

JL Keel B #007

CLOSURE REPORT

API No. 30-015-05108

Release Date: March 3, 2014

Unit Letter C, Section 8, Township 17 South, Range 31 East

June 1, 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

- 1 Introduction
- 2 Site Activities
- 3 Conclusion

APPENDICES

Appendix I – Initial Form C-141

Appendix II – Site Photos

Appendix III – Site Map

Appendix IV – Laboratory Analyses

Appendix V – Seed Report

Appendix VI – Arch Survey

Appendix VII – Final C-141

Linn Energy June 1, 2015

Linn Energy JL Keel B #007

1 Introduction

Linn Energy has retained Diversified Environmental (DFSI) to address environmental issues for the site detailed herein.

The site is located southwest of Maljamar, NM, in Eddy County. The leak site resulted from a hydrocarbon and produced water leak. The source of the leak was never determined. Fluids were released to surface due to an unknown source. A C-141 was submitted to the NMOCD on March 6, 2014 (2RP-2209). The C-141 is attached (Appendix I).

2 SITE ACTIVITIES

On April 2, 2014, DFSI ordered an Arch Survey from Boone Arch Surveys. At that time the site was found to be negative of any artifacts. On June 26, 2014, DFSI employees delineated the site, which eight samples points were taken. All of the sample points were confirmed below the reportable levels. The results are attached (Appendix IV).

Field samples were taken on eight 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 clean field samples found under the BLM/NMOCD standards, were taken to Cardinal Lab of Hobbs to obtain confirmation samples

On March 9, 2015, DFSI personnel revisited and resampled the spill area. The site was sampled near the original eight sample points using the same methods as above. All field data and Lab data is attached.

DFSI personnel revisited the location to begin remediation and excavation. The areas of sample points 1,2 and 3 were scraped to 6" bgs, since these sample points were on the lease road. Fresh caliche was brought in to backfill this area after excavation. All contaminated soil was hauled to an approved state disposal.

The area in the pasture was blended and re-contoured with the surrounding terrain to help stop the erosion of the pasture lands. The impacted pasture area was then reseeded with 40 pounds of BLM approved LPC seed mix.

Linn Energy June 1, 2015

3 CONCLUSION

According to the U.S. Geological Survey and the NM Office of the State Engineer, depth to groundwater in the area averages greater than 227 ft. bgs. Based on the removal of soils containing elevated chloride and hydrocarbon impact, DFSI Environmental, on behalf of Cimarex, respectfully requests the closure of this regulatory file.

Appendix I

INITIAL FORM C-141

District 1
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 IY
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources

MAR 06 2014

RECEIVED

Form C-141 Revised August 8, 2011

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Submit 1 Copy to appropriate District Office in NMOCD ARTACONAINCE with 19.15.29 NMAC.

Release Notification and Corrective Action nHMP1407240205 **OPERATOR** ☐ Initial Report Final Report Name of Company Linn Operating, Inc. Contact: Brian Wall 149324 Telephone No.575-738-1739 Address 2130 W. Bender Hobbs, NM 88240 Facility Name JL Keel B 007 Facility Type Injection Surface Owner Federal Mineral Owner Federal API No. 30-015-05108 LOCATION OF RELEASE Feet from the East/West Line County Eddy Unit Letter Township Range Feet from the North/South Line Section 1980 WL 178 31E 660 Latitude 32.86647 Longitude 103.8571 **NATURE OF RELEASE** Type of Release Crude oil and produced water Volume of Release Unknown Volume Recovered 0 Source of Release Unknown Date and Hour of Occurrence Date and Hour of Discovery Unknown If YES, To Whom? Was Immediate Notice Given? **BLM** By Whom? Date and Hour Unknown Was a Watercourse Reached? If YES, Volume Impacting the Watercourse. ☐ Yes ☒ No If a Watercourse was Impacted, Describe Fully,* NA Describe Cause of Problem and Remedial Action Taken.* Unknown cause Describe Area Affected and Cleanup Action Taken.* Fluids were released to surface due to unknown source. Impacted area is visible on location pad, lease road and pasture area. DFSI will remediate. Impacted soils will be removed to an NMOCD approved facility. Lab confirmations submitted to commercial lab. Pasture area will be restored to natural Closure will be filed according to NMOCD and BLM guidelines. 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 Approved by Environmental Specialist: Printed Name: Brian Wall Approval Date: 3-13-14 Title: Construction Foreman II **Expiration Date:** E-mail Address: bwall@linnencrgy.com Conditions of Approval: Attached kemediation per ОСD кије & Guidelines, & Date: 3/4/14
Attach Additional Sheets If Necessary Phone: 806-367-0645 like approval by BLM. SUBMIT REMEDIATION PROPOSAL NO LATER THAN:

4-13-14

Bratcher, Mike, EMNRD

From:

Rebecca Pons rpons@diversifiedfsi.com>

Sent:

Thursday, March 06, 2014 9:27 AM

To:

Mike Burton (mburton@blm.gov); Bratcher, Mike, EMNRD

Cc:

Natalie Gladden; Michael Patterson

Subject:

Filing and notification of two Linn Energy Sites

Attachments:

JL Keel B 36 and 7.pdf

Good Morning Gentlemen,

I have attached Signed C-141's for the following two sites. JL Keel B #036 and JL Keel B #007. Please review and assist me with the proper filing on line with the NMOCD, so that I may have the proper RP numbers associated with them for the closure reports. Please don't hesitate to contact with your questions or concerns.

Thank you so much for your help in this matter.

Rebecca

Appendix II

SITE PHOTOS



Linn Energy JL Keel B #007

Photo Page



Spill area in lease road with sample points



Spill area in pasture



Spill area in pasture with sample points



Spill area on caliche road



Excavating in caliche road area



Excavating pasture area



Completed pasture area after reseeding



Completed pasture area after reseeding

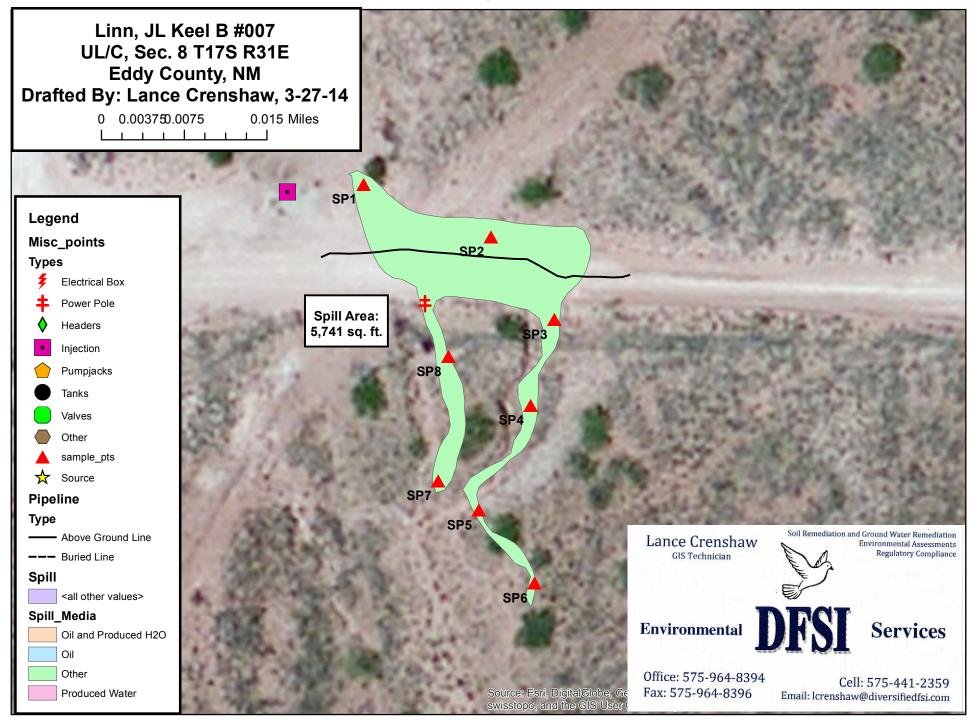


Completed caliche road area

Appendix III

SITE MAP

Site Diagram



Appendix IV

LABORATORY ANALYSES



March 11, 2015

DENNIS POTTER LINN OPERATING-HOBBS 2130 W. BENDER HOBBS, NM 88240

RE: J. L. KEEL B #007

Enclosed are the results of analyses for samples received by the laboratory on 03/09/15 16:12.

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/ga/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)

Celey D. Keine

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

Lab Director/Quality Manager



LINN OPERATING-HOBBS DENNIS POTTER 2130 W. BENDER HOBBS NM, 88240

Fax To: (575) 738-1740

Received: 03/09/2015 Sampling Date: 03/09/2015 Reported: 03/11/2015 Sampling Type: Soil

Project Name: J. L. KEEL B #007 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: NOT GIVEN

Sample ID: SP. 1 @ 2' (H500646-01)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/10/2015	ND	2.10	105	2.00	1.08	
Toluene*	< 0.050	0.050	03/10/2015	ND	1.92	96.1	2.00	1.13	
Ethylbenzene*	<0.050	0.050	03/10/2015	ND	2.23	112	2.00	0.897	
Total Xylenes*	<0.150	0.150	03/10/2015	ND	6.10	102	6.00	0.213	
Total BTEX	<0.300	0.300	03/10/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 %	61-154	!						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	03/10/2015	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/10/2015	ND	193	96.5	200	1.64	
DRO >C10-C28	<10.0	10.0	03/10/2015	ND	203	102	200	0.942	
Surrogate: 1-Chlorooctane	91.9 9	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	101 9	6 52.1-17	6						

Cardinal Laboratories *=Accredited Analyte

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LINN OPERATING-HOBBS DENNIS POTTER 2130 W. BENDER HOBBS NM, 88240

Fax To: (575) 738-1740

Received: 03/09/2015 Sampling Date: 03/09/2015

Reported: 03/11/2015 Sampling Type: Soil

Project Name: J. L. KEEL B #007 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: NOT GIVEN

Sample ID: SP. 2 @ 1' (H500646-02)

BTEX 8021B	mg/	kg	Analyze	ed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/10/2015	ND	2.10	105	2.00	1.08	
Toluene*	<0.050	0.050	03/10/2015	ND	1.92	96.1	2.00	1.13	
Ethylbenzene*	<0.050	0.050	03/10/2015	ND	2.23	112	2.00	0.897	
Total Xylenes*	<0.150	0.150	03/10/2015	ND	6.10	102	6.00	0.213	
Total BTEX	<0.300	0.300	03/10/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 %	61-154	1						
Chloride, SM4500Cl-B	mg/	kg	Analyze	ed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	03/10/2015	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/10/2015	ND	193	96.5	200	1.64	
DRO >C10-C28	<10.0	10.0	03/10/2015	ND	203	102	200	0.942	
Surrogate: 1-Chlorooctane	87.7	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	94.8	% 52.1-17	6						

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LINN OPERATING-HOBBS DENNIS POTTER 2130 W. BENDER HOBBS NM, 88240

Fax To: (575) 738-1740

Received: 03/09/2015 Sampling Date: 03/09/2015

Reported: 03/11/2015 Sampling Type: Soil

Project Name: J. L. KEEL B #007 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: NOT GIVEN

Sample ID: SP. 3 @ 1' (H500646-03)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/10/2015	ND	2.10	105	2.00	1.08	
Toluene*	<0.050	0.050	03/10/2015	ND	1.92	96.1	2.00	1.13	
Ethylbenzene*	<0.050	0.050	03/10/2015	ND	2.23	112	2.00	0.897	
Total Xylenes*	<0.150	0.150	03/10/2015	ND	6.10	102	6.00	0.213	
Total BTEX	<0.300	0.300	03/10/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	117 %	61-154	!						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	03/10/2015	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/10/2015	ND	193	96.5	200	1.64	
DRO >C10-C28	<10.0	10.0	03/10/2015	ND	203	102	200	0.942	
Surrogate: 1-Chlorooctane	90.6	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	99.8	% 52.1-17	6						

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Fax To: (575) 738-1740

Received: 03/09/2015 Sampling Date: 03/09/2015

Reported: 03/11/2015 Sampling Type: Soil

Project Name: J. L. KEEL B #007 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: NOT GIVEN

Sample ID: SP. 4 @ SURFACE (H500646-04)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/10/2015	ND	2.10	105	2.00	1.08	
Toluene*	<0.050	0.050	03/10/2015	ND	1.92	96.1	2.00	1.13	
Ethylbenzene*	<0.050	0.050	03/10/2015	ND	2.23	112	2.00	0.897	
Total Xylenes*	<0.150	0.150	03/10/2015	ND	6.10	102	6.00	0.213	
Total BTEX	<0.300	0.300	03/10/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 %	61-154	!						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/10/2015	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/10/2015	ND	193	96.5	200	1.64	
DRO >C10-C28	<10.0	10.0	03/10/2015	ND	203	102	200	0.942	
Surrogate: 1-Chlorooctane	89.7	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	97.9	% 52.1-17	6						

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LINN OPERATING-HOBBS DENNIS POTTER 2130 W. BENDER HOBBS NM, 88240

Fax To: (575) 738-1740

Received: 03/09/2015 Sampling Date: 03/09/2015

Reported: 03/11/2015 Sampling Type: Soil

Project Name: J. L. KEEL B #007 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: NOT GIVEN

Sample ID: SP. 5 @ SURFACE (H500646-05)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/11/2015	ND	2.10	105	2.00	1.08	
Toluene*	< 0.050	0.050	03/11/2015	ND	1.92	96.1	2.00	1.13	
Ethylbenzene*	<0.050	0.050	03/11/2015	ND	2.23	112	2.00	0.897	
Total Xylenes*	<0.150	0.150	03/11/2015	ND	6.10	102	6.00	0.213	
Total BTEX	<0.300	0.300	03/11/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 %	61-154	!						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/10/2015	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/10/2015	ND	193	96.5	200	1.64	
DRO >C10-C28	<10.0	10.0	03/10/2015	ND	203	102	200	0.942	
Surrogate: 1-Chlorooctane	92.3 9	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	98.3	% 52.1-17	6						

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LINN OPERATING-HOBBS DENNIS POTTER 2130 W. BENDER HOBBS NM, 88240

Fax To: (575) 738-1740

Received: 03/09/2015 Sampling Date: 03/09/2015

Reported: 03/11/2015 Sampling Type: Soil

Project Name: J. L. KEEL B #007 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: NOT GIVEN

Sample ID: SP. 6 @ SURFACE (H500646-06)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/11/2015	ND	2.10	105	2.00	1.08	
Toluene*	<0.050	0.050	03/11/2015	ND	1.92	96.1	2.00	1.13	
Ethylbenzene*	<0.050	0.050	03/11/2015	ND	2.23	112	2.00	0.897	
Total Xylenes*	<0.150	0.150	03/11/2015	ND	6.10	102	6.00	0.213	
Total BTEX	<0.300	0.300	03/11/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	116 %	6 61-154	!						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/10/2015	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/10/2015	ND	193	96.5	200	1.64	
DRO >C10-C28	<10.0	10.0	03/10/2015	ND	203	102	200	0.942	
Surrogate: 1-Chlorooctane	90.8 9	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	94.79	52.1-17	6						

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

Received: 03/09/2015 Sampling Date: 03/09/2015

Reported: 03/11/2015 Sampling Type: Soil

Project Name: J. L. KEEL B #007 Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Jodi Henson

Project Location: **NOT GIVEN**

Sample ID: SP. 7 @ SURFACE (H500646-07)

BTEX 8021B	mg/	kg	Analyze	ed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/11/2015	ND	2.10	105	2.00	1.08	
Toluene*	< 0.050	0.050	03/11/2015	ND	1.92	96.1	2.00	1.13	
Ethylbenzene*	<0.050	0.050	03/11/2015	ND	2.23	112	2.00	0.897	
Total Xylenes*	<0.150	0.150	03/11/2015	ND	6.10	102	6.00	0.213	
Total BTEX	<0.300	0.300	03/11/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 %	% 61-154	1						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	ed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/10/2015	ND	416	104	400	0.00	
TPH 8015M	mg/	'kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/10/2015	ND	193	96.5	200	1.64	
DRO >C10-C28	<10.0	10.0	03/10/2015	ND	203	102	200	0.942	
Surrogate: 1-Chlorooctane	81.9	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	90.4	% 52.1-17	6						

Surrogate: 1-Chlorooctadecane

Cardinal Laboratories *=Accredited Analyte

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LINN OPERATING-HOBBS DENNIS POTTER 2130 W. BENDER HOBBS NM, 88240

Fax To: (575) 738-1740

Received: 03/09/2015 Sampling Date: 03/09/2015

Reported: 03/11/2015 Sampling Type: Soil

Project Name: J. L. KEEL B #007 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: NOT GIVEN

Sample ID: SP. 8 @ SURFACE (H500646-08)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/11/2015	ND	2.10	105	2.00	1.08	
Toluene*	<0.050	0.050	03/11/2015	ND	1.92	96.1	2.00	1.13	
Ethylbenzene*	<0.050	0.050	03/11/2015	ND	2.23	112	2.00	0.897	
Total Xylenes*	<0.150	0.150	03/11/2015	ND	6.10	102	6.00	0.213	
Total BTEX	<0.300	0.300	03/11/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	116 %	61-154							
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/10/2015	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/11/2015	ND	193	96.5	200	1.64	
DRO >C10-C28	<10.0	10.0	03/11/2015	ND	203	102	200	0.942	
Surrogate: 1-Chlorooctane	87.0 9	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	93.4 9	52.1-17	6						

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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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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: C, MM I=NEYOG		BILL TO	NA.	ANALYSIS REQUEST
Project Manager: M, WE BUTTON		P.O. #:		
Address:		Company: LINN ITHERSH		
City: State:	Zip:	Allin: Devise BAYET		
Phone #: Fax #:		Address:		
Project #: Project Owner:		City:		
Project Name:	60	State: Zip:		
Project Location: TU KERL B#7	77	*		
Sampler Name: TOLON LONG		Fax#:		
FOR LAB USE ONLY	MATRIX	PRESERV SAMPLING		
Lab I.D. Sample I.D.	S)RAB OR (C)OMP CONTAINERS ROUNDWATER ASTEWATER DIL L JUDGE THER .	DID/BASE E/COOL THER	10 H	
1 SR102	7	1 34-6-8	× ×	
56,20	\& \X	X 3-9-15 10; 2	~ × × ×	
3 SP. 30 1.	\(\mathcal{P}\)	x 3-9-15 10:4	× × × ×	
1 8 40 SWF	ري - ×	X 3-9-15 10:50	×	
5 58.5 @ SWF	> ×	C5:01 51-6-5	, , , , ,	
6 58.6@ 50°F	\ <u>`</u>	× 39-15 10:55	۲ ۲ ۲	
7 58.70 SUPP	т - - -	X 39-15 10:58	×	
8 58.30 SUNT	×	X 3-9-5 11:01	×. ×.	
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 in no event shall be shall be claimed 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	dy for any claim arising whether based in contract or half be deemed waived unless made in writing and re-	tort, shall be limited to the amount paid by the client ceived by Cardinal within 30 days after completion o	for the free applicable	

Delivered By: (Circle One) Time: Received By: Sample Condition
Cool Intact
Tyes Yes
No No No Phone Result:
Fax Result:
REMARKS:

☐ Yes

No No

Add'l Phone #: Add'l Fax #:

Relinquished By:

Relinquished By:

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

Sampler - UPS - Bus - Other:



July 08, 2014

BRIAN WALL LINN OPERATING-HOBBS 2130 W. BENDER HOBBS, NM 88240

RE: J. L. KEEL B #007

Enclosed are the results of analyses for samples received by the laboratory on 07/01/14 14:50.

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/ga/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.

Celey D. Keens

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

Lab Director/Quality Manager



LINN OPERATING-HOBBS BRIAN WALL 2130 W. BENDER HOBBS NM, 88240

Fax To: (575) 738-1740

Received: 07/01/2014 Sampling Date: 06/26/2014

Reported: 07/08/2014 Sampling Type: Soil

Project Name: J. L. KEEL B #007 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Kathy Perez

Project Location: NOT GIVEN

Sample ID: SP. 1 @ 3' (H402000-01)

BTEX 8260B	mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/04/2014	ND	1.83	91.3	2.00	23.7	
Toluene*	<0.050	0.050	07/04/2014	ND	1.60	79.9	2.00	24.4	
Ethylbenzene*	<0.050	0.050	07/04/2014	ND	1.50	74.9	2.00	23.3	
Total Xylenes*	<0.150	0.150	07/04/2014	ND	4.68	78.0	6.00	25.1	
Total BTEX	<0.300	0.300	07/04/2014	ND					
Surrogate: Dibromofluoromethane	96.1	% 61.3-14	2						
Surrogate: Toluene-d8	108	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	96.0	% 65.7-14	1						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	07/07/2014	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/04/2014	ND	180	90.2	200	1.72	
DRO >C10-C28	<10.0	10.0	07/04/2014	ND	193	96.4	200	0.0794	
Surrogate: 1-Chlorooctane	116	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	127	% 63.6-15	4						

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NOT GIVEN

Analytical Results For:

LINN OPERATING-HOBBS **BRIAN WALL** 2130 W. BENDER HOBBS NM, 88240

Fax To: (575) 738-1740

Received: 07/01/2014 Sampling Date: 06/26/2014

Reported: 07/08/2014 Sampling Type: Soil

Project Name: J. L. KEEL B #007 Sampling Condition: Cool & Intact Project Number: Sample Received By: NONE GIVEN Kathy Perez

Sample ID: SP. 2 @ 3' (H402000-02)

Project Location:

BTEX 8260B	mg	/kg	Analyze	d By: ms/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/06/2014	ND	2.18	109	2.00	9.71	
Toluene*	<0.050	0.050	07/06/2014	ND	1.84	92.2	2.00	9.99	
Ethylbenzene*	<0.050	0.050	07/06/2014	ND	1.75	87.3	2.00	10.4	
Total Xylenes*	<0.150	0.150	07/06/2014	ND	5.43	90.6	6.00	11.5	
Total BTEX	<0.300	0.300	07/06/2014	ND					
Surrogate: Dibromofluoromethane	96.9	% 61.3-14	2						
Surrogate: Toluene-d8	100	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	95.8	% 65.7-14	1						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	07/07/2014	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/04/2014	ND	180	90.2	200	1.72	
DRO >C10-C28	<10.0	10.0	07/04/2014	ND	193	96.4	200	0.0794	
Surrogate: 1-Chlorooctane	108	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	119	% 63.6-15	4						

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LINN OPERATING-HOBBS BRIAN WALL 2130 W. BENDER HOBBS NM, 88240

Fax To: (575) 738-1740

Received: 07/01/2014 Sampling Date: 06/26/2014

Reported: 07/08/2014 Sampling Type: Soil

Project Name: J. L. KEEL B #007 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Kathy Perez

Analyzed By: mc/

Project Location: NOT GIVEN

ma/ka

Sample ID: SP. 3 @ 9' (H402000-03)

RTFY 8260R

B1EX 8260B	mg	/ Kg	Anaiyze	ed By: ms/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/06/2014	ND	2.18	109	2.00	9.71	
Toluene*	<0.050	0.050	07/06/2014	ND	1.84	92.2	2.00	9.99	
Ethylbenzene*	<0.050	0.050	07/06/2014	ND	1.75	87.3	2.00	10.4	
Total Xylenes*	<0.150	0.150	07/06/2014	ND	5.43	90.6	6.00	11.5	
Total BTEX	<0.300	0.300	07/06/2014	ND					
Surrogate: Dibromofluoromethane	100	% 61.3-14	12						
Surrogate: Toluene-d8	102	% 71.3-12	19						
Surrogate: 4-Bromofluorobenzene	92.5	% 65.7-14	!1						
Chloride, SM4500Cl-B	mg	/kg	Analyze	ed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/07/2014	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/03/2014	ND	184	91.8	200	0.423	
DRO >C10-C28	11.1	10.0	07/03/2014	ND	195	97.5	200	0.786	
Surrogate: 1-Chlorooctane	106	% 65.2-14	10						
Surrogate: 1-Chlorooctadecane	114	% 63.6-15	i4						

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Fax To: (575) 738-1740

Received: 07/01/2014 Sampling Date: 06/26/2014

Reported: 07/08/2014 Sampling Type: Soil

Project Name: J. L. KEEL B #007 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Kathy Perez

Analyzed By: mc/

Project Location: NOT GIVEN

ma/ka

Sample ID: SP. 4 @ 3' (H402000-04)

RTFY 8260R

B1EX 8260B	mg	/кд	Analyze	ed By: ms/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/06/2014	ND	2.18	109	2.00	9.71	
Toluene*	<0.050	0.050	07/06/2014	ND	1.84	92.2	2.00	9.99	
Ethylbenzene*	<0.050	0.050	07/06/2014	ND	1.75	87.3	2.00	10.4	
Total Xylenes*	<0.150	0.150	07/06/2014	ND	5.43	90.6	6.00	11.5	
Total BTEX	<0.300	0.300	07/06/2014	ND					
Surrogate: Dibromofluoromethane	101	% 61.3-14	22						
Surrogate: Toluene-d8	106	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	93.1	% 65.7-14	1						
Chloride, SM4500Cl-B	mg	/kg	Analyze	ed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/07/2014	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/03/2014	ND	184	91.8	200	0.423	
DRO >C10-C28	<10.0	10.0	07/03/2014	ND	195	97.5	200	0.786	
Surrogate: 1-Chlorooctane	101	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	108	% 63.6-15	4						

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LINN OPERATING-HOBBS BRIAN WALL 2130 W. BENDER HOBBS NM, 88240

Fax To: (575) 738-1740

Received: 07/01/2014 Sampling Date: 06/26/2014

Reported: 07/08/2014 Sampling Type: Soil

Project Name: J. L. KEEL B #007 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Kathy Perez

Project Location: NOT GIVEN

Sample ID: SP. 5 @ 3' (H402000-05)

BTEX 8260B	mg/	kg	Analyze	d By: ms/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/06/2014	ND	2.18	109	2.00	9.71	
Toluene*	<0.050	0.050	07/06/2014	ND	1.84	92.2	2.00	9.99	
Ethylbenzene*	<0.050	0.050	07/06/2014	ND	1.75	87.3	2.00	10.4	
Total Xylenes*	<0.150	0.150	07/06/2014	ND	5.43	90.6	6.00	11.5	
Total BTEX	<0.300	0.300	07/06/2014	ND					
Surrogate: Dibromofluoromethane	102 %	61.3-14	22						
Surrogate: Toluene-d8	107 %	71.3-12	9						
Surrogate: 4-Bromofluorobenzene	93.5 9	% 65.7-14	1						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/07/2014	ND	432	108	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/03/2014	ND	184	91.8	200	0.423	
DRO >C10-C28	39.6	10.0	07/03/2014	ND	195	97.5	200	0.786	
Surrogate: 1-Chlorooctane	108 %	65.2-14	0						
Surrogate: 1-Chlorooctadecane	120 %	63.6-15	4						

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LINN OPERATING-HOBBS **BRIAN WALL** 2130 W. BENDER HOBBS NM, 88240

Fax To: (575) 738-1740

Received: 07/01/2014 Sampling Date: 06/26/2014

Reported: 07/08/2014 Sampling Type: Soil

Project Name: J. L. KEEL B #007 Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Kathy Perez

Project Location: **NOT GIVEN**

Sample ID: SP. 6 @ 3' (H402000-06)

BTEX 8260B	mg,	'kg	Analyze	d By: ms/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/06/2014	ND	2.18	109	2.00	9.71	
Toluene*	<0.050	0.050	07/06/2014	ND	1.84	92.2	2.00	9.99	
Ethylbenzene*	<0.050	0.050	07/06/2014	ND	1.75	87.3	2.00	10.4	
Total Xylenes*	<0.150	0.150	07/06/2014	ND	5.43	90.6	6.00	11.5	
Total BTEX	<0.300	0.300	07/06/2014	ND					
Surrogate: Dibromofluoromethane	104	% 61.3-14	22						
Surrogate: Toluene-d8	104	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	93.5	% 65.7-14	1						
Chloride, SM4500Cl-B	mg,	'kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	07/07/2014	ND	432	108	400	3.77	
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/03/2014	ND	184	91.8	200	0.423	
DRO >C10-C28	<10.0	10.0	07/03/2014	ND	195	97.5	200	0.786	
Surrogate: 1-Chlorooctane	119 9	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	122 5	% 63.6-15	4						

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LINN OPERATING-HOBBS BRIAN WALL 2130 W. BENDER HOBBS NM, 88240

Fax To: (575) 738-1740

Received: 07/01/2014 Sampling Date: 06/26/2014

Reported: 07/08/2014 Sampling Type: Soil Project Name: J. L. KEEL B #007 Sampling Condition: Cool

Project Name: J. L. KEEL B #007 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Kathy Perez

Analyzed By: mc/

Project Location: NOT GIVEN

ma/ka

Sample ID: SP. 7 @ 3' (H402000-07)

RTFY 8260R

B1EX 8260B	mg,	/ Kg	Analyze	a By: ms/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/07/2014	ND	2.18	109	2.00	9.71	
Toluene*	<0.050	0.050	07/07/2014	ND	1.84	92.2	2.00	9.99	
Ethylbenzene*	<0.050	0.050	07/07/2014	ND	1.75	87.3	2.00	10.4	
Total Xylenes*	<0.150	0.150	07/07/2014	ND	5.43	90.6	6.00	11.5	
Total BTEX	<0.300	0.300	07/07/2014	ND					
Surrogate: Dibromofluoromethane	99.2	% 61.3-14	2						
Surrogate: Toluene-d8	107	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	93.1	% 65.7-14	1						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/07/2014	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/03/2014	ND	184	91.8	200	0.423	
DRO >C10-C28	<10.0	10.0	07/03/2014	ND	195	97.5	200	0.786	
Surrogate: 1-Chlorooctane	112	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	117	% 63.6-15	4						

Cardinal Laboratories *=Accredited Analyte

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LINN OPERATING-HOBBS BRIAN WALL 2130 W. BENDER HOBBS NM, 88240

Fax To: (575) 738-1740

Received: 07/01/2014 Sampling Date: 06/26/2014

Reported: 07/08/2014 Sampling Type: Soil

Project Name: J. L. KEEL B #007 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Kathy Perez

Analyzed By: mc/

Project Location: NOT GIVEN

ma/ka

Sample ID: SP. 8 @ 3' (H402000-08)

RTFY 8260R

B1EX 8260B	mg,	/ Kg	Anaiyze	ea By: ms/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/07/2014	ND	2.18	109	2.00	9.71	
Toluene*	<0.050	0.050	07/07/2014	ND	1.84	92.2	2.00	9.99	
Ethylbenzene*	<0.050	0.050	07/07/2014	ND	1.75	87.3	2.00	10.4	
Total Xylenes*	<0.150	0.150	07/07/2014	ND	5.43	90.6	6.00	11.5	
Total BTEX	<0.300	0.300	07/07/2014	ND					
Surrogate: Dibromofluoromethane	105	% 61.3-14	12						
Surrogate: Toluene-d8	107	% 71.3-12	19						
Surrogate: 4-Bromofluorobenzene	88.4	% 65.7-14	!1						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	07/07/2014	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/03/2014	ND	184	91.8	200	0.423	
DRO >C10-C28	<10.0	10.0	07/03/2014	ND	195	97.5	200	0.786	
Surrogate: 1-Chlorooctane	109	% 65.2-14	10						
Surrogate: 1-Chlorooctadecane	115	% 63.6-15	i <i>4</i>						

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Notes and Definitions

QR-02 The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC

batch were accepted based on percent recoveries and completeness of QC data.

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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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Linn Engly	BILL TO	ANALYSIS
Project Manager: Brian Wall	P.O. #:	
ess:	Company: Linn Evral	CAGUL CONTRACTOR CONTR
City: State:	Zip: Attn: Brion Wall	
Phone #: Fax #:	Addres	
Project #: Project Owner:		
Project Name:	State: Zin:	
Project Location: The New B 007	#	
Sampler Name: Michael Alver	Fax#:	
	MATRIX PRESERV SAMPLING	
Lab I.D. Sample I.D.		TIME CA TRA BIEX
2 St. 10 3	XX X X X X X X X X X X X X X X X X X X	91:48 X
3 50.30 g	X	5-65 X X X
100 m	X	5 CS: 6
50.503	8 - X	11:35 +++
15 Og of 3	X Works	_
2 0 0 0 × 2 × 2		MINO Y+Y
S SON OF S	X X X	11:30 7 4 +
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any dalm arising whether beard in contract or test should be suit at the second of the second or test should be suited by	and daim arising whether based in contract or tool shall be for its and any	
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, infiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is \$45.50 typon any of the above stated reasons or otherwise.	bover shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the age, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiarin betreunder by Cardinal, regardless of whether such claim is these types and of the above stated reasons or cherwise.	aid by the client for the terror the terror terror that the completion of the applicable client, its subsidiaries, assons or otherwise.
Date:	Received By:	Phone Result:
Relinquished By:	Received By:	E-mail Results To:

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

في

Sample Condition

CHECKED BY (Initials)

Tjennings@diversifiedfsi.com

Rpons@diversifiedfsi.com Ngladden@diversifiedfsi.com E-mail Results To:

Relinquished By:

Date: Time:

Cardinal cannot accont workal channoe Dloaco fav writton channoc to IETE1 202_2226

Appendix V

SEED REPORT

DIVERSIFIED FIELD SERVICES, INC.

Project: JL Kee BOOT	Date Started:	5-22-15
Seed and lbs used: 40 lb	Date Completed:_	5-22-15

Supervisor: Jamebash

Curtis and Curtis, Inc.

4500 North Prince Clovis, NM 88130 Phone: (575) 762-4759 www.curtisseed.com

Mike Burton 4 Acre LPC Mix 4 - 1 Acre Bags @ 40.35 Bulk Pounds Each

Lut. M 13029			A PONCE		Total Germination	Test Date	Total FLS Pounds
<u>Item</u>	Origin Oklahoma	Purity 12.91%	Germ 15.00%	81.00%	96.00%	03/15	20.00
Plains Bristlegrass VNS	Темая	16.10%	46.00%	31.00%	77.00%	11/14	20.00
Sideoats Grama Vaughn	Nebraska	7,66%	97.00%	0.00%	97.00%(TZ)	02/15	12.00
Little Bluestem Blaze	Missouri	15.18%	93.00%	5.00%	98.00%	10/14	24.00
Big Bluestem Kaw	Oregon	5.97%	83.00%	0.00%	83.00%(TZ	11/14	8.00
Corespsis Plains	Colorado	2.61%	21.00%	74.00%	95.00%	01/15	4.00
Sand Dropseed VNS Four Wing Saltbush			37.00%	22.00%	59.00%	03/15	20.00
Four Wing Saitbusi	/ WHICH			100	Total Bulk	Pounds:	161
Weed Seed: 0	anne Th	is Bao Wei	Bags For Thighs 40.35 E For 1 Acre	suk rumius	Total Buik		

Appendix VI

ARCH SURVEY

NMCRIS No.: 130195

NMCRIS INVESTIGATION ABSTRACT FORM (NIAF)

1. NMCRIS	2a. Lead Agency:	2b. Other Agency(ies):			3. Lead Agency Report No.:			
Activity No.:	US Bureau of Land Management Carlsbad Field							
130195	Office							
4. Title of Report:					5. Type	of Report		
A Class III Archaeolo	ogical Survey for Diversified Field Se	ervices, Inc.'s J.L. Ke	el B #007 Spill Cl	ean-Up	✓ Nega	ative		
					Posit	tive		
Author(s)					LI			
Hill, Rebecca L. an	d Joshua W. Broxson							
6. Investigation Typ	ре							
Research Design	Archaeological Survey/Invento	ryArchitectural S	urvey/Inventory	Test Ex	cavation	Excavation		
Collections/Non-F	Field Study Compliance Decision	n Based on Previous	Inventory O	 verview/Lit	Review	Monitoring		
Ethnographic Stu	dy Site/Property Specific Visit	☐ Historic Struct	ures Report 🔲	Other				
7. Description of U	ndertaking (what does the project	entail?):						
area measures 108,	013.93 sq. ft. or 2.48 acres. No cultu	ıral resources were r	ecorded or updat	ed during t	he surve	•		
					[] Continuation		
		31-Mar-2014	9. Report Date:	01-Apr-2	.014			
	ency/Consultant: Boone Arch Servi	ces of NM, LLC						
	ator: Rebecca L. Hill							
Field Supervisor:	Rebecca L. Hill							
Field Personnel N	ames: Rebecca L. Hill							
Historian / Other:								
11. Performing Age	ency/Consultant Report No.:							
BASNM 03-14-58								
12. Applicable Cul	tural Resource Permit No(s):							
BLM Permit No.: 19	0-2920-12-S							

US Bureau of Land Management Carlsbad Field Office TOTALS 2.48 0.09 16. Records Search(es): Date(s) of HPD/ARMS File Review: 21 Mar 2014 Name of Reviewer(s): M. Jones Date(s) of Other Agency File Review: 21 Mar 2014 Name of Reviewer(s): M. Jones Agency: BLM/CFO 17. Survey Data: a. Source Graphics [] NAD 27 [x] NAD 83 Note: NAD 83 is the NMCRIS standard. USGS 7.5' (1:24,000) topo map _ Other topo map, Scale: GPS Unit Accuracy < -1.0m	NMCRIS No.: 130195					
Contact: Natalie Gladden Address: 3412 N. Dal Paso, Hobbs, NM 88240 Phone: 575-602-1786 14. Client/Customer Project No.: 15. Land Owner (By Agency) Acres Surveyed Acres in APE US Bureau of Land Management Carisbad Field Office Date (S) of HPD/ARMS File Review: 21 Mar 2014 Name of Reviewer(s): M. Jones Date (s) of Other Agency File Review: 21 Mar 2014 Name of Reviewer(s): M. Jones Date (s) of Other Agency File Review: 21 Mar 2014 Name of Reviewer(s): M. Jones Agency: BLM/CFO 17. Survey Data: a. Source Graphics [] NAD 27	13. Client/Customer (project propo	nent):				
Address: 3412 N. Dal Paso, Hobbs, NM 88240 14. Client/Customer Project No.: 15. Land Ownership Status (must be indicated on project map): Land Owner (By Agency) Acres Surveyed Acres in APE US Bureau of Land Management Carisbad Field Office 16. Records Search(es): Date(s) of HPD/ARMS File Review: 21 Mar 2014 Name of Reviewer(s): M. Jones Date(s) of Other Agency File Review: 21 Mar 2014 Name of Reviewer(s): M. Jones Agency: BLM/CFO 17. Survey Data: a. Source Graphics [] NAD 27 [x] NAD 83 Note: NAD 83 is the NMCRIS standard. USGS 7.5' (1:24,000) topo map Other topo map, Scale: UGPS Unit Accuracy Colon 1-10m 10-100m >100m Aerial Photo(s) Other Source Graphic(s): b. USGS 7.5' Topographic Map Name USGS Quad Code Loco Hills, NM 22103-G8 c. County(ies): EDDY d. Nearest City or Town: Loco Hills, NM e. Legal Description: Township (N/S) Range (E/W) Section 175 31E 8 Projected legal description? [] Yes [x] No [] Unplatted f. Other Description (e.g. well pad footages, mile markers, plats, land grant name, etc.):	Diversified Field Services, Inc.					
14. Client/Customer Project No.: 15. Land Ownership Status (must be indicated on project map): Land Owner (By Agency) Acres Surveyed Acres in APE US Bureau of Land Management Carlsbad Field Office 2.48 0.09 16. Records Search(es): Date(s) of HPD/ARIMS File Review: 21 Mar 2014 Name of Reviewer(s): M. Jones Date(s) of Other Agency File Review: 21 Mar 2014 Name of Reviewer(s): M. Jones Agency: BLM/CFO 17. Survey Data: a. Source Graphics [] NAD 27	Contact: Natalie Gladden					
15. Land Ownership Status (must be indicated on project map): Land Owner (By Agency) Acres Surveyed Acres in APE US Bureau of Land Management Carlsbad Field Office TOTALS 2.48 0.09 16. Records Search(es): Date(s) of HPD/ARMS File Review: 21 Mar 2014 Name of Reviewer(s): M. Jones Date(s) of Other Agency File Review: 21 Mar 2014 Name of Reviewer(s): M. Jones Agency: BLM/CFO 17. Survey Data: a. Source Graphics [] NAD 27 [x] NAD 83 Note: NAD 83 is the NMCRIS standard. USGS 7.5' (1:24,000) topo map Other topo map, Scale: GPS Unit Accuracy <1.0m 1-1.0m 10-100m >10.0m Aerial Photo(s) Other Source Graphic(s): b. USGS 7.5' Topographic Map Name USGS Quad Code Loco Hills, NM 32103-G8 c. County(ies): EDDY d. Nearest City or Town: Loco Hills, NM e. Legal Description: Township (N/S) Range (E/W) Section 17S S1E 8 Projected legal description? [] Yes [x] No [] Unplatted f. Other Description (e.g. well pad footages, mile markers, plats, land grant name, etc.):	Address: 3412 N. Dal Paso, Hobbs	s, NM 88240			Phone: 575-6	602-1786
Land Owner (By Agency) Acres Surveyed Acres in APE US Bureau of Land Management Carlsbad Field Office TOTALS 2.48 0.09 16. Records Search(es): Date(s) of HPD/ARMS File Review: 21 Mar 2014 Name of Reviewer(s): M. Jones Date(s) of Other Agency File Review: 21 Mar 2014 Name of Reviewer(s): M. Jones Agency: BLM/CFO 17. Survey Data: a. Source Graphics [] NAD 27 [x] NAD 83 Note: NAD 83 is the NMCRIS standard. USGS 7.5' (1:24,000) topo map Other topo map, Scale: GPS Unit Accuracy < 1.0m	14. Client/Customer Project No.:					
US Bureau of Land Management Carlsbad Field Office TOTALS 2.48 0.09 TOTALS 2.48 0.09 16. Records Search(es): Date(s) of HPD/ARMS File Review: 21 Mar 2014 Name of Reviewer(s): M. Jones Date(s) of Other Agency File Review: 21 Mar 2014 Name of Reviewer(s): M. Jones Agency: BLM/CFO 17. Survey Data: a. Source Graphics [] NAD 27 [x] NAD 83 Note: NAD 83 is the NMCRIS standard. USGS 7.5' (1:24,000) topo map Other topo map, Scale: GPS Unit Accuracy < 1.0m	15. Land Ownership Status (must	oe indicated or	n project map):			
TOTALS 2.48 0.09 16. Records Search(es): Date(s) of HPD/ARMS File Review: 21 Mar 2014 Name of Reviewer(s): M. Jones Date(s) of Other Agency File Review: 21 Mar 2014 Name of Reviewer(s): M. Jones Agency: BLM/CFO 17. Survey Data: a. Source Graphics [] NAD 27	Land Owner (By Agency)				Acres Surveyed	Acres in APE
Date(s) of HPD/ARMS File Review: 21 Mar 2014 Name of Reviewer(s): M. Jones	US Bureau of Land Management Ca	rlsbad Field Off	fice		2.48	0.09
Date(s) of HPD/ARMS File Review: 21 Mar 2014 Name of Reviewer(s): M. Jones Date(s) of Other Agency File Review: 21 Mar 2014 Name of Reviewer(s): M. Jones Agency: BLM/CFO 17. Survey Data: a. Source Graphics [] NAD 27				TOTALS	3 2.48	0.09
Date(s) of Other Agency File Review: 21 Mar 2014 Name of Reviewer(s): M. Jones Agency: BLM/CFO 17. Survey Data: a. Source Graphics [] NAD 27	16. Records Search(es):					
17. Survey Data: a. Source Graphics [] NAD 27	Date(s) of HPD/ARMS File Review:	21 Mar 2014	Name of Reviewer(s):	M. Jones		
17. Survey Data: a. Source Graphics [] NAD 27						
a. Source Graphics [] NAD 27 [x] NAD 83 Note: NAD 83 is the NMCRIS standard. USGS 7.5' (1:24,000) topo map Other topo map, Scale: GPS Unit Accuracy < 1.0m	Date(s) of Other Agency File Review	: 21 Mar 2014	Name of Reviewer(s):	M. Jones	Agency: BLM/CF	FO
a. Source Graphics [] NAD 27 [x] NAD 83 Note: NAD 83 is the NMCRIS standard. USGS 7.5' (1:24,000) topo map Other topo map, Scale: GPS Unit Accuracy < 1.0m						
a. Source Graphics [] NAD 27 [x] NAD 83 Note: NAD 83 is the NMCRIS standard. USGS 7.5' (1:24,000) topo map Other topo map, Scale: GPS Unit Accuracy < 1.0m	17. Survey Data:					
GPS Unit Accuracy < 1.0m	·	7 [x]	NAD 83 Not	e: NAD 83 is the	NMCRIS standar	d.
Other Source Graphic(s): b. USGS 7.5' Topographic Map Name Loco Hills, NM 32103-G8	USGS 7.5' (1:24,000) topo ma	p Other top	o map, Scale:			
Other Source Graphic(s): b. USGS 7.5' Topographic Map Name Loco Hills, NM 32103-G8	GPS Unit Accuracy <1.0	 n	10-100m>100)m	Aerial Pho	to(s)
Loco Hills, NM c. County(ies): EDDY d. Nearest City or Town: Loco Hills, NM e. Legal Description: Township (N/S) Range (E/W) Section 17S 31E 8 Projected legal description? [] Yes [x] No [] Unplatted f. Other Description (e.g. well pad footages, mile markers, plats, land grant name, etc.):	termit to the second	hamad t	Instanced Browned			
Loco Hills, NM c. County(ies): EDDY d. Nearest City or Town: Loco Hills, NM e. Legal Description: Township (N/S) Range (E/W) Section 17S 31E 8 Projected legal description? [] Yes [x] No [] Unplatted f. Other Description (e.g. well pad footages, mile markers, plats, land grant name, etc.):						
c. County(ies): EDDY d. Nearest City or Town: Loco Hills, NM e. Legal Description: Township (N/S) Range (E/W) Section 17S 31E 8 Projected legal description? [] Yes [x] No [] Unplatted f. Other Description (e.g. well pad footages, mile markers, plats, land grant name, etc.):		ame				ode
d. Nearest City or Town: Loco Hills, NM e. Legal Description: Township (N/S) Range (E/W) Section 17S 31E 8 Projected legal description? [] Yes [x] No [] Unplatted f. Other Description (e.g. well pad footages, mile markers, plats, land grant name, etc.):	Loco Hills, NM				32103-G8	
e. Legal Description: Township (N/S) Range (E/W) Section 17S 31E Projected legal description? [] Yes [x] No [] Unplatted f. Other Description (e.g. well pad footages, mile markers, plats, land grant name, etc.):	c. County(ies): EDDY					
e. Legal Description: Township (N/S) Range (E/W) Section 17S 31E Projected legal description? [] Yes [x] No [] Unplatted f. Other Description (e.g. well pad footages, mile markers, plats, land grant name, etc.):	d Nearest City or Town: 1000 Hi	lie NIM				
Township (N/S) Range (E/W) Section 17S	-	110, 14141				
Projected legal description? [] Yes [x] No [] Unplatted f. Other Description (e.g. well pad footages, mile markers, plats, land grant name, etc.):		Pange (E/M	Λ	Section		
Projected legal description? [] Yes [x] No [] Unplatted f. Other Description (e.g. well pad footages, mile markers, plats, land grant name, etc.):			· · · · · · · · · · · · · · · · · · ·			
f. Other Description (e.g. well pad footages, mile markers, plats, land grant name, etc.):			F 7 N -			
					-	
[] Continuati	T. Other Description (e.g. well pad	rootages, mile	markers, plats, land	grant name, etc	.):	
[] Continuati						
[] Continuati						
[] Continuati						
						[] Continuation

Intensity:

NMCRIS No.: 130195 Configuration: ✓ block survey units ☐ linear survey units (I x w): ☐ other survey units (specify):			
Scope: non-selective (all sites/properties recorded) selective/thematic (selected	d sites/proper	ties record	led)
Coverage Method: systematic pedestrian coverage			
other method (describe):			
Survey Interval (m): 15 Crew Size: 1 Fieldwork Dates: from: 31-Mar-2	2014	to: 31 -M ar	-2014
Survey Person Hours: 1.00 Recording Person Hours: 0.00	Total Hours	s: 1.00	
Additional Narrative:			
The spill area lies within ¼ mile of four previously recorded archaeological sites: LAs 5108 spill is at a distance sufficient to avoid impacting these sites. For a detailed description of the			
		[] Continuation
19. Environmental Setting (NRCS soil designation; vegetative community; elevation;	etc.):		
According to the Natural Resources Conservation Service' online database, the spill area percent slopes. Largo soils are designated as "loamy" and typically support black and blue even yet sparse distribution of shrubs such as yucca, mesquite, American tarbush, cholla, community consists of mesquite, shinnery oak, soapweed yucca, winterfat, and desert grase east side of the J.L. Keel B #007 well pad across a lease road and buried pipeline downhill approximately 5.15 miles southwest of Mescalero Ridge and 3.6 miles northwest of Taylor approximately 25 miles to the west. The elevation ranges from 3,770 ft. to 3,780 ft. above to the support of th	grama and to and creosote. sses. The spil I in a small dra Draw. The Pe	obosa gras . The curre I extends s ainage. Th ecos River	slands with an ent vegetative southt from the e spill is situated
20.a. Percent Ground Visibility: 80% b. Condition of Survey Area (graze	ed, bladed, u	[ndistribut	Continuation ed, etc.):
The survey area includes the J.L. Keel B. #007 well pad, an existing lease road, an existing buried pipelines.	ng buried pipe	line, and s	several existing
		[] Continuation
21. CULTURAL RESOURCE FINDINGS Yes, see next report section		No,	discuss why:
No cultural resources were recorded or updated during the survey. It is uncertain why about	original people	es did not i	nhabit the area.] Continuation
22. Attachments (check all appropriate boxes):		<u> </u>	,
[x] USGS 7.5 Topographic Map with sites, isolates, and survey area clearly draw	n (required)		
I was CAMADIO No. 1 / 1 / 1 / 1	ii (icquiicu)		
[] LA Site Forms - new sites (with sketch map & topographic map) if applicable			
[] LA Site Forms (update) - previously recorded & un-relocated sites (first 2 pages 1) Listenia Outbook December 1 Listenia Outbook December 2 Listenia Outbook December 3 List	jes minimum	.)	
[] Historic Cultural Property Inventory Forms, if applicable			
[] List and Description of Isolates, if applicable			
[] List and Description of Collections, if applicable	······		
23. Other Attachments:		_	
[] Photographs and Log	[x] Other (Describe):		ents

NMCRIS No.: 130195 24. I certify the information provided above is correct and accurate and meets all applicable agency standards. Principal Investigator/Qualified Supervisor: Printed Name: Rebecca L. Hill Date: 20pv 2014 Title: Principal Investigator 25. Reviewing Agency 26. SHPO Reviewer's Name/Date: Reviewer's Name/Date: HPD Log #: Accepted [] Rejected [Date sent to ARMS: CULTURAL RESOURCE **FINDINGS** [fill in appropriate section(s)] **SURVEY RESULTS:** Archaeological Sites discovered and registered: 0 Archaeological Sites discovered and NOT registered: 0 Previously recorded archaeological sites revisited (site update form required): 0 Previously recorded archaeological sites not relocated (site update form required): 0 TOTAL ARCHAEOLOGICAL SITES (visited & recorded): 0 Total isolates recorded: 0 Non-selective isolate recording? HCPI properties discovered and registered: 0 HCPI properties discovered and NOT registered: 0 Previously recorded HCPI properties revisited: 0 Previously recorded HCPI properties not relocated: 0 TOTAL HCPI PROPERTIES (visited & recorded, including acequias): 0 **MANAGEMENT SUMMARY:** No cultural resources were recorded or updated during the survey. The spill clean-up is recommended for approval. If cultural materials are encountered during the clean-up process, work should be halted and archaeologists with BLM/CFO should be notified immediately. **]** Continuation Γ

IF REPORT IS NEGATIVE, YOU ARE DONE AT THIS POINT.

SURVEY LA/HCPI NUMBER LOG

Sites/Properties Discovered:

LA/HCPI No. Field/Agency No.

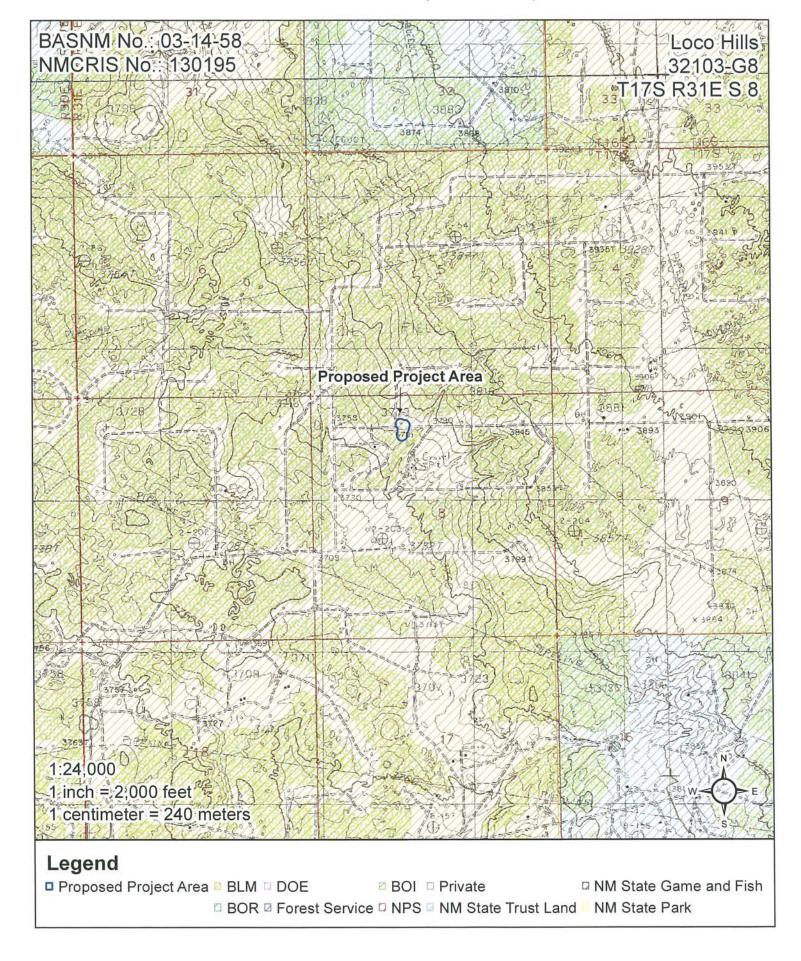
Eligible? (Y/N/U, applicable criteria)

NMCRIS No.:	130195						
Previously reco	rded revisited sites/HCPI properties:						
LA/HCPI No.	Field/Agency No. Eligible? (Y/N/U, applicable criteria)						
MONITORING LA	A NUMBER LOG (site form required)						
Sites Discovered (site form required): Previously recorded sites (site update form required):							
LA No.	Field/Agency No.	LA No.		Field/Agency No.			
Areas outside k	nown nearby site boundaries monitored?	[] Yes		[] No, Explain		
TESTING & EXC	AVATION LA NUMBER LOG (site form requ	ıired)					
Tested LA numb	per(s)	Excavate	d LA n	umber(s)			

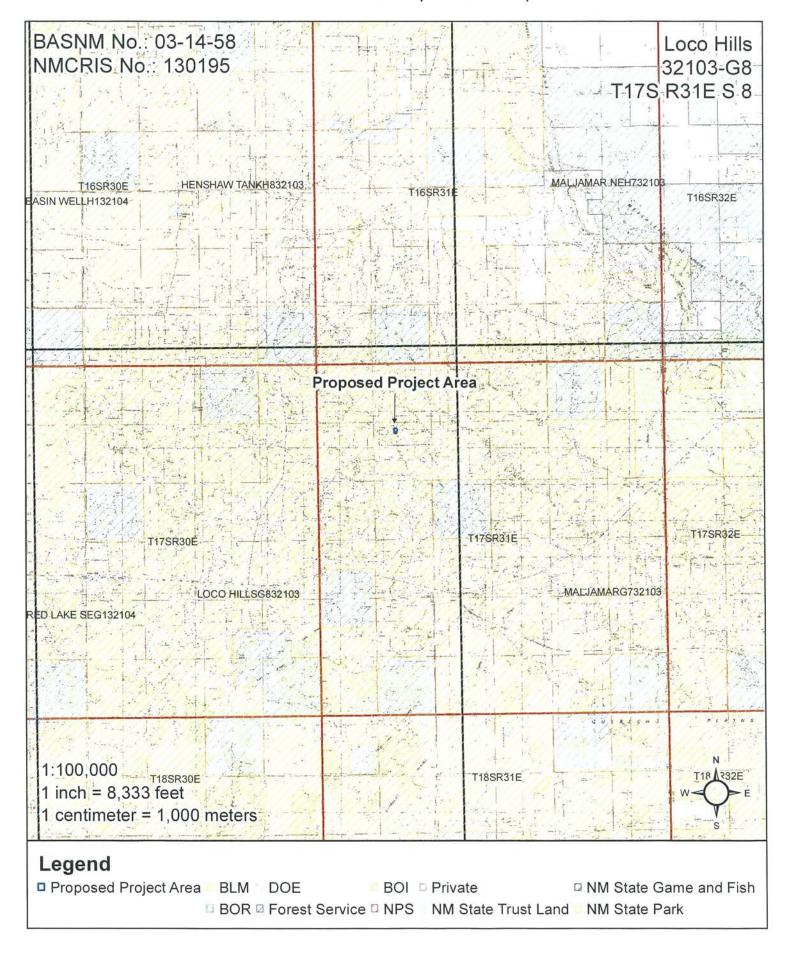
Table 1. Previously Recorded Archaeological Sites within $\mbox{\em 14}$ Mile.

LA No.	Cultural/Temporal Affiliation	Eligibility
51084	Jornada Mogollon/Early Pueblo to Late Pueblo (1100 AD - 1400 AD)	Eligible, D
51085	Jornada Mogollon/Late Pithouse to Early Pueblo (750 AD - 1200 AD)	Undetermined
108038	Jornada Mogollon/ Late Pithouse to Late Pueblo (750 AD - 1400 AD)	Undetermined
108660	Jornada Mogollon/ Late Pithouse to Late Pueblo (750 AD - 1400 AD)	Eligible, D

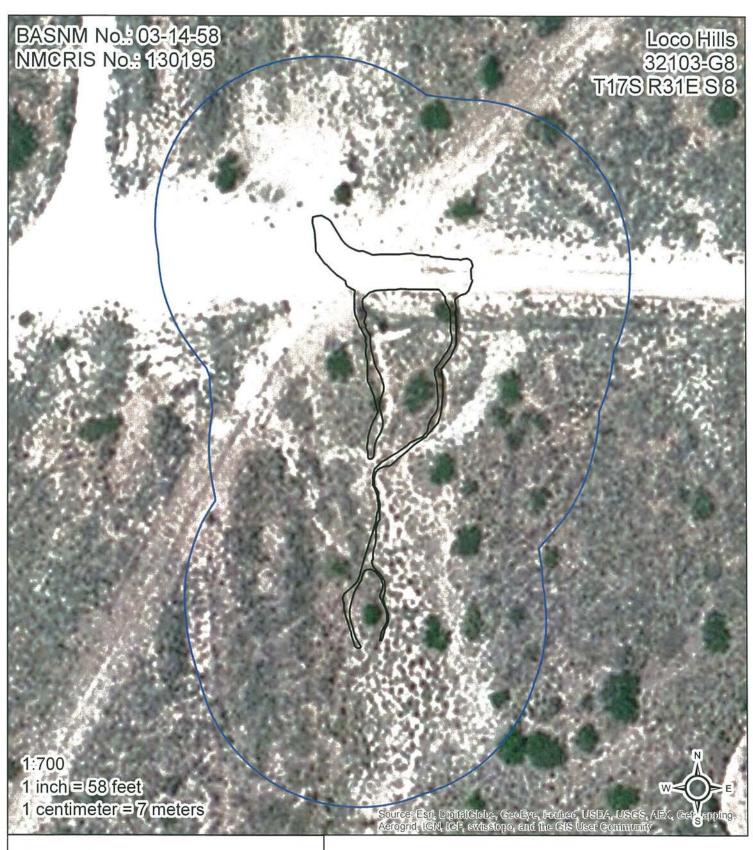
Diversified Field Services, Inc J.L. Keel B #007 Spill Clean-Up



Diversified Field Services, Inc J.L. Keel B #007 Spill Clean-Up



Diversified Field Services, Inc J.L. Keel B #007 Spill Clean-Up



Legend

□ Survey Area □ Spill □ Archaeological Site

Appendix VII

FINAL C-141

<u>District I</u> 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 <u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico **Energy Minerals and Natural Resources**

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

Oil Conservation Division 1220 South St. Francis Dr.

Form C-141

Revised August 8, 2011

Santa Fe, NM 8/505											
			Relea	ase Notifica	ation	and Co	rrective Ac	tion			
						OPERAT	OR	[Initial	Report	
Name of Co	ompany l	Linn Operati	ng Inc.			Contact	E.L. Gonzales				
		ender Blvd H		M 88240		Telephone l	No. 575-738-1	739			
Facility Na		EEL B #007				Facility Typ					
				1.6		1 wellief 1 Jr			1 A DY N	20.015	05100
Surface Ow	ner Feder	al		Mineral C)wner				API No	. 30-015-	05108
				LOCA'	TION	OF REL	EASE				
Unit Letter	Section	Township	Range	Feet from the	North	/South Line	Feet from the	East/V	West Line	County	
С	8	17S	31E	660		North	1980	1	West		Eddy
				Latitude 32	2.8664	7 Longitude	103.8571				
				NATI	TRF (OF RELE	ASF				
Type of Pale	oso Crudo	Oil / Produced	d Water	NAIC			Release unknow	· n	Volume R	Pagayarad	0
Source of Re			1 Water				Hour of Occurrence			Hour of Di	
Source of Re	icase Oliki	IOWII				Unknown	iour or occurrenc		Date and	riour or Di	scovery
Was Immedi	ate Notice (_			If YES, To	Whom?				
			Yes _	No Not Re	equired	BLM					
By Whom?						Date and I					
Was a Water	course Read	ched?	1 57 5	7		If YES, Vo	olume Impacting t	he Wate	ercourse.		
			Yes 🗵	_							
If a Waterco	urse was Im	pacted, Descr	ibe Fully.	*							
Describe Car	ise of Probl	em and Reme	dial Actio	n Taken.*							
Unknown Ca											
		and Cleanup A		ken.* source. Impacted	area ic	visible on loc	ation nad lease ro	ad and	nacture area	DESL	Il remediate
Impacted soi	ls will be re	emoved to an I	NMOCD a	approved facility.	Lab cor						restored to natural
				D and BLM guide from Boone Arch		ve At that tim	ne the site was fou	ınd to be	negative o	f any artife	acts On June 26
				h eight samples po							
											s well as BTEX. The
											OCD standards, were
				mation samples O						the spill a	rea. The site was
				sing the same meth							
											gs, since these sample
				brought in to bac							
				nd re-contoured wi			rrain to help stop	the eros	ion of the p	asture lanc	ls. The impacted
				of BLM approved			1111			NTN	10CDl 1
				e is true and comp							
				nd/or file certain r ce of a C-141 repo							
											vater, human health
				otance of a C-141							
				tunce of a C-141	report	ioes not renev	e the operator or	respons.	ionity for co	Jiipiianee	with any other
rederar, state	federal, state, or local laws and/or regulations. OIL CONSERVATION DIVISION							ON			
OIL CONSERVATION DIVISION											
Signature:											
Approved by Environmental Specialist:											
Printed Nam	e: Æ.L. Go	nzales						· 			
Title: Produ	ection Super	rvisor				Approval Da	te:		Expiration 1	Date:	
F-mail Addr	lress: elgonzales@linnenergy.com Conditions of Approval:					_					
L-man Addi	cos. Cigonzi	area e minienei	gy.com			Conditions 0	i rippiovai.			Attache	d 🗌
Date: 0	5/03/2015		Pho	one: 505-504-8002	2						

^{*} Attach Additional Sheets If Necessary