

Remediation Summary Report Form

General Information

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

Date: October 15, 2012

Client: LINN Energy

Site Name: Turner B 106

County: Eddy

State: NM

Site Coordinates Latitude: 32° 49' 38.5"
Longitude: 103° 53' 15.2"

Property Owner: BLM

State Report No.: 2RP-970

Release Description and Assessment

The information below is related to the spill (Date, Type, Cause and Quantity) and the area impacted.

Date of Spill: 11/28/2011

Type of Spill: Oil Produced Water Condensate Other (Specify):

Cause of Spill: Equipment Failure Valve Failure Line Rupture Leaking Tank Tank Overfill
 Other (List):

Other Contributing Factors or Comments:

Quantity Spilled: 11 bbls. Quantity Recovered: 4 bbls. Total Released: 7 bbls.

Method of Recovery: Vacuum Truck Other (Specify):

OCD Notified: Yes No C-141 Completed and Submitted: Yes No

Spill Area Impacted: Inside Firewall On Production Pad In Pasture In Cultivated Land
 Other (List):

Total Square Footage Impacted: 2100 Estimated Depth: 1-5' Volume (Cu. Yds): 80

Other Comments:

Remediation Activity Summary

The following summarizes the activities used to remediate the spill.

Impacted soils above regulatory threshold levels were manually and mechanically excavated from the spill area. Please note sample site SP1 was next to the wellhead area and SP 1A was adjacent to the pumping unit and the limits of excavation had been reached due to the proximity of the wellhead and pumping unit.

Impacted soils were transported off-site for disposal at Lea Land Landfill. Once the impacted soils were removed to acceptable levels, the production pad and the 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.

Analytical Summary

Results of analyses following remediation activities are as follows:

Summary of Remediation Sampling Analytical Results Total Petroleum Hydrocarbons - [TPH (mg/kg)] & Chlorides [Chl (mg/kg)]						
Sample #	Depth (ft)	Date	TPH C6-C10	TPH C10-C28	Total TPH	Chl
SP1 Wellhead	1	12/20/11				1620
SP1A Pumping Unit	5	12/20/11				1120
SP2 Bottom	2	12/20/11				112
SP2A Bottom	4	12/20/11				784
SP3 Bottom	3	12/20/11				32
SP4 Bottom	2	12/20/11				<16.0
SP5 Bottom	2	12/20/11				<16.0
SP6 Bottom	2	12/20/11				<16.0

* 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.

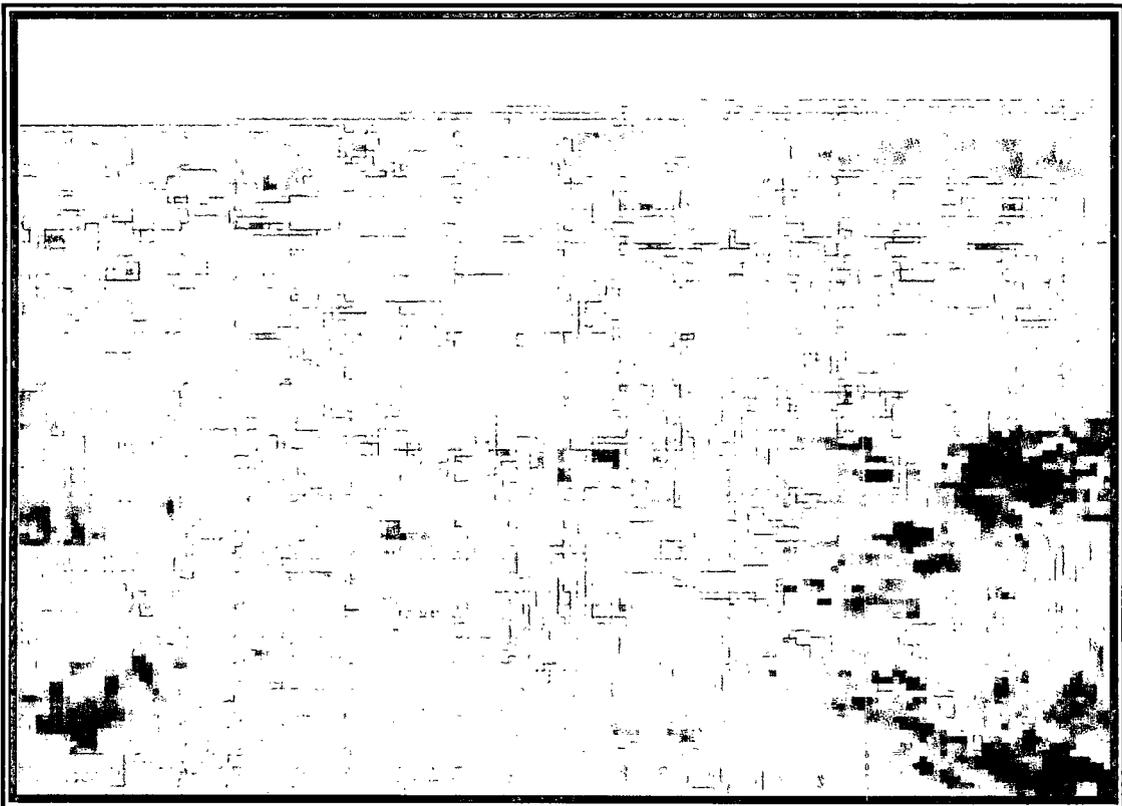
Prepared by:



Kit Prichard
Etech Environmental & Safety Solutions, Inc.



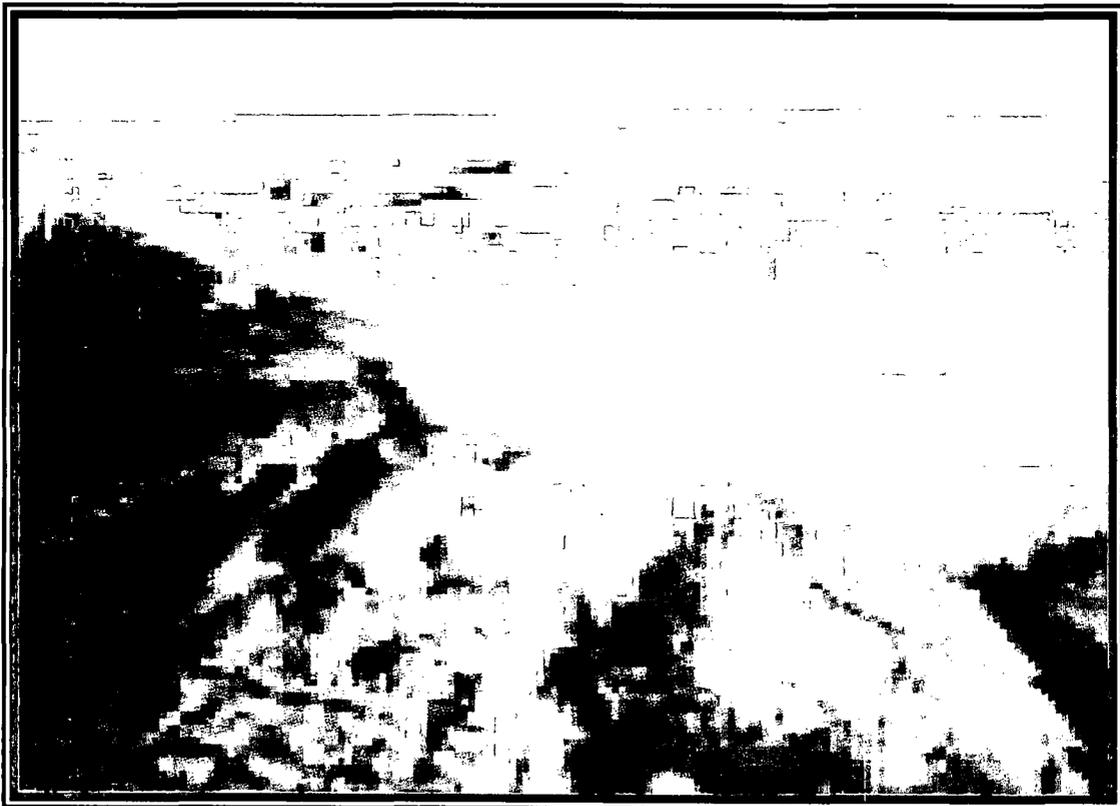
View of the pumping unit area on the production pad before excavation.



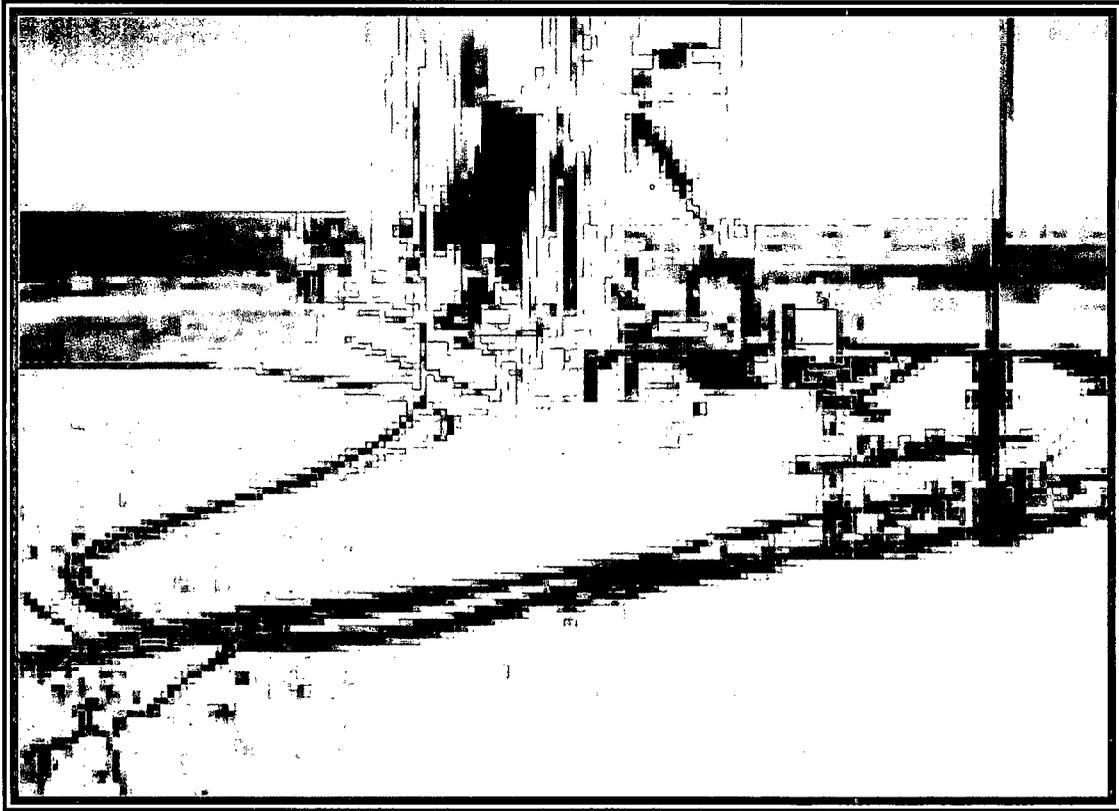
View of the pasture area before excavation.



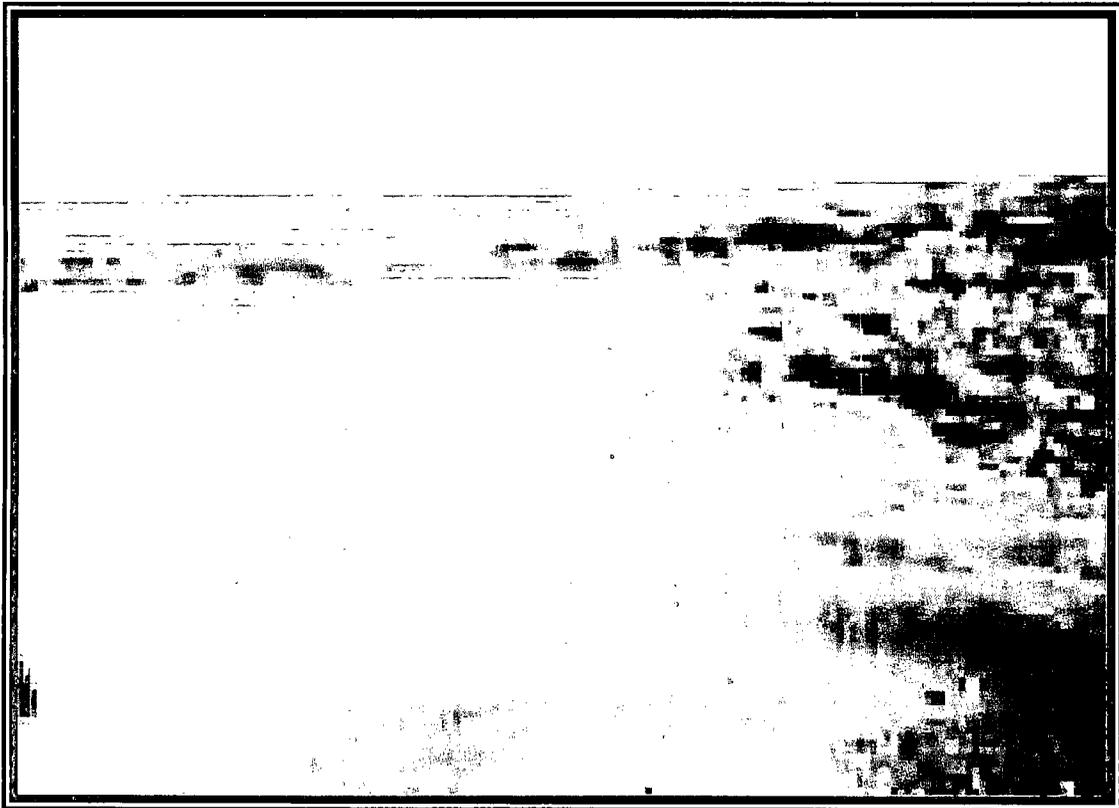
View of the pumping unit area on the production pad during excavation after a rain event.



View of the pasture area during excavation.



View of the pumping unit area on the production pad after backfill.



View of pasture area after backfill, water bars were installed, and seeding.



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

December 21, 2011

FRED HOLMES

ETECH Environmental & Safety Solutions, Inc.

P. O. BOX 8469

MIDLAND, TX 79708

RE: TURNER B 106

Enclosed are the results of analyses for samples received by the laboratory on 12/20/11 12:45.

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_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 style with a large, stylized initial 'C'.

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:	12/20/2011	Sampling Date:	12/20/2011
Reported:	12/21/2011	Sampling Type:	Soil
Project Name:	TURNER B 106	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LOCO HILLS, NM		

Sample ID: SP 1 (H102744-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1620	16.0	12/21/2011	ND	432	108	400	3.64		

Sample ID: SP 1A (H102744-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1220	16.0	12/21/2011	ND	432	108	400	3.64		

Sample ID: SP 2 (H102744-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	12/21/2011	ND	432	108	400	3.64		

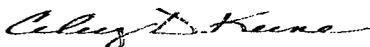
Sample ID: SP 2A (H102744-04)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	784	16.0	12/21/2011	ND	432	108	400	3.64		

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.



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: 12/20/2011
 Reported: 12/21/2011
 Project Name: TURNER B 106
 Project Number: NONE GIVEN
 Project Location: LOCO HILLS, NM

 Sampling Date: 12/20/2011
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Jodi Henson

Sample ID: SP 3 (H102744-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	12/21/2011	ND	432	108	400	3.64		

Sample ID: SP 4 (H102744-06)

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	12/21/2011	ND	432	108	400	3.64		

Sample ID: SP 5 (H102744-07)

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	12/21/2011	ND	432	108	400	3.64		

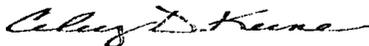
Sample ID: SP 6 (H102744-08)

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	12/21/2011	ND	432	108	400	3.64		

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.



Celey D. Keene, Lab Director/Quality Manager

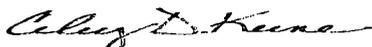
Notes and Definitions

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

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.



Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: <u>Etech</u>		BILL TO		ANALYSIS REQUEST														
Project Manager: <u>Fred Holmes</u>		P.O. #:																
Address:		Company:																
City:	State:	Zip:	Attn:															
Phone #:	Fax #:		Address:															
Project #:	Project Owner:		City:															
Project Name: <u>Turner B 106</u>			State:	Zip:														
Project Location: <u>Loc A Hill</u>			Phone #:															
Sampler Name: <u>Stephen McGhee</u>			Fax #:															
FOR LAB USE ONLY																		
Lab I.D.	Sample I.D.	(GRAB OR C)OMP.	# CONTAINERS	MATRIX			PRESERV			SAMPLING								
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE	ICE / COOL	OTHER:	DATE	TIME				
<u>H102744</u>													<u>12-20</u>	<u>10:00</u>				
<u>1</u>	<u>SP 1</u>					/												
<u>2</u>	<u>SP 1A</u>					/												
<u>3</u>	<u>SP 2</u>					/												
<u>4</u>	<u>SP 2A</u>					/												
<u>5</u>	<u>SP 3</u>					/												
<u>6</u>	<u>SP 4</u>					/												
<u>7</u>	<u>SP 5</u>					/												
<u>8</u>	<u>SP 6</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: <u>Stephen McGhee</u>	Date: <u>12/20/11</u>	Received By: <u>Loelle Henson</u>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
Relinquished By:	Date:	Received By:	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #:
Delivered By: (Circle One)	Sample Condition	CHECKED BY:	REMARKS:
Sampler - UPS - Bus - Other:	Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	(Initials)	<u>email fred, terrygregsto@blm.gov, stephenmcghee56@yahoo.com</u>

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

#26

Etech Env.

Project Turner B 106

Project No. 253-3083-000

Date Started 6-9-12

Date Finished 6-9-12

Bamert Seed Company

1897 CR 1018 Muleshoe, TX 79347
806-272-5506 Texas Permitt# 00905

BLM #2 MIX	16 BAGS	43152			
Description		Pure Seed	Germ	Dormant	Origin
VNS PLAINS BRISTLEGRASS (<i>Setaria vulpinea</i>)		49.36%	4.00%	84.00%	TX
BEND SAND LOVEGRASS (<i>Eragrostis trichodes</i>)		24.97%	89.00%	0.00%	TX
SAND DROPSIDE VNS (<i>Sporobolus cryptandrus</i>)		24.63%	5.00%	88.00%	
Purity: 98.96%	Inert Matter: 0.69%	Other Crop Seed: 0.37%	Weed Seed: 0.02%		

Noxious Weeds: None

Test Date: 02-2012

Net Wt: 25#

BLM #4	Kind:	% Germ
% Pure Seed		
74.40%	4 Wing Saltbush	67%
7.63%	Alkali Sacaton	89%

Test Date: 3/12
Purity: 82.04%
Inert: 17.92%
Other Crop: 0.01%
Weed: 0.03%
Noxious: None

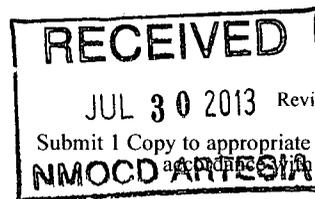
RESEARCH SEEDS, LTD.
VEGA, TX 79622

Supervisor

Stephen McCashe

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505



Form C-141
Revised August 8, 2011
District Office in
9.15.29 NMAC

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: Turner B 106	Facility Type: Water Flood

Surface Owner: BLM	Mineral Owner: BLM	API No.: 3001526706
--------------------	--------------------	---------------------

LOCATION OF RELEASE

Unit Letter P	Section 17	Township 17S	Range 31E	Feet from the 15	North/South Line S	Feet from the 1305	East/West Line E	County Eddy
------------------	---------------	-----------------	--------------	---------------------	-----------------------	-----------------------	---------------------	----------------

Latitude: 32 49' 38.5" Longitude: 103 53' 15.2"

NATURE OF RELEASE

Type of Release: Produced Water & Oil	Volume of Release: 7/4	Volume Recovered: 1/3
Source of Release: Poly Pipeline	Date and Hour of Occurrence: 11/28/2011 - 0730	Date and Hour of Discovery: 11/28/2011 - 0800
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? M. Bratcher OCD / T. Gregston BLM	
By Whom? Joe Hernandez	Date and Hour: 11/29/2011 - 1455	
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.*: Poly line fuse failed. There was no plug in the line, and the flowline did not pressure up. Fuse repaired.

Describe Area Affected and Cleanup Action Taken.* : The leak occurred on the production pad and trailed out into the pasture for approx. 400'. Impacted soils above regulatory threshold levels were manually and mechanically excavated from the spill area. Please note sample site SP1 was next to the wellhead area and SP 1A was adjacent to the pumping unit and the limits of excavation had been reached due to the proximity of the wellhead and pumping unit. Impacted soils were transported off-site for disposal at Lea Land Landfill. Once the impacted soils were removed to acceptable levels, the production pad and the 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.

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: Jose Hernandez	Approved by District Supervisor:	
Title: Foreman	Approval Date:	Expiration Date:
E-mail Address: jhernandez@linneenergy.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 10/15/2012 Phone: 575-738-1739		

* Attach Additional Sheets If Necessary