



# Linn Energy Turner A #43

## CLOSURE REPORT

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API No. 30-015-28793

Release Date: 6/15/2015

Unit Letter P, Section 18, Township 17 South, Range 31 East

February 11, 2016

**Prepared by:**

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

# Turner A #43

## 1 INTRODUCTION

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

The site is located northeast of Loco Hills, in Eddy County. This leak site resulted from the stuffing box wearing out, causing a small leak. The release was approximately 6 bbls of oil and 2 bbls of produced water and was on the south side of the pumping unit about 20' long and 15' wide. The spill was contained by a berm around the location. A vacuum truck recovered 4 bbls of oil and 2 bbls of produced water. A form C-141 was submitted to the NMOCD on June 15, 2015 (Appendix I).

## 2 SITE ACTIVITIES

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Diversified Field Services responded to the spill and scraped up the contaminated area on the pad. All contaminated materials were hauled to an approved NM state facility. DFSI personnel then sampled four points of the spill area. These samples were field tested for chloride levels as well as BTEX. The BTEX samples were performed using a Mini Rae Photoionization Detector (PID). All clean samples were submitted to Cardinal Labs of Hobbs, NM.

On November 6, 2015, DFSI personnel returned to the location to delineate SP #1 and SP #2. Two bore holes were drilled for these sample points. Those results are attached.

In accordance with the BLM and OCD, a condition of approval for remediation of the location was to remove 1' of contaminated material in the area identified as SP1. DFSI personnel removed 1' of contaminated material in this location of the spill, and backfilled with fresh caliche. The site was returned to its previous state.

Photos can be viewed in Appendix II.

## 3 CONCLUSION

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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 220 ft. bgs indicating no potential threat to groundwater or life forms (Appendix III).

# Appendix I

INITIAL FORM C-141

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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	Turner A #43	Facility Type	Oil Producer
Surface Owner	Federal	Mineral Owner	API No. 30-015-28793

### LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
P	18	17S	31E	50	South	1250	East	Eddy

Latitude 32.8274123769042 Longitude -103.904628477667

### NATURE OF RELEASE


Type of Release	Oil / Produced Water	Volume of Release	2bbls / 6bbls	Volume Recovered	2bbls / 4bbls
Source of Release	Stuffing box	Date and Hour of Occurrence	06/15/2015	Date and Hour of Discovery	06/15/2015 11:30pm
Was Immediate Notice Given?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?			
By Whom?	Date and Hour				
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.\* Packing of stuffing box was wore out, made a small mess. Spilled about 8bbls. Of oil and produce water, and rain water mixture on the ground. The spill was on the south side of the pumping unit about 20 ft. long and about 15 ft. wide. The spill was contained by a berm around the location.

Describe Area Affected and Cleanup Action Taken.\* Vacuum truck suck up the mess and take it to disposal.

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: E.L. Gonzales	Approved by Environmental Specialist:		
Title: Production Supervisor	Approval Date:	Expiration Date:	
E-mail Address: elgonzales@linenergy.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: 06/18/2015	Phone: 505-504-8002		

\* Attach Additional Sheets If Necessary

# Appendix II

## SITE PHOTOS

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# Linn Energy, Turner A #43

Unit Letter P, Section 18, T17S R31E



Sign marking location



Spill location on pad





Spill location on pad



Scraping spill on pad



Scraping spill area around lines, wellhead



Digging out contaminated material around SP1





Excavated area around SP1



Completed location with fresh caliche for backfill

# Appendix III

## SITE MAP

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



# Site Diagram

Linn, Turner A 43  
Sec. 18 T17S R31E  
Eddy County, NM  
Drafted By: Lance Crenshaw, 6-16-15

0 0.005 0.01 0.02 Miles  
|-----|-----|-----|-----|

## Legend



### Misc\_points

#### Types


-  Electrical Box
-  Power Pole
-  Headers
-  Injection
-  Pumpjacks
-  Tanks
-  Valves
-  Other
-  Soil Bores
-  sample\_pts
-  Source

### Pipeline





#### Type

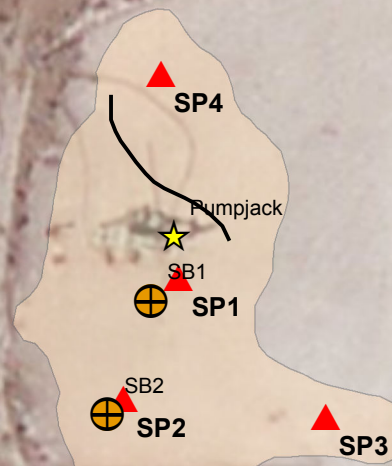
-  Above Ground Line
-  Buried Line

### Spill

-  <all other values>

### Spill\_Media

-  Oil and Produced H2O
-  Oil
-  Other
-  Produced Water



Spill Area:  
13,465 sq. ft.

Lance Crenshaw  
GIS Technician

Soil Remediation and Ground Water Remediation  
Environmental Assessments  
Regulatory Compliance



Environmental

**DFSI**

Services

Office: 575-964-8394  
Fax: 575-964-8396

Cell: 575-441-2359  
Email: lcrenshaw@diversifiedfsi.com

Source: Esri, DigitalGlobe, GeoEye, i-cub  
swisstopo, and the GIS User Community

# Appendix IV

## LABORATORY ANALYSES

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



Diversified Environmental Services

Company Name: LINN ENERGY  
Location Name: TURNER A #43

SP Date: 6/30/2015 11/5/2015  
Rel Date:

SP1	CHL	PID	SP2	CHL	PID	SP3	CHL	PID	SP4	CHL	PID	SP5	CHL	TPH
SURF	14,495	20.9	SURF	749	0	SURF	424	0	SURF	499	0			
1'	3124	20.2	1'	502	0.7									
2'	1874	12.4	2'	489	0									
3'	1849	0	3'	1,673	0.1									
4'	2999	0	4'	2,244	0									
5'	3049	0	5'	4,784	0.1									
6'	1999	0	6'	703	0									
7'	1399	0	7'	525	0									
8'	1024	0												
9'	874	0												
10'	481		7'	608										
10'	352													

	Lab Confirmation Sample
	Field Sampling
	Needs Delineation and confirmation samples



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

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November 09, 2015

DENNIS POTTER

LINN OPERATING-HOBBS

2130 W. BENDER

HOBBS, NM 88240

RE: TURNER A # 43

Enclosed are the results of analyses for samples received by the laboratory on 11/06/15 8:15.

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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited 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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager

**Analytical Results For:**

LINN OPERATING-HOBBS  
 DENNIS POTTER  
 2130 W. BENDER  
 HOBBS NM, 88240  
 Fax To: (575) 738-1740

Received:	11/06/2015	Sampling Date:	11/05/2015
Reported:	11/09/2015	Sampling Type:	Soil
Project Name:	TURNER A # 43	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN		

**Sample ID: SAMPLE POINT 1 @ 10' (H502943-01)**

BTX 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	11/07/2015	ND	2.01	100	2.00	0.639	
Toluene*	<0.050	0.050	11/07/2015	ND	2.24	112	2.00	0.639	
Ethylbenzene*	<0.050	0.050	11/07/2015	ND	2.05	102	2.00	0.423	
Total Xylenes*	<0.150	0.150	11/07/2015	ND	6.52	109	6.00	0.558	
Total BTX	<0.300	0.300	11/07/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.6-140

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	11/06/2015	ND	400	100	400	0.00	

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	11/06/2015	ND	207	104	200	3.66	
DRO >C10-C28	<10.0	10.0	11/06/2015	ND	214	107	200	2.38	

Surrogate: 1-Chlorooctane 83.0 % 35-147

Surrogate: 1-Chlorooctadecane 92.9 % 28-171

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 LINN OPERATING-HOBBS  
 DENNIS POTTER  
 2130 W. BENDER  
 HOBBS NM, 88240  
 Fax To: (575) 738-1740

 Received: 11/06/2015  
 Reported: 11/09/2015  
 Project Name: TURNER A # 43  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

 Sampling Date: 11/05/2015  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Celey D. Keene

**Sample ID: SAMPLE POINT 2 @ 7' (H502943-02)**

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	11/07/2015	ND	2.01	100	2.00	0.639	
Toluene*	<0.050	0.050	11/07/2015	ND	2.24	112	2.00	0.639	
Ethylbenzene*	<0.050	0.050	11/07/2015	ND	2.05	102	2.00	0.423	
Total Xylenes*	<0.150	0.150	11/07/2015	ND	6.52	109	6.00	0.558	
Total BTEx	<0.300	0.300	11/07/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	608	16.0	11/06/2015	ND	400	100	400	0.00	

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	11/06/2015	ND	207	104	200	3.66	
DRO >C10-C28	<10.0	10.0	11/06/2015	ND	214	107	200	2.38	

Surrogate: 1-Chlorooctane 83.8 % 35-147

Surrogate: 1-Chlorooctadecane 97.6 % 28-171

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



**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

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Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



\*RUSH\*

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(575) 393-2326 FAX (575) 393-2476

Page 5 of 5



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

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July 07, 2015

DENNIS POTTER

LINN OPERATING-HOBBS

2130 W. BENDER

HOBBS, NM 88240

RE: TURNER A # 43

Enclosed are the results of analyses for samples received by the laboratory on 06/30/15 16:25.

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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited 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,

A handwritten signature in black ink that reads "Hope S. Moreno". The signature is written in a cursive, flowing style.

Hope S. Moreno For Celey D. Keene

Lab Director/Quality Manager

**Analytical Results For:**LINN OPERATING-HOBBS  
DENNIS POTTER  
2130 W. BENDER  
HOBBS NM, 88240  
Fax To: (575) 738-1740Received: 06/30/2015  
Reported: 07/07/2015  
Project Name: TURNER A # 43  
Project Number: NONE GIVEN  
Project Location: NOT GIVENSampling Date: 06/30/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson**Sample ID: SP.1 @ 9' (H501688-01)**

BTX 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	07/02/2015	ND	2.27	114	2.00	2.86	
Toluene*	<0.050	0.050	07/02/2015	ND	2.03	101	2.00	3.09	
Ethylbenzene*	<0.050	0.050	07/02/2015	ND	1.92	96.0	2.00	5.36	
Total Xylenes*	<0.150	0.150	07/02/2015	ND	5.76	96.0	6.00	5.18	
Total BTX	<0.300	0.300	07/02/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	1170	16.0	07/02/2015	ND	432	108	400	3.77	

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	07/02/2015	ND	198	98.8	200	4.52	
DRO >C10-C28	<10.0	10.0	07/02/2015	ND	211	106	200	4.94	

Surrogate: 1-Chlorooctane 92.8 % 47.2-157

Surrogate: 1-Chlorooctadecane 98.2 % 52.1-176

Cardinal Laboratories

\*=Accredited Analyte

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Hope S. Moreno For Caley D. Keene, Lab Director/Quality Manager



**Analytical Results For:**

 LINN OPERATING-HOBBS  
 DENNIS POTTER  
 2130 W. BENDER  
 HOBBS NM, 88240  
 Fax To: (575) 738-1740

 Received: 06/30/2015  
 Reported: 07/07/2015  
 Project Name: TURNER A # 43  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

 Sampling Date: 06/30/2015  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: SP.2 @ SURFACE (H501688-02)**

BTX 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	07/02/2015	ND	2.27	114	2.00	2.86	
Toluene*	<0.050	0.050	07/02/2015	ND	2.03	101	2.00	3.09	
Ethylbenzene*	<0.050	0.050	07/02/2015	ND	1.92	96.0	2.00	5.36	
Total Xylenes*	<0.150	0.150	07/02/2015	ND	5.76	96.0	6.00	5.18	
Total BTX	<0.300	0.300	07/02/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	832	16.0	07/02/2015	ND	432	108	400	3.77	

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	07/02/2015	ND	198	98.8	200	4.52	
DRO >C10-C28	<10.0	10.0	07/02/2015	ND	211	106	200	4.94	

Surrogate: 1-Chlorooctane 86.1 % 47.2-157

Surrogate: 1-Chlorooctadecane 87.3 % 52.1-176

Cardinal Laboratories

\*=Accredited Analyte

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Hope S. Moreno For Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 LINN OPERATING-HOBBS  
 DENNIS POTTER  
 2130 W. BENDER  
 HOBBS NM, 88240  
 Fax To: (575) 738-1740

 Received: 06/30/2015  
 Reported: 07/07/2015  
 Project Name: TURNER A # 43  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

 Sampling Date: 06/30/2015  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: SP.3 @ SURFACE (H501688-03)**

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	07/02/2015	ND	2.27	114	2.00	2.86	
Toluene*	<0.050	0.050	07/02/2015	ND	2.03	101	2.00	3.09	
Ethylbenzene*	<0.050	0.050	07/02/2015	ND	1.92	96.0	2.00	5.36	
Total Xylenes*	<0.150	0.150	07/02/2015	ND	5.76	96.0	6.00	5.18	
Total BTEx	<0.300	0.300	07/02/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/02/2015	ND	432	108	400	3.77		

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	07/02/2015	ND	198	98.8	200	4.52	
DRO >C10-C28	<10.0	10.0	07/02/2015	ND	211	106	200	4.94	

Surrogate: 1-Chlorooctane 87.9 % 47.2-157

Surrogate: 1-Chlorooctadecane 85.4 % 52.1-176

Cardinal Laboratories

\*=Accredited Analyte

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 client for 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 thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Hope S. Moreno For Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**LINN OPERATING-HOBBS  
DENNIS POTTER  
2130 W. BENDER  
HOBBS NM, 88240  
Fax To: (575) 738-1740Received: 06/30/2015  
Reported: 07/07/2015  
Project Name: TURNER A # 43  
Project Number: NONE GIVEN  
Project Location: NOT GIVENSampling Date: 06/30/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson**Sample ID: SP.4 @ SURFACE (H501688-04)**

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	07/02/2015	ND	2.27	114	2.00	2.86	
Toluene*	<0.050	0.050	07/02/2015	ND	2.03	101	2.00	3.09	
Ethylbenzene*	<0.050	0.050	07/02/2015	ND	1.92	96.0	2.00	5.36	
Total Xylenes*	<0.150	0.150	07/02/2015	ND	5.76	96.0	6.00	5.18	
Total BTEx	<0.300	0.300	07/02/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	128	16.0	07/02/2015	ND	432	108	400	3.77		

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	07/02/2015	ND	198	98.8	200	4.52	
DRO >C10-C28	<10.0	10.0	07/02/2015	ND	211	106	200	4.94	

Surrogate: 1-Chlorooctane 88.3 % 47.2-157

Surrogate: 1-Chlorooctadecane 89.5 % 52.1-176

Cardinal Laboratories

\*=Accredited Analyte

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**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

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Cardinal Laboratories

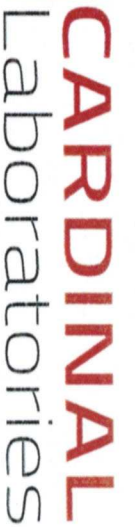
\*=Accredited Analyte

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Hope S. Moreno For Celey D. Keene, Lab Director/Quality Manager



## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: <b>Linn Energy</b>		P.O. #:	
Project Manager: <b>MIKE BURTON</b>		Company: <b>Linn Energy</b>	
Address:		Attn: <b>DENNIS PORTER</b>	
City:	State:	City:	State:
Phone #:	Fax #:	City:	State:
Project #:		City:	State:
Project Name:		City:	State:
Project Location: <b>Turner A #43</b>		Phone #:	Zip:
Sampler Name: <b>JASON LONG</b>		Fax #:	

FOR LAB USE ONLY		BILL TO		ANALYSIS REQUEST		
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV.	SAMPLING
				GROUNDWATER		
				WASTEWATER		
				SOIL		
				OIL		
				SLUDGE		
				OTHER :		
				ACID/BASE:		
				ICE / COOL		
				OTHER :		
				DATE	TIME	

1	SP1 @ 9'	1	6-30-15	10:38	X	CL	B-tex												
2	SP2 @ SURF	1	6-30-15	10:41	X	TPH	X												
3	SP3 @ SURF	1	6-30-15	10:45	X	X	X												
4	SP4 @ SURF	1	6-30-15	10:50	X	X	X												

Relinquished By:	Date: <b>6/30/15</b>	Received By:	Date: <b>6/30/15</b>
Relinquished By: <b>JASON LONG</b>	Time: <b>4:35</b>	Received By: <b>DENNIS PORTER</b>	Time: <b>4:40</b>

Delivered By: (Circle One)	Sample Condition	CHECKED BY: (Initials)
<input checked="" type="checkbox"/> UPS <input type="checkbox"/> Bus <input type="checkbox"/> Other:	<input checked="" type="checkbox"/> Cool <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	<b>MB</b>

Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:

REMARKS: **ICRENSHAW@DIVERSIFIEDSI.COM**  
**MBURTON@DIVERSIFIEDSI.COM**



# Appendix V

FINAL C-141

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

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, 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 October 10, 2003

Submit 2 Copies to appropriate  
District Office in accordance  
with Rule 116 on back  
side of form

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	Turner A #43	Facility Type	Oil Producer
Surface Owner	Federal	Mineral Owner	
		Lease No.	30-015-28793

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
P	18	17S	31E	50	S	1250	E	Eddy

Latitude 32.8274123769042 Longitude -103.904628477667

NATURE OF RELEASE

Type of Release	Oil/Produced Water	Volume of Release	2 bbls/6 bbls	Volume Recovered	2 bbls/4 bbls
Source of Release	Stuffing Box	Date and Hour of Occurrence	6/15/15	Date and Hour of Discovery	6/15/15
Was Immediate Notice Given?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?			
By Whom?	Date and Hour				
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			

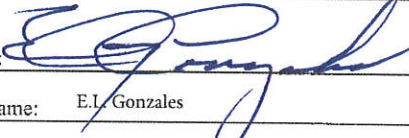
If a Watercourse was Impacted, Describe Fully.\*

Describe Cause of Problem and Remedial Action Taken.\*

Packing of stuffing box was wore out, made a small mess. Spilled about 8 bbls of oil and produced water, and rain mixture on the ground. The spill was on the south side of the pumping unit about 20' long and 15' wide. The spill was contained by a berm around the location.

Describe Area Affected and Cleanup Action Taken.\* Vacuum truck sucked up the standing fluid. DFSI personnel scraped the pad area to minimize environmental impact. DFSI personnel then dug out 1' of contaminated material around the well head and backfilled with fresh caliche. The location was restored to its previous state.

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 District Supervisor:		
Title: Production Supervisor	Approval Date:	Expiration Date:	
E-mail Address: elgonzales@linenergy.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: 2/11/16	Phone: 505-504-8002		

\* Attach Additional Sheets If Necessary



# *New Mexico Office of the State Engineer* **Water Column/Average Depth to Water**

No records found.

**PLSS Search:**

**Section(s):** 18

**Township:** 17S

**Range:** 31E