

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

Bruce Balen

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

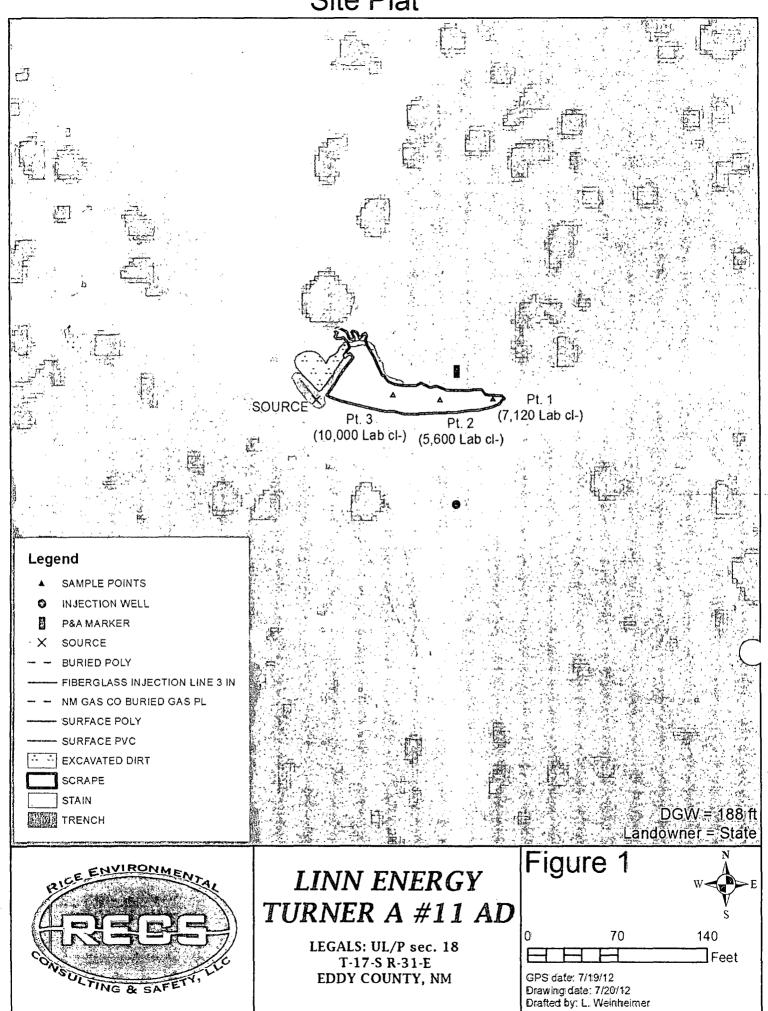
Appendix C: Laboratory Results

Appendix D: Final Form C-141

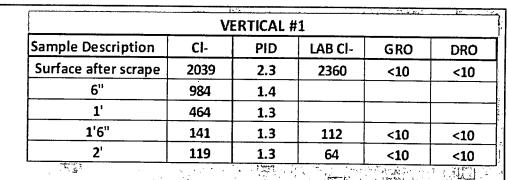
Figures

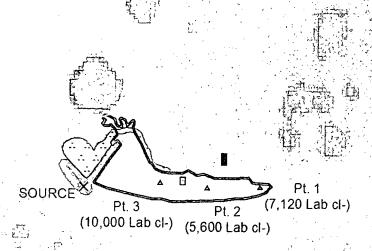
Phone 575.393.4411 Fax 575.393.0293

Site Plat



Site Plat





Legend

ह्य

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

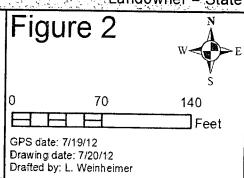
DGW = 188 ft

Landowner = State



LINN ENERGY TURNER A #11 AD

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



District I 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 District III 1000 Rio Biazos Road, Aziec, 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

RECEIVED JUL 23 2012

Form C-141 Revised October 10, 2003

NMORP COPPORTED DATE District Office in accordance with 19.15.29 NMAC

1220 South St. Francis Dr. Santa Fe, NM 87505 Release Notification and Corrective Action

nJMW	122	45108	7			OPERA	FOR	,	🛛 Initia	l Report		Final Report					
Name of Co	mpany: Li	nn Operatin	₃ 2	69324			Hernandez										
		der Hobbs,	NM 882	40			No.: 575-738-17	39									
Facility Nar	ne: Turner	A#11				Facility Typ	e: Injection										
Surface Ow	ner: Feder	al		Mineral O	wner: F	ederal			API No	.: 3001505	215						
				LOCA	TION	OF RE	LEASE										
Unit Letter P	Section 18	Township 17S	Range 31E	Feet from the 660		South Line South	Feet from the 660	ł	Vest Line East	County	Eddy	у					
	·		Latitue	de: 32.8290916	766608	Longitud	e: -103.902705	205355									
				NAT	URE	OF REL	EASE				•						
Type of Rele						Volume of	Release: 110		Volume F	Recovered:	00						
Source of Re	lease: Pipel	ine				4	lour of Occurrence	e:		Hour of Dis	covery	:					
Was Immedia	ate Notice (V	No. D Not Bo		07/19/2012 10:30am											
			res 🗀	No 🗌 Not Re	quirea												
By Whom? C		1 10	-		·		lour 07/19/2012	·									
Was a Water	course Read	inea? ,	Yes 🛚	No		II YES, V	olume Impacting t	ne Wate	ercourse			_					
If a Watercou	irse was Im	pacted, Descr	be Fully.*:			<u> </u>											
Describe Cau	se of Proble	en and Remed	dial Action	Taken.*: Apache	e backho	oe hit a latera	l line to injection	well.									
							t wide x 15 yds lo	, -									
regulations al public health should their o or the environ	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.	As To	eman,	7			Approved by District Supervisor: Signed By Mile Sciences											
Printed Name	: Joe Herna	مستری undez	,			Approved by	District Supervis	or: Sig	ned By	- 1171							
Title: Produc					- 1	Approval Da	AUG U I d	ZUIZ	Expiration								
E-mail Addre		dez@linnener P	gy.com hone, 575-9	942-9492		Conditions o	f Approval:			Attached							
		ets If Necess			20m06		OCD Bulos P				PD	1020					

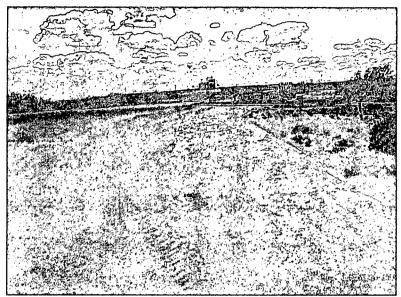
Remediation per OCD Rules & Guidelines. SUBMIT REMEDIATION PROPOSAL NOT LATER THAN:

2KV-1237

Appendix B Site Photographs

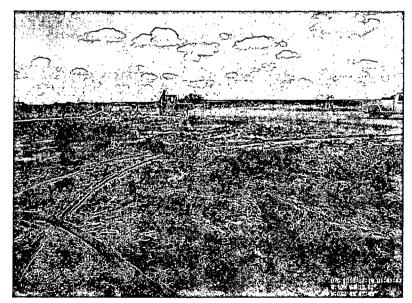
Linn Turner A #11 AD

Unit Letter A, Section 22, T17S, R31E



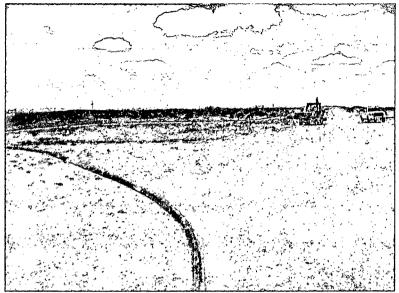
Initial release on road, facing west

7/19/2012



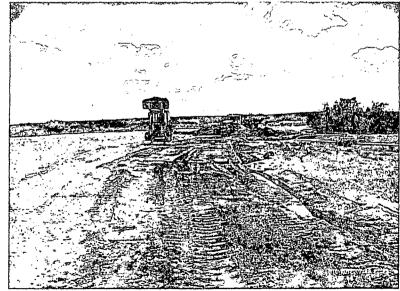
Initial release on road, facing southeast

7/19/2012



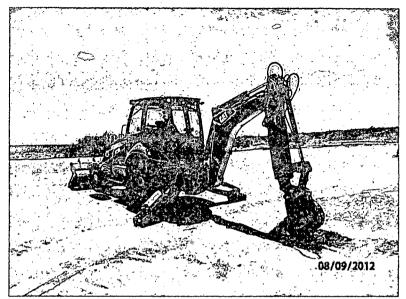
Initial release on road, facing northeast

7/19/2012



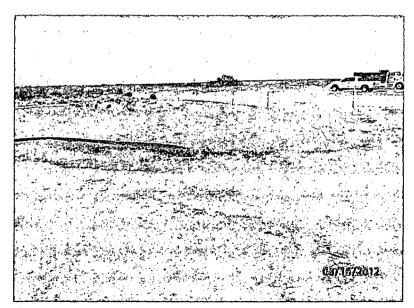
Scraping leak, facing west

7/19/2012



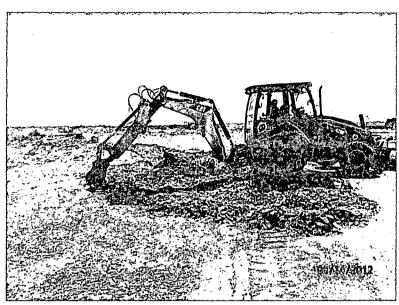
Digging vertical, facing south

8/9/2012



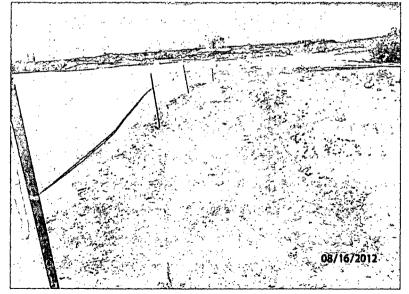
Final excavation, facing east

8/16/2012



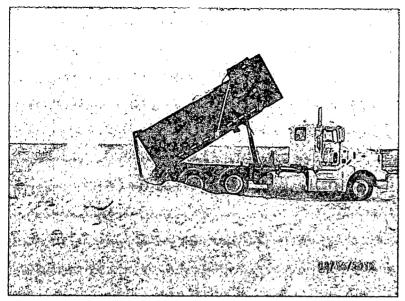
Excavating leak, facing east

8/14/2012



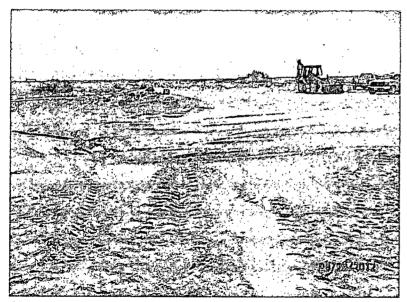
Final excavation, facing west

8/16/2012



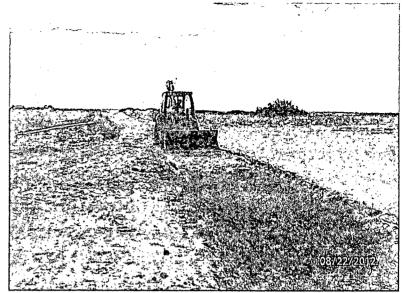
Importing caliche, facing south

8/16/2012



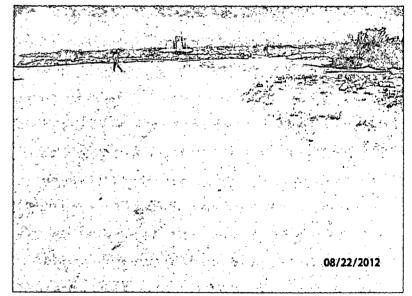
Site complete, facing east

8/22/2012



Backfilling, facing east

8/22/2012



Site complete, facing south

8/22/2012





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 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. 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

Reported:

07/23/2012

Project Name: Project Number: LINN TURNER A #11 AD

Reporting Limit

16.0

Project Location:

Analyte

NONE GIVEN

NOT GIVEN

Sampling Date:

07/19/2012

Jodi Henson

Sampling Type:

Soil

Sampling Condition:

** (See Notes)

Sample Received By:

Sample ID: SAMPLE POINT 1 (H201669-01)

Chloride, SM4500Cl-B

Chloride

Chloride

Chloride

mg/kg

Analyzed By: HM

Analyzed

07/23/2012

Method Blank ND

432

BS

% Recovery 108

True Value QC 400

RPD 0.00

Qualifier

Sample ID: SAMPLE POINT 2 (H201669-02)

Result

7120

Chloride, SM4500Cl-B

mg/kg

Analyzed By: HM

Analyte

Result 5600 Reporting Limit Analyzed 16.0 07/23/2012 Method Blank ND

BS 432 % Recovery 108

True Value QC 400

RPD 0.00 Qualifier

Sample ID: SAMPLE POINT 3 (H201669-03)

Chloride, SM4500Cl-B

mg/kg

10000

Analyzed By: HM

Analyte

Result Reporting Limit

16.0

Analyzed 07/23/2012 Method Blank ND

BS 432 % Recovery 108

True Value QC 400

RPD 0.00 Qualifier

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. 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 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.

Celing & Kenne



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 clent's exclusive remedy for any claim ansing, 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 whistoever 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 claims 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.

Celing & Keine

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company, Name	PECS							1.4	(1; r. ,.2; 2:2: <u>11</u> 1;		BI	LLI	O		÷				ANA	LYSI	S RE	QUE	ST			
Project Manage	ERUCE EN	- KDZ							0.0:												T		T			
Address:		. Vicini						Ċ	omi	òàn	y:]						-					
City:	Sta	nite:. Z	Zip:	······································		_		_ A	ttn:											-	1	1				
Phone #:	. Fax	#:						A	ädř	055	:				1											
Project #:	Pro	ject Owner:						C	ity:																	
Project Name:	CINN TURNET	AH	11		AC) .		s	tate	:		Zip:												}		
Project Locatio	n:							Р	lion	e#:												1	'	1	}	
Sampler Name:	TONY GRIEC	O.						F	āx #						(1)				ļ							
FOR TAB USE ONLY:	[·		.4	٦,		MAT	RIX		PF	RESI	ERV.	SA	MPL	NG	10						1					
ľ			8		nx .				1						2					1	1					
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	A		<u> </u>	H.	E E				35	ا.	1				L3121											
Lab I.D.	Sample I.D.		ő	₹.	NA PA		i		. Pse	18	1::			,	I						.•					1
in parties			(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER WASTEWATER	Sol	Qil.	ŠÜ	ACID/BASE	E/C	里	١														
17201869				ī.	≤ اِن	35	Ö	ž, Ç	2 3	12	10	DA		TIME.	J.					-	-	+	┼──			
7	Sample pant Sample pent Sample pent			- -		5			~[.~	+-		7/12	/12	3:00 3:05	シン								-			
12	Diva ple pervet	2	7		_		\dashv		-	╁	+-	ל נגן זה. ה	1/12	3.70	-		1-m 41-m/mag			4	-					
	Complex Actives		_	-				1	-	1	1	¹⁷ ./,1	2/13.0	1.7.7.				 		F		-	-			
			_ -	- -	_			1	-		1						l			-	-			-		1
			_	_ .			_	_ _	<u> -</u>	<u> </u>										_						
	int the structure. I to death 9 ?						,-		-		-							ļ			.]			-		
PLEASE NOTE: Liubilly u	ng Conneges, Cargayors llaustly and clears exclu	using tempedy for time	daku u	udsinu	i whentes	based	în cônti	art cr.	LOIL: ELS	I'l Des I	hnritest	to the armo	ner Just	d by the cleat for	ite		<u> </u>				<u> </u>	<u> </u>	<u> </u>	<u> </u>	l	<u></u>
englyses. All claims: lected	ng those for negligence lind any other cause was Realistal to fatale for incidental disconsequental d	esp ed linis revocate	urad w	yal word	លៅមន្តម ក	nade is	witting:	and fee	colved	by Can	r linat v	villala 30 da	aya ufu	a completion of I	he applicul	lita										
Relinquished B	ing out of or fallight to the partonicinico of service	is hardinijesby Gurd	inatiro	on irol	ed By	ethor's	uch chi	ini in is	धिती या १.	ion un	iy of th	d nizova at	stêd in	Phone Re	SUL .	□ Ye	s. []	No	lAdd'l	Phone	#5					
- Landenson	(١)	120117	1	1				1	1	. A	A.	والاله المنتوح	. . :	Fax Resul					Add'l	Fax#:	#:-					
	7 5 6	543	الم		بالغلا	<u>ستب </u>		<u> Z</u>	12	<u>W.</u>	1	01/1	<u></u>	CAN'S	a f	√°€	sul	13								
Relinquished B	y: Date	e: []	Rece	eivo	ed By	•	_	•						L	با المالية المالية	il— Ca	12.14	ihei	-154 (Fe	~						
ŀ	Tim	e:												1	کردر	4	S S S N	100		•						
Delivered By	(Circle One)			T	San	nple	Cond	lition	T			ED BY	:	7	Zaic Zaic	تن آ	Pc. 1	<6v								
Sampler - UPS	- Bus - Other:					Yes	ntact	es:						,	Hoc	Te o	۱ ۱ این	cite	·							
<u> </u>				!	12	: No	\Box	No"	i		r .!!	,			1 10 4	ر سمر باره	\mathcal{L}^{\vee}	د ومار، م	•							

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



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/qa/lab accred certif.html.

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

Method EPA 552.2

Haloacetic Acids (HAA-5)

Method EPA 524.2

Total Trihalomethanes (TTHM)

Method EPA 524.4

Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

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: Reported: 08/10/2012

08/16/2012

Project Name:

TURNER A #11 NONE GIVEN

Project Number: 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, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	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	% 65.2-14	0						•
Surrogate: 1-Chlorooctadecane	96.2	% 63.6-15	4						

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

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	08/14/2012	ND	416	104	400	0.00	
ТРН 8015М	mg	/kg	Analyze	d By: MS			···		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10,0	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	% 65.2-14	0	<u></u>			 		
Surrogate: 1-Chlorooctadecane	91.6	%, 63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's hability 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 whistoever 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 claims 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 writen approval of Cardinal Laboratories.

Celly & Kena



Analytical Results For:

RICE ENVIRONMENTAL CONSULTING & SAFETY

BRUCE BAKER 112 W. TAYLOR HOBBS NM, 88240

Fax To:

(575) 397-1471

Received: Reported: 08/10/2012

08/16/2012

TURNER A #11

Project Name: Project Number:

NONE GIVEN

Sampling Date:

08/09/2012

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact Jodi Henson

Project Location: NOT GIVEN

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

Chloride, SM4500CI-B

Analyzed By: AP

Citionac, citiodaci B		7.19		a = 1170					
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	
ТРН 8015М	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	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

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 daim 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. Keena

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 clern's exclusive remedy for any claim ansing, 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 whistoewer 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 claims 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. Kune



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

Company Name	e: Asoche / 17				7,0.	3-700	<u></u>											ΔΝΔΙ	LYSIS	· RF	OUF	ST			
Project Manage		<u>ccy</u>							O. #.		7 Au			Í	1		Г	7175	<u>-,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>	<u></u>	402	} 			Γ.
Address:										aný:	<u> </u>						<u> </u>	<u>ر</u> ي:					[]	1	1
City:	And the second s	State: NM	Zip	,;					ttn:									- Lo			'	!	1.	1	'
Phone #:	And the second s	Fax #:							ddre			######################################			1			Ĕ					1	1	
Project #:	والمراقية والمراقبة والمرا	Project Owner						~ [ity:		autro-rice is, n. e		etranspriss to return the transfer	. !	2			¥,					1 1	1	!
	Turner A H		*******			********	-	_	ate:		7	ip:	Projection and the secondary and	es	5	ر ا	古	ns.			'		1 1	1	'
Project Location		7/	o- piperson e	***********					none			12.	***************************************	<u>.</u>	8015			읖	TDS				1 1	1	
Sampler Name:		•n75.							x #:	-				Chlorides	ω.	BTEX	Texas TPH	ပ္ပို			'		1 1	1	
FOR LAB USE CHLY				П		MATE	RIX:	تن <i>د</i>		ESERV	v.	SAMPLI	NG	ည်	TPH	ш	ŏ	(t)					1 1	1 1	
Lab I.D.	Sample I.		Pyly (G)RAB OR(C)OMP.	- # CONTAINERS	GROUNDWATER. WASTEWATER	SOIL	Studge	OTHER	ACID/BASE:	ICE/COOL OTHER!	OIMEN:	DATE	TIME		 			Complete Cations/Anions							
1	Sur Pare Dettes	here .	(3-	1	4	12/		<u> </u>		4	_ 3	19/12	<i>3</i> 0.90	2/	20	<u> </u>									
2	Surface DEGS Verbasit PE (Vid Verbist #16, 9	540	0	1			1	'			17	1940	0.30 0.30	37.	3,5		<u>.</u>								
4	你的讲他。多		Ü	7			1				ŢŽ,	19/16-	2.30	300	34.20								أحيا		
·	<u> </u>					11	-			<u>-</u>	_ _		<u> </u>												
<u> </u>				-		<u> </u>					_ _														<u> </u>
						╄-	-	<u> -</u> '			_ _														
	<u> </u>			-	+		-	+-'			- -			 -											
					-	-	- -	1			- -		ļl										_i		
<u> </u>						+	+	+	-		- -											<u> </u>			
analytics: All claims include services in no event thail Co	to Thurs	cause whatsoever shad on d quental damages; including	remed valued ordinal, Red	d waived d britatio	unless m on, this the res of wh red By:	reside in w ness interri hether suc	uling un suptions,	nd recei Gloss o	cired by	y Cordinat or loss of	al withir	in 20 days after a inclined by t	r completion of the	ie opplicat ics suit: t:	□ Ye			Add'l F Add'l F	Phone / Fax #:	ti:					33.00
Delivered By	: (Circle One)	1.2.20	نيا <u>.</u> ر	1	Sar	nple C	-2 <u>11</u>	<u>رسيم.</u> انامان	<u> </u>	CHEC	Y/	N RV.	Zcond	er@	rice	-ecs	.com	: Bb	aker	:@řic	ce-ë	cs.cc	om;		ļ
	- Bus - Other:		:(,	*	Coc	ol _in Yes [No [itact >			LY.		51	hcond	er@	rice	-ecs	com	; Lw	einh	eime	er@r	rice-e	ecs.c	moc	

^{&#}x27;f Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476



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/ga/lab accred certif.html.

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

Method EPA 552.2

Haloacetic Acids (HAA-5)

Method EPA 524.2

Total Trihalomethanes (TTHM)

Method EPA 524.4

Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

all of theme

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

Sampling Date:

08/22/2012

Reported:

08/27/2012

Sampling Type:

Soil

Project Name:

TURNER A #11

Sampling Condition:

** (See Notes)

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

NOT GIVEN

Sample ID: IMPORTED SOIL (H202018-01)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/24/2012	ND	400	100	400	4.08	

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 regigence and any other cause whatsoever shall be geemed 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 darrages, 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. Kuna



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 claims is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This responsible into the reproduced except in full with written approval of Cardinal Laboratonnes.

Celly D. Kura

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name	RECS:							1		4440n 4440n	BI	LL TO		i i				ANA	YSIS	RE	QUES	ST			
Project Manage	" Gruce Roker								0.	:#:															
Address:						***************************************			Cón	npar	ıy:;							2					İ		
City:	·	State: NM	Zip	: 88	240			_ /	Attr	1:								O						;	
Phone #:		Fax#:							Add	ress	ì:				į			Ę							
Project #:		Project Owne	r:	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		····	·		City	:				<i>i</i> 0	≥.		ェ	//s							
Project Name:	Turner AHI	1.							Stat	e:		Zip:		ě	15	×	٩	o							
Project Location				·***********	n			F	Pho	në#	:			Ξ	8015	Ш	S	ati	TDS						
Sampler Name:	Delesten Harri	5		,					ах					Chlorides		BTEX	Texas TPH	Ċ	1				ļ		
FOR LAB USE ONLY						MA	TRIX		F	PRES	ERV.	SAMPL	NG	Ü	TPH		e	.e					ļ	•	
Lãb l.D.	Sample I.	D:	(1) (G) RAS OR (C) OMP.	# CONTAINERS.	GROUNDWATER	S) EWATER		SLUDGE	HER:	D/BASE.	OTHER:				1			Complete Cations/Anions							
11202018			0) #	8	SOIL	ㅎ	SE	0	<u> </u>	15	DATE	TIME										\longrightarrow		
	Importe Soil		12	4		14		_		-	-	8/00/12	10:45	3/											,
		***************************************	-			-		1	- -	_	-	**************************************						*******							
_			-			-			- -																
	<u> </u>					+		-+	- -	- -	+	·													
			1-		-	+		-	- -	+	†		·												
			1			十			- -	1	1														
									1							*****									
											I														
			L					.									·	ا ا							
unalyzes. All claims include service. In my event shall C	d Danuges. Cardoul's baldly and decig g those to geologico mis shy other a suknal be liable for incidental or conseq ig out of ar islated to the performance of	iuse whiteoever shall be uentri damages, inchiding	deerne Judition	d walved d limitati	i nivers on, bus	made t	i wilini Lenupu	g imid te ins, los	celie s oi u	id by Ca Lg. er k	utinai v	all in the state of the state incorporate by a	r completion of the	in applicat ries,	to										
Relinquished/By		Pals 2512		cciv			; }						Phone Resul	Buit:	☐ Ye	<u>[2]</u>	No:	Add'l F Add'l F	none /	¥:					
1 10101	T. AMY	Time: 7: 36		IN	ľ,	, ,	J	بيخر			· "		REMARKS);·										· · · · · · · · · · · · · · · · · · ·	
Relinguished By	/:	Date 7-23 12	Re	ceiv	ed B	V:		,	` r.				email	resu	lts										
Relinguished By	description of the second	Time: DD			16	W.			le	No	De	m	Zconder@rice-ecs.com; Bbaker@rice-ecs.com;												
Delivered By:	(Circle One)				C	mple ool	listar	1	n:	.CI		EO BY:	hcond											om	1
Sampler - UPS	- Bùs - Other:			*	Ě] Yés √No		Yes No				H.	HOOHU	e 1 (10)	niće.	CUS.	COIII	, LVV	CIIII	CHILL	: (W)	108-6	505,C	UIN	

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



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

* Attach Additional Sheets If Necessary

State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 RECEIVED

OCT **09** 2013

Form C-141 Revised October 10, 2003

NMOCD APSILE 26 opies to appropriate
District Office in accordance
with Rule 116 on back
side of form

Release Notification and Corrective Action

						OPERA	ГOR		☐ Initi	al Report_	\boxtimes	Final Report		
Name of Co		Linn Ene		1		Contact	Gary Wink							
Address		Bender, Ho	bbs, NM	88240		Celephone 1			ext. 1218					
Facility Nar	ne Tu	rner A #11			<u> </u> F	acility Typ	e Injection	Well						
Surface Ow	ner Fe	deral		Mineral O	wner	Federal			Lease N	Vo. 30-015	-05215			
						OF RE	LEASE							
Unit Letter	Section	Township	Range	Feet from the	North/S	South Line	Feet from the	East/V	Vest Line	County				
Р	18	175	31E	660	FSL		660	FEL		Eddy				
			Lat	itude		_ Longitue	de							
				NATI	URE (OF RELI	EASE							
Type of Rele		uced Water					Release 110 bbl		Volume Recovered 100 bbl					
Source of Re	lease Pip	eline leak				Date and F 07/19/2012	lour of Occurrenc ! 10:30 am	e	Date and 07/19/20	Hour of Dis 12 11 am	covery			
Was Immedi	ate Notice C					If YES, To	Whom?							
		\boxtimes	Yes	No 🗌 Not Rec	quired	M. Bratche	r – NMOCD T	. Gregs	ton – BLM			ļ		
By Whom?	Gary W					Date and H		2 2:20	pm					
Was a Water	course Reac		Yes 🛭	1 No		If YES, Vo	lume Impacting t	he Wate	ercourse.					
				-										
If a Watercou	irse was Im	pacted, Descr	ibe Fully.*	•										
		em and Reme					······································							
Apache back	hoe hit a lat	eral line to inj	ection we	II. The damaged li	ne was i	repaired and	standing fluids w	ere reco	vered.					
Describe Are	a Affected a	ind Cleanup A	Action Tak	ten.*			·							
The leak affe	cted the cali	iche roadway	north of tl	ne injection well. S										
samples were	sent to a co	ommercial lab	oratory fo	r analyses. The leastion was backfilled	ak area v	vas excavate	d to 1' below gro	und sur lavalad	face and in	pacted soils	were r	emoved to a		
I hereby certi	fy that the i	nformation gi	ven above	is true and comple	ete to the	e best of my	knowledge and u	nderstar	nd that purs	suant to NM	OCD ri	iles and		
regulations al	loperators	are required to	report an	id/or file certain rel	lease no	tifications ar	nd perform correc	tive acti	ons for rel	eases which	may en	danger		
				e of a C-141 repor										
				investigate and rer tance of a C-141 re										
		vs and/or regu		rance of a C-141 TC	sport do	es not renev	e the operator of i	esponsi	omity for c	отриансе ч	viin any	other		
							OIL CONSERVATION DIVISION							
Signature	Hour	W. 1	in h	1										
orginatures.	y ung	<u> </u>			Δ	naroved by	District Superviso)r.						
Printed Name	: Gary	Wink			^_									
Title: P	roduction F	oreman			A	pproval Dat	e:	!	Expiration	Date:	. 			
E-mail Addre	ss: gawir	nk@linnegerg	v.com		c	onditions of		Attached						
Date: 07/2	23/2012	Pł	none: (57	5) 738-1739 ext. 12	218					Auached	Ц			