RECEIVED
By OCD District 1 at 11:25 am, May 18, 2015

APPROVED
By OCD District 1 at 11:25 am, May 18, 2015

LINN Energy

Caprock Maljamar Unit #283

CLOSURE REPORT

API No. 30-025-34193

Release Date: January 28th, 2015

Unit Letter O, Section 33, Township 17 South, Range 33 East

April 27, 2015

Prepared by:

Environmental Department
Diversified Field Service, Inc.
206 W. Snyder
Hobbs, NM 88240
Phone: (575)964-8394
Fax: (575)393-8396

Table of Contents

Diversified Field Service, Inc.
206 W Snyder
Hobbs, NM 88240
(575) 964-8394

Caprock Maljamar Unit #283

1 INTRODUCTION

Linn Energy (Linn) has retained Diversified Field Service, Inc. (DFSI) to address environmental issues for the site detailed herein.

The site is located southeast of Maljamar, NM, in Lea County. The leak site resulted a failure of an injection line. A C-141 (Appendix I) was submitted to the NMOCD on January 28, 2015.

2 SITE ACTIVITIES

On January 28, 2015 DFSI personnel delineated down to the caprock of the leak area. Field samples were taken on six sample points, each sample was tested for chloride levels as well as BTEX. The BTEX samples were performed using a Mini Rae Photoionization Detector (PID). All 1' field samples were taken to Cardinal Lab of Hobbs to obtain confirmation samples. The results are attached (Appendix IV).

On April 14, 2015, DFSI personnel visited the site to begin the excavation process. The caliche pad was dug out 6" below ground surface (bgs). The affected pasture area was excavated to 1'bgs. Native topsoil was brought in to backfill the pasture area, and fresh caliche was brought in to backfill the pad. All contaminated soil and caliche was hauled to an approved disposal facility.

The location will be seeded with a BLM-OCD approved mix once approved by Linn Energy, Inc.

3 CONCLUSION

According to the U.S. Geological Survey and the NM Office of the State Engineer, there were no records of groundwater in the immediate vicinity, however depth to groundwater in the area averages greater than 150'bgs indicating no potential threat to groundwater or life forms.

Appendix I

INITIAL FORM C-141

Diversified Field Service, Inc.
206 W. Snyder
Hobbs, NM 88240
(575) 964-8394

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 Linn Operating Inc.	Contact E.L. Gonzales
Address 2130 W Bender Blvd Hobbs, NM 88240	Telephone No. 575-738-1739
Facility Name CMU C #283	Facility Type Injection

Surface Owner State	Mineral Owner	API No. 30-025-34193

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
O	28	17S	33E	1033	South	1975	East	Lea

Latitude 32.8011717539685 **Longitude** -103.666034130641

NATURE OF RELEASE

Type of Release Produced Water	Volume of Release 10 bbls	Volume Recovered 5bbls
Source of Release Steel pipeline	Date and Hour of Occurrence 01/28/2015	Date and Hour of Discovery 01/28/2015 7:20am
Was Immediate Notice Given? ☐ Yes ☐ No ☐ Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
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.* At appx 7:20am I received a phone call that I had an injection leak at CMU C#283. We got line shut in and dug down to find that it was leaking around the threads on the collar of the pipe. Line coming into injection well is a 2 3/8 steel plastic coated line. We stripped back one joint and replaced with fiber glass line.

Describe Area Affected and Cleanup Action Taken.* Appx 10bbls was spilled water ran about 192'ft from well head east to edge of location, and gathered just off location. The wind carried the mist east out in the pasture appx another 150'from the edge of location. Water misted out in the pasture on north side of location about 100' long and appx 110' wide. Clean up will be determined.

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:	OIL CONSERVATION DIVISION	
Printed Name: E.L. Gonzales	Approved by Environmental Specialist:	
Title: Production Supervisor	Approval Date:	Expiration Date:
E-mail Address: elgonzales@linnenergy.com	Conditions of Approval:	Attached ☐
Date: 01/28/2015 Phone: 505-504-8002		

* Attach Additional Sheets If Necessary

Appendix II

SITE PHOTOS

Diversified Field Service, Inc.
206 W. Snyder
Hobbs, NM 88240
(575) 964-8394

Linn Energy, CMU #283

Unit Letter O, Section 28, T17S R33E

Initial spill photos

Excavation on caliche pad

Excavation on pad and in pasture area

Backfilled pad and pasture area

Completely backfilled pad area

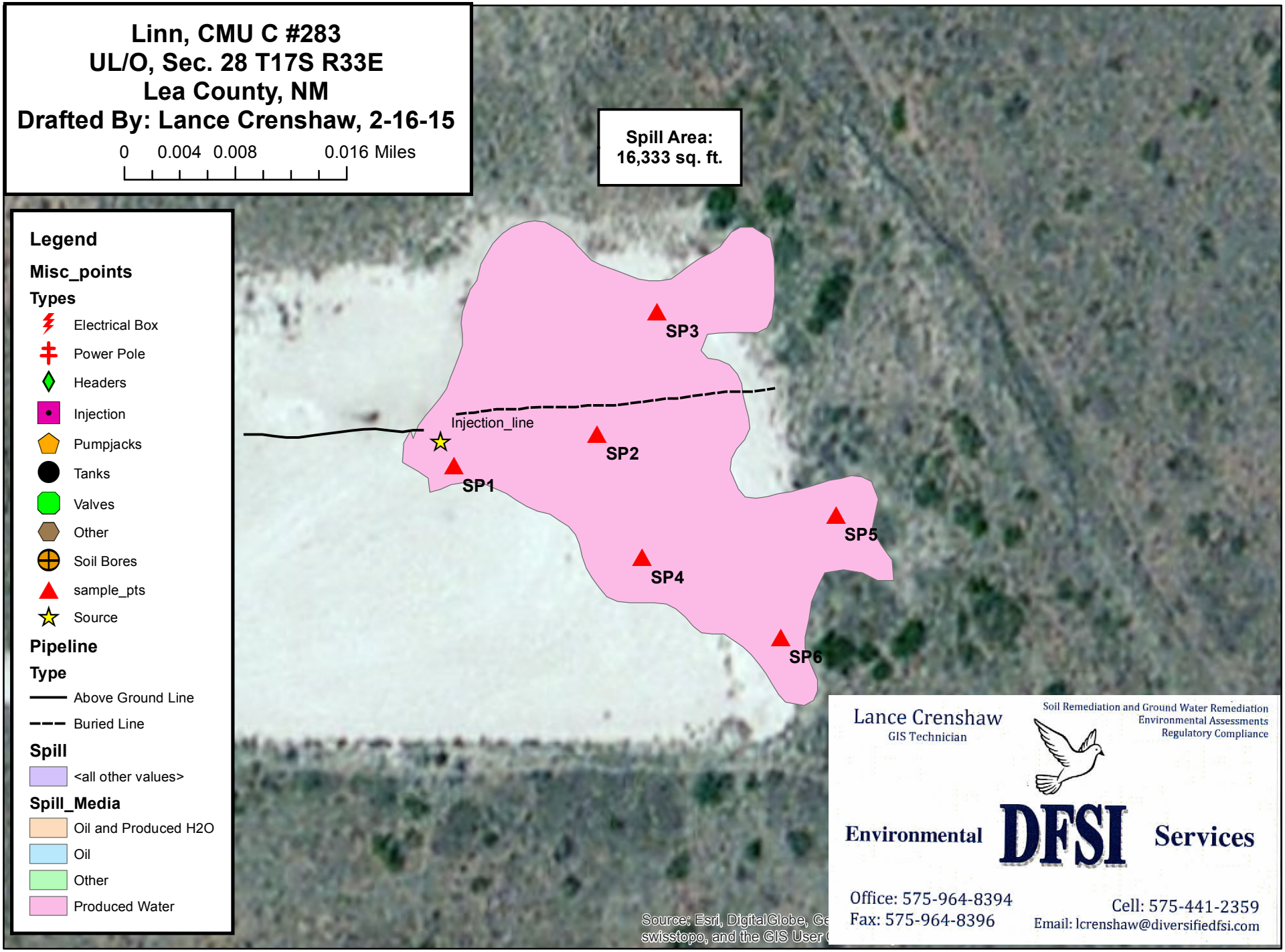
Completed location

Appendix III

SITE MAP

Diversified Field Service, Inc.
206 W. Snyder
Hobbs, NM 88240
(575) 964-8394

Site Diagram



Appendix IV

LABORATORY ANALYSES

Diversified Field Service, Inc.
206 W. Snyder
Hobbs, NM 88240
(575) 964-8394

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

February 05, 2015

JOE HERNANDEZ

LINN ENERGY

RR1, BOX 24 B

KINGFISHER, OK 73750

RE: CMU 283

Enclosed are the results of analyses for samples received by the laboratory on 01/30/15 11:10.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

LINN ENERGY
JOE HERNANDEZ
RR1, BOX 24 B
KINGFISHER OK, 73750
Fax To: (405) 375-6693

Received:	01/30/2015	Sampling Date:	01/30/2015
Reported:	02/05/2015	Sampling Type:	Soil
Project Name:	CMU 283	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP1 @ 1' (H500277-01)

BTEX 8021B mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2015	ND	1.84	92.2	2.00	2.11	
Toluene*	<0.050	0.050	02/02/2015	ND	1.75	87.5	2.00	3.16	
Ethylbenzene*	<0.050	0.050	02/02/2015	ND	1.66	82.9	2.00	3.88	
Total Xylenes*	<0.150	0.150	02/02/2015	ND	4.93	82.2	6.00	4.21	
Total BTEX	<0.300	0.300	02/02/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *61-154*

Chloride, SM4500Cl-B mg/kg Analyzed By: AP

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**960**	16.0	02/02/2015	ND	416	104	400	7.41	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/30/2015	ND	207	104	200	1.08	
DRO >C10-C28	<10.0	10.0	01/30/2015	ND	215	107	200	2.00	

Surrogate: 1-Chlorooctane *103 %* *47.2-157*

Surrogate: 1-Chlorooctadecane *124 %* *52.1-176*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

LINN ENERGY
JOE HERNANDEZ
RR1, BOX 24 B
KINGFISHER OK, 73750
Fax To: (405) 375-6693

Received:	01/30/2015	Sampling Date:	01/30/2015
Reported:	02/05/2015	Sampling Type:	Soil
Project Name:	CMU 283	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP2 @ 1' (H500277-02)

BTEX 8021B mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2015	ND	1.84	92.2	2.00	2.11	
Toluene*	<0.050	0.050	02/02/2015	ND	1.75	87.5	2.00	3.16	
Ethylbenzene*	<0.050	0.050	02/02/2015	ND	1.66	82.9	2.00	3.88	
Total Xylenes*	<0.150	0.150	02/02/2015	ND	4.93	82.2	6.00	4.21	
Total BTEX	<0.300	0.300	02/02/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *61-154*

Chloride, SM4500Cl-B mg/kg Analyzed By: AP

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**3320**	16.0	02/02/2015	ND	416	104	400	7.41	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/30/2015	ND	207	104	200	1.08	
DRO >C10-C28	<10.0	10.0	01/30/2015	ND	215	107	200	2.00	

Surrogate: 1-Chlorooctane *110 %* *47.2-157*

Surrogate: 1-Chlorooctadecane *124 %* *52.1-176*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

LINN ENERGY
JOE HERNANDEZ
RR1, BOX 24 B
KINGFISHER OK, 73750
Fax To: (405) 375-6693

Received:	01/30/2015	Sampling Date:	01/30/2015
Reported:	02/05/2015	Sampling Type:	Soil
Project Name:	CMU 283	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP3 @ 1' (H500277-03)

BTEX 8021B mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2015	ND	1.84	92.2	2.00	2.11	
Toluene*	<0.050	0.050	02/02/2015	ND	1.75	87.5	2.00	3.16	
Ethylbenzene*	<0.050	0.050	02/02/2015	ND	1.66	82.9	2.00	3.88	
Total Xylenes*	<0.150	0.150	02/02/2015	ND	4.93	82.2	6.00	4.21	
Total BTEX	<0.300	0.300	02/02/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID *100 %* *61-154*

Chloride, SM4500Cl-B mg/kg Analyzed By: AP

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**2080**	16.0	02/02/2015	ND	416	104	400	7.41	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/02/2015	ND	207	104	200	1.08	
DRO >C10-C28	<10.0	10.0	02/02/2015	ND	215	107	200	2.00	

Surrogate: 1-Chlorooctane *106 %* *47.2-157*

Surrogate: 1-Chlorooctadecane *119 %* *52.1-176*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

LINN ENERGY
JOE HERNANDEZ
RR1, BOX 24 B
KINGFISHER OK, 73750
Fax To: (405) 375-6693

Received:	01/30/2015	Sampling Date:	01/30/2015
Reported:	02/05/2015	Sampling Type:	Soil
Project Name:	CMU 283	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP4 @ 1' (H500277-04)

BTEX 8021B mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2015	ND	1.87	93.3	2.00	6.89	
Toluene*	<0.050	0.050	02/02/2015	ND	1.78	89.0	2.00	7.61	
Ethylbenzene*	<0.050	0.050	02/02/2015	ND	1.67	83.6	2.00	9.24	
Total Xylenes*	<0.150	0.150	02/02/2015	ND	5.01	83.5	6.00	9.64	
Total BTEX	<0.300	0.300	02/02/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.1 %* *61-154*

Chloride, SM4500Cl-B mg/kg Analyzed By: AP

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1330**	16.0	02/02/2015	ND	416	104	400	7.41	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/02/2015	ND	207	104	200	1.08	
DRO >C10-C28	<10.0	10.0	02/02/2015	ND	215	107	200	2.00	

Surrogate: 1-Chlorooctane *93.7 %* *47.2-157*

Surrogate: 1-Chlorooctadecane *106 %* *52.1-176*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

LINN ENERGY
JOE HERNANDEZ
RR1, BOX 24 B
KINGFISHER OK, 73750
Fax To: (405) 375-6693

Received:	01/30/2015	Sampling Date:	01/30/2015
Reported:	02/05/2015	Sampling Type:	Soil
Project Name:	CMU 283	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP5 @ 1' (H500277-05)

BTEX 8021B mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2015	ND	1.87	93.3	2.00	6.89	
Toluene*	<0.050	0.050	02/02/2015	ND	1.78	89.0	2.00	7.61	
Ethylbenzene*	<0.050	0.050	02/02/2015	ND	1.67	83.6	2.00	9.24	
Total Xylenes*	<0.150	0.150	02/02/2015	ND	5.01	83.5	6.00	9.64	
Total BTEX	<0.300	0.300	02/02/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID *100 %* *61-154*

Chloride, SM4500Cl-B mg/kg Analyzed By: AP

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1640**	16.0	02/02/2015	ND	416	104	400	7.41	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/02/2015	ND	207	104	200	1.08	
DRO >C10-C28	<10.0	10.0	02/02/2015	ND	215	107	200	2.00	

Surrogate: 1-Chlorooctane *102 %* *47.2-157*

Surrogate: 1-Chlorooctadecane *115 %* *52.1-176*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

LINN ENERGY
JOE HERNANDEZ
RR1, BOX 24 B
KINGFISHER OK, 73750
Fax To: (405) 375-6693

Received:	01/30/2015	Sampling Date:	01/30/2015
Reported:	02/05/2015	Sampling Type:	Soil
Project Name:	CMU 283	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP6 @ 1' (H500277-06)

BTEX 8021B mg/kg **Analyzed By: ms**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2015	ND	1.87	93.3	2.00	6.89	
Toluene*	<0.050	0.050	02/02/2015	ND	1.78	89.0	2.00	7.61	
Ethylbenzene*	<0.050	0.050	02/02/2015	ND	1.67	83.6	2.00	9.24	
Total Xylenes*	<0.150	0.150	02/02/2015	ND	5.01	83.5	6.00	9.64	
Total BTEX	<0.300	0.300	02/02/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *61-154*

Chloride, SM4500Cl-B mg/kg **Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1150**	16.0	02/02/2015	ND	416	104	400	7.41	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/02/2015	ND	207	104	200	1.08	
DRO >C10-C28	<10.0	10.0	02/02/2015	ND	215	107	200	2.00	

Surrogate: 1-Chlorooctane *104 %* *47.2-157*

Surrogate: 1-Chlorooctadecane *120 %* *52.1-176*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name: Linn
Project Manager: Lance Crenshaw
Address:
City: State: Zip:
Phone #: Fax #:
Project #: Project Owner:
Project Name: CMV-253
Project Location:
Sampler Name:

BILL TO
P.O. #:
Company: Linn
Attn: Joe Hernandez
Address:
City:
State: Zip:
Phone #:
Fax #:

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	Cl	BTEX	TPH
H500277																	
1	SP1@1'	G	1			X					X		1-30	8:40			
2	SP2@1'	G	1			X					X		1-30	8:48			
3	SP3@1'	G	1			X					X		1-30	8:59			
4	SP4@1'	G	1			X					X		1-30	9:10			
5	SP5@1'	G	1			X					X		1-30	9:16			
6	SP6@1'	G	1			X					X		1-30	9:23			

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: [signature] Date: 11/30/15 Time: 11:10
Received By: Jodi Henson
Relinquished By: Date: Time:
Received By:

Delivered By: (Circle One)
Sampler - UPS - Bus - Other: 4.4°C

Sample Condition: Cool: ☑ Yes ☐ No; Intact: ☑ Yes ☐ No
CHECKED BY: (Initials) JH

Phone Result: ☐ Yes ☐ No Add'l Phone #:
Fax Result: ☐ Yes ☐ No Add'l Fax #:
REMARKS:
E-mail Results To: mburton@diversifiedfsi.com lcrenshaw@diversifiedfsi.com
~~Ngladden@diversifiedfsi.com~~ ~~Rpons@diversifiedfsi.com~~ jhernandez@linnenergy.com

+ Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

#54

Appendix V

FINAL C-141

Diversified Field Service, Inc.
206 W. Snyder
Hobbs, NM 88240
(575) 964-8394

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
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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 Linn Operating Inc.	Contact E.L. Gonzales
Address 2130 W Bender Blvd Hobbs, NM 88240	Telephone No. 575-738-1739
Facility Name CMU C #283	Facility Type Injection

Surface Owner State	Mineral Owner	API No. 30-025-34193

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
O	28	17S	33E	1033	South	1975	East	Lea

Latitude 32.8011717539685 **Longitude** -103.666034130641

NATURE OF RELEASE

Type of Release Produced Water	Volume of Release 10 bbls	Volume Recovered 5bbls
Source of Release Steel pipeline	Date and Hour of Occurrence 01/28/2015	Date and Hour of Discovery 01/28/2015 7:20am
Was Immediate Notice Given? ☐ Yes ☐ No ☐ Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
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.* At appx 7:20am I received a phone call that I had an injection leak at CMU C#283. We got line shut in and dug down to find that it was leaking around the threads on the collar of the pipe. Line coming into injection well is a 2 3/8 steel plastic coated line. We stripped back one joint and replaced with fiber glass line.

Describe Area Affected and Cleanup Action Taken.* Appx 10bbls was spilled water ran about 192'ft from well head east to edge of location, and gathered just off location. The wind carried the mist east out in the pasture appx another 150'from the edge of location. Water misted out in the pasture on north side of location about 100' long and appx 110' wide.

On January 28, 2015 DFSI personnel delineated down to the caprock of the leak area. Field samples were taken on six sample points, each sample was tested for chloride levels as well as BTEX. The BTEX samples were performed using a Mini Rae Photoionization Detector (PID). All 1' field samples were taken to Cardinal Lab of Hobbs to obtain confirmation samples. The results are attached (Appendix IV). On April 14, 2015, DFSI personnel visited the site to begin the excavation process. The caliche pad was dug out 6" below ground surface (bgs). The affected pasture area was excavated to 1'bgs. Native topsoil was brought in to backfill the pasture area, and fresh caliche was brought in to backfill the pad. All contaminated soil and caliche was hauled to an approved disposal facility. The location will be seeded with a BLM-OCD approved mix once approved by Linn Energy, Inc.

According to the U.S. Geological Survey and the NM Office of the State Engineer, there were no records of groundwater in the immediate vicinity, however depth to groundwater in the area averages greater than 150'bgs indicating no potential threat to groundwater or life forms.

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:	OIL CONSERVATION DIVISION	
Printed Name: E.L. Gonzales	Approved by Environmental Specialist:	
Title: Production Supervisor	Approval Date:	Expiration Date:
E-mail Address: elgonzales@linnenergy.com	Conditions of Approval:	Attached ☐
Date: 04/27/2015 Phone: 505-504-8002		

* Attach Additional Sheets If Necessary