

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

NM OIL CONSERVATION
ARTESIA DISTRICT
State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

SEP 05 2017

Form C-141
Revised April 3, 2017

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

RECEIVED

Release Notification and Corrective Action

NAB1725436494

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company	Linn Operating Inc. 2109324	Contact	Dennis Potter
Address	2130 W. Bender Blvd. Hobbs NM, 88240	Telephone No.	office: 575-738-1739 ext. 2964 / cell: 505-206-7673
Facility Name	H.E. West B #30	Facility Type	injection line
Surface Owner	Federal	Mineral Owner	API No. 30-015-10705

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
K	09	17S	31E	1980	SOUTH	1980	WEST	EDDY

Latitude 32.8479

Longitude -103.8759

NAD83

NATURE OF RELEASE

Type of Release	PRODUCED WATER	Volume of Release	80 BBLS	Volume Recovered	0
Source of Release	FIBERGLAS PIPELINE	Date and Hour of Occurrence	09/02/2017 7:30 am	Date and Hour of Discovery	09/02/2017 8:00 am
Was Immediate Notice Given?	☒ Yes ☐ No ☐ Not Required	If YES, To Whom?	Mike Bratcher / Crystal Weaver - OCD Shelly Tucker - BLM		
By Whom?	Dennis Potter	Date and Hour	09/05/2017 8:25 am		
Was a Watercourse Reached?	☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.			

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

2" lateral injection line ruptured approx. 150 yards north west of injection well. Was unable to get vacuum truck to leak. Called out backhoe on 09/05/17 to remove contaminated soil on the surface.

Describe Area Affected and Cleanup Action Taken.*

Area impacted was approx. 20' wide and 60' long. Contaminated soil was removed by backhoe.

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.

OIL CONSERVATION DIVISION

Signature:

Dennis J. Potter

Printed Name: Dennis J. Potter

Approved by Environmental Specialist:

Crystal Weaver

Title: Production Foreman

Approval Date: 9/11/17

Expiration Date: N/A

E-mail Address: dpotter@linenergy.com

Conditions of Approval

See attached

Attached

2RP-4375

Date: 09/05/2017

Phone: 505-206-7673

* Attach Additional Sheets If Necessary

9/18/17

Operator/Responsible Party,

The OCD has received the form C-141 you provided on **9/5/17** regarding an unauthorized release. The information contained on that form has been entered into our incident database and remediation case number 2RP-4375 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 II office in Artesia on or before 10/5/17. 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; C₆ thru C₃₆), 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; C₆ thru C₃₆), 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

OCD Environmental Bureau Chief

1220 South St. Francis Drive

Santa Fe, New Mexico 87505

505-476-3465

jim.griswold@state.nm.us

Spill Release Form

Guidelines for Industry Safe forms: - Follow notes in column C
 - Yellow fields are required
 - Attach this form as a .xlsx attachment when entering into Industry Safe

Basic Information	
Lease Operator Name	Ben Fleetwood
Supervisor's Name	Dennis potter
Supervisor's Title	production foreman
Date of Incident	9/2/2017
Time of Incident	10:00 AM
Incident Type	Spill / Release
Company	Linn Energy
Region	Houston
Area	Hobbs
Enertia Area	PB-NM - PB-WESTERN CENTRAL NM
Latitude	32.8479
Longitude	-103.8759
Was a Vehicle Involved?	N
Was an employee or directly supervised contractor injured?	N
Was a Non-Employee injured?	N
Property Damage?	N

Incident Details	
Reported to: Name	Aaron Hickert
Date Reported	9/2/2017
Time Reported	10:30AM
State	NM
Specific Location	WB# 30
Description of Incident	At approx 7:30 am received a call from another pumper that the pump at the keel west water injection plant had went down on low PSI. We then started driving and walking injection line out where we located a busted injection line by the WB#30. there was approx 80 bbls of produce water on the ground. we got all lines shut in and

Additional Information	
Estimated Property Damage	NA
Damage to a DOT Pipeline?	NA
Identify Emergency Responders	NA
Was a drug or alcohol test performed?	NA
Witness Information	

Incident Details	
Spill/Release Type	Water
Inside Containment	N
Clean Up Description	
Onsite Personnel Cleaned Up Spill	
Offsite Contractor Cleaned Up Spill	
Substance 1 Released	Produced Water
Substance 1 Volume (Barrels)	80
Substance 1 Recovered (Barrels)	0
Substance 2 Released	
Substance 2 Volume (Barrels)	
Substance 2 Recovered (Barrels)	0
Agency Reporting Log	
Agency Report Required	

Incident Analysis	
Equipment Type	Pipeline - Poly
Specific Cause	Corrosion
Weather Conditions	clear
Slick Present?	N

Weaver, Crystal, EMNRD

From: Potter, Dennis <DPotter@linnenergy.com>
Sent: Tuesday, September 5, 2017 11:13 AM
To: Bratcher, Mike, EMNRD; Weaver, Crystal, EMNRD; Tucker, Shelly
Subject: WB#30 spill report 9-2-17
Attachments: C-141 9-2-17.pdf; Google earth injection line and leak..jpg; IMG_0324.jpg; IMG_0325.jpg; IMG_0328.jpg; IMG_0329.jpg; IMG_0330.jpg; WB#30 spill report 9-2-17.xlsx

This electronic message, together with any attachments, contains information from LINN Energy that may be confidential and intended solely for the use of the addressee only. If you are not the intended recipient, please note that any disclosure, dissemination, distribution or copying of this message, or any attachment, is strictly prohibited. Also, *please notify the original sender by return e-mail and delete the message, along with any attachments, from your computer.* Finally, the recipient should check this email and any attachments for the presence of viruses. The organization accepts no liability for any damage caused by any virus transmitted by this email.