

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

Form C-141
Revised August 8, 2011
JUL 23 2014
Submit 1 Copy to appropriate District Office in
accordance with 19.15.29 NMAC.

RECEIVED

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company	Linn Energy	Contact	Brian Wall
Address	2130 W. Bender Blvd., Hobbs, NM 88240	Telephone No.	(806) 367-0645
Facility Name	J.L. Keel A #11	Facility Type	Injection Line Release

Surface Owner	BLM	Mineral Owner		API No.	3001505099
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LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
H	7	17S	31E	1945	FNL	762	FEL	Eddy

Latitude 32°51'3.227"N Longitude 103°54'10.98"W

NATURE OF RELEASE

Type of Release	Production water	Volume of Release	100 bbls	Volume Recovered	15 bbls
Source of Release	Injection Line	Date and Hour of Occurrence	8/22/11	Date and Hour of Discovery	8/22/11
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Terry Gregston - BLM		
By Whom?		Date and Hour	8/22/11		
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.* The injection line to the injection well ruptured at the buried 'T' intersection affecting 12,383 sq ft of pasture land. A total of 100 bbls of produced water was released and a total of 15 bbls of produced water was recovered.

Describe Area Affected and Cleanup Action Taken.* A total of 12,383 sq ft of pasture land was affected. RECS personnel were on site beginning on October 28th, 2013. A total of 14 points were sampled at the surface along the release. Three points were sampled with depth to determine the vertical extent of the release. The samples were taken to a commercial laboratory for analysis. On December 5th, 2013, a Corrective Action Plan (CAP) was submitted to BLM and NMOCD. NMOCD responded to the CAP on December 5th, 2013 with stipulations that needed to be completed prior to conducting CAP work. NMOCD requested that deeper samples, at or near 10 ft bgs, be obtained at Points 2, 6, 8, 11 and 14. BLM concurred with these stipulations on December 5th, 2013. On January 24th, 2014, RECS personnel were on site to conduct vertical sampling at the site at Points 2, 6, 8, 11, and 14 as requested by NMOCD and BLM. Points 6, 8 and 11 returned laboratory chloride readings below 1,000 mg/kg at the base of the each vertical and Point 14 returned a laboratory chloride reading below 250 mg/kg at the base of its vertical. Point 2 was installed to a depth of 15 ft bgs, and at that depth, returned a laboratory chloride value of 2,840 mg/kg. Two soil bores were installed at the site on February 19th, 2014. The bottom two samples from each bore were taken to a commercial laboratory for analysis. Based on the sampling, an Addendum to the Corrective Action Plan was submitted to NMOCD and BLM on March 4th, 2014. BLM approved the Addendum with stipulations on March 18th, 2014. NMOCD verbally approved the Addendum on April 23rd, 2014. Corrective actions began at the site on March 27th, 2014. The area around SB-1 was excavated to a depth of 4 ft bgs. Once the excavation was completed, a 20-mil reinforced poly liner was installed and key set into the base of the excavation. The area around SB-2 was excavated to a depth of 3 ft 1 in, and the area around Point 9 was scraped down 6 inches. The excavated soil was blended on site and a composite sample was taken to a commercial laboratory for analysis. The blended soil returned a laboratory chloride reading of 528 mg/kg, a DRO reading of 10.3 mg/kg and GRO and BTEX readings of non-detect. On April 23rd, 2014, NMOCD and BLM approved the site to be backfilled. The blended soil was used to pad the 20-mil liner. The 4 ft excavation was then backfilled with the imported caliche, which had been used to create a temporary road for soil bore installations. Two composite samples of the imported caliche were taken to a commercial laboratory for analysis and both returned chloride values of non-detect. The 4 ft excavation was backfilled with the caliche to 3 ft bgs, and the remainder of the excavation was backfilled with the blended soil. The 3 ft 1 in excavation and the 6 inch scrape were backfilled with the blended soil to ground surface. On May 15th, 2014, the site was tilled and seeded with LPC mix.

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: <i>Fred B Wall</i>	OIL CONSERVATION DIVISION	
Printed Name: Brian Wall	Approved by Environmental Specialist: <i>[Signature]</i>	
Title: Construction Foreman II	Approval Date: <i>7/29/14</i>	Expiration Date: <i>NA</i>
E-mail Address: Bwall@linenergy.com	Conditions of Approval: <i>Final</i>	Attached <input type="checkbox"/>
Date: 7-21-14	Phone: (806) 367-0645	