 4" flowline developed a small leak prior to tying in to the battery separator. The fiberglass line cracked due to the placement of a line clamp that was tightened too much, which weakened the line and caused the crack.

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

The leaking segment of the flowline was exposed through excavation and the damaged segment was cut and replaced.

Volume of Soil Excavated (cubic yards): 58

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

Volume of Impacted Ground Water Removed (bbls): 0

Volume of Impacted Surface Water Removed (bbls): 0

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:

Approximately 58 yards of soil was taken to the Waste Management Buffalo Ridge facility (assuming a 1:1 ratio of tons/yards). Clean backfill was brought in to the release area to fill to grade.

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 Specialist Date: 11/13/2017 Email: abeard@foundationenergy.com

COA Type

Description

COA Type	Description

Attachment Check List

Att Doc Num	Name
401399342	SPILL/RELEASE REPORT(SUPPLEMENTAL)
401419307	ANALYTICAL RESULTS
401419308	ANALYTICAL RESULTS
401454418	ANALYTICAL RESULTS
401454426	TOPOGRAPHIC MAP

401454427	SITE MAP
401454633	DISPOSAL MANIFEST
401454635	DISPOSAL MANIFEST
401458806	FORM 19 SUBMITTED

Total Attach: 9 Files

General Comments

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

Total: 0 comment(s)