



LINN ENERGY

2130 W. Bender Blvd.
Hobbs, NM 88241
Phone 575.738.1739

Max Friess #1
(2RP-960)

Termination Request

API No. 3001505459

Release Date: November 15th, 2011

Unit Letter B, Section 30, Township 17S, Range 31E

July 30th, 2014

Mike Bratcher

New Mexico Energy, Minerals, & Natural Resources
Oil Conservation Division, Environmental Bureau – District 2
811 S. First St.
Artesia, NM 88210

**RE: Termination Request
Linn Energy – Linn Max Friess #1 (2RP-960)
UL/B sec. 30 T17S R31E
API No. 3001505459**

Mr. Bratcher:

Linn Energy (Linn) has retained Rice Environmental Consulting and Safety (RECS) to address potential environmental concerns at the above-referenced site.

Background and Previous Work

The site is located approximately 4.3 miles east of Loco Hills, New Mexico at UL/B sec. 30 T17S R31E. This site is in an area of no known groundwater.

On November 15th, 2011, Linn discovered a release of produced water and oil. A 500 barrel was tied to the well head to flow back for an acid job. The well flowed steady for 5 hours and then the well kicked off, shunting the fluid to the overflow tank. The tank overflowed releasing 2 barrels of produced water and 8 barrels of oil. A total of 10,756 square feet of lease pad and pasture land was affected by the release. Vacuum trucks were called to the site and recovered ½ barrel of produced water and 1 barrel of oil. NMOCD and BLM were notified of the release on November 16th, 2011 and an initial C-141 was submitted to NMOCD for their approval (Appendix A).

RECS personnel were on site beginning on February 6th, 2014 to assess the site. Five points throughout the release were sampled at the surface and with depth (Figure 1). Representative samples were taken to a commercial laboratory for analysis (Appendix B). Point 1 returned laboratory results below regulatory standards at the surface. Point 2 was sampled to a depth of 1 ft bgs and all samples returned laboratory results below regulatory standards. Point 3 was installed to a depth of 3 ft bgs. Field data showed results below regulatory standards and 1.5 ft bgs and laboratory data showed results below regulatory standards at 2.5 ft bgs. Point 4 was installed to the depth of 6 inches and both the surface sample and the 6 inch sample showed laboratory results below regulatory standards. Point 5 was installed to a depth of 2 ft bgs and all laboratory samples showed results below regulatory standards.

Based on the laboratory data, a Corrective Action Plan (CAP) was submitted to NMOCD and BLM on April 21st, 2014. BLM approved the CAP on April 28th, 2014 and NMOCD approved the CAP on April 29th, 2014. The CAP recommended that the area around Point 3 would be scraped to overall dimensions of 91 ft x 73 ft to a depth of 1.5 ft (Figure 2). In addition, all caliche from the lease pad would be scraped off the lease pad to prepare the site for reclamation. All scraped soils would be evaluated for use as backfill or for reclamation activities. Any soils that could not meet regulatory standards would be disposed of at a NMOCD approved facility. Once the 91 ft x 73 ft scrape was completed, a 5 point bottom composite would be taken and submitted to a commercial laboratory to verify that all constituents were below regulatory standards. Soil would be imported to the site and blended with the remaining scraped soils. A sample of the blended soils would be taken to a commercial laboratory to confirm that constituents were below regulatory standards. The blended top soil would be used to backfill the entire site to ground surface and contour the site to the surrounding area. The blended caliche would be used to place berms around the site to impede soil erosion and vehicular traffic. Soil amendments would be added to the top soil as needed and the site would be seeded with a blend of native vegetation.

Corrective actions began at the site on April 28th, 2014. The site was excavated to a depth of 1.5 ft bgs as approved in the CAP (Figure 3). A total of 512 cubic yards of contaminated soil was taken to a NMOCD approved facility for disposal. At the base of the 1.5 ft excavation, a 5 point bottom composite sample was taken and sent to a commercial laboratory for analysis (Appendix C). The 5 point composite returned a laboratory chloride value of 800 mg/kg and GRO, DRO and BTEX results of non-detect. The caliche on the pad was scraped up as part of the reclamation activities.

A request to backfill the site was sent to NMOCD and BLM on May 5th, 2014. BLM approved the site to be backfilled on May 6th, 2014, and NMOCD approved the site to be backfilled on May 7th, 2014. A total of 24 cubic yards of caliche and 552 cubic yards of top soil were imported to the site. The imported caliche was blended with the scraped caliche. Composite samples of the imported top soil and the blended caliche were taken to a commercial laboratory for analysis. The imported top soil returned a laboratory chloride reading of non-detect. The blended caliche returned a laboratory chloride reading of 160 mg/kg and GRO, DRO and BTEX results of non-detect. The scraped areas and excavated areas were backfilled with the imported top soil and contoured to the surrounding location. The blended caliche was used to create berms along the lease road to inhibit vehicular traffic and provide erosion controls. On May 13th, 2014, the site was seeded with LPC mix.

Photo documentation of all the activities can be found in Appendix D.

Given that Linn has completed all activities as stated in the approved CAP, Linn respectfully request 'remediation termination' and site closure. And final C-141 can be found in Appendix E.

The reclamation activities at the site have been completed per guidelines and a Re-vegetation form will be found in Appendix F.

RECS appreciates the opportunity to work with you on this project. Please call Hack Conder at (575) 393-2967 or me if you have any questions or wish to discuss the site.

Sincerely,

A handwritten signature in dark ink, appearing to read 'L.W.' followed by a stylized flourish.

Lara Weinheimer
Project Scientist
RECS
(575) 441-0431

Attachments:

- Figure 1 – Initial Sampling Data
- Figure 2 – Proposed Corrective Action
- Figure 3 – Excavation
- Appendix A – Initial C-141
- Appendix B – Initial Sampling Labs
- Appendix C – Final Sampling Labs
- Appendix D – Photo Documentation
- Appendix E – Final C-141
- Appendix F – Re-Vegetation Form

Figures

Initial Sampling Data

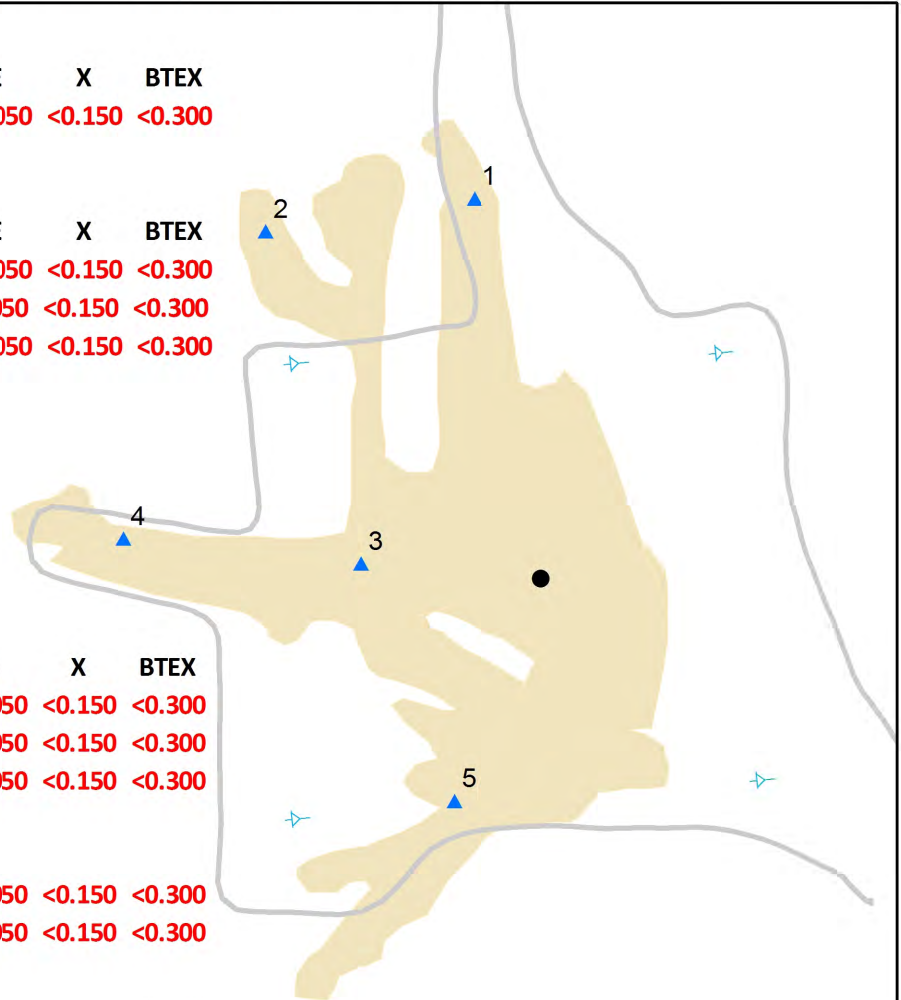
	CI-	PID	GRO	DRO	B	T	E	X	BTEX
SS	384	1.6	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300

	CI-	PID	GRO	DRO	B	T	E	X	BTEX
SS	208	3.5	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300
6"	144	4.4	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300
1'	880	29.1	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300

	CI-	PID	GRO	DRO	B	T	E	X	BTEX
SS	3440	39.4	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300
6"	3000	31.6	<10	27.5	<0.050	<0.050	<0.050	<0.150	<0.300
1'	1880	77	<10	32.8	<0.050	<0.050	<0.050	<0.150	<0.300
1.5'	845	0.6							
2'	526	0.6							
2.5'	320	0.6	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300
3'	272	0.3	<10	57	<0.050	<0.050	<0.050	<0.150	<0.300

	CI-	PID	GRO	DRO	B	T	E	X	BTEX
SS	256	0.2	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300
6"	96	0.1	<10	35.6	<0.050	<0.050	<0.050	<0.150	<0.300

	CI-	PID	GRO	DRO	B	T	E	X	BTEX
SS	256	28.3	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300
6"	428	23.9							
1'	912	60.7	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300
1.5'	874	6.3							
2'	176	2.7	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300



Legend

- DEADMAN
- SAMPLE POINT
- WELL HEAD
- CURRENT PAD
- RELEASE (10,756 SQ FT)

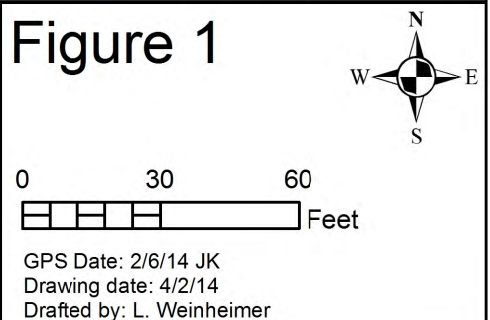
Landowner: BLM
DGW: None

CI- FIELD DATA
CI- LAB DATA

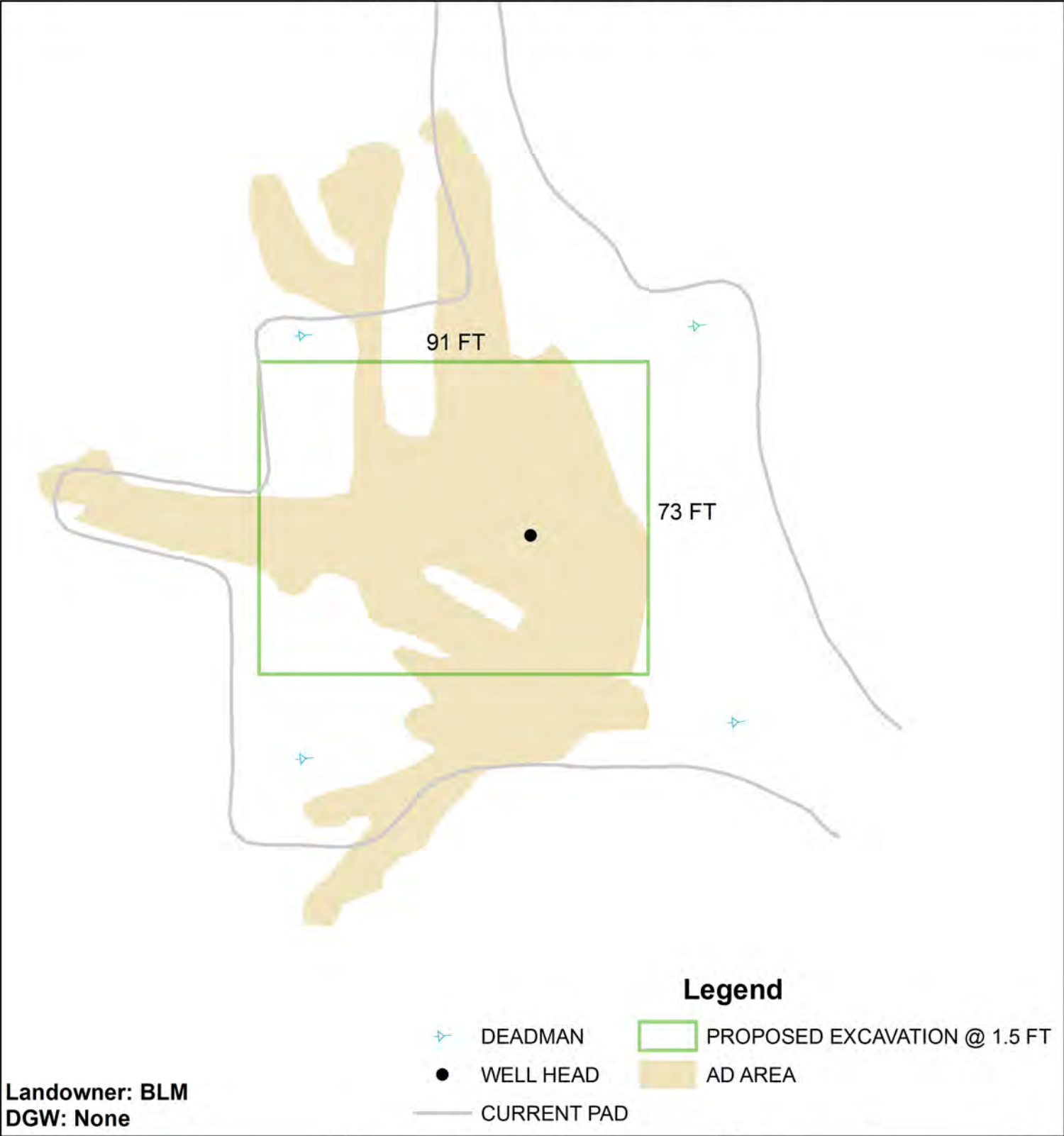


**LINN MAX
FRIESS #1**
Legals: UL/B sec. 30
T-17-S R-31-E
EDDY COUNTY, NM
API. No. 3001505459
NMOCD Case # 2RP-960

Figure 1



Proposed Corrective Action



RECS
RICE ENVIRONMENTAL
CONSULTING & SAFETY

**LINN MAX
FRIESS #1**

Legals: UL/B sec. 30
T-17-S R-31-E
EDDY COUNTY, NM
API. No. 3001505459
NMOCD Case # 2RP-960

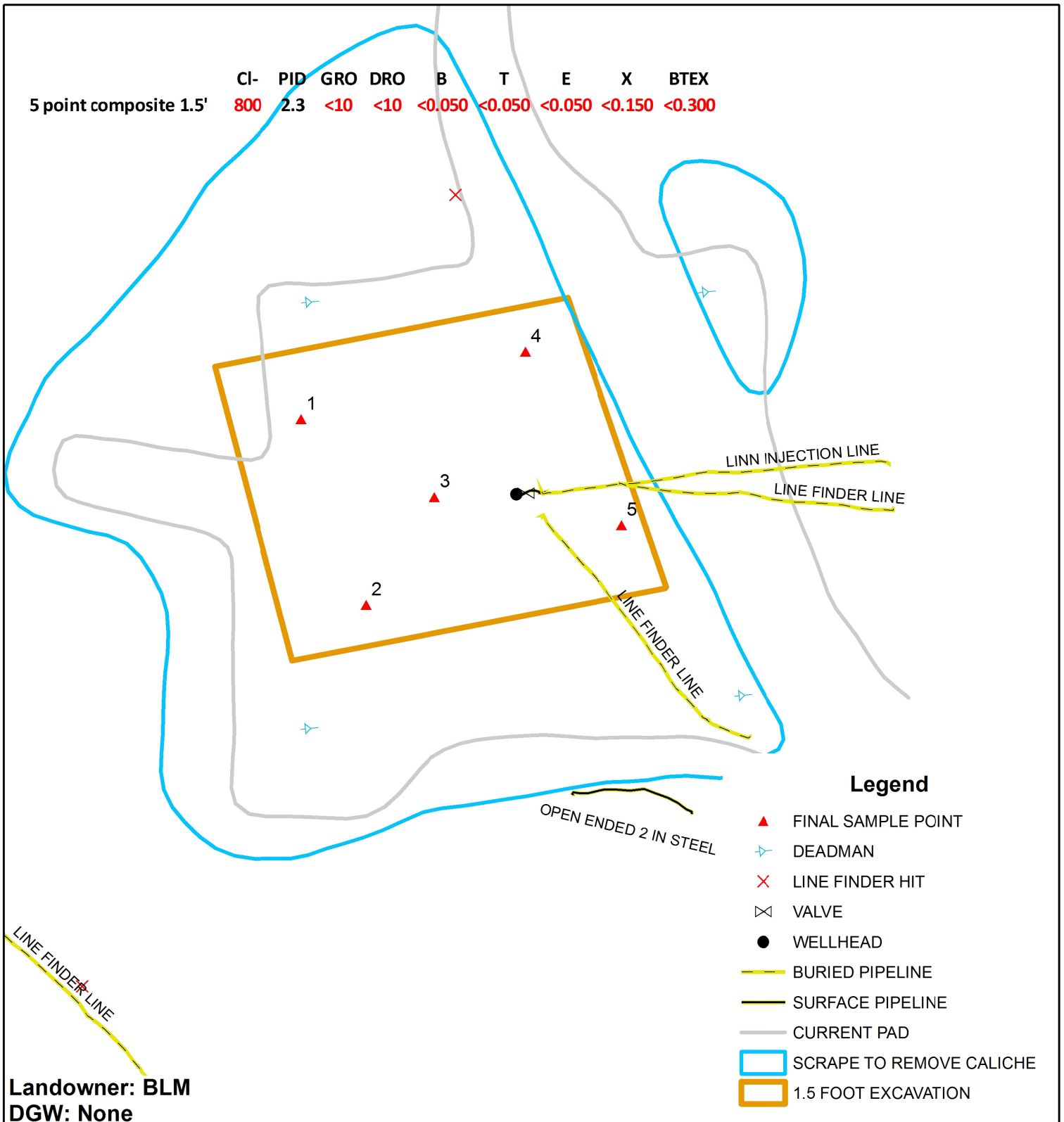
Figure 2

GPS Date: 2/6/14 JK
Drawing date: 4/7/14
Drafted by: T. Grieco

Excavation

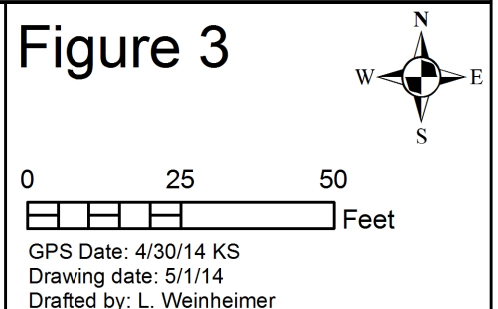
5 point composite 1.5'

CI-	PID	GRO	DRO	B	T	E	X	BTEX
800	2.3	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300



**LINN MAX
FRIESS #1**
Legals: UL/B sec. 30
T-17-S R-31-E
EDDY COUNTY, NM
API. No. 3001505459
NMOCD Case # 2RP-960

Figure 3



Appendix A

Initial C-141

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

RECEIVED

NOV 18 2011

NMOCD ARTESIA

Form C-141
Revised October 10, 2003

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

Release Notification and Corrective Action

NMLB/133634980

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company: Linn Operating 269324 Contact: Joe Hernandez
Address: 2130 W. Bender Hobbs, NM 88240 Telephone No.: 575-738-1739
Facility Name: Max Friess # 1 Facility Type: Injection well

Surface Owner: BLM Mineral Owner: BLM API No.: 3001505459

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
B	30	17S	31E	660	N	1980	E	Eddy

Latitude: 32° 48' 39.1" Longitude: -103° 54' 24.6"

NATURE OF RELEASE

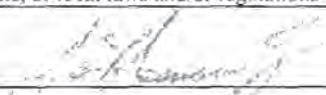
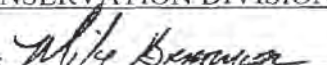
Type of Release: Produced Water / Oil	Volume of Release: 2 / 8	Volume Recovered: 0.5 / 1
Source of Release: Tank	Date and Hour of Occurrence: 11/15/2011 4:54pm	Date and Hour of Discovery: 11/15/2011 5:15pm
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? M. Bratcher- NM OCD / T. Gregston- BLM	
By Whom? Joe Hernandez	Date and Hour 11/16/2011 10:00am	
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.*: Tied 500bbl flow back to well head to flow back for acid job, well flowed at steady for 5hr and well kicked off overflowed tank oil/produced water came out top. Flow direction SW off location, N NW, on location and then off NW location. Contractor drove up to location as tank started to run over, and shut well in. Called vac truck.

Describe Area Affected and Cleanup Action Taken.*: M & R Trucking recovered 1.5 bbl further remedial action pending.

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: Joe Hernandez	Signed By  Approved by District Supervisor:	
Title: Production Foreman	Approval Date: DEC 02 2011	Expiration Date:
E-mail Address: jhernandez@linenergy.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 11/18/2011 Phone: 575-942-9492	Remediation per OCD Rules & Guidelines. SUBMIT REMEDIATION PROPOSAL NOT LATER THAN:	

* Attach Additional Sheets If Necessary

1/2/2012

2RP-960

Appendix B

Initial Sampling Labs

RICE Environmental Consulting and Safety (RECS)
P.O. Box 2948 Hobbs, NM 88241
Phone 575.393.2967

February 21, 2014

JACOB KAMPLAIN

RICE ENVIRONMENTAL CONSULTING & SAFETY LLC

419 W. CAIN

HOBBS, NM 88240

RE: MAX FRIESS MA #1

Enclosed are the results of analyses for samples received by the laboratory on 02/14/14 12:05.

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 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,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

RICE ENVIRONMENTAL CONSULTING & SAFETY
JACOB KAMPLAIN
419 W. CAIN
HOBBS NM, 88240
Fax To: (575) 397-1471

Received:	02/14/2014	Sampling Date:	02/12/2014
Reported:	02/21/2014	Sampling Type:	Soil
Project Name:	MAX FRIESS MA #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: PT. 1 @ SURFACE (H400449-01)

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	02/20/2014	ND	2.46	123	2.00	2.42	
Toluene*	<0.050	0.050	02/20/2014	ND	2.17	108	2.00	2.14	
Ethylbenzene*	<0.050	0.050	02/20/2014	ND	2.18	109	2.00	3.74	
Total Xylenes*	<0.150	0.150	02/20/2014	ND	6.35	106	6.00	3.42	
Total BTEX	<0.300	0.300	02/20/2014	ND					

Surrogate: Dibromofluoromethane 104 % 61.3-142

Surrogate: Toluene-d8 97.0 % 71.3-129

Surrogate: 4-Bromofluorobenzene 105 % 65.7-141

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	02/18/2014	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	02/17/2014	ND	192	96.0	200	7.22	
DRO >C10-C28	<10.0	10.0	02/17/2014	ND	187	93.7	200	11.7	

Surrogate: 1-Chlorooctane 89.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 92.5 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 RICE ENVIRONMENTAL CONSULTING & SAFETY
 JACOB KAMPLAIN
 419 W. CAIN
 HOBBS NM, 88240
 Fax To: (575) 397-1471

 Received: 02/14/2014
 Reported: 02/21/2014
 Project Name: MAX FRIESS MA #1
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 02/12/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: PT. 2 @ SURFACE (H400449-02)

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	02/20/2014	ND	2.46	123	2.00	2.42	
Toluene*	<0.050	0.050	02/20/2014	ND	2.17	108	2.00	2.14	
Ethylbenzene*	<0.050	0.050	02/20/2014	ND	2.18	109	2.00	3.74	
Total Xylenes*	<0.150	0.150	02/20/2014	ND	6.35	106	6.00	3.42	
Total BTEX	<0.300	0.300	02/20/2014	ND					

Surrogate: Dibromofluoromethane 101 % 61.3-142

Surrogate: Toluene-d8 97.6 % 71.3-129

Surrogate: 4-Bromofluorobenzene 107 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	02/18/2014	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	02/17/2014	ND	192	96.0	200	7.22	
DRO >C10-C28	<10.0	10.0	02/17/2014	ND	187	93.7	200	11.7	

Surrogate: 1-Chlorooctane 111 % 65.2-140

Surrogate: 1-Chlorooctadecane 115 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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RICE ENVIRONMENTAL CONSULTING & SAFETY
JACOB KAMPLAIN
419 W. CAIN
HOBBS NM, 88240
Fax To: (575) 397-1471

Received: 02/14/2014
Reported: 02/21/2014
Project Name: MAX FRIESS MA #1
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 02/12/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: PT. 2 @ 6" (H400449-03)

BTX 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	02/20/2014	ND	2.46	123	2.00	2.42	
Toluene*	<0.050	0.050	02/20/2014	ND	2.17	108	2.00	2.14	
Ethylbenzene*	<0.050	0.050	02/20/2014	ND	2.18	109	2.00	3.74	
Total Xylenes*	<0.150	0.150	02/20/2014	ND	6.35	106	6.00	3.42	
Total BTX	<0.300	0.300	02/20/2014	ND					

Surrogate: Dibromofluoromethane 106 % 61.3-142
Surrogate: Toluene-d8 95.6 % 71.3-129
Surrogate: 4-Bromofluorobenzene 103 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	02/18/2014	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	02/17/2014	ND	192	96.0	200	7.22	
DRO >C10-C28	<10.0	10.0	02/17/2014	ND	187	93.7	200	11.7	

Surrogate: 1-Chlorooctane 108 % 65.2-140
Surrogate: 1-Chlorooctadecane 117 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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HOBBS NM, 88240
Fax To: (575) 397-1471

Received: 02/14/2014
Reported: 02/21/2014
Project Name: MAX FRIESS MA #1
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 02/12/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: PT. 2 @ 1' (H400449-04)

BTX 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	02/20/2014	ND	2.46	123	2.00	2.42	
Toluene*	<0.050	0.050	02/20/2014	ND	2.17	108	2.00	2.14	
Ethylbenzene*	<0.050	0.050	02/20/2014	ND	2.18	109	2.00	3.74	
Total Xylenes*	<0.150	0.150	02/20/2014	ND	6.35	106	6.00	3.42	
Total BTX	<0.300	0.300	02/20/2014	ND					

Surrogate: Dibromofluoromethane 102 % 61.3-142
Surrogate: Toluene-d8 94.4 % 71.3-129
Surrogate: 4-Bromofluorobenzene 100 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	880	16.0	02/18/2014	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	02/17/2014	ND	192	96.0	200	7.22	
DRO >C10-C28	<10.0	10.0	02/17/2014	ND	187	93.7	200	11.7	

Surrogate: 1-Chlorooctane 101 % 65.2-140
Surrogate: 1-Chlorooctadecane 103 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

RICE ENVIRONMENTAL CONSULTING & SAFETY
JACOB KAMPLAIN
419 W. CAIN
HOBBS NM, 88240
Fax To: (575) 397-1471

Received: 02/14/2014
Reported: 02/21/2014
Project Name: MAX FRIESS MA #1
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 02/12/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: PT. 3 @ SURFACE (H400449-05)

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	02/20/2014	ND	2.46	123	2.00	2.42	
Toluene*	<0.050	0.050	02/20/2014	ND	2.17	108	2.00	2.14	
Ethylbenzene*	<0.050	0.050	02/20/2014	ND	2.18	109	2.00	3.74	
Total Xylenes*	<0.150	0.150	02/20/2014	ND	6.35	106	6.00	3.42	
Total BTEx	<0.300	0.300	02/20/2014	ND					

Surrogate: Dibromofluoromethane 105 % 61.3-142
Surrogate: Toluene-d8 96.3 % 71.3-129
Surrogate: 4-Bromofluorobenzene 104 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3440	16.0	02/18/2014	ND	400	100	400	0.00		
TPH 8015M		mg/kg		Analyzed By: ms						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	02/17/2014	ND	192	96.0	200	7.22		
DRO >C10-C28	6720	10.0	02/17/2014	ND	187	93.7	200	11.7		

Surrogate: 1-Chlorooctane 107 % 65.2-140
Surrogate: 1-Chlorooctadecane 222 % 63.6-154

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Analytical Results For:

RICE ENVIRONMENTAL CONSULTING & SAFETY
JACOB KAMPLAIN
419 W. CAIN
HOBBS NM, 88240
Fax To: (575) 397-1471

Received: 02/14/2014
Reported: 02/21/2014
Project Name: MAX FRIESS MA #1
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 02/12/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: PT. 3 @ 6" (H400449-06)

BTX 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	02/20/2014	ND	2.46	123	2.00	2.42	
Toluene*	<0.050	0.050	02/20/2014	ND	2.17	108	2.00	2.14	
Ethylbenzene*	<0.050	0.050	02/20/2014	ND	2.18	109	2.00	3.74	
Total Xylenes*	<0.150	0.150	02/20/2014	ND	6.35	106	6.00	3.42	
Total BTX	<0.300	0.300	02/20/2014	ND					

Surrogate: Dibromofluoromethane 104 % 61.3-142
Surrogate: Toluene-d8 93.9 % 71.3-129
Surrogate: 4-Bromofluorobenzene 105 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3000	16.0	02/18/2014	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	02/18/2014	ND	192	96.0	200	7.22	
DRO >C10-C28	27.5	10.0	02/18/2014	ND	187	93.7	200	11.7	

Surrogate: 1-Chlorooctane 102 % 65.2-140
Surrogate: 1-Chlorooctadecane 111 % 63.6-154

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RICE ENVIRONMENTAL CONSULTING & SAFETY
JACOB KAMPLAIN
419 W. CAIN
HOBBS NM, 88240
Fax To: (575) 397-1471

Received: 02/14/2014
Reported: 02/21/2014
Project Name: MAX FRIESS MA #1
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 02/12/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: PT. 3 @ 1' (H400449-07)

BTX 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	02/20/2014	ND	2.46	123	2.00	2.42	
Toluene*	<0.050	0.050	02/20/2014	ND	2.17	108	2.00	2.14	
Ethylbenzene*	<0.050	0.050	02/20/2014	ND	2.18	109	2.00	3.74	
Total Xylenes*	<0.150	0.150	02/20/2014	ND	6.35	106	6.00	3.42	
Total BTX	<0.300	0.300	02/20/2014	ND					

Surrogate: Dibromofluoromethane 110 % 61.3-142
Surrogate: Toluene-d8 96.4 % 71.3-129
Surrogate: 4-Bromofluorobenzene 101 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1880	16.0	02/18/2014	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	02/18/2014	ND	192	96.0	200	7.22	
DRO >C10-C28	32.8	10.0	02/18/2014	ND	187	93.7	200	11.7	

Surrogate: 1-Chlorooctane 113 % 65.2-140
Surrogate: 1-Chlorooctadecane 127 % 63.6-154

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RICE ENVIRONMENTAL CONSULTING & SAFETY
JACOB KAMPLAIN
419 W. CAIN
HOBBS NM, 88240
Fax To: (575) 397-1471

Received: 02/14/2014
Reported: 02/21/2014
Project Name: MAX FRIESS MA #1
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 02/12/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: PT. 4 @ SURFACE (H400449-08)

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	02/20/2014	ND	2.46	123	2.00	2.42	
Toluene*	<0.050	0.050	02/20/2014	ND	2.17	108	2.00	2.14	
Ethylbenzene*	<0.050	0.050	02/20/2014	ND	2.18	109	2.00	3.74	
Total Xylenes*	<0.150	0.150	02/20/2014	ND	6.35	106	6.00	3.42	
Total BTEx	<0.300	0.300	02/20/2014	ND					

Surrogate: Dibromofluoromethane 101 % 61.3-142
Surrogate: Toluene-d8 94.6 % 71.3-129
Surrogate: 4-Bromofluorobenzene 101 % 65.7-141

Chloride, SM4500Cl-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	02/18/2014	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	02/18/2014	ND	192	96.0	200	7.22	
DRO >C10-C28	<10.0	10.0	02/18/2014	ND	187	93.7	200	11.7	

Surrogate: 1-Chlorooctane 103 % 65.2-140
Surrogate: 1-Chlorooctadecane 106 % 63.6-154

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Analytical Results For:

RICE ENVIRONMENTAL CONSULTING & SAFETY
JACOB KAMPLAIN
419 W. CAIN
HOBBS NM, 88240
Fax To: (575) 397-1471

Received: 02/14/2014
Reported: 02/21/2014
Project Name: MAX FRIESS MA #1
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 02/12/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: PT. 4 @ 6" (H400449-09)

BTX 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	02/20/2014	ND	2.46	123	2.00	2.42	
Toluene*	<0.050	0.050	02/20/2014	ND	2.17	108	2.00	2.14	
Ethylbenzene*	<0.050	0.050	02/20/2014	ND	2.18	109	2.00	3.74	
Total Xylenes*	<0.150	0.150	02/20/2014	ND	6.35	106	6.00	3.42	
Total BTX	<0.300	0.300	02/20/2014	ND					

Surrogate: Dibromofluoromethane 100 % 61.3-142
Surrogate: Toluene-d8 95.5 % 71.3-129
Surrogate: 4-Bromofluorobenzene 104 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	02/18/2014	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	02/18/2014	ND	192	96.0	200	7.22	
DRO >C10-C28	<10.0	10.0	02/18/2014	ND	187	93.7	200	11.7	

Surrogate: 1-Chlorooctane 104 % 65.2-140
Surrogate: 1-Chlorooctadecane 111 % 63.6-154

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Analytical Results For:

RICE ENVIRONMENTAL CONSULTING & SAFETY
JACOB KAMPLAIN
419 W. CAIN
HOBBS NM, 88240
Fax To: (575) 397-1471

Received: 02/14/2014
Reported: 02/21/2014
Project Name: MAX FRIESS MA #1
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 02/12/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: PT. 5 @ SURFACE (H400449-10)

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	02/20/2014	ND	2.46	123	2.00	2.42	
Toluene*	<0.050	0.050	02/20/2014	ND	2.17	108	2.00	2.14	
Ethylbenzene*	<0.050	0.050	02/20/2014	ND	2.18	109	2.00	3.74	
Total Xylenes*	<0.150	0.150	02/20/2014	ND	6.35	106	6.00	3.42	
Total BTEx	<0.300	0.300	02/20/2014	ND					

Surrogate: Dibromofluoromethane 108 % 61.3-142
Surrogate: Toluene-d8 96.7 % 71.3-129
Surrogate: 4-Bromofluorobenzene 102 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	02/18/2014	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	02/18/2014	ND	192	96.0	200	7.22	
DRO >C10-C28	<10.0	10.0	02/18/2014	ND	187	93.7	200	11.7	

Surrogate: 1-Chlorooctane 107 % 65.2-140
Surrogate: 1-Chlorooctadecane 112 % 63.6-154

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Analytical Results For:

RICE ENVIRONMENTAL CONSULTING & SAFETY
JACOB KAMPLAIN
419 W. CAIN
HOBBS NM, 88240
Fax To: (575) 397-1471

Received: 02/14/2014
Reported: 02/21/2014
Project Name: MAX FRIESS MA #1
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 02/12/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: PT. 5 @ 1' (H400449-11)

BTX 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	02/20/2014	ND	2.46	123	2.00	2.42	
Toluene*	<0.050	0.050	02/20/2014	ND	2.17	108	2.00	2.14	
Ethylbenzene*	<0.050	0.050	02/20/2014	ND	2.18	109	2.00	3.74	
Total Xylenes*	<0.150	0.150	02/20/2014	ND	6.35	106	6.00	3.42	
Total BTX	<0.300	0.300	02/20/2014	ND					

Surrogate: Dibromofluoromethane 103 % 61.3-142

Surrogate: Toluene-d8 96.9 % 71.3-129

Surrogate: 4-Bromofluorobenzene 103 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	912	16.0	02/18/2014	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	02/18/2014	ND	192	96.0	200	7.22	
DRO >C10-C28	<10.0	10.0	02/18/2014	ND	187	93.7	200	11.7	

Surrogate: 1-Chlorooctane 112 % 65.2-140

Surrogate: 1-Chlorooctadecane 118 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

RICE ENVIRONMENTAL CONSULTING & SAFETY
JACOB KAMPLAIN
419 W. CAIN
HOBBS NM, 88240
Fax To: (575) 397-1471

Received: 02/14/2014
Reported: 02/21/2014
Project Name: MAX FRIESS MA #1
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 02/12/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: PT. 5 @ 2' (H400449-12)

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	02/20/2014	ND	2.46	123	2.00	2.42	
Toluene*	<0.050	0.050	02/20/2014	ND	2.17	108	2.00	2.14	
Ethylbenzene*	<0.050	0.050	02/20/2014	ND	2.18	109	2.00	3.74	
Total Xylenes*	<0.150	0.150	02/20/2014	ND	6.35	106	6.00	3.42	
Total BTEx	<0.300	0.300	02/20/2014	ND					

Surrogate: Dibromofluoromethane 105 % 61.3-142
Surrogate: Toluene-d8 94.5 % 71.3-129
Surrogate: 4-Bromofluorobenzene 102 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	02/18/2014	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	02/18/2014	ND	192	96.0	200	7.22	
DRO >C10-C28	<10.0	10.0	02/18/2014	ND	187	93.7	200	11.7	

Surrogate: 1-Chlorooctane 93.6 % 65.2-140
Surrogate: 1-Chlorooctadecane 97.5 % 63.6-154

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Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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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101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603
(505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325) 673-7020

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Rice Operating RECS</u>		BILL TO		ANALYSIS REQUEST																					
Project Manager: <u>Kyle Norman Jacob Kamplain</u>		P.O. #:		<div style="display: flex; flex-direction: column; align-items: center;"> <div>Chlorides</div> <div>TPH 8015 M</div> <div>BTEX</div> <div>Texas TPH</div> <div>Complete Cations/Anions</div> <div>TDS</div> </div>																					
Address: <u>112 W. Taylor</u>		Company:																							
City: <u>Hobbs</u> State: <u>NM</u> Zip: <u>88240</u>		Attn:																							
Phone #: Fax #:		Address:																							
Project #: Project Owner:		City:																							
Project Name:		State: Zip:																							
Project Location: <u>Max Flores M&H 1</u>		Phone #:																							
Sampler Name: <u>Dylan Yarbrough Jonathan Flores</u>		Fax #:																							
FOR LAB USE ONLY	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										
	<u>H400449</u>													<u>2-12-14</u>	<u>4:40</u>										
	<u>11</u>	<u>pt 5 @ 1'</u>	<u>6</u>	<u>1</u>			<u>/</u>					<u>/</u>		<u>2-12-14</u>	<u>4:45</u>										
	<u>12</u>	<u>pt 5 @ 2'</u>	<u>6</u>	<u>1</u>			<u>/</u>					<u>/</u>													

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 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 services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	Date: <u>2-12-14</u>	Received By:	Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Phone #:
<u>Jonathan Flores</u>	Time: <u>12:05</u>	<u>Spai Stenson</u>	Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:	
	Time:		email results jflores@rice-ecs.com j.kamplain@rice-ecs.com	
Delivered By: (Circle One)			knorman@rice-ecs.com; hconder@rice-ecs.com;	
Sampler - UPS - Bus - Other:	Sample Condition		Lweinheimer@rice-ecs.com; kjones@riceswd.com;	
	Cool Intact	CHECKED BY:	Lpena@riceswd.com; dyarbrough@rice-ecs.com	
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<u>[Signature]</u>	LFlores@rice-ecs.com	

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

#54

April 01, 2014

JACOB KAMPLAIN

RICE ENVIRONMENTAL CONSULTING & SAFETY LLC

419 W. CAIN

HOBBS, NM 88240

RE: MAX FRIESS MA #1

Enclosed are the results of analyses for samples received by the laboratory on 03/25/14 15:55.

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 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,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

RICE ENVIRONMENTAL CONSULTING & SAFETY
JACOB KAMPLAIN
419 W. CAIN
HOBBS NM, 88240
Fax To: (575) 397-1471

Received:	03/25/2014	Sampling Date:	03/25/2014
Reported:	04/01/2014	Sampling Type:	Soil
Project Name:	MAX FRIESS MA #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: PT. 3 VERTICAL 2.5' (H400889-01)

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	03/31/2014	ND	2.48	124	2.00	12.9	
Toluene*	<0.050	0.050	03/31/2014	ND	2.36	118	2.00	12.8	
Ethylbenzene*	<0.050	0.050	03/31/2014	ND	2.32	116	2.00	13.3	
Total Xylenes*	<0.150	0.150	03/31/2014	ND	6.70	112	6.00	12.8	
Total BTX	<0.300	0.300	03/31/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	03/28/2014	ND	416	104	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	03/28/2014	ND	215	108	200	6.62	
DRO >C10-C28	<10.0	10.0	03/28/2014	ND	196	98.2	200	1.52	

Surrogate: 1-Chlorooctane 67.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 71.3 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

RICE ENVIRONMENTAL CONSULTING & SAFETY
JACOB KAMPLAIN
419 W. CAIN
HOBBS NM, 88240
Fax To: (575) 397-1471

Received: 03/25/2014
Reported: 04/01/2014
Project Name: MAX FRIESS MA #1
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 03/25/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: PT. 3 VERTICAL 3' (H400889-02)

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	04/01/2014	ND	2.48	124	2.00	12.9	
Toluene*	<0.050	0.050	04/01/2014	ND	2.36	118	2.00	12.8	
Ethylbenzene*	<0.050	0.050	04/01/2014	ND	2.32	116	2.00	13.3	
Total Xylenes*	<0.150	0.150	04/01/2014	ND	6.70	112	6.00	12.8	
Total BTEx	<0.300	0.300	04/01/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	03/28/2014	ND	416	104	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	03/28/2014	ND	215	108	200	6.62	
DRO >C10-C28	57.0	10.0	03/28/2014	ND	196	98.2	200	1.52	

Surrogate: 1-Chlorooctane 93.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 104 % 63.6-154

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

RICE ENVIRONMENTAL CONSULTING & SAFETY
JACOB KAMPLAIN
419 W. CAIN
HOBBS NM, 88240
Fax To: (575) 397-1471

Received:	03/25/2014	Sampling Date:	03/25/2014
Reported:	04/01/2014	Sampling Type:	Soil
Project Name:	MAX FRIESS MA #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: PT. 4 VERTICAL SURFACE (H400889-03)

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	04/01/2014	ND	2.48	124	2.00	12.9	
Toluene*	<0.050	0.050	04/01/2014	ND	2.36	118	2.00	12.8	
Ethylbenzene*	<0.050	0.050	04/01/2014	ND	2.32	116	2.00	13.3	
Total Xylenes*	<0.150	0.150	04/01/2014	ND	6.70	112	6.00	12.8	
Total BTX	<0.300	0.300	04/01/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	03/31/2014	ND	416	104	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	03/28/2014	ND	215	108	200	6.62	
DRO >C10-C28	<10.0	10.0	03/28/2014	ND	196	98.2	200	1.52	

Surrogate: 1-Chlorooctane 85.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 89.3 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

RICE ENVIRONMENTAL CONSULTING & SAFETY
JACOB KAMPLAIN
419 W. CAIN
HOBBS NM, 88240
Fax To: (575) 397-1471

Received:	03/25/2014	Sampling Date:	03/25/2014
Reported:	04/01/2014	Sampling Type:	Soil
Project Name:	MAX FRIESS MA #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: PT. 4 VERTICAL 6" (H400889-04)

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	04/01/2014	ND	2.48	124	2.00	12.9		
Toluene*	<0.050	0.050	04/01/2014	ND	2.36	118	2.00	12.8		
Ethylbenzene*	<0.050	0.050	04/01/2014	ND	2.32	116	2.00	13.3		
Total Xylenes*	<0.150	0.150	04/01/2014	ND	6.70	112	6.00	12.8		
Total BTX	<0.300	0.300	04/01/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 89.4-126

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	03/31/2014	ND	416	104	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	03/28/2014	ND	215	108	200	6.62	
DRO >C10-C28	35.6	10.0	03/28/2014	ND	196	98.2	200	1.52	

Surrogate: 1-Chlorooctane 94.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 95.0 % 63.6-154

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*=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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Celey D. Keene, Lab Director/Quality Manager



ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603
(505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325) 673-7020

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO										ANALYSIS REQUEST											
Company Name: RECS										P.O. #:											
Project Manager: JACOB KAMPLAIN										Company:											
Address:										Attn:											
City: Hobbs State: NM Zip: 88240										Address:											
Phone #: Fax #:										City:											
Project #: Project Owner:										State: Zip:											
Project Name: Linn Energy										Phone #:											
Project Location: Max field MA#1										Fax #:											
Sampler Name: JOSHUA BALCOM																					
FOR LAB USE ONLY		Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.		SAMPLING		Chlorides	TPH 8015 M	BTEX	Texas TPH	Complete Cations/Anions	TDS
						GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE:	ICE / COOL	OTHER	DATE						
		H40D989																			
	1	Pt. 3 Vertical 2.5'	G	1											3-25-14	12:00					
	2	Pt. 3 Vertical 3'	G	1												12:05					
	3	Pt. 4 Vertical Surface	G	1												12:10					
	4	Pt. 4 Vertical 6'	G	1												12:03					

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Relinquished By:		Date: 3/25/14	Received By:	Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Phone #:
Time: 3:55				Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Fax #:
Relinquished By:		Date:	Received By:	REMARKS:	
Time:				email results	
Delivered By: (Circle One)		Sample Condition		CHECKED BY:	
Sampler - UPS - Bus - Other:		Cool <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Knorman@rice-ecs.com jbalcom@rice-ecs.com	
				Kjones@riceswd.com; jkamplain@rice-ecs.com	
				hconder@rice-ecs.com; Lweinheimer@rice-ecs.com	

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

#54

Appendix C

Final Sampling Labs

RICE Environmental Consulting and Safety (RECS)
P.O. Box 2948 Hobbs, NM 88241
Phone 575.393.2967

May 01, 2014

JACOB KAMPLAIN

RICE ENVIRONMENTAL CONSULTING & SAFETY LLC

419 W. CAIN

HOBBS, NM 88240

RE: MAX FRIESS MA #1

Enclosed are the results of analyses for samples received by the laboratory on 04/30/14 16:20.

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.

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

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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

Analytical Results For:

RICE ENVIRONMENTAL CONSULTING & SAFETY
JACOB KAMPLAIN
419 W. CAIN
HOBBS NM, 88240
Fax To: (575) 397-1471

Received:	04/30/2014	Sampling Date:	04/30/2014
Reported:	05/01/2014	Sampling Type:	Soil
Project Name:	MAX FRIESS MA #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: 5 PT COMP 1.5' EXC (H401308-01)

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	05/01/2014	ND	2.03	102	2.00	1.90	
Toluene*	<0.050	0.050	05/01/2014	ND	2.03	102	2.00	2.53	
Ethylbenzene*	<0.050	0.050	05/01/2014	ND	2.01	101	2.00	3.40	
Total Xylenes*	<0.150	0.150	05/01/2014	ND	6.14	102	6.00	5.05	
Total BTEX	<0.300	0.300	05/01/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	800	16.0	05/01/2014	ND	416	104	400	3.92	

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	05/01/2014	ND	184	92.1	200	3.15	
DRO >C10-C28	<10.0	10.0	05/01/2014	ND	203	101	200	3.24	

Surrogate: 1-Chlorooctane 98.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 91.3 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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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

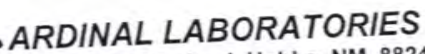
Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



RDINAL LABORATORIES
101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603
(505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325) 673-7020

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

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 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 services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

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Relinquished By: <i>Kyle Schmitt</i>	Date: <i>4-30-14</i>	Received By: <i>Jodi Benson</i>	Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Add'l Phone #:
	Time: <i>4:20</i>		Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS: email results Knorman@rice-ecs.com <i>lfbrns@rice-ecs.com</i> Kjones@riceswd.com; jkamplain@rice-ecs.com hconder@rice-ecs.com; Lweinheimer@rice-ecs.com
	Time:		
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> <input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No	CHECKED BY: <i>[Signature]</i> (Initials)	

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

A54



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

June 11, 2014

JACOB KAMPLAIN

RICE ENVIRONMENTAL CONSULTING & SAFETY LLC

419 W. CAIN

HOBBS, NM 88240

RE: MAX FRIESS MA #1

Enclosed are the results of analyses for samples received by the laboratory on 06/10/14 15:50.

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/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:

 RICE ENVIRONMENTAL CONSULTING & SAFETY
 JACOB KAMPLAIN
 419 W. CAIN
 HOBBS NM, 88240
 Fax To: (575) 397-1471

Received:	06/10/2014	Sampling Date:	06/10/2014
Reported:	06/11/2014	Sampling Type:	Soil
Project Name:	MAX FRIESS MA #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: 5 PT. COMP IMPORT SOIL (H401767-01)

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	06/11/2014	ND	416	104	400	3.77	

Sample ID: 5 PT. COMP BLENDED CALICHE (H401767-02)

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	06/11/2014	ND	2.00	99.9	2.00	2.96	
Toluene*	<0.050	0.050	06/11/2014	ND	2.15	107	2.00	3.33	
Ethylbenzene*	<0.050	0.050	06/11/2014	ND	1.92	96.2	2.00	3.37	
Total Xylenes*	<0.150	0.150	06/11/2014	ND	5.97	99.5	6.00	3.41	
Total BTEX	<0.300	0.300	06/11/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 89.4-126

Chloride, SM4500CI-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	06/11/2014	ND	416	104	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	06/11/2014	ND	173	86.4	200	6.38	
DRO >C10-C28	<10.0	10.0	06/11/2014	ND	173	86.3	200	6.55	

Surrogate: 1-Chlorooctane 73.0 % 65.2-140

Surrogate: 1-Chlorooctadecane 73.6 % 63.6-154

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

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603
(505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325) 673-7020

RUSH!!

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: RECS				P.O. #:				ANALYSIS REQUEST																			
Project Manager: Laura Flores, Jacob Kamplain				Company:				<div>Chlorides</div> <div>TPH 8015 M</div> <div>BTEX</div> <div>Texas TPH</div> <div>Complete Cations/Anions</div> <div>TDS</div>																			
Address:				Attn:																							
City: Hobbs State: NM Zip: 88240				Address:																							
Phone #: Fax #:				City:																							
Project #: Project Owner:				State: Zip:																							
Project Name:				Phone #:																							
Project Location: Max Friess MAH1				Fax #:																							
Sampler Name: Kyle Schnaidt																											
FOR LAB USE ONLY		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															
H401767						C1		K				K		6-10-14 2:15		X											
1 5 point composite import soil						C1		K				K		6-10-14 2:20		X X X											
2 5 point composite blend of caliche																											

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Relinquished By:	Date: 6-10-14	Received By:	Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Phone #:
Kyle Schnaidt	Time: 3:50	Jodi Henson	Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:	
	Time:		email: hconder@riceswd.com; lflores@rice-ecs.com;	
Delivered By: (Circle One)			lweinheimer@rice-ecs.com; knorman@rice-ecs.com;	
Sampler - UPS - Bus - Other:			jkamplain@rice-ecs.com; sedwards@rice-ecs.com;	
			cursanic@rice-ecs.com	
			Environmental Tech: @rice-ecs.com	

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#54

Appendix D

Photo Documentation

RICE Environmental Consulting and Safety (RECS)
P.O. Box 2948 Hobbs, NM 88241
Phone 575.393.2967

Linn Max Friess #1

Unit Letter B, Section 30, T17S, R31E



Initial site photo, facing southeast 2/12/14



Hand auguring for depth, facing southwest 2/12/14



GPS mapping site, facing northeast 2/12/14



Line spot using a hydrovac, facing southwest 2/21/14



Installing verticals, facing southeast 3/25/14



Excavating site to 1.5 ft, facing northeast 4/28/14



Completed 1.5 ft excavation, facing southeast 4/29/14



Scraping caliche from the pad, facing southwest 4/29/14



Exporting soil, facing northeast

4/30/14



Conducting excavation around well head, facing northwest

5/1/14



Importing soil, facing south

5/2/14



Blending the caliche, facing southwest

5/5/14



Constructing berms, facing southwest 5/6/14



Backfilling the scrapes and excavation, facing north 5/7/14



Backfilling completed, facing northwest 5/13/14



Backfilling completed, facing southeast 5/13/14



Tilling site prior to seeding, facing north 5/13/14



Seeding site, facing west 5/13/14



Site completed, facing north 5/13/14



Site completed, facing west 5/13/14

Appendix E

Final C-141

RICE Environmental Consulting and Safety (RECS)
P.O. Box 2948 Hobbs, NM 88241
Phone 575.393.2967

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	Contact	Brian Wall
Address	2130 W. Bender, Hobbs, NM 88240	Telephone No.	(806) 367-0645
Facility Name	Max Friess #1	Facility Type	Injection well
Surface Owner	BLM	Mineral Owner	BLM
		API No.	3001505459

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
B	30	17S	31E	660	N	1980	E	Eddy

Latitude 32°48'39.1" Longitude -103°54'24.6"

NATURE OF RELEASE

Type of Release	Produced Water/Oil	Volume of Release	2/8	Volume Recovered	0.5/1
Source of Release	Tank	Date and Hour of Occurrence	11/15/2011 4:54pm	Date and Hour of Discovery	11/15/2011 5:15pm
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	M. Bratcher – NMOCD / T. Gregston - BLM		
By Whom?	Joe Hernandez	Date and Hour	11/16/2011 10:00am		
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.* Tied 500 bbl flow back to well head to flow back for acid job, well flowed at steady for 5hr and well kicked off overflowed tank oil/produced water came out top. Flow direction SW off location, N NW, on location and then off location. Contractor drove up to location as tank started to run over, and shut well in. Called vac truck.

Describe Area Affected and Cleanup Action Taken.* A total of 10,756 square feet of lease pad and pasture land was affected by the release. RECS personnel were on site beginning on February 6th, 2014 to assess the site. Five points throughout the release were sampled at the surface and with depth. Representative samples were taken to a commercial laboratory for analysis. Based on the laboratory data, a Corrective Action Plan (CAP) was submitted to NMOCD and BLM on April 21st, 2014. BLM approved the CAP on April 28th, 2014 and NMOCD approved the CAP on April 29th, 2014. Corrective actions began at the site on April 28th, 2014. The site was excavated to a depth of 1.5 ft bgs as approved in the CAP. A total of 512 cubic yards of contaminated soil was taken to a NMOCD approved facility for disposal. At the base of the 1.5 ft excavation, a 5 point bottom composite sample was taken and sent to a commercial laboratory for analysis. The 5 point composite returned a laboratory chloride value of 800 mg/kg and GRO, DRO and BTEX results of non-detect. The caliche on the pad was scraped up as part of the reclamation activities. A request to backfill the site was sent to NMOCD and BLM on May 5th, 2014. BLM approved the site to be backfilled on May 6th, 2014, and NMOCD approved the site to be backfilled on May 7th, 2014. A total of 24 cubic yards of caliche and 552 cubic yards of top soil were imported to the site. The imported caliche was blended with the scraped caliche. Composite samples of the imported top soil and the blended caliche were taken to a commercial laboratory for analysis. The imported top soil returned a laboratory chloride reading of non-detect. The blended caliche returned a laboratory chloride reading of 160 mg/kg and GRO, DRO and BTEX results of non-detect. The scraped areas and excavated areas were backfilled with the imported top soil and contoured to the surrounding location. The blended caliche was used to create berms along the lease road to inhibit vehicular traffic and provide erosion controls. On May 13th, 2014, the site was seeded with LPC mix.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: <i>Fred B Wall</i>	OIL CONSERVATION DIVISION		
Printed Name: Brian Wall	Approved by Environmental Specialist:		
Title: Construction Foreman II	Approval Date:	Expiration Date:	
E-mail Address: Bwall@linenergy.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: 7/30/14	Phone: (806) 367-0645		

Appendix F

Re-Vegetation Form

RICE Environmental Consulting and Safety (RECS)
P.O. Box 2948 Hobbs, NM 88241
Phone 575.393.2967



PO Box 5630
Hobbs, NM 88241
Phone: (575) 393-4411
Fax: (575) 393-0293

REVEGETATION FORM

1. General Information

Site name: Linn Energy Max Friess MA #1						
U/L B	Section 30	Township 17S	Range 31E	County Eddy	Latitude	Longitude
Contact Name: Jacob Kamplain						
Email: JKamplain@rice-ecs.com						
Site size: 16,500		square feet		Map detail of site attached <input type="checkbox"/>		
Additional information:						

2. Soils

**Do not rip caliche subsoils; caliche rocks brought to the surface by ripping shall be removed.*

Salvaged from site <input type="checkbox"/>	Bioremediated <input type="checkbox"/>	Imported <input checked="" type="checkbox"/>	Blended <input type="checkbox"/>	Depth (in):	
Texture:		Describe soil & subsoil: Top Soil			
Soil prep methods:	Rip <input type="checkbox"/>	Depth(in):	Disc <input checked="" type="checkbox"/>	Depth (in):	Rollerpack <input type="checkbox"/>
Date completed:					

3. Bioremediation

Fertilizer <input type="checkbox"/>	Hay <input type="checkbox"/>	Other <input type="checkbox"/>
Type:		Describe:
Lbs/acre:		

4. Seeding

**Attach seed bag tags to this form. Seed bag tags shall contain the site name and S-T-R.*

Custom seed mix <input type="checkbox"/>	Prescribed mix <input checked="" type="checkbox"/>	Seed mix name: 25 LBS of LPC Mix	Seeding date: 5/13/14
Broadcast <input checked="" type="checkbox"/>			
Method: Seeder			
Soil conditions during seeding: Dry <input checked="" type="checkbox"/> Damp <input type="checkbox"/> Wet <input type="checkbox"/>			
Photos attached <input checked="" type="checkbox"/>	Observations:		
Number of photos:			

5. Certification

I hereby certify that the information in this form and attachments is true and complete to the best of my knowledge and belief.

Name: Jose Flores	Title: Gang Pusher	Date: 5/13/14
Signature: <i>Jose Flores</i>		