



Remediation Summary Report Form

General Information

This section provides general information about the operator and the site where the spill occurred.

Date: Octob	er 22, 2012			
Client: LINN	Energy			
Site Name: Ma	x Friess 2		County: Eddy	State: NM
Site Coordinat	es Latitude:	32° 48' 46.5"		
	Longitude:	103° 54' 13.7"		
Property Owne	er: BLM			
State Report N	o.: NU12045TG	i		
Release Desc	ription and Asse	<u>essment</u>		
The informatio	on below is related	to the spill (Date, Ty	pe, Cause and Quantity) and f	the area impacted.
Date of Spill:	12/13/2011			
Type of Spill:	🗍 Oil 🛛 Prod	iuced Water 🛛 Co	ondensate 🗍 Other (Sp	ecifv):

				(-F)/-	
Cause of Spill:	Equipment Failure	Ualve Failure	🛛 Line Rupture	Leaking Tank	🗍 Tank Overfill
	Other (List):				

Other Contributing Factors or Comments:

Quantity Spilled: 40 bbls. Quantity Recovered: 35 bbls. Total Released: 5 bbls.

Method of Recovery:	🖾 Vacuum Truck	Other (Specify):
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OCD Notified: Xes No C-141 Completed and Submitted: Xes No

Spill Area Impacted:	Inside Firewall	On Production Pad	🛛 In Pasture	In Cultivated Land
	Other (List):			
Total Square Footage	Impacted: 20,400	Estimated Depth: 1-5'	Volume (Cu. Yds	s): 3022

Other Comments:

Remediation Activity Summary

The following summarizes the activities used to remediate the spill.

The Max Friess #2 injection line was re-ruptured during the backfill process of the original spill. Backfill operations were halted, and the ruptured line was excavated and repaired. Impacted soils above regulatory threshold levels were manually and mechanically excavated from the spill area, and the correct sampling procedures were followed.

Impacted soils were transported off-site to Lea Land Landfill. Once the impacted soils were removed to acceptable levels, the production pad and pasture areas were backfilled with like materials and smoothed to grade, then the pasture area was seeded with a BLM mix #2 & #4. Water bars were installed to prevent wind and water erosion.

All side walls of the excavation below the regulatory threshold levels of 1,000 mg/kg. The bottom of the excavation still has elevated levels of chlorides ranging from 2320 to 4480 mg/kg. Numerous lines have been encountered within the confines of the excavation including a 3" high pressure fiberglass line, 4" poly to steel line, 4" poly line. The lines traverse through all parts of the excavation. The presence of the lines has restricted further excavation due to safety concerns.

LINN proposed to apply a calcium amendment to the bottom of the excavation (gypsum) then backfill with clean compacted fill material to within 1.5 - 2 feet of surface then complete the backfill with compatible soil which is conducive to growing vegetation.

Analytical Summary

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Т				ampling Analytic: H (mg/kg)] & Chlo	al Results prides [Chl (mg/kg)]	
Sample #	Depth (ft)	Date	TPH C6- C10	TPH C10-C28	Total TPH	Chi
SP1 Bottom	6	4/09/2012				2320
SP1 North Wall	3	4/09/2012				1020
SP1 West Wall	3	4/09/2012				48
SP1 East Wall	3	4/09/2012				336
SP2 Bottom	6	4/09/2012				4040
SP2 East Wall	3	7/18/2012				<16.0
SP2 West Wall	3	4/09/2012				80
SP3 Bottom	6	4/09/2012				1220
SP3 West Wall	3	4/09/2012				160
SP3 East Wall	3	4/09/2012				272
SP4 Bottom	6	4/09/2012				2640
SP4 East Wall	3	4/09/2012				384
SP4 West Wall	3	4/09/2012				1040
SP5 Bottom	6	4/09/2012				4480
SP5 West Wall	3	7/18/2012				16
SP5 East Wall	3	4/09/2012				1090
SP6 Bottom	6	4/09/2012				2800
SP6 West Wall	3	4/09/2012				128
SP6 East Wall	3	7/18/2012				<16.0
SP6 South Wall	3	7/18/2012				912
		Sample	es taken afte	er the second spi		
SP1 Bottom	6	8/09/2012				288
SP1 East Wall	3	8/09/2012				592
SP2 Bottom	6	8/09/2012				3840
SP3 Bottom	6	8/09/2012				240
SP4 Bottom	6	8/09/2012				2200

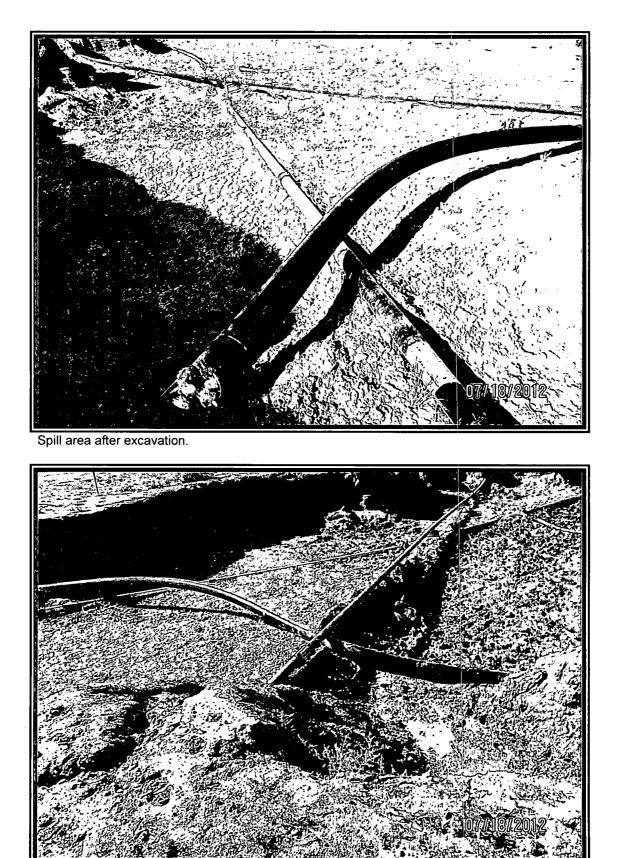
Results of analyses following remediation activities are as follows:

* ND = Non-Detect; concentration below mg/kg.

A review of the analytical data indicated the sample is within the Oil Conservation Division (OCD) regulatory threshold limits. Based upon this information it has been determined that remediation of the site is complete. Copies of analytical reports, seed tickets, photographs, BLM closure and final C-141 are attached.

Prepared by:

Kit Prichard Etech Environmental & Safety Solutions, Inc.



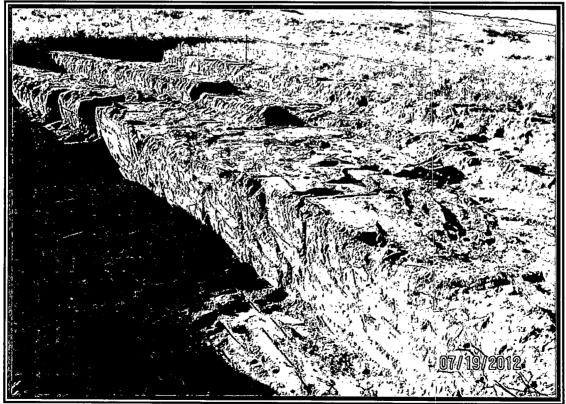
Spill area after excavation.



Spill area before backfill.

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Spill area before backfill.



Spill area during backfill.



Spill area during backfill.



August 13, 2012

FRED HOLMES

ETECH Environmental & Safety Solutions, Inc.

P. O. BOX 8469

MIDLAND, TX 79708

RE: MAX FRIESS #2

Enclosed are the results of analyses for samples received by the laboratory on 08/09/12 16:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. 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 accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab accredited analytes and water and solid and solid and solid analytes and water analytes analytes and water analytes and water analytes and water analytes and water analytes ana

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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)

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,

Celeg D. Keine

Celey D. Keene Lab Director/Quality Manager



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Analytical Results For:

ETECH Environmental & Safety Solutions, Inc. FRED HOLMES P. O. BOX 8469 MIDLAND TX, 79708 Fax To: (432) 563-2213

Received:	08/09/2012	Sampling Date:	08/09/2012
Reported:	08/13/2012	Sampling Type:	Soil
Project Name:	MAX FRIESS #2	Sampling Condition:	** (See Notes)
Project Number:	253-3146-000	Sample Received By:	Jodi Henson
Project Location:	LOCO HILLS, NM		

Sample ID: SP 1 BOTTOM 6' (H201855-01)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	08/13/2012	ND	416	104	400	0.00	

Sample ID: SP 1 E WALL 3' (H201855-02)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	592	16.0	08/13/2012	ND	416	104	400	0.00	

Sample ID: SP 2 BOTTOM 6' (H201855-03)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3840	16.0	08/13/2012	ND	416	104	400	0.00	

Sample ID: SP 3 BOTTOM 6' (H201855-04)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	08/13/2012	ND	416	104	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whitsoever shall be deemed walved unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including those for negligence and uncluding, whithin thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including those for nord to an other the services because the services arise or based or the services because the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This reproduced except in full with writen approval of Cardinal Laboratories.

Celeg Di Keene

Celey D. Keene, Lab Director/Quality Manager

Page 2 of 5



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Analytical Results For:

ETECH Environmental & Safety Solutions, Inc. FRED HOLMES P. O. BOX 8469 MIDLAND TX, 79708 Fax To: (432) 563-2213

Received:	08/09/2012	Sampling Date:	08/09/2012
Reported:	08/13/2012	Sampling Type:	Soil
Project Name:	MAX FRIESS #2	Sampling Condition:	** (See Notes)
Project Number:	253-3146-000	Sample Received By:	Jodi Henson
Project Location:	LOCO HILLS, NM		

Sample ID: SP 4 BOTTOM 6' (H201855-05)

Chloride, SM4500CI-B	mg/	kg Analyzed By: HM							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2200	16.0	08/13/2012	ND	416	104	400	0.00	

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Celeg Di Kune

Celey D. Keene, Lab Director/Quality Manager

Page 3 of 5



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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 SM4500CI-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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Celez Di Kune

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

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Project Manage	Free Holmes		P.O. #:	Ī								
Address:	· •		Company:									
City:	State:	Zip:	Attn:									
Phone #:	Fax #:		Address:									
Project #: 25	3-3:46-000 Project Owne	r:	City:									
Project Name:	Max Friess #2		State: Zip:				1					
Project Location	n: Eddy county		Phone #:									
Sampler Name:	Terry Osbern		Fax #:									
FOR LAB USE ONLY			PRESERV. SAMPL	ING								
Lab I.D. <u>H20185</u> *	Sample I.D. SP: Bottom 6: SP: E. wall 31 SP2 Bottom 6: SP3 Bottom 6: SP4 Bottom 6:	(G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER • SOIL OIL	ated other:	TIME	- 0 -							
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Relinguished B	y: Date:	Received By:		1								

CHECKED BY:

(Initials)

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

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Sample Condition

Time:

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:



August 13, 2012

FRED HOLMES

ETECH Environmental & Safety Solutions, Inc.

P. O. BOX 8469

MIDLAND, TX 79708

RE: MAX FRIESS #2

Enclosed are the results of analyses for samples received by the laboratory on 08/09/12 16:40.

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Sincerely,

Celeg D. Keine

Celey D. Keene Lab Director/Quality Manager



Analytical Results For:

ETECH Environmental & Safety Solutions, Inc. FRED HOLMES P. O. BOX 8469 MIDLAND TX, 79708 Fax To: (432) 563-2213

Received:	08/09/2012	Sampling Date:	08/09/2012
Reported:	08/13/2012	Sampling Type:	Soil
Project Name:	MAX FRIESS #2	Sampling Condition:	** (See Notes)
Project Number:	253-3146-000	Sample Received By:	Jodi Henson
Project Location:	LOCO HILLS, NM		

Sample ID: SP 1 BOTTOM 6' (H201855-01)

Chloride, SM4500CI-B	mg,	/kg Analyzed By: HM							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	08/13/2012	ND	416	104	400	0.00	

Sample ID: SP 1 E WALL 3' (H201855-02)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	592	16.0	08/13/2012	ND	416	104	400	0.00	

Sample ID: SP 2 BOTTOM 6' (H201855-03)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3840	16.0	08/13/2012	ND	416	104	400	0.00	

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Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	08/13/2012	ND	416	104	400	0.00	

Cardinal Laboratories

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Celeg Di Kune

Celey D. Keene, Lab Director/Quality Manager



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Reported:	08/13/2012	Sampling Type:	Soil
Project Name:	MAX FRIESS #2	Sampling Condition:	** (See Notes)
Project Number:	253-3146-000	Sample Received By:	Jodi Henson
Project Location:	LOCO HILLS, NM		

Sample ID: SP 4 BOTTOM 6' (H201855-05)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2200	16.0	08/13/2012	ND	416	104	400	0.00	

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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

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Celeg Di Kerre

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

City: State: Zip: Attn: Phone #: Fax #: Address: Project #: 253-3:46-000 Project Owner:	
Address: Company: City: State: Zip: Attn: Phone #: Fax #: Address: Project #: 253-3146-000 Project Owner: City:	
Phone #: Fax #: Address: Project #: 253-3146-000 Project Owner: City:	
Project #: 253-3:46-000 Project Owner: City:	
Project Name: Max Friess #2 State: Zin:	
Project Location: Eddy COUNTY Phone #:	
Sampler Name: Terry 055010 Fax #:	
FOR LAB USE ONLY MATRIX PRESERV. SAMPLING	
Tap I.D. Sample I.D. # (G)RAB OR (C)OM # (G)RAB OR (C)OM # CONTAINERS Scoll OTHER : OTHER : OTHER :	
1 >P Bottom 6' 3/9/12	
1 3Pi Bottom 6' 1 3Pi Bottom 6' 2 SPi E. wall 3' 3 SP2 Bottom 6' 4 SP3 Bottom 6' 5 SP4 Bottom 6' 3 SP2 Bottom 6' 4 SP3 Bottom 6' 5 SP4 Bottom 6' 3 SP2 Bottom 7 S	
35P2 Bottom 6'	
4 3D3 Botrom 60	
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PLEASE NOTE: Liability and Damages. Curdinal's liability and chern's exclusive remedy for any daim 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 whatseever shall be deemed waved unboxs made in which and not be Cardinel within 30 days after completion of the applicable	

affiliates or successors mising out of or related to the performance of services hereunder by Cardinal, repardless of whether such claim is based upon any of the above stated reasons or otherwise.

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Sampler - UPS - Bus - Other:			Intact es 🗗 Yes No 🔲 No						

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



July 18, 2012

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FRED HOLMES

ETECH Environmental & Safety Solutions, Inc.

P. O. BOX 8469

MIDLAND, TX 79708

RE: MAX FRIESS #2

Enclosed are the results of analyses for samples received by the laboratory on 07/18/12 10:20.

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Celey D. Keene Lab Director/Quality Manager



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Received:	07/18/2012	Sampling Date:	07/18/2012
Reported:	07/18/2012	Sampling Type:	Soil
Project Name:	MAX FRIESS #2	Sampling Condition:	** (See Notes)
Project Number:	253-3146-000	Sample Received By:	Jodi Henson
Project Location:	LOCO HILLS, NM		

Sample ID: SP 2 EAST WALL 2 1/2' (H201639-01)

Chloride, SM4500Cl-B	mg	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/18/2012	ND	400	100	400	3.92	

Sample ID: SP 5 WEST WALL 3' (H201639-02)

Chloride, SM4500CI-B	mg	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/18/2012	ND	416	104	400	0.00	

Sample ID: SP 6 EAST WALL 3' (H201639-03)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/18/2012	ND	416	104	400	0.00	

Sample ID: SP 6 SOUTH WALL 3' (H201639-04)

Chloride, SM4500Cl-B	mg	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	912	16.0	07/18/2012	ND	416	104	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiantes, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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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 SM4500CI-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

PLEASE NOTE: Liability and Damages, Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg Di Keine

Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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May 02, 2012

FRED HOLMES

ETECH Environmental & Safety Solutions, Inc.

P. O. BOX 8469

MIDLAND, TX 79708

RE: MAX FRIESS #2

Enclosed are the results of analyses for samples received by the laboratory on 04/30/12 17:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. 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 accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab accredited certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celez D. Keine

Celey D. Keene Lab Director/Quality Manager



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Analytical Results For:

ETECH Environmental & Safety Solutions, Inc. FRED HOLMES P. O. BOX 8469 MIDLAND TX, 79708 Fax To: (432) 563-2213

Received:	04/30/2012	Sampling Date:	04/30/2012
Reported:	05/02/2012	Sampling Type:	Soil
Project Name:	MAX FRIESS #2	Sampling Condition:	** (See Notes)
Project Number:	253-3146-000	Sample Received By:	Jodi Henson
Project Location:	LOCO HILLS, NM		

Sample ID: SP2 W WALL 3' (H200987-01)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	05/02/2012	ND	432	108	400	3.77	

Cardinal Laboratories

*=Accredited Analyte

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Celeg Di Keine

Celey D. Keene, Lab Director/Quality Manager



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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 SM4500CI-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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Celeg Di Keine

Celey D. Keene, Lab Director/Quality Manager

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City: Midland State: TX Zip:	79708	Attn:	F. He	olmes	*.]								
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April 27, 2012

FRED HOLMES

ETECH Environmental & Safety Solutions, Inc.

P. O. BOX 8469

MIDLAND, TX 79708

RE: MAX FRIESS #2

Enclosed are the results of analyses for samples received by the laboratory on 04/24/12 16:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. 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 accredited certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celay D. Keine

Celey D. Keene Lab Director/Quality Manager



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Analytical Results For:

ETECH Environmental & Safety Solutions, Inc. FRED HOLMES P. O. BOX 8469 MIDLAND TX, 79708 Fax To: (432) 563-2213

Received:	04/24/2012	Sampling Date:	04/24/2012
Reported:	04/27/2012	Sampling Type:	Soil
Project Name:	MAX FRIESS #2	Sampling Condition:	** (See Notes)
Project Number:	253-3146-000	Sample Received By:	Jodi Henson
Project Location:	LOCO HILLS, NM		

Sample ID: HA 1 6-7' (H200941-01)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3480	16.0	04/25/2012	ND	416	104	400	0.00	

Sample ID: HA 1 9-10' (H200941-02)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2280	16.0	04/25/2012	ND	416	104	400	0.00	

Sample ID: HA 1 13-14' (H200941-03)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM			<u></u>		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2400	16.0	04/25/2012	ND	416	104	400	0.00	

Sample ID: HA 2 6-7' (H200941-04)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3160	16.0	04/25/2012	ND	416	104	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

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Celeg D. Kerne

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

ETECH Environmental & Safety Solutions, Inc. FRED HOLMES P. O. BOX 8469 MIDLAND TX, 79708 Fax To: (432) 563-2213

Received:	04/24/2012	Sampling Date:	04/24/2012
Reported:	04/27/2012	Sampling Type:	Soil
Project Name:	MAX FRIESS #2	Sampling Condition:	** (See Notes)
Project Number:	253-3146-000	Sample Received By:	Jodi Henson
Project Location:	LOCO HILLS, NM		

Sample ID: HA 2 9-10' (H200941-05)

Chloride, SM4500CI-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3600	16.0	04/25/2012	ND	416	104	400	0.00	

Sample ID: HA 2 12-14' (H200941-06)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1700	16.0	04/25/2012	ND	416	104	400	0.00	

Sample ID: HA 3 6-7' (H200941-07)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1460	16.0	04/25/2012	ND	416	104	400	0.00	

Sample ID: HA 3 9-10' (H200941-08)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2680	16.0	04/25/2012	ND	416	104	400	0.00	

Sample ID: HA 3 13-14' (H200941-09)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2320	16.0	04/25/2012	ND	416	104	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

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Celegi Keno

Celey D. Keene, Lab Director/Quality Manager



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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 SM4500CI-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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Celeg Di Keine

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

	101 East Marland, Hobbs, 1 (575) 393-2326 FAX (575) 3					
Company Nam	ie: Efech		BILL TO)	ANALYSIS REC	QUEST
	er: Fred Holmes		P.O. #:			
Address:	·····································		Company:			
City:	State	e: Zip:	Attn:			
Phone #:	Fax #:	:	Address:			
Project #: 25	3-31 46-000 Project	ct Owner:	City:			
Project Name:	mak Fors #2		State: Zip:			
Project Locatio			Phone #:			
Sampler Name	: Terry Osborn		Fax #:			
FOR LAB USE ONLY		MAT	RIX PRESERV SAM			
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMF # CONTAINERS GROUNDWATER WASTEWATER SOIL		hlaride		
1200941	-	(G)RAB OR (C)C # CONTAINERS GROUNDWATE WASTEWATER	OIL SLUDGE OTHER: ACID/BASE ICE / COOL ICE / COOL			
. 41	HA2 6-71		4/24			
N 3 4	HA1 9-10'	V				
34	HA1 13-141	/	· · · · · · /	V	<u> </u>	
45	HA26-7'			······		
10-6	HA29-10' HA217-14'					·
78	HA? 6-21	· · · · · √,				
-26 G	HA3 6-7' HA3 9-10'					
91	HA3 13-14'	Y `				
PLEASE NOTE: UNLINE	and Damages, Cardinal's kability and client's exclusive			e had but the atlant tex the		
analyses. All claims inclus	and barringes, cardinals aboutly and cards security ding those for negligence and any other cause whatso Cardinal be liable for invidental or consequential dama	ever shall be deemed waived poless made in	writing and received by Cardinal writin 30 days	after completion of the applicante		
atfiliates or successors ari Relinquished E	ising out of or related to the performance of services h By: Date:	-74-12 Received By:	uch claim is based upon any of the above state	Phone Result: 🖸 Yes 🗔	No Add'l Phone #:	
	elly Oak TUP	5.5 /Ddi .	lonson	Fax Result: Yes REMARKS:	No Add'l Fax #:	···· ··· · ···· ·
Relinquished E		Received By:				
	Time:					
Delivered By	y: (Circle One)		Condition CHECKED BY:			
Sampler - UPS	S - Bus - Other:	29° Cool I	Yes (Mininghis)			

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

Page 5 of 5



April 12, 2012

FRED HOLMES

ETECH Environmental & Safety Solutions, Inc.

P. O. BOX 8469

MIDLAND, TX 79708

RE: MAX FRIESS 2

Enclosed are the results of analyses for samples received by the laboratory on 04/09/12 17:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. 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 accredited certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



Analytical Results For:

ETECH Environmental & Safety Solutions, Inc. FRED HOLMES P. O. BOX 8469 MIDLAND TX, 79708 Fax To: (432) 563-2213

Received:	04/09/2012	Sampling Date:	04/09/2012
Reported:	04/12/2012	Sampling Type:	Soil
Project Name:	MAX FRIESS 2	Sampling Condition:	** (See Notes)
Project Number:	253-3146-000	Sample Received By:	Jodi Henson
Project Location:	LOCO HILLS, NM		

Sample ID: SP 1 BOTTOM 6' (H200807-01)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2320	16.0	04/12/2012	ND	400	100	400	3.92	

Sample ID: SP 1 N WALL 3' (H200807-02)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1020	16.0	04/12/2012	ND	400	100	400	3.92	

Sample ID: SP 1 W WALL 3' (H200807-03)

Chloride, SM4500CI-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	04/12/2012	ND	400	100	400	3.92	

Sample ID: SP 1 E WALL 3' (H200807-04)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP		.			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	04/12/2012	ND	400	100	400	3.92	

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Celez Di Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

ETECH Environmental & Safety Solutions, Inc. FRED HOLMES P. O. BOX 8469 MIDLAND TX, 79708 Fax To: (432) 563-2213

Received:	04/09/2012	Sampling Date:	04/09/2012
Reported:	04/12/2012	Sampling Type:	Soil
Project Name:	MAX FRIESS 2	Sampling Condition:	** (See Notes)
Project Number:	253-3146-000	Sample Received By:	Jodi Henson
Project Location:	LOCO HILLS, NM		

Sample ID: SP 2 BOTTOM 6' (H200807-05)

Chloride, SM4500CI-B	mg	/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4040	16.0	04/12/2012	ND	400	100	400	3.92	

Sample ID: SP 2 E WALL 3' (H200807-06)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2120	16.0	04/12/2012	ND	400	100	400	3.92	

Sample ID: SP 2 W WALL 3' (H200807-07)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3360	16.0	04/12/2012	ND	400	100	400	3.92	

Sample ID: SP 3 BOTTOM 6' (H200807-08)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1220	16.0	04/12/2012	ND	400	100	400	0.00	

Sample ID: SP 3 W WALL 3' (H200807-09)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	04/12/2012	ND	400	100	400	0.00	

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Celez Di Keene

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

ETECH Environmental & Safety Solutions, Inc. FRED HOLMES P. O. BOX 8469 MIDLAND TX, 79708 Fax To: (432) 563-2213

Received:	04/09/2012	Sampling Date:	04/09/2012
Reported:	04/12/2012	Sampling Type:	Soil
Project Name:	MAX FRIESS 2	Sampling Condition:	** (See Notes)
Project Number:	253-3146-000	Sample Received By:	Jodi Henson
Project Location:	LOCO HILLS, NM		

Sample ID: SP 3 E WALL 3' (H200807-10)

Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	04/12/2012	ND	400	100	400	0.00	

Sample ID: SP 4 BOTTOM 6' (H200807-11)

Chloride, SM4500CI-B	mg	/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2640	16.0	04/12/2012	ND	400	100	400	0.00	

Sample ID: SP 4 E WALL 3' (H200807-12)

Chloride, SM4500CI-B	mg	9/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	04/12/2012	ND	400	100	400	0.00	

Sample ID: SP 4 W WALL 3' (H200807-13)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1040	16.0	04/12/2012	ND	400	100	400	0.00	

Sample ID: SP 5 BOTTOM 6' (H200807-14)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					<u> </u>
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4480	16.0	04/12/2012	ND	400	100	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ETECH Environmental & Safety Solutions, Inc. FRED HOLMES P. O. BOX 8469 MIDLAND TX, 79708 Fax To: (432) 563-2213

Received:	04/09/2012	Sampling Date:	04/09/2012
Reported:	04/12/2012	Sampling Type:	Soil
Project Name:	MAX FRIESS 2	Sampling Condition:	** (See Notes)
Project Number:	253-3146-000	Sample Received By:	Jodi Henson
Project Location:	LOCO HILLS, NM		

Sample ID: SP 5 W WALL 3' (H200807-15)

Chloride, SM4500Cl-8	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1960	16.0	04/12/2012	ND	400	100	400	0.00	

Sample ID: SP 5 E WALL 3' (H200807-16)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1090	16.0	04/12/2012	ND	400	100	400	0.00	

Sample ID: SP 6 BOTTOM 6' (H200807-17)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2800	16.0	04/12/2012	ND	400	100	400	0.00	

Sample ID: SP 6 W WALL 3' (H200807-18)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					<u>.</u>
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	04/12/2012	ND	400	100	400	0.00	

Sample ID: SP 6 E WALL 3' (H200807-19)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1250	16.0	04/12/2012	ND	400	100	400	0.00	

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ETECH Environmental & Safety Solutions, Inc. FRED HOLMES P. O. BOX 8469 MIDLAND TX, 79708 Fax To: (432) 563-2213

Received:	04/09/2012	Sampling Date:	04/09/2012
Reported:	04/12/2012	Sampling Type:	Soil
Project Name:	MAX FRIESS 2	Sampling Condition:	** (See Notes)
Project Number:	253-3146-000	Sample Received By:	Jodi Henson
Project Location:	LOCO HILLS, NM		

Sample ID: SP 6 S WALL 3' (H200807-20)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1330	16.0	04/12/2012	ND	400	100	400	0.00	

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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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 SM4500CI-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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Celeg Di Kune

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name	E tach		BILL TO ANALYSIS REQUEST
Project Manage	Fred Holmes	е — то нако та петита се нама дре	P.O. #: 253-3146-200
Address:			Company:
City:	State:	Zip:	Attn:
Phone #:	Fax #:		Address:
Project #: 25	3- 3146 - 000 Project Owner	:	City:
	MAX FRIESS 2		State: Zip:
			Phone #:
Sampler Name:	n: LOCO HILLS		Fax #:
FOR LAB USE ONLY		MATRIX	PRESERV. SAMPLING
Lab I.D. H2C0807	Sample I.D.	(G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	ACIDIBASE:
3	SPI Bottom 6'		A-7-12 3:30 pm 1
2	SPINWall 3		
3	SPI WWALL 3'		
Ц	SPIEWALL 3'		
.5	5P2 Botton b'		
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7	SP2 WWALL 3'		
C	5P3 Batton 6'		
9	5P3 Wwall 3'		
$\square \square \square$	583 EWAN 35		
analyses, All claims includi service, In no event shall C	nd Damages. Cardinafs lability and clen't sexclusive remedy for a ng inose for negligence and any other cause whatsoever shall be rardinaf be fakels for incidental or consequential damages, including ing out of or related to the performance of services hereunder by C	eemed waived unless made in writing an without limitation, business interruptions,	nd received by Cardinal within 30 days after completion of the applicable , loss of use, or loss of profits incurred by effent, its subsidiaries,

affiliates or successors arising out of or related to the performance of	services hereunder by Ca	idinal, regardle	ss of whether such claim is based	upon any of the above stated re	asons of otherwise.				
Relinquished By:	Date:	Receive	d By:		Phone Result:	C Yes	I No	Add'l Phone #:	
	4-9-12	An		1	Fax Result:	C Yes	No No	Add'I Fax #:	
Starkin ash	Time: 20 (Mar	CALL	Ti Alen	LON_	REMARKS:				
Relinquished By:	Date:	Receive	d By:						
	Time:	·							1
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Delivered By: (Circle One)			Sample Condition	CHECKED BY:	1				
		10	Cool Intact	(Initials)	J				
Sampler - UPS - Bus - Other:	2	77	Yes Yes	UT					
	<i></i>		9 No No		l			<u>۵٬۰۰۰ مېر د د ۲٬۰۰۰ مېر د د ۲٬۰۰۰ مېر د ۲٬۰۰۰ مې</u>	

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

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

	(010) 350-2520 TAX (015) 353-241	·····	1				
Company Name			BILL TO		ANAL	YSIS REQUEST	
Project Manage	" Fred Holmes		P.O. #: 253-31	46-000			
Address:			Company:				
City:	State:	Zip:	Attn:				
Phone #:	Fax #:	· · · · · · · · · · · · · · · · · · ·	Address:				
Project #: 25	3-3144-000 Project Owne	r:	City:				
Project Name:	Max Fridge 2		State: Zip:				
Project Location	n: Loco HILLS		Phone #:	2			
Sampler Name:		Charan-	Fax #:	2			
FOR LAB USE ONLY		MATRIX	PRESERV. SAMPLI	NG			
Lab I.D. H <i>2015</i> 807	Sample I.D.	(G)RAB OR (C)OMP # CONTAINERS # CONTAINERS GROUNDWATER WASTEWATER SULUGE	OTHER : ACIDIBASE: ICE / COOL OTHER : DTHER :	TIME			
11	SP4 Buttom 6'		4-9-12	300-1			
12	SP4 EVall 3'						
13	SPY WWALL 3'						
14	SPS Botten L'						
15	SPS W Wall 3'						
	SPS EWell 3'						
17	SPLe Battern 6'						
13	SPL Whiall 3'						
	SP6 EWall 3'						
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	ng those for negligence and any other cause whatsoever shall be ardinal be liable for incidental or consequental damages, includin						
	ng out of or related to the performance of services hereunder by			sons or otherwise.			
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	4-9-12	- Arnol: An	A sul A as in	Fax Result: Ye	es 🗆 No 🛛 Add'l F	ax #:	
Stal	- Unite: 500 pr	IMM I	LENDOR-	REMARKS:			
Relinguished By	y: Date: U	Received By:					

CHECKED BY:

(Initials)

Sample Condition

Cool Intact-

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

Time:

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

250

Project MAX FRIESS 2

53-3146-000 Project No.

Date Started 8-16-12

Date Finished 8 - 14 - 12

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•	806-272-5506	Texas Permit		1 1	
BLM #4 BLKND	•	•	43609		-
		Pure Seed	Germ	Dermont	Origin
		87.61%	3.00%	D prmant 20,00%	•
FOURWING SALTBUSH		4.16%	88,00%	\$.00%	TX NM
	* .				
Purity: 91.77%	Inert Mager: 8.20%	Other Crop Seed:	0.01%	Weel Seed: 0	.02%
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Noxious Weeds: None	Test I	Date: 04-2012	• •		<u>.</u>
Noxious Weeds: None	Test	Date: 04-2012	• •		»
Noxious Weeds: None	Test I	Date: 04-2012			
Noxious Weeds: None	Test I	Date: 04-2012		.Not Wt: 25#	
Noxious Weeds: None	Test I	Date: 04-2912	• •		÷
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C	Text I	Date: 04-2012		Not Wt: 25#)×
C	Text I	Date: 04-2012			>

Etech Env.

Etech Env.

Project Max Fridas 2

Project No. 253-3146-000

Date Started 8 - 16 - 12

Date Finished 8-16-12

	1 1. 1.	Bamert S 1897 CR 1918 ,896-272-5596	Geed Comp Muleshoe, TX Texas Permit	(79347		
BLM #2 BLEND	¥	16 B.	AGS	43593		
Description			Pure Seed	Germ	Dormant	Origi
VNS PLAINS BRIS			51.09%	22.00%	63.00%	TX
BEND SAND LOVE SAND DROPSEED			24.47% 23.03%	89.00% 76.00%	0.00% 19.00%	TX
					19.0076	•
Purity: 98.58%	inérCivie	tter: 0.93%	Other Crop Seed:	0.39%	Weed Seed: (0.09%
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Noxious Weeds: 1	None	Jest Da	te: 04-2012		Net WI: 25#	• .
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State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr.

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JUL 3 0 2013

Form C-141 Revised August 8, 2011

Submit 1 Copy to appropriate District Office in NMOCD ARTES Act with 19.15.29 NMAC

Santa Fe, NM 87505

Release Notification and Corrective Action

	OPERATOR	Initial Report	🛛 🛛 Final Report
Name of Company: LINN Energy	Contact: Joe Hernandez		
Address: 2130 W Bender Blvd Hobbs, NM	Telephone No.: 575-942-8675		
Facility Name: Max Friess 2	Facility Type: Injection Well		

Surface	Owner:	BLM

Mineral Owner: BLM

API No.: 3001505469

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
A	30	1/5	31E	660	ÎN	660	E	Eddy

Latitude: 32° 48' 46.5" Longitude: 103° 54' 13.7"

NATURE OF RELEASE

Type of Release: Produced Water	Volume of Release: 40bbls	Volume Recovered: 35bbls					
Source of Release: Steel Pipeline	Date and Hour of Occurrence:	Date and Hour of Discovery:					
······································	12/13/2011 - 0900	12/13/2011 - 0930					
Was Immediate Notice Given?	If YES, To Whom?						
🛛 Yes 🗌 No 🔲 Not Required	Mike Bratcher - OCD, Terry Gregs	ton - BLM					
By Whom? Joe Hernandez	Date and Hour: 12/13/2011 - 1400						
Was a Watercourse Reached?	If YES, Volume Impacting the Watercourse.						
🗋 Yes 🖾 No							
If a Watercourse was Impacted, Describe Fully.*:	•						
Describe Cause of Problem and Remedial Action Taken.*: 4" trunk line. I repaired.	" seam opened on pipeline due to corr	rosion. Source of leak was excavated and					
reparted.							
Describe Area Affected and Cleanup Action Taken.* : Water surfaced and	ran southwest for approx 420ft						
The Max Friess #2 injection line was re-ruptured during the backfill proce		tions were halted, and the ruptured line was					
excavated and repaired. Impacted soils above regulatory threshold levels w							
sampling procedures were followed.							
Impacted soils were transported off-site to Lea Land Landfill. Once the ir							
areas were backfilled with like materials and smoothed to grade, then the	pasture area was seeded with a BLM r	nix #2 & #4. Water bars were installed to					
prevent wind and water erosion.							
All side walls of the excavation below the regulatory threshold levels of 1	,000 mg/kg. The bottom of the excava	tion still has elevated levels of chlorides					
ranging from 2320 to 4480 mg/kg. Numerous lines have been encountered within the confines of the excavation including a 3" high pressure fiberglass							
line, 4" poly to steel line, 4" poly line. The lines traverse through all parts of the excavation. The presence of the lines has restricted further excavation due to safety concerns.							
LINN proposed to apply a calcium amendment to the bottom of the excava	ation (gypsum) then backfill with clea	in compacted fill material to within $1.5 - 2$					
feet of surface then complete the backfill with compatible soil which is conducive to growing vegetation.							
I hereby certify that the information given above is true and complete to the							
regulations all operators are required to report and/or file certain release no	otifications and perform corrective act	tions 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 de federal, state, or local laws and/or regulations.	bes not relieve the operator of respons	ibility for compliance with any other					
Tederal, state, of tocar laws and/of regulations.	OIL CONCERN						
	<u>UIL CONSERV</u>	ATION DIVISION					
Signature: And Remain							
	A manual by District Summing						
Printed Name: Jose Hernandez	Approved by District Supervisor:						
Title: Foreman	Approval Date:	Expiration Date:					
	ipprovar Date.						
E-mail Address: jhernandez@linneenrgy.com	Conditions of Approval:	Attached					
Date: 10/22/2012 Phone: 575-738-1739							

* Attach Additional Sheets If Necessary

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