

LINN ENERGY

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

Turner A #11

Closure Report

2RP-1239

API 30-015-05215

Release Date: July 19, 2012

Unit Letter P, Section 18, Township 17S, Range 31E

Rice Environmental Consulting & Safety

P.O. Box 5630 Hobbs, NM 88241

Phone 575.393.4411 Fax 575.393.0293

August 31, 2012

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 – Turner A #11 AD

UL/P sec. 18 T17S R31E

API No. 30-015-05215

2RP-1239

Mr. Bratcher:

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

Background and Previous Work

The site is an accidental discharge of produced water associated with the Turner A #11. A backhoe ruptured a lateral line from the injection well and released fluids onto a caliche roadway. The line was repaired and an initial form C-141 was submitted by Linn Energy on July 23, 2012 (Appendix A). The site is located approximately 4 miles east of Loco Hills in unit letter 'P' of section 18, T17S, R31E in Eddy County, New Mexico.

On July 19, 2012, RECS personnel initiated work on the Turner A #11. Soil samples were collected from ground surface and submitted to a commercial laboratory for chloride analysis (Figure 1). Chlorides ranged from 5,600 mg/kg to 10,000 mg/kg.

The leak area was scraped to less than 6" below ground surface (bgs). On August 9, 2012, soil samples were collected from Vertical #1 within the scraped area and field tested for chloride. Headspace measurements were also taken in the field using a Photo Ionization Detector (PID) (Figure 2). The samples from the scraped area surface, 1'6" bgs, and 2' bgs were submitted to a laboratory for chloride and TPH (GRO/DRO) analyses (Appendix C). The surface sample contained 2,360 mg/kg chloride and <10 mg/kg TPH. At 1'6" bgs, chloride was 112 mg/kg and TPH was <10 mg/kg. At 2' bgs, chloride was 64 mg/kg and TPH was <10 mg/kg.

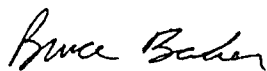
Based on the results from laboratory analyses, the leak area was excavated to 1 ft. bgs. Impacted soils, totaling 40 yards, were removed to a NMOCD approved disposal facility. The excavation was backfilled with 48 yards of clean imported caliche (chloride 32 mg/kg – Appendix C), and the site was compacted and leveled. See Appendix B for photographs of field activities.

Conclusion

Due to the removal of impacted soils and the absence of groundwater in the area, RECS, on behalf of Linn Energy, submits the final C-141 (Appendix D) and respectfully requests the closure of the regulatory file for this site.

RECS appreciates the opportunity to work with you on this project. Please call me at the number below if you have any questions or comments.

Sincerely,



Bruce Baker
Head Foreman
RECS
(575) 631-5157

Attachments:

- Figure 1: Site Plat with Initial Sample Data
- Figure 2: Site Plat with Vertical Sample Data
- Appendix A: Initial Form C-141
- Appendix B: Site Photographs
- Appendix C: Laboratory Results
- Appendix D: Final Form C-141

Figures

RICE Environmental Consulting and Safety (RECS)

P.O. Box 5630 Hobbs, NM 88241
Phone 575.393.4411 Fax 575.393.0293

Site Plat

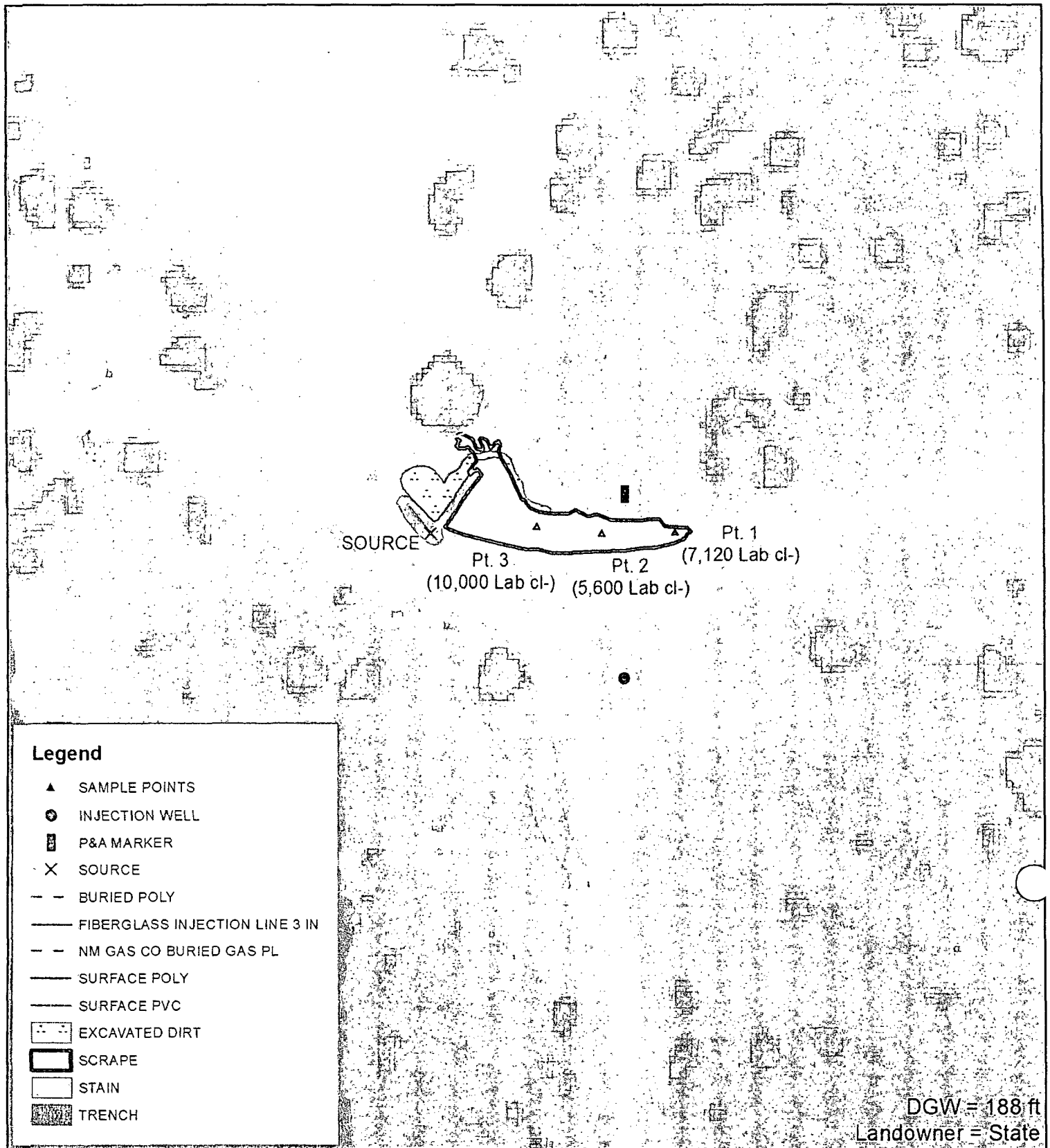
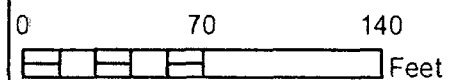
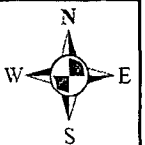


Figure 1



GPS date: 7/19/12
 Drawing date: 7/20/12
 Drafted by: L. Weinheimer

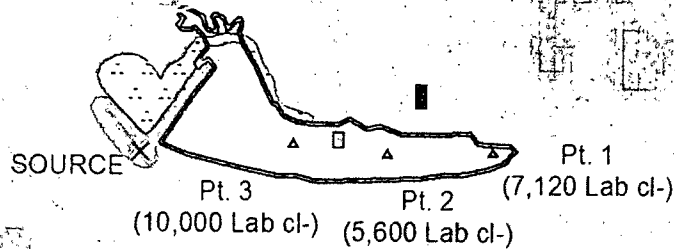


LINN ENERGY TURNER A #11 AD

LEGALS: UL/P sec. 18
 T-17-S R-31-E
 EDDY COUNTY, NM

Site Plat

VERTICAL #1					
Sample Description	Cl-	PID	LAB Cl-	GRO	DRO
Surface after scrape	2039	2.3	2360	<10	<10
6"	984	1.4			
1'	464	1.3			
1'6"	141	1.3	112	<10	<10
2'	119	1.3	64	<10	<10



Legend

- VERTICAL #1
- ▲ SAMPLE POINTS
- INJECTION WELL
- P&A MARKER
- × SOURCE
- - BURIED POLY
- FIBERGLASS INJECTION LINE 3 IN
- - NM GAS CO BURIED GAS PL
- SURFACE POLY
- SURFACE PVC
- EXCAVATED DIRT
- SCRAPE
- STAIN
- ▨ TRENCH

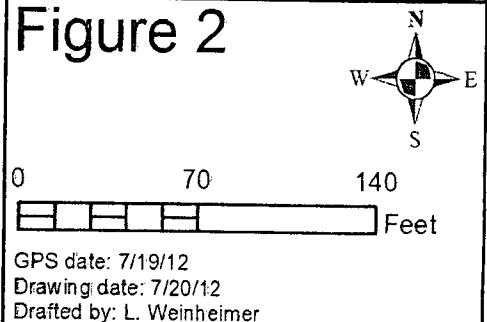
DGW = 188 ft
Landowner = State



LINN ENERGY TURNER A #11 AD

LEGALS: UL/P sec. 18
T-17-S R-31-E
EDDY COUNTY, NM

Figure 2



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

JUL 23 2012

Form C-141
Revised October 10, 2003

NMOCD-ARTESIA
Submit Copy to appropriate District Office in accordance with 19.15.29 NMAC

Release Notification and Corrective Action

nJMW 1221451087

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: Turner A # 11	Facility Type: Injection

Surface Owner: Federal	Mineral Owner: Federal	API No.: 3001505215
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LOCATION OF RELEASE

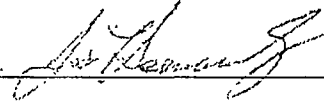
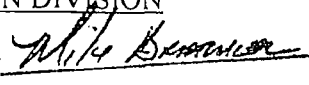
Unit Letter P	Section 18	Township 17S	Range 31E	Feet from the 660	North/South Line South	Feet from the 660	East/West Line East	County Eddy
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Latitude: 32.8290916766608 Longitude: -103.902705205355

NATURE OF RELEASE

Type of Release: Produced Water	Volume of Release: 110	Volume Recovered: 100
Source of Release: Pipeline	Date and Hour of Occurrence: 07/19/2012 10:30am	Date and Hour of Discovery: 07/19/2012 11am
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 Terry Gregston- BLM	
By Whom? Gary Wink	Date and Hour 07/19/2012 2:20pm	
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.*: Apache backhoe hit a lateral line to injection well.		
Describe Area Affected and Cleanup Action Taken.* : Area affected was 4ft deep x 4 ft wide x 15 yds long. All fluid was contained on roadway.		

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	Approved by District Supervisor: Signed By 	
Title: Production Foreman	Approval Date: AUG 01 2012	Expiration Date:
E-mail Address: jhemandez@linenergy.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 07/23/2012 Phone: 575-942-9492		

* Attach Additional Sheets If Necessary

Remediation per OCD Rules &
Guidelines. SUBMIT REMEDIATION
PROPOSAL NOT LATER THAN:

9/1/12

2RP-1239

Appendix B

Site Photographs

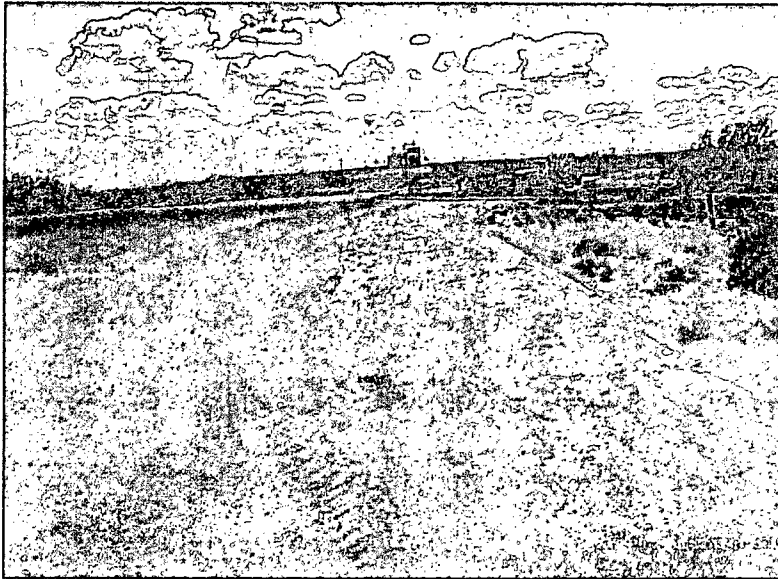
RICE Environmental Consulting and Safety (RECS)

P.O. Box 5630 Hobbs, NM 88241

Phone 575.393.4411 Fax 575.393.0293

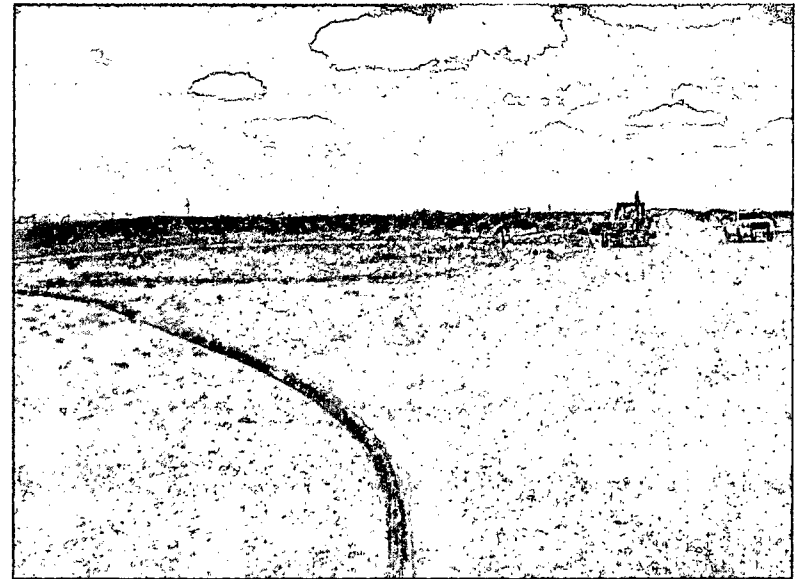
Linn Turner A #11 AD

Unit Letter A, Section 22, T17S, R31E



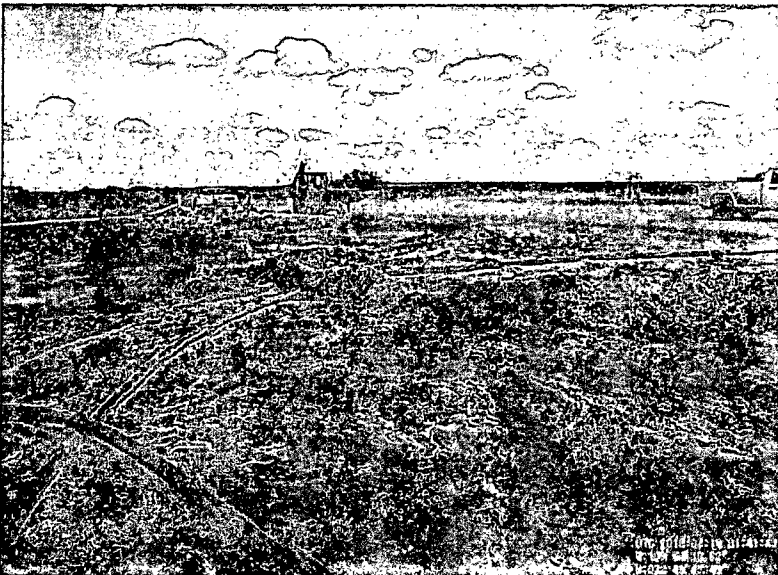
Initial release on road, facing west

7/19/2012



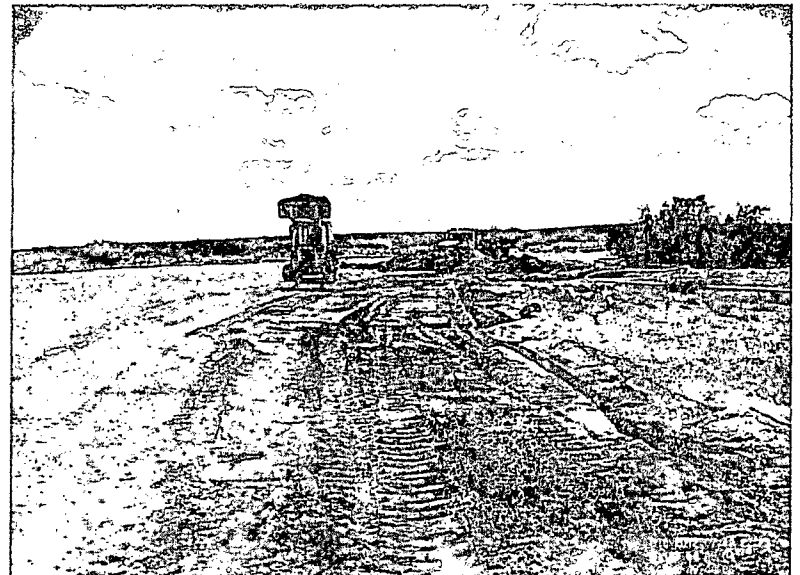
Initial release on road, facing northeast

7/19/2012



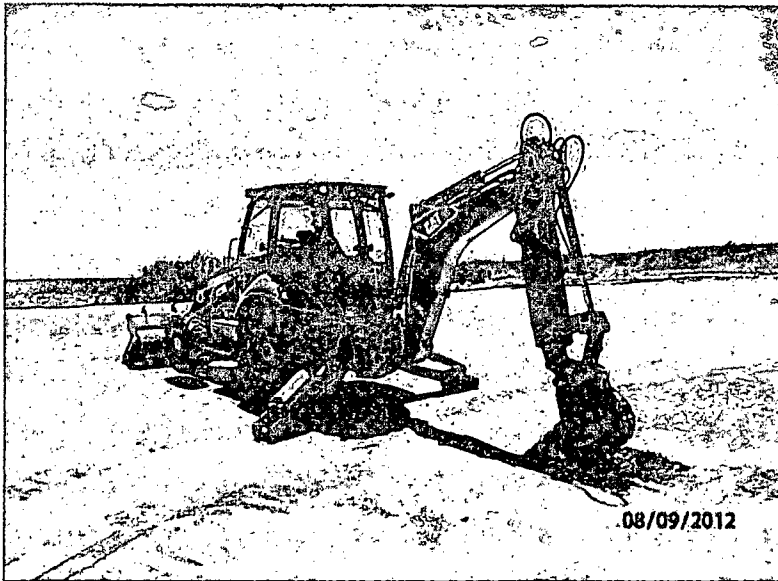
Initial release on road, facing southeast

7/19/2012



Scraping leak, facing west

7/19/2012



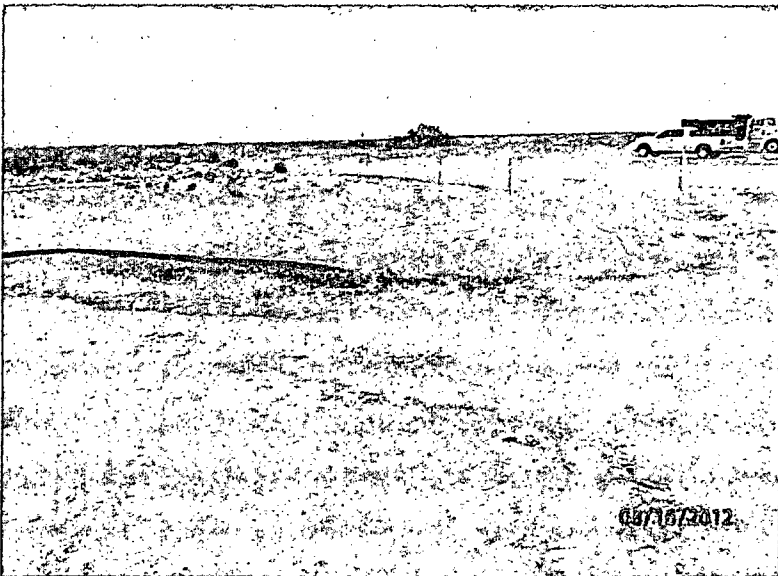
Digging vertical, facing south

8/9/2012



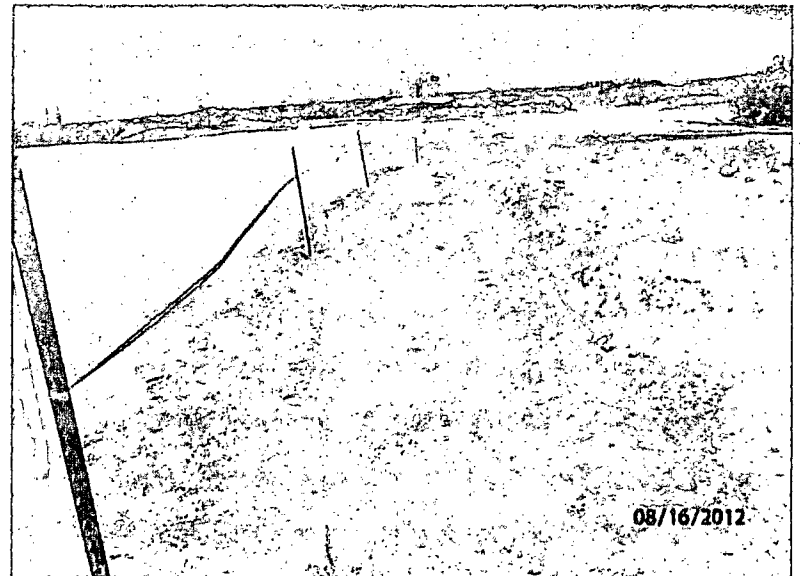
Excavating leak, facing east

8/14/2012



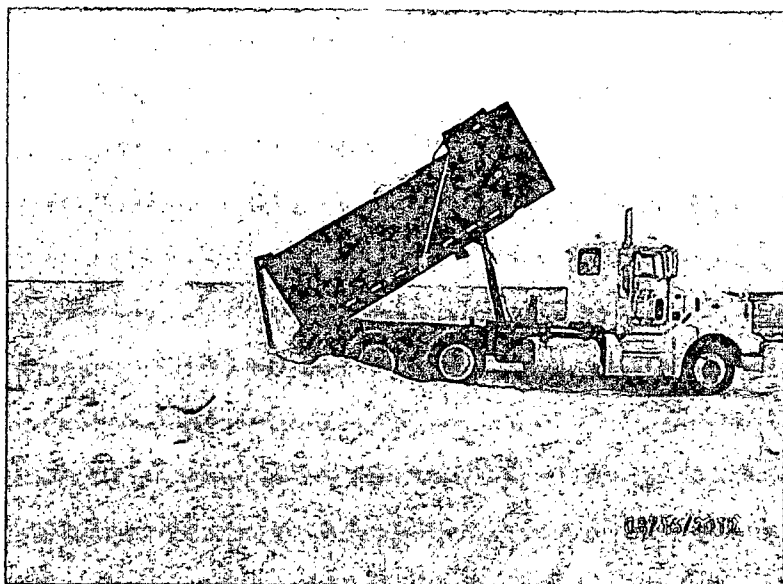
Final excavation, facing east

8/16/2012



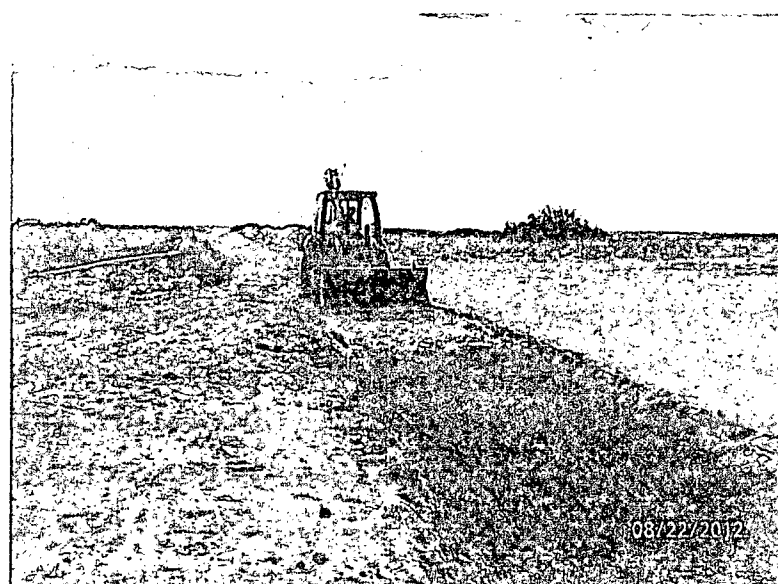
Final excavation, facing west

8/16/2012



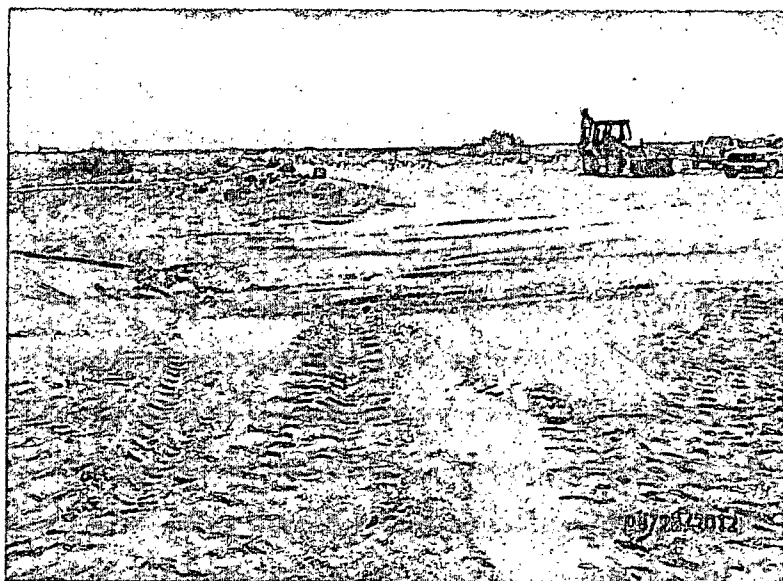
Importing caliche, facing south

8/16/2012



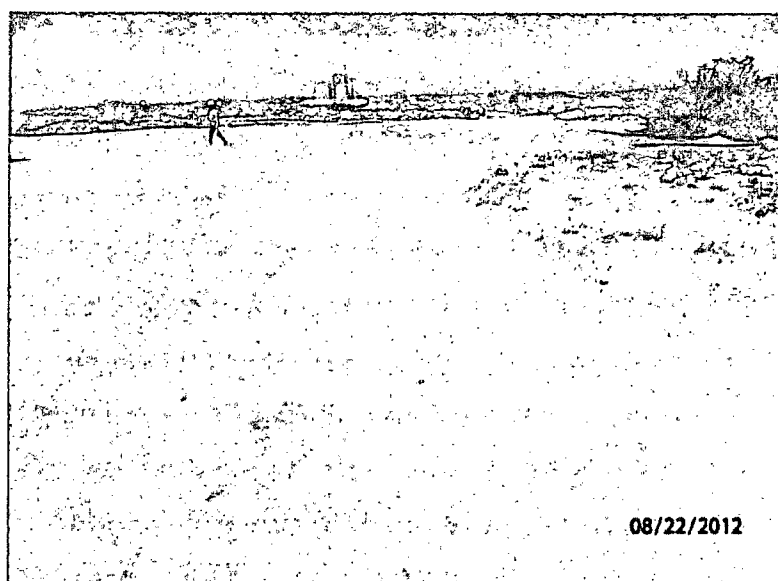
Backfilling, facing east

8/22/2012



Site complete, facing east

8/22/2012



Site complete, facing south

8/22/2012

Appendix C

Laboratory Results

RICE Environmental Consulting and Safety (RECS)
P.O. Box 5630 Hobbs, NM 88241
Phone 575.393.4411 Fax 575.393.0293

July 23, 2012

BRUCE BAKER

RICE ENVIRONMENTAL CONSULTING & SAFETY LLC

112 W. TAYLOR

HOBBS, NM 88240

RE: LINN TURNER A #11 AD

Enclosed are the results of analyses for samples received by the laboratory on 07/20/12 8:43.

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,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

 RICE ENVIRONMENTAL CONSULTING & SAFETY
 BRUCE BAKER
 112 W. TAYLOR
 HOBBS NM, 88240
 Fax To: (575) 397-1471

Received:	07/20/2012	Sampling Date:	07/19/2012
Reported:	07/23/2012	Sampling Type:	Soil
Project Name:	LINN TURNER A #11 AD	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SAMPLE POINT 1 (H201669-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7120	16.0	07/23/2012	ND	432	108	400	0.00	

Sample ID: SAMPLE POINT 2 (H201669-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5600	16.0	07/23/2012	ND	432	108	400	0.00		

Sample ID: SAMPLE POINT 3 (H201669-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	10000	16.0	07/23/2012	ND	432	108	400	0.00		

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

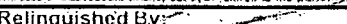
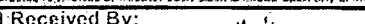

ARDINAL LABORATORIES

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

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 analysis. 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 of 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 herein. By Cardinal's acceptance of whether such claim is based upon any of the above stated theories or otherwise.

Relinquished By: 	Date: 7/20/12 Time: 6:43	Received By: 	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #:
Relinquished By:	Date: Time:	Received By:	REMARKS: Email results Lorin Brownhermer Zach Conoler Bruce Baker Huck Conoler
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Sample Condition Cool Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CHECKED BY: (Initials) 	

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

#26

August 16, 2012

BRUCE BAKER

RICE ENVIRONMENTAL CONSULTING & SAFETY LLC

112 W. TAYLOR

HOBBS, NM 88240

RE: TURNER A #11

Enclosed are the results of analyses for samples received by the laboratory on 08/10/12 15:30.

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/ga/lab_accred_certif.html.

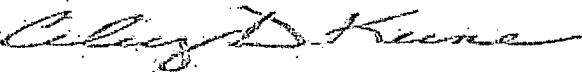
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

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
 BRUCE BAKER
 112 W. TAYLOR
 HOBBS NM, 88240
 Fax To: (575) 397-1471

 Received: 08/10/2012
 Reported: 08/16/2012
 Project Name: TURNER A #11
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 08/09/2012
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SURFACE AFTER SCRAPE (H201867-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2360	16.0	08/14/2012	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	08/14/2012	ND	185	92.7	200	2.44	
DRO >C10-C28	<10.0	10.0	08/14/2012	ND	186	93.0	200	6.34	
Surrogate: 1-Chlorooctane		90.4 %	65.2-140						
Surrogate: 1-Chlorooctadecane		96.2 %	63.6-154						

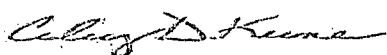
Sample ID: VERTICAL #1 @ 1' 6" (H201867-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	08/14/2012	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	08/14/2012	ND	185	92.7	200	2.44	
DRO >C10-C28	<10.0	10.0	08/14/2012	ND	186	93.0	200	6.34	
Surrogate: 1-Chlorooctane		90.8 %	65.2-140						
Surrogate: 1-Chlorooctadecane		91.6 %	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
 BRUCE BAKER
 112 W. TAYLOR
 HOBBS NM, 88240
 Fax To: (575) 397-1471

 Received: 08/10/2012
 Reported: 08/16/2012
 Project Name: TURNER A #11
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 08/09/2012
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

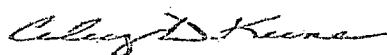
Sample ID: VERTICAL #1 @ 2' (H201867-03)

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	08/14/2012	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	08/14/2012	ND	185	92.7	200	2.44		
DRO >C10-C28	<10.0	10.0	08/14/2012	ND	186	93.0	200	6.34		
Surrogate: 1-Chlorooctane	90.6 %	65.2-140								
Surrogate: 1-Chlorooctadecane	97.3 %	63.6-154								

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

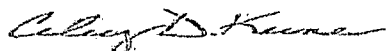
Notes and Definitions

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

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Celey D. Keene, Lab Director/Quality Manager



CARDINAL 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

Company Name: <u>Aspects E&C Recs</u>				BILL TO												ANALYSIS REQUEST																							
Project Manager:				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:				Company:																																			
City:				Attn:																																			
Phone #:				Address:																																			
Project #:				City:																																			
Project Owner:				State:				Zip:																															
Project Name: <u>Turner A #11</u>				Phone #:																																			
Project Location:				Fax #:																																			
Sampler Name: <u>Walston Harris</u>																																							
FOR LAB USE ONLY				MATRIX:				PRESERV:				SAMPLING:																											
Lab I.D.		Sample I.D.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER:		ACID/BASE		ICE / COOL		OTHER:		DATE		TIME													
<u>H201667</u>				<u>1</u>						<u>✓</u>														<u>8/9/12</u>		<u>9:50</u>		<u>✓</u>											
		<u>2</u>		<u>1</u>						<u>✓</u>														<u>8/9/12</u>		<u>2:20</u>		<u>✓</u>											
		<u>3</u>		<u>1</u>						<u>✓</u>														<u>8/9/12</u>		<u>2:30</u>		<u>✓</u>											

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Relinquished By: <u>Walston Harris</u>		Date: <u>8/10/12</u>		Received By: <u>Godi Benson</u>		Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Add'l Phone #:	
		Time: <u>3:30</u>				Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Add'l Fax #:	
Relinquished By:		Date:		Received By:		REMARKS: email results Zconder@rice-ecs.com; Bbaker@rice-ecs.com; hconder@rice-ecs.com; Lweinheimer@rice-ecs.com			
Delivered By: (Circle One)				Sample Condition		CHECKED BY:			
Sampler - UPS - Bus - Other:				Cool - Intact		(Initials)			
				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<u>Godi</u>			

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

#26

August 27, 2012

BRUCE BAKER

RICE ENVIRONMENTAL CONSULTING & SAFETY LLC

112 W. TAYLOR

HOBBS, NM 88240

RE: TURNER A #11

Enclosed are the results of analyses for samples received by the laboratory on 08/23/12 13:00.

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_accred_certif.html.

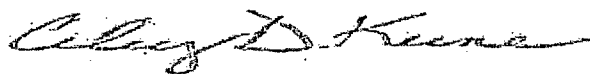
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

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
BRUCE BAKER
112 W. TAYLOR
HOBBS NM, 88240
Fax To: (575) 397-1471

Received: 08/23/2012
Reported: 08/27/2012
Project Name: TURNER A #11
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 08/22/2012
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Jodi Henson

Sample ID: IMPORTED SOIL (H202018-01)

Chloride, SM4500CI-B

mg/kg

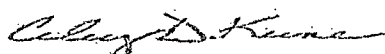
Analyzed By: AP

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/24/2012	ND	400	100	400	4.08	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

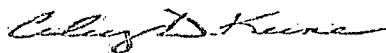
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Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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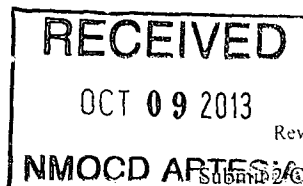
Appendix D

Final Form C-141

RICE Environmental Consulting and Safety (RECS)
P.O. Box 5630 Hobbs, NM 88241
Phone 575.393.4411 Fax 575.393.0293

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

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



Form C-141
Revised October 10, 2003

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

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company	Linn Energy	Contact	Gary Wink
Address	2310 W. Bender, Hobbs, NM 88240	Telephone No.	575-738-1739 ext. 1218
Facility Name	Turner A #11	Facility Type	Injection Well
Surface Owner	Federal	Mineral Owner	Federal
		Lease No.	30-015-05215

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
P	18	17S	31E	660	FSL	660	FEL	Eddy

Latitude _____ Longitude _____

NATURE OF RELEASE

Type of Release	Produced Water	Volume of Release	110 bbl	Volume Recovered	100 bbl
Source of Release	Pipeline leak	Date and Hour of Occurrence	07/19/2012 10:30 am	Date and Hour of Discovery	07/19/2012 11 am
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?	Gary Wink	Date and Hour	07/19/2012 2:20 pm		
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.*

Apache backhoe hit a lateral line to injection well. The damaged line was repaired and standing fluids were recovered.

Describe Area Affected and Cleanup Action Taken.*

The leak affected the caliche roadway north of the injection well. Samples were collected from throughout the leak area at surface and at depth. Soil samples were sent to a commercial laboratory for analyses. The leak area was excavated to 1' below ground surface and impacted soils were removed to a NMOCD approved disposal facility. The excavation was backfilled with clean caliche, compacted, and leveled.

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

OIL CONSERVATION DIVISION

Signature: <i>Gary W. Wink</i>	Approved by District Supervisor:	
Printed Name: Gary Wink	Approval Date:	Expiration Date:
Title: Production Foreman	Conditions of Approval:	
E-mail Address: gawink@linneenergy.com	Attached <input type="checkbox"/>	
Date: 07/23/2012 Phone: (575) 738-1739 ext. 1218		

* Attach Additional Sheets If Necessary