

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-141  
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in  
accordance with 19.15.29 NMAC.

**Release Notification and Corrective Action**

**OPERATOR**

☒ Initial Report ☐ Final Report

Name of Company: ETC Field Services	Contact: Johnnie Bradford
Address: 600 N. Marienfeld Street, Ste. 700	Telephone No. (432) 250-5542 (cell) (817) 302-9812 (off)
Facility Name: MF-16"	Facility Type: Pipeline

Surface Owner: Range Operating NM Inc.	Mineral Owner:	API No.
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**LOCATION OF RELEASE**

Unit Letter K	Section 29	Township 21S	Range 37E	Feet from the 108	North/South Line North	Feet from the 244	East/West Line West	County Lea
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Latitude 32.449613N Longitude 103.18858W

**NATURE OF RELEASE**

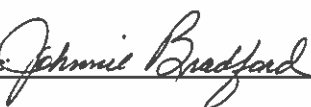

Type of Release: Gas and Liquid	Volume of Release: 140 Mscf/7 BBLs	Volume Recovered: None
Source of Release: Pipeline	Date and Hour of Occurrence: 11/07/2016 17:00	Date and Hour of Discovery: 11/07/2016 17:00
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom? N/A	
By Whom? N/A	Date and Hour: N/A	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. N/A	

If a Watercourse was Impacted, Describe Fully.\*  
A Watercourse was not affected..

Describe Cause of Problem and Remedial Action Taken.\*  
Due to external corrosion, as section of 16" gathering system pipeline develop a hole causing a release of natural gas and oil. The pipeline was immediately isolated and the leaking section of pipe dug up to reveal the hole. The contaminated soil was stockpiled and sampled to determine disposal options.

Describe Area Affected and Cleanup Action Taken.\*  
The area affected was approximately 27'x18'x1" on top of the soil. The area around the pipeline leak was approximately 10'x9'x6'. The contaminated soil was stockpiled and sampled for disposal options. Considering that additional contamination remained, the hole will be deepened to expose uncontaminated soil. At that time, additional samples will be taken to demonstrate success of remedial efforts to NMOCD Recommended Remediation Action Levels (RRALs). All contaminated material will be disposed on a NMOCD approved landfill or land farm. Once remediation is confirmed, the hole will be backfilled with uncontaminated soil.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: 	<b>OIL CONSERVATION DIVISION</b>		
Printed Name: Johnnie Bradford	Approved by Environmental Specialist 		
Title: Sr. Environmental Specialist	Approval Date: 11/23/2016	Expiration Date: 01/23/2017	
E-mail Address: johnnie.bradford@energytransfer.com	Conditions of Approval: Please see attached Directive		Attached <input type="checkbox"/> 1RP 4523
Date: 11/17/2016	Phone: (432) 250-5542		

\* Attach Additional Sheets If Necessary

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pKL1632847154

#### Initial Work Plan:

On or about November 07, 2016 a pipeline leak was discovered on the MF-16" pipeline owned and operated by Energy Transfer Company Field Services (ETCFS). The location of the leak by GPS Coordinates is 32.449613 N Latitude, 103.18858 W Longitude, in Lea County NM. A C-141 form is being submitted with this Initial Work Plan. The cause of the leak was due to external corrosion on the pipeline.

The leak consisted of gas and liquid encompassing an area of approximately 27'x18'x1.5" (on top soil) and 10'x9'x6' (around the pipe). The gas release associated with this leak, while difficult to calculate, is estimated to be 140 Mscf. Upon discovery, any liquid that was present was removed from the unprotected surface and mixed with soil. This mixture was stockpiled on plastic for future disposal.

Depth to groundwater at this location is approximately 85 feet and the distance to surface water is greater than 1,000 horizontal feet; therefore the total ranking score for this site is 0-9. Consequently, the Recommended Remedial Action Level (RRAL) for BTEX and TPH will be met respectively, at 50 ppm and 1,000 ppm.

#### Remedial Activities:

- The impacted soil will be remediated until no apparent contamination exists. A sample will be taken from the bottom of the excavation at several locations and will be sent to an approved certified lab and analyzed for TCPL BETX, TCLP RCRA 8 Metals, TPH and Chlorides.
- Once the analytical has been received, the results will be evaluated for contaminant levels at or below the NMOCD RRAL.
- Should results dictate additional remedial activities, the process will be repeated until the site meets the NMOCD RRAL as published.
- All excavated material will be disposed at an NMOCD approved landfill.
- Upon completion of the remediation, the appropriate NMOCD office will be notified of the sample results and approval for backfill requested.
- If needed or requested the site will be reseeded as directed.

Operator/Responsible Party,

The OCD has received the form C-141 you provided on 11/17/2016 regarding an unauthorized release. The information contained on that form has been entered into our incident database and remediation case number 1RP 4523 has been assigned. **Please refer to this case number in all future correspondence.**

It is the Division's obligation under both the Oil & Gas Act and Water Quality Act to provide for the protection of public health and the environment. Our regulations (19.15.29.11 NMAC) state the following,

*The responsible person shall complete division-approved corrective action for releases that endanger public health or the environment. The responsible person shall address releases in accordance with a remediation plan submitted to and approved by the division or with an abatement plan submitted in accordance with 19.15.30 NMAC. [emphasis added]*

Release characterization is the first phase of corrective action unless the release is ongoing or is of limited volume and all impacts can be immediately addressed. Proper and cost-effective remediation typically cannot occur without adequate characterization of the impacts of any release. Furthermore, the Division has the ability to impose reasonable conditions upon the efforts it oversees. **As such, the Division is requiring a workplan for the characterization of impacts associated with this release be submitted to the OCD District 1 office in Hobbs on or before 12/23/2016. If and when the release characterization workplan is approved, there will be an associated deadline for submittal of the resultant investigation report. Modest extensions of time to these deadlines may be granted, but only with acceptable justification.**

The goals of a characterization effort are: 1) determination of the lateral and vertical extents along with the magnitude of soil contamination. 2) determine if groundwater or surface waters have been impacted. 3) If groundwater or surface waters have been impacted, what are the extents and magnitude of that impact. 4) The characterization of any other adverse impacts that may have occurred (examples: impacts on vegetation, impacts on wildlife, air quality, loss of use of property, etc.). To meet these goals as quickly as possible, the following items must, at a minimum, be addressed in the release characterization workplan and subsequent reporting:

- Horizontal delineation of soil impacts in each of the four cardinal compass directions. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C<sub>6</sub> thru C<sub>36</sub>), and for chloride by Method 300. This is not an exclusive list of potential contaminants. Analyzed parameters should be modified based on the nature of the released substance(s). Soil sampling must be both within the impacted area and beyond.
- Vertical delineation of soil impacts. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C<sub>6</sub> thru C<sub>36</sub>), and for chloride by Method 300. As above, this is not an exclusive list of potential contaminants and can be modified. Vertical characterization samples should be taken at depth intervals no greater than five feet apart. Lithologic description of encountered soils must also be provided. At least ten vertical feet of soils with contaminant concentrations at or below these values must be demonstrated as existing above the water table.
- Nominal detection limits for field and laboratory analyses must be provided.
- Composite sampling is not generally allowed.
- Field screening and assessment techniques are acceptable (headspace, titration, EC [include algorithm for validation purposes], EM, etc.), but the sampling and assay procedures must be clearly defined. Copies of field notes are highly desirable. A statistically significant set of split samples must be submitted for confirmatory laboratory analysis, including the laterally farthest and vertically deepest sets of soil samples. Make sure there are at least two soil samples submitted

for laboratory analysis from each borehole or test pit (highest observed contamination and deepest depth investigated). Copies of the actual laboratory results must be provided including chain of custody documentation.

- Probable depth to shallowest protectable groundwater and lateral distance to nearest surface water. If there is an estimate of groundwater depth, the information used to arrive at that estimate must be provided. If there is a reasonable assumption that the depth to protectable water is 50 feet or less, the responsible party should anticipate the need for at least one groundwater monitoring well to be installed in the area of likely maximum contamination.

- If groundwater contamination is encountered, an additional investigation workplan may be required to determine the extents of that contamination. Groundwater and/or surface water samples, if any, must be analyzed by a competent laboratory for volatile organic hydrocarbons (typically Method 8260 full list), total dissolved solids, pH, major anions and cations including chloride and sulfate, dissolved iron, and dissolved manganese. The investigation workplan must provide the groundwater sampling method(s) and sample handling protocols. To the fullest extent possible, aqueous analyses must be undertaken using nominal method detection limits. As with the soil analyses, copies of the actual laboratory results must be provided including chain of custody documentation.

- Accurately scaled and well-drafted site maps must be provided providing the location of borings, test pits, monitoring wells, potentially impacted areas, and significant surface features including roads and site infrastructure that might limit either the release characterization or remedial efforts. Field sketches may be included in subsequent reporting, but should not be considered stand-alone documentation of the site's layout. Digital photographic documentation of the location and fieldwork is recommended, especially if unusual circumstances are encountered.

**Nothing herein should be interpreted to preclude emergency response actions or to imply immediate remediation by removal cannot proceed as warranted. Nonetheless, characterization of impacts and confirmation of the effectiveness of remedial efforts must still be provided to the OCD before any release incident will be closed.**

**Jim Griswold**

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