

July 10, 2013

AMARILLO 921 North Bivins Amarillo, Texas 79107 Phone 806.467.0607 Fax 806.467.0622

408 West Texas Ave. Artesia. New Mexico 88210

> Phone 575.746.8768 Fax 575.746.8905

Mr. Mike Bratcher
NMOCD District 2
1301 West Grand Avenue
Artesia, NM 88210

RECEIVED
JUL 1 6 2013

NMOCD ARTESIA

Subject:

Remediation and Closure Report

Lime Rock Resources II-A, L.P.

Logan State No. 2

30-015-30406 2RP-1514

Dear Mr. Bratcher,

HOBBS

ARTESIA

318 East Taylor Street Hobbs, New Mexico 88240 Phone 575.393.4261 Fax 575.393.4658 Lime Rock Resources II-A, L.P. (Lime Rock) contracted Talon/LPE (Talon) to perform soil assessment and remediation services at the referenced Logan State No. 2. The completed remediation activities and closure request are submitted herein.

Incident Date

MIDLAND

290I State Hwy 349 Midland, Texas 79706 Phone 432.522.2133 Fax 432.522.2180 January 9, 2013

Background Information

OKLAHOMA CITY 7700 North Hudson Avenue Suite IO Oklahoma City, Oklahoma 73II6 Phone 405.486.7030 Fax 806.467.0622 The Logan State No. 2 is located approximately twelve (12) miles southeast of Artesia, New Mexico. The legal location for the site is Section 2, Township 18 South and Range 27 East in Eddy County, New Mexico. More specifically, the latitude and longitude for the release are 32.78018 North and -104.25143 West.

SAN ANTONIO II Commercial Place Schertz, Texas 78154 Phone 210.265.8025 Fax 210.568.2191 According to the soil survey provided by the United States Department of Agriculture National Resources Conservation Services, the soil in this area is made up of Gypsum land Cottonwood complex with 0 to 3 percent slopes. The local surface and shallow geology, Paleozoic Age sedimentary deposits, is comprised of the Guadeloupian Artesia Group, Tansil and Yates formations which include silty soils under lain by gypsum and hard caliches. Drainage courses in this area are normally dry. The New Mexico State Engineer web site indicates the nearest ground water data to be in S10-T18S-R27E. The ground water in the area is reported to be 50' below ground surface (bgs). The referenced groundwater data is presented in Appendix I.

The ranking for this site is 10 based on the as following:

ENVIRONMENTAL CONSULTING

ENGINEERING
DRILLING
CONSTRUCTION
SPILL MANAGEMENT
GENERAL CONTRACTING

Depth to ground water 50' - 100'
Wellhead Protection Area >1000'
Distance to surface water body >1000'

Toll Free: 866.742.0742 www.talonlpe.com

Incident Description

On January 9, 2013 a transfer pump malfunctioned causing the water tank to overflow. Approximately 102 barrels of produced water were released breaching the earthen berms. A vacuum truck was brought to the location and 20 barrels of produced water were recovered.

Actions Taken

On January 21, 2013 Talon/LPE mobilized personnel to begin the site assessment and soil sampling activities for the construction of a work plan. Grab soil samples were collected utilizing a hand auger to a depth of 1-foot below ground surface. The soil sample locations are illustrated on the attached site plan.

On February13, 2013 Talon returned to the site to collect additional soil samples utilizing an air rotary rig for vertical delineation of the impacted area. Grab soil samples were collected from surface to a depth of 10-feet deep.

Soil samples were collected by Talon personnel wearing clean nitrile gloves. The samples were placed in laboratory provided sample containers, iced and transported to Cardinal Laboratories in Hobbs, New Mexico. The samples were tested for TPH (Total Petroleum Hydrocarbons) using EPA Method 8015M, volatile organics (BTEX) using EPA Method 8021B and analysis of Chlorides using Method SM4500CL-B. The complete laboratory report is attached as Appendix II.

Analytical Results

Analytical results received from Cardinal Laboratories are summarized below:

January 28, 2013

Samp	le, Depth	Chlorides	BTEX	TPH (mg/kg)
S-1	0'	80000	69.7	32930
	1'	32000	14.9	35.1
S-2	0'	28400	<0.300	243
	0.5'	12200	<0.300	<10
S-3	0'	19800	<0.300	462
	1'	16800	<0.300	<10

Remedial Actions

- The impacted areas located inside of the berm and outside of the berm were excavated to a depth of 2 to 6-feet deep and then transported to Lea Land LLC a NMOCD approved solid waste disposal facility.
- Confirmation soil samples were collected from the sidewalls of the excavated area. The soil samples were submitted to the laboratory for TPH analysis using Method 8015M, BTEX analysis using Method 8021B. The chloride samples were analyzed per Method SM4500Cl-B.
- On May 7, 2013 a meeting was conducted at the NMOCD office. Laboratory data from the excavated areas were presented for review. Permission was granted to backfill the excavation.
- The excavated area was then backfilled to grade using new material transported to location. The backfilled area was contoured to match the existing location.

On behalf of Lime Rock Resources II-A, L.P. Talon/LPE requests closure for the release that occurred on January 9, 2013 at the Logan State No.2 tank battery.

Respectfully submitted,

TALON/LPE

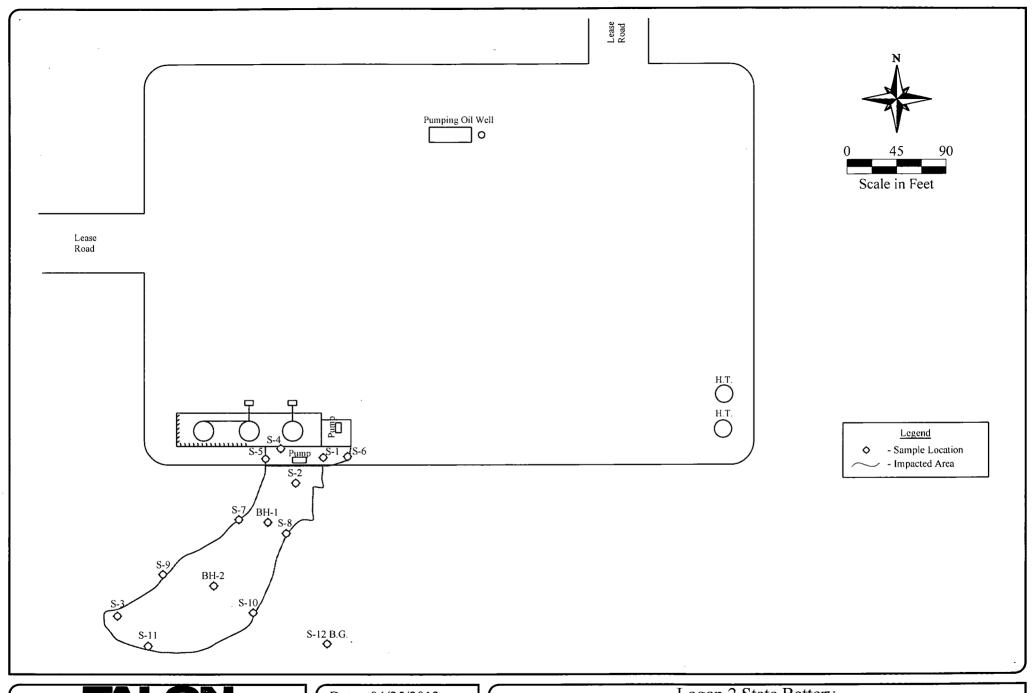
Mike Stubblefield

Project Manager

David J. Adkins

District Manager

SITE PLAN





Date: 04/25/2013

Scale: 1" = 90'

Drawn By: TJS

Logan 2 State Battery
Lime Rock Resources
Eddy County, New Mexico
Figure 1 - Site Plan



January 28, 2013

MIKE STUBBLEFIELD

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: LOGAN 2 STATE BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 01/22/13 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 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.

Celey & Keine

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



TALON LPE MIKE STUBBLEFIELD 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

Received:

01/22/2013

Sampling Date:

01/21/2013

Reported:

Soil

01/28/2013

Sampling Type: Sampling Condition:

Cool & Intact

Project Name:

LOGAN 2 STATE BATTERY

Sample Received By:

Jodi Henson

Project Number:

NONE GIVEN

Project Location:

SEC. 2 - T18S - R27E

Sample ID: S-1 0' (H300170-01)

BTEX 8021B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	4.02	0.500	01/25/2013	ND	1.81	90.3	2.00	13.2	
Toluene*	19.8	0.500	01/25/2013	ND	1.92	96.0	2.00	13.2	
Ethylbenzene*	15.9	0.500	01/25/2013	ND	1.99	99.7	2.00	13.4	
Total Xylenes*	29.9	1.50	01/25/2013	ND	6.04	101	6.00	13.5	
Total BTEX	69.7	3.00	01/25/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	119 %	6 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80000	16.0	01/25/2013	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	1030	50.0	01/24/2013	ND	188	94.2	200	1.42	
DRO >C10-C28	31900	50.0	01/24/2013	ND	196	98.0	200	0.134	
Surrogate: 1-Chlorooctane	148 9	65.2-14	0						· · · · · · · · · · · · · · · · · · ·
Surrogate: 1-Chlorooctadecane	861 9	63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

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Celent Keene



TALON LPE MIKE STUBBLEFIELD 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

Received:

01/22/2013

Sampling Date:

01/21/2013

Reported:

01/28/2013

Sampling Type:

Soil

Project Name:

LOGAN 2 STATE BATTERY

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Project Location:

SEC. 2 - T18S - R27E

Sample Received By:

Jodi Henson

Sample ID: S-1 1' (H300170-02)

BTEX 8021B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	1.40	0.100	01/26/2013	ND	1.81	90.3	2.00	13.2	
Toluene*	5.38	0.100	01/26/2013	ND	1.92	96.0	2.00	13.2	
Ethylbenzene*	2.97	0.100	01/26/2013	ND	1.99	99.7	2.00	13.4	
Total Xylenes*	5.16	0.300	01/26/2013	ND	6.04	101	6.00	13.5	
Total BTEX	14.9	0.600	01/26/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	112 9	% 89.4-12	6	·					
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32000	16.0	01/25/2013	ND	416	104	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	13.3	10.0	01/24/2013	ND	188	94.2	200	1.42	
DRO >C10-C28	21.8	10.0	01/24/2013	ND	196	98.0	200	0.134	
Surrogate: 1-Chlorooctane	59.1	% 65.2-14	10						
Surrogate: 1-Chlorooctadecane	69.5	% 63.6-15	14						

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Fax To:

(575) 745-8905

Received:

01/22/2013

Sampling Date:

01/21/2013

Reported:

01/28/2013

Sampling Type:

Soil

Project Name:

LOGAN 2 STATE BATTERY

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

SEC. 2 - T18S - R27E

Sample ID: S-2 0' (H300170-03)

BTEX 8021B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/26/2013	ND	1.81	90.3	2.00	13.2	
Toluene*	<0.050	0.050	01/26/2013	ND	1.92	96.0	2.00	13.2	
Ethylbenzene*	<0.050	0.050	01/26/2013	ND	1.99	99.7	2.00	13.4	
Total Xylenes*	<0.150	0.150	01/26/2013	ND	6.04	101	6.00	13.5	
Total BTEX	<0.300	0.300	01/26/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	107 %	% 89.4-12	6	100					
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	28400	16.0	01/25/2013	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	01/24/2013	ND	188	94.2	200	1.42	
DRO >C10-C28	243	10.0	01/24/2013	ND	196	98.0	200	0.134	
Surrogate: 1-Chlorooctane	77.0	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	85.1	% 63.6-15	4						

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Celey D. Keene



TALON LPE MIKE STUBBLEFIELD 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

Received:

01/22/2013

Sampling Date:

01/21/2013

Reported:

01/28/2013

Sampling Type:

Soil

Project Name:

LOGAN 2 STATE BATTERY

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

SEC. 2 - T18S - R27E

Sample ID: S-2 0.5' (H300170-04)

BTEX 8021B	mg/	'kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/26/2013	ND	1.81	90.3	2.00	13.2	
Toluene*	<0.050	0.050	01/26/2013	ND	1.92	96.0	2.00	13.2	
Ethylbenzene*	<0.050	0.050	01/26/2013	ND	1.99	99.7	2.00	13.4	
Total Xylenes*	<0.150	0.150	01/26/2013	ND	6.04	101	6.00	13.5	
Total BTEX	<0.300	0.300	01/26/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIC	103 9	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	12200	16.0	01/25/2013	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	01/26/2013	ND	205	103	200	19.4	
DRO >C10-C28	<10.0	10.0	01/26/2013	ND	198	99.0	200	15.1	
Surrogate: 1-Chlorooctane	98.2	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	115 9	% 63.6-15	4						

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Fax To:

(575) 745-8905

Received:

01/22/2013

Sampling Date:

01/21/2013

Reported:

Sampling Type:

Soil

01/28/2013 LOGAN 2 STATE BATTERY

Sampling Condition:

Cool & Intact

Project Name: Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

SEC. 2 - T18S - R27E

Sample ID: S-3 0' (H300170-05)

BTEX 8021B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/26/2013	ND	1.81	90.3	2.00	13.2	
Toluene*	<0.050	0.050	01/26/2013	ND	1.92	96.0	2.00	13.2	
Ethylbenzene*	<0.050	0.050	01/26/2013	ND	1.99	99.7	2.00	13.4	
Total Xylenes*	<0.150	0.150	01/26/2013	ND	6.04	101	6.00	13.5	
Total BTEX	<0.300	0.300	01/26/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	104 %	6 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	19800	16.0	01/25/2013	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	01/24/2013	ND	205	103	200	19.4	
DRO >C10-C28	462	10.0	01/24/2013	ND	198	99.0	200	15.1	
Surrogate: 1-Chlorooctane	66.6	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	80.7	% 63.6-15	4						

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TALON LPE
MIKE STUBBLEFIELD
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received:

01/22/2013

Reported:

01/28/2013

Project Name: Project Number: LOGAN 2 STATE BATTERY

Project Location:

NONE GIVEN

SEC. 2 - T18S - R27E

Sampling Date:

te:

01/21/2013

Sampling Type:

Soil

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

Sample ID: S-3 1' (H300170-06)

BTEX 8021B	mg/	kg	Analyze	d By: AP		·			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/26/2013	ND	1.81	90.3	2.00	13.2	
Toluene*	<0.050	0.050	01/26/2013	ND	1.92	96.0	2.00	13.2	
Ethylbenzene*	<0.050	0.050	01/26/2013	ND	1.99	99.7	2.00	13.4	
Total Xylenes*	<0.150	0.150	01/26/2013	ND	6.04	101	6.00	13.5	
Total BTEX	<0.300	0.300	01/26/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	104 5	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16800	16.0	01/25/2013	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	01/24/2013	ND	205	103	200	19.4	
DRO >C10-C28	<10.0	10.0	01/24/2013	ND	198	99.0	200	15.1	
Surrogate: 1-Chlorooctane	66.9	% 65.2-14	0				······································		
Surrogate: 1-Chlorooctadecane	78.1	% 63.6-15	4						

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*=Accredited Analyte

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Celeg & Keine



Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name	Talen/LPE		BILL TO	The second of th			ANA	LYSIS RE	QUEST	
Project Manage	" miss callefull	227-201-11-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	P.O. #:							
Address:	403 WIST Tedal Ave.		Company: Talon/28	E						
City:	Actusia, State: N.M.	Zip: 88710	Attn:							
Phone #:	575-441-7254 , Fax#:		Address:			l				
Project #:	Project Owne	r: Line Rock Rec.	City:		ļ					
Project Name:	Logan Z STATE battery		State: Zip:						1]],
Project Location	n: sec. 2. T185-R276	ede galence gradus de se endes deces unes de es	Phone #:							
Sampler Name:	on tea Gasselfield		Fax #:			•	1			
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	ACID/BASE: ACID/BASE: ICE / CCOLL ICE / CCOLL OTHER:		Boism TPH	3021 9 078%. Total 626, 11301				
RECOMO				TIME		"		 	 	
	S-I O	4		4:33 P			 			
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analyses. All claims includ	nd Damages. Catdinal's lithibity and client's exclusive remedy for ing those for negligence and any other cause whatsoever shall be Cardinal be liable for incidental or consequental damages, includin	deemed waived unless made in writing ar	d received by Cardinal within 30 days aft	er completion of the	applicable					
affiliates or successors aris	ing 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 re	Phone Rest		Yes 🗆	No Add'l	Phone #:		
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Sampler - UPS	: (Circle One) - Bus - other	Sample Condi Cool _Intact	(Initials)							
† Cardinal	cannot accept verbal changes. Pleas	e fax written changes to	(575) 393-2326							Pa



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Talon / LPE	· · · · · · · · · · · · · · · · · · ·	BILL TO	ANALYSIS REQUEST
roject Manager: mike Squbble field		P.O. #:	
address: 408 West Teral Ruc.		Company: Talon / LPE	
	Zip: 88210	Attn:	
hone #: 5ንና · ሂዛ፣ ንշናዛ Fax #:		Address:	
roject #: Project Owne	1: Ocuan Energy loip.	City:	
Project #: Project Owner Project Owner Project Name: Sicawberry 7 Fed. Com. No. 7		State: Zip:	
roject Location: sec. 7 - TISC-R31E		Phone #:	
ampler Name: mile (STERLIE)		Fax #:	
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LEASE NOTE: Liability and Damages. Cardinar's liability and client's exclusive remedy (et nalyses. All claims including thase for negligence and any other cause whatsoever shall b	deemed walved unless made in writing m	id received by Cardinal within 30 days after completion of the	ne applicable
rvice. In re event shall Cardinal be lable for incidental or consequental damages, including filters or successors arising out of or related to the performance of services hereunder by lelinquished By: Data:	Confinal reportiess of whether such claim	is based upon any of the above stated reasons or otherwis	c.
1 35 501	Received By: Received By:	Fax Resul	t: ☐ Yes ☐ No Add'l Fax#:
Mile Surrey Times Date:	19/1/2010 ON	LAJOAL REMARKS);
Relinquished By: Date: Time:	Réceived By:		
Delivered By: (Circle One) Sampler - UPS - Bus - Other)	Sample Condi Cool Intact Yes Yes No N	(initials)	
† Cardinal cannot accept verbal changes. Pleas		/\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Pag



February 19, 2013

DAVID ADKINS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: LOGAN 2 STATE NO. 2

Enclosed are the results of analyses for samples received by the laboratory on 02/13/13 14:45.

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.qov/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.

Celey D. Keene

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



TALON LPE DAVID ADKINS 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

Received:

02/13/2013

Sampling Date:

02/13/2013

Reported:

02/19/2013

Sampling Type:

Soil

Project Name:

LOGAN 2 STATE NO. 2

Sampling Condition:

Cool & Intact

Project Number:

701307.045.01

Sample Received By:

Project Location:

SEC. 2 - T18S - R27E

Jodi Henson

Sample ID: BH - 1 0' (H300412-01)

BTEX 8021B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/19/2013	ND	2.38	119	2.00	0.589	
Toluene*	<0.050	0.050	02/19/2013	ND	2.33	117	2.00	0.465	
Ethylbenzene*	<0.050	0.050	02/19/2013	ND	2.27	113	2.00	0.379	
Total Xylenes*	<0.150	0.150	02/19/2013	ND	6.91	115	6.00	0.715	
Total BTEX	<0.300	0.300	02/19/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	109 %	6 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: DW			•		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	14200	16.0	02/18/2013	ND	448	112	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	02/19/2013	ND	208	104	200	3.34	
DRO >C10-C28	<10.0	10.0	02/19/2013	ND	207	104	200	15.6	
Surrogate: 1-Chlorooctane	78.4	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	93.5	% 63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keine



TALON LPE DAVID ADKINS 408 W. TEXAS AVE. ARTESIA NM, 88210

Fax To:

(575) 745-8905

Received:

02/13/2013

Sampling Date:

02/13/2013

Reported:

02/19/2013

Sampling Type:

Soil

Project Name:

LOGAN 2 STATE NO. 2

Sampling Condition:

Cool & Intact

Project Number:

701307.045.01

Sample Received By:

Jodi Henson

Project Location:

SEC. 2 - T18S - R27E

Sample ID: BH - 1 2' (H300412-02)

BTEX 8021B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/19/2013	ND	2.38	119	2.00	0.589	
Toluene*	<0.050	0.050	02/19/2013	ND	2.33	117	2.00	0.465	
Ethylbenzene*	<0.050	0.050	02/19/2013	ND	2.27	113	2.00	0.379	
Total Xylenes*	<0.150	0.150	02/19/2013	ND	6.91	115	6.00	0.715	
Total BTEX	<0.300	0.300	02/19/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	110 %	% 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	12000	16.0	02/18/2013	ND	448	112	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	02/19/2013	ND	208	104	200	3.34	
DRO >C10-C28	<10.0	10.0	02/19/2013	ND	207	104	200	15.6	
Surrogate: 1-Chlorooctane	67.4	% 65.2-14	0		`		- 4		
	07.7	02.21.	-						

Sample ID: BH - 1 4' (H300412-03)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5120	16.0	02/18/2013	ND	448	112	400	0.00	

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*=Accredited Analyte

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TALON LPE
DAVID ADKINS
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received:

02/13/2013

Sampling Date:

02/13/2013

Reported:

02/19/2013

Sampling Type:

Soil

Project Name:

LOGAN 2 STATE NO. 2

Sampling Condition:

Cool & Intact

Project Number:

701307.045.01

Sample Received By:

Jodi Henson

Project Location:

SEC. 2 - T18S - R27E

Sample ID: BH - 1 6' (H300412-04)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5360	16.0	02/18/2013	ND	448	112	400	0.00	
Sample ID: BH - 1 8' (H3	300412-05)								1
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	02/18/2013	ND	448	112	400	0.00	
Sample ID: BH - 1 10' (H	300412-06)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: DW			<u> </u>		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	02/18/2013	ND	448	112	400	0.00	

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TALON LPE DAVID ADKINS 408 W. TEXAS AVE. ARTESIA NM, 88210

Fax To:

(575) 745-8905

Received:

02/13/2013

Sampling Date:

02/13/2013

Reported:

02/19/2013

Sampling Type:

Soil

Project Name:

LOGAN 2 STATE NO. 2

Sampling Condition:

Cool & Intact

Project Number:

701307.045.01

Sample Received By:

Jodi Henson

Project Location:

SEC. 2 - T18S - R27E

Sample ID: BH - 2 0' (H300412-07)

BTEX 8021B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/19/2013	ND	2.38	119	2.00	0.589	
Toluene*	<0.050	0.050	02/19/2013	ND	2.33	117	2.00	0.465	
Ethylbenzene*	<0.050	0.050	02/19/2013	ND	2.27	113	2.00	0.379	
Total Xylenes*	<0.150	0.150	02/19/2013	ND	6.91	115	6.00	0.715	
Total BTEX	<0.300	0.300	02/19/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIE	109 %	6 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6000	16.0	02/18/2013	ND	448	112	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	02/19/2013	ND	208	104	200	3.34	
DRO >C10-C28	<10.0	10.0	02/19/2013	ND	207	104	200	15.6	
Surrogate: 1-Chlorooctane	75.7	% 65.2-14	0						_
Surrogate: 1-Chlorooctadecane	95.2	% 63.6-15	4						

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TALON LPE
DAVID ADKINS
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received:

02/13/2013

Sampling Date:

02/13/2013

Reported:

02/19/2013

Sampling Type:

Soil

Project Name:

LOGAN 2 STATE NO. 2

Sampling Condition:

Cool & Intact

Project Number:

701307.045.01

Sample Received By:

Jodi Henson

Project Location:

SEC. 2 - T18S - R27E

Sample ID: BH - 2 2' (H300412-08)

BTEX 8021B	mg/	'kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/19/2013	ND	2.38	119	2.00	0.589	
Toluene*	<0.050	0.050	02/19/2013	ND	2.33	117	2.00	0.465	
Ethylbenzene*	<0.050	0.050	02/19/2013	ND	2.27	113	2.00	0.379	
Total Xylenes*	<0.150	0.150	02/19/2013	ND	6.91	115	6.00	0.715	
Total BTEX	<0.300	0.300	02/19/2013	ND				•	
Surrogate: 4-Bromofluorobenzene (PIL	109 5	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2000	16.0	02/18/2013	ND	448	112	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	02/19/2013	ND	208	104	200	3.34	
DRO >C10-C28	56.2	10.0	02/19/2013	ND	207	104	200	15.6	
Surrogate: 1-Chlorooctane	68.3	% 65.2-14	10						
Surrogate: I-Chlorooctadecane	86.6	% 63.6-15	4						

Sample ID: BH - 2 4' (H300412-09)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	912	16.0	02/18/2013	ND	448	112	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

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TALON LPE DAVID ADKINS 408 W. TEXAS AVE. ARTESIA NM, 88210

Fax To:

(575) 745-8905

Received:

02/13/2013

Sampling Date:

02/13/2013

Reported:

02/19/2013

Sampling Type:

Soil

Project Name:

LOGAN 2 STATE NO. 2

Sampling Condition:

Cool & Intact

Project Number:

701307.045.01

Sample Received By:

Jodi Henson

Project Location:

SEC. 2 - T18S - R27E

Sample ID: BH - 2 6' (H300412-10)

Chloride, SM4500Cl-B

mg/kg

Analyzed By: DW

Analyte

Result

672

Reporting Limit Analyzed 02/18/2013 Method Blank ND

BS 448

112

% Recovery

True Value QC 400

RPD

Qualifier

Sample ID: BH - 2 8' (H300412-11)

Chloride, SM4500Cl-B

16.0

16.0

Analyzed By: DW

0.00

Analyte

mg/kg

Result

160

Reporting Limit Analyzed

Method Blank

% Recovery True Value QC

RPD

Qualifier

Chloride

Chloride

16.0 02/18/2013 ND

448

112

400

Sample ID: BH - 2 10' (H300412-12)

Chloride, SM4500Cl-B

mg/kg

Analyzed By: DW

Method Blank

ND

Result Reporting Limit Analyte Chloride 96.0

Analyzed 02/18/2013

448

BS

112

% Recovery

True Value QC 400

RPD 0.00

0.00

Qualifier

Cardinal Laboratories

*=Accredited Analyte

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. Keine



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 & Keine



Company Name: -TELOS/1PE

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ANALYSIS REQUEST

101 East Marla	nd, Hobbs	, NM	88240
(575) 393-2326	FAX (575	1 393.	2476

Project Manage	niko stobblefuld			P.O.	#:					- 1	1					1			
	408 West Trans As			Con	npany:	Talan/10E				}		į]		
City:	Mitogram State: pl./	Zip:	28210	Attn	: <u> </u>	·				1									
Phone #:	5)(·441·72[4 Fax#:			Add	ress:			1				}	.]		i				
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Sampler Name:	no stolldil			Fax					İ	- 1]		ا ا					- 1	
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	GROUNDWATER SOIL OIL SLUDGE	OTHER:	ACID/BASE: B	SAMPLING	TIME	8015M TPH	BOZIB BTEN	Tatal chlorides									
1	BH-1 0'	٦		7	/	-2/13/13:11:			$\overline{}$	$\overline{}$									
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PLEASE NOTE: Liability an	d Damages, Cardinal's liability and client's exclusive remedy for ig those for negligence and any other cause whitsoever shall be	ny dam a		t or tori,	shall be limited	to the amount paid by th	he client for	the											
service. In no event shall Ca	ig mask for regugence and any other bales whilespeas shall be indinal be liable for incidental or consequental damages, including to out of or related to the performance of services hereunder by t	g vethout li		loss of u	ise, or loss of pr	plits incurred by client	its subsidia	ries.	•										
Relinquished By M Qe Stally Relinquished By	Date 31	Rec	eived By:		100	Ph	one Result	sult: t:	□ Yes □ Yes		No No	Add'l F Add'l F	hone ax #:	#:					
	Time:	ָ יָש [ָ]																	
Delivered By: Sampler - UPS		! & \	Sample Condit Cool Intact Yes 1 Yes No N	1 :	CHEÇK (Init	ED BY:													

BILL TO



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

	(575) 393-2326 FAX (575) 393-247	6																				2-5	•
Company Name	man and the same a								BI	LLTO		3				ANA	LYSI	S RE	QUE	ST			
Project Manage							P.O). #:															
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City:	State:	Zip:					Attı	n:									•				1		
Phone #:	Fax #:						Add	dress	s:					1						1			
Project#: 70 (309.045.01 Project Owner	r: Lie	se f	Pock	Res.	17.C	City	/ :															
Project Name:	Logan 2 State No. 2					[Sta	te:		Zip:		l											
Project Location	n: 1						Pho	one #	# :			İ		İ			1			Ì			
Sampler Name:	ne recept	, ,					Fax					de es		1					ĺ	l			
Lab I.D. #300412	Sample I.D. BH-Z 8 BH-Z Io	(G)RAB OR (C)OMP.	#CONTAINERS	GROUNDWATER	NATRI	SLUDGE		ACID/BASE:			TIME	Total chtorides										-	
enalyses, All chains including service. In no event shall Craftillates or successors arising Relinquished By The Sulface Sulfa	Oliver Date:	deemed v without li cardinal, ro Rec	vaived imitation egardion	unless mon, busine ess of wheeld By:	ade in wi ss intem ether such	ting and ptions, to claim is	receiv sss of base	use, or dupon	ardinal loss of p any of th	within 30 days attentions incurred by the above stated re	er completion of the client, its subsidies	he applica aries, se. sult: t:	ible		No No		Phone Fax #:	#:					
Delivered By: Sampler - UPS	·	م منتا مسر		Coo	ple Co I ∕ Int Yes ☑ No ☐	act	- 1	С	HEC	SED BY:													



May 01, 2013

MIKE STUBBLEFIELD
TALON LPE
408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: LOGAN STATE NO. 2

Enclosed are the results of analyses for samples received by the laboratory on 04/24/13 13:10.

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 accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab accredited accredited accredited accredited accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab accredited

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.

Celeg & Keine

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



TALON LPE MIKE STUBBLEFIELD 408 W. TEXAS AVE. ARTESIA NM, 88210

Fax To:

(575) 745-8905

Received:

04/24/2013

Reported:

05/01/2013

Project Name:

LOGAN STATE NO. 2

Project Number:

701307.045.01

103 %

63.6-154

Project Location:

SEC. 2 - T18S - R31E

Sampling Date:

04/24/2013

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: S - 4 (H300968-01)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	04/26/2013	ND	432 .	108	400	3.77	
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	04/26/2013	ND	221	110	200	0.0421	
DRO >C10-C28	34.6	10.0	04/26/2013	ND	215	107	200	0.553	
Surrogate: 1-Chlorooctane	102	% 65.2-14	0					-1	

Sample ID: S - 5 (H300968-02)

Surrogate: 1-Chlorooctadecane

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP				_	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1260	16.0	04/26/2013	ND	432	108	400	3.77	
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	04/26/2013	ND	221	110	200	0.0421	
DRO >C10-C28	<10.0	10.0	04/26/2013	ND	215	107	200	0.553	
Surrogate: 1-Chlorooctane	111	% 65.2-14	0				- k		
Surrogate: 1-Chlorooctadecane	116	% 63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keine



TALON LPE MIKE STUBBLEFIELD 408 W. TEXAS AVE. ARTESIA NM, 88210 (575) 745-8905 Fax To:

Received:

04/24/2013

05/01/2013

Sampling Date:

04/24/2013

Reported:

Sampling Type:

Soil

Project Name:

LOGAN STATE NO. 2

Sampling Condition:

Cool & Intact

Project Number:

701307.045.01

Sample Received By:

Jodi Henson

Project Location:

SEC. 2 - T18S - R31E

Sample ID: S - 6 (H300968-03)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	04/26/2013	ND	432	108	400	3.77	
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	04/26/2013	ND	221	110	200	0.0421	
DRO >C10-C28	<10.0	10.0	04/26/2013	ND	215	107	200	0.553	

Surrogate: 1-Chlorooctane

97.3 %

65.2-140

Surrogate: 1-Chlorooctadecane

88.4 %

63.6-154

Sample ID: S - 7 (H300968-04)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BŞ	% Recovery	True Value QC	RPD	Qualifier
Chloride	672	16.0	05/01/2013	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	04/26/2013	ND	221	110	200	0.0421	
DRO >C10-C28	<10.0	10.0	04/26/2013	ND	215	107	200	0.553	
Surrogate: 1-Chlorooctane	112	% 65.2-14	0						1
Surrogate: 1-Chlorooctadecane	116	% 63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

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 & Keine



TALON LPE MIKE STUBBLEFIELD 408 W. TEXAS AVE. ARTESIA NM, 88210

Fax To:

(575) 745-8905

Received: Reported: 04/24/2013

05/01/2013

LOGAN STATE NO. 2

Project Number: Project Location:

Project Name:

701307.045.01 SEC. 2 - T18S - R31E Sampling Date:

04/24/2013

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: S - 8 (H300968-05)

Chloride, SM4500CI-B	mg/	mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5240	16.0	05/01/2013	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	04/26/2013	ND	221	110	200	0.0421	
DRO >C10-C28	<10.0	10.0	04/26/2013	ND	215	107	200	0.553	
Surrogate: 1-Chlorooctane	112 %	65.2-14	10						
Surrogate: 1-Chlorooctadecane	114 9	% 63.6-15	4						

Sample ID: S - 9 (H300968-06)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	05/01/2013	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	04/26/2013	ND	171	85.5	200	11.1	
DRO >C10-C28	56.6	10.0	04/26/2013	ND	164	82.0	200	13.4	
Surrogate: 1-Chlorooctane	102	% 65.2-14	10		·····				
Surrogate: 1-Chlorooctadecane	114	% 63.6-15	4						

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Celey D. Keine



TALON LPE
MIKE STUBBLEFIELD
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received:

04/24/2013

Reported:

05/01/2013

Project Name: Project Number: LOGAN STATE NO. 2 701307.045.01

Project Location:

SEC. 2 - T18S - R31E

Sampling Date:

04/24/2013

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: S - 10 (H300968-07)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	05/01/2013	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	04/26/2013	ND	171	85.5	200	11.1	
DRO >C10-C28	<10.0	10.0	04/26/2013	ND	164	82.0	200	13.4	
Surrogate: 1-Chlorooctane	104	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	115	% 63.6-15	4						,

Sample ID: S - 11 (H300968-08)

Chloride, SM4500Cl-B	mg/kg		Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	05/01/2013	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	04/27/2013	ND	171	85.5	200	11.1	
DRO >C10-C28	13.8	10.0	04/27/2013	ND	164	82.0	200	13.4	
Surrogate: 1-Chlorooctane	95.9	% 65.2-14	0				·= · · · ·		
Surrogate: 1-Chlorooctadecane	109	% 63.6-15	4						

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Celey D. Keine



TALON LPE MIKE STUBBLEFIELD 408 W. TEXAS AVE. ARTESIA NM, 88210 (575) 745-8905 Fax To:

Received: Reported: 04/24/2013

05/01/2013

Project Name: Project Number: LOGAN STATE NO. 2 701307.045.01

Project Location:

SEC. 2 - T18S - R31E

Sampling Date:

04/24/2013 Soil

Sampling Type: Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: S - 12 BACKGROUND (H300968-09)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: DW					
. Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/01/2013	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	04/27/2013	ND	171	85.5	200	11.1	
DRO >C10-C28	<10.0	10.0	04/27/2013	ND	164	82.0	200	13.4	
Surrogate: 1-Chlorooctane	97.5	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	107	% 63.6-15	4						

Cardinal Laboratories *=Accredited Analyte

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Celeg & Keene



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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name	TELES/LPE					BI	LTO	a, ^{ra} a-a, _{ba} a.	}			ANA	LYSIS	RE	QUES	ST			
Project Manage	" mile stable fil	Ĺ	_	·	P.O														
B	408 West Trans				Cor	mpany:	abon/si	25											
City:	Mitogram	State: ノノア Zip	: @	8210	Attı		·				-							1	
Phone #:	575-441-7214	Fax #:			Add	dress:			1	ı				ł			1	- 1	!
	307,045.61		m c	Rock Res. ILC	City	<u>/:</u>					ľ			İ]		
Project Name:	Logan Z STate No	2			Sta	te:	Zip:				ł			İ					
Project Locatio	n: rec. 2-T185-RZ	o E			Pho	one #:			1								1		į
Sampler Name:	mæ stældeld				Fax	c#:			1	İ	- 1						l	ļ	
FOR LAB USE ONLY				MATRIX		PRESERV.	SAMPLI	NG	H P	BTE,	5						ŀ	1	
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Lab I.D.	Sample I.[TAI	NDV EWA	α.	3ASE COOI			15 U	8	(5)							ļ	
H3CKY12		G)RAB	# CONTAINERS	GROUNDWATER WASTEWATER SOIL OIL SOIL SOIL SOIL	OTHER	ACID/BASE: ICE / COOI. OTHER:	DATE	TIME	80	8021 B	12,00								
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PLEASE NOTE: Liability a	nd Damages. Gardinal's liability and client				t or test	, shall be limited	o the amount pai	U 2Z A o by the client fo	r the				<u> </u>		L	<u> </u>			L
service. In no event shall C	ing those for negligence and any other can cardinal be liable for incidental or consequ	ental damages, including withou	at limita	ation, business interruptions,	icss of	use, or loss of pr	ofits incurred by t	lient, its subsidia	aries.	e									
Relinquished B	y:			pless of whether such claim ved By: 1	is base	d upon any of the	chove stated re	Phone Re	sult:	□ Yes	i □ No	Add'l	Phone	#:					
	5.100	Date 13/13 Re	#	Ali Ali	id	DOM		Fax Resu		□ Yes	_ □ No	Add'l	Fax #:	· · ·			- -		
M Re St. Of Relinquished B	lebel	Finde	1		J/ 1/		`												
Kennquisneu b	y. <i>i</i>	, 0	:661	ved By:															
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1	: (Circle One)		وفير	Sample Condit	ion	CHECK (Init	ED BY: als)												
Sampler - UPS	- Bus - Other:	,	الرسنة	Cool Intact	s	W	M												

1.2



TALON LPE MIKE STUBBLEFIELD 408 W. TEXAS AVE. ARTESIA NM, 88210

Fax To:

(575) 745-8905

Received: Reported: 04/24/2013

05/01/2013

LOGAN STATE NO. 2

Project Name: Project Number: Project Location:

701307.045.01 SEC. 2 - T18S - R31E Sampling Date:

04/24/2013

Sampling Type:

Soil Cool & Intact

Sampling Condition: Sample Received By:

Jodi Henson

Sample ID: S - 4 (H300968-01)

Chloride, SM4500CI-B	mg.	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	04/26/2013	ND	432	108	400	3.77	
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	04/26/2013	ND	221	110	200	0.0421	
DRO >C10-C28	34.6	10.0	04/26/2013	ND	215	107	200	0.553	
Surrogate: 1-Chlorooctane	102	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	103	% 63.6-15	4						•

Sample ID: S - 5 (H300968-02)

Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1260	16.0	04/26/2013	ND	432	108	400	3.77	
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	04/26/2013	ND	221	110	200	0.0421	
DRO >C10-C28	<10.0	10.0	04/26/2013	ND	215	107	200	0.553	
Surrogate: 1-Chlorooctane	111 9	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	116	% 63.6-15	4						

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TALON LPE
MIKE STUBBLEFIELD
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received:

04/24/2013

Sampling Date:

04/24/2013

Reported:

05/01/2013

Sampling Type:

Soil

Project Name:

LOGAN STATE NO. 2

Sampling Condition:

Cool & Intact

Project Number:

701307.045.01

88.4 %

63.6-154

Sample Received By:

Jodi Henson

Project Location:

SEC. 2 - T18S - R31E

Sample ID: S - 6 (H300968-03)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	04/26/2013	ND	432	108	400	3.77	
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	04/26/2013	ND	221	110	200	0.0421	
DRO >C10-C28	<10.0	10.0	04/26/2013	ND	215	107	200	0.553	
Surrogate: 1-Chlorooctane	97.3	% 65.2-14	0						

Sample ID: S - 7 (H300968-04)

Surrogate: 1-Chlorooctadecane

Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: DW	·				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	672	16.0	05/01/2013	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	04/26/2013	ND	221	110	200	0.0421	
DRO >C10-C28	<10.0	10.0	04/26/2013	ND	215	107	200	0.553	
Surrogate: 1-Chlorooctane	112 5	% 65.2-14	10	· · · · · · · · · · · · · · · · · · ·					
Surrogate: 1-Chlorooctadecane	116	% 63.6-15	4						

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*=Accredited Analyte

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Celeg D. Keine



TALON LPE
MIKE STUBBLEFIELD
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received:

04/24/2013

Reported:

05/01/2013

Project Name:

LOGAN STATE NO. 2

Project Number:

701307.045.01

Project Location:

SEC. 2 - T18S - R31E

Sampling Date:

04/24/2013

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: S - 8 (H300968-05)

Chloride, SM4500CI-B	mg.	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5240	16.0	05/01/2013	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	04/26/2013	ND	221	110	200	0.0421	
DRO >C10-C28	<10.0	10.0	04/26/2013	ND	215	107	200	0.553	
Surrogate: 1-Chlorooctane	112	% 65.2-14	0 .						
Surrogate: 1-Chlorooctadecane	114	% 63.6-15	4						

Sample ID: S - 9 (H300968-06)

Chloride, SM4500Cl-B	mg/kg		Analyzed By: DW					-	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	05/01/2013	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	04/26/2013	ND	171	85.5	200	11.1	
DRO >C10-C28	56.6	10.0	04/26/2013	ND	164	82.0	200	13.4	
Surrogate: 1-Chlorooctane	102	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	114	% 63.6-15	4						

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Celeg & Keine



TALON LPE
MIKE STUBBLEFIELD
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received:

04/24/2013

Reported:

05/01/2013

Project Name:

LOGAN STATE NO. 2

Project Number:

701307.045.01

Project Location:

SEC. 2 - T18S - R31E

Sampling Date:

04/24/2013

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: S - 10 (H300968-07)

Chloride, SM4500CI-B	500CI-B mg/kg			d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	05/01/2013	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	04/26/2013	ND	171	85.5	200	11.1	
DRO >C10-C28	<10.0	10.0	04/26/2013	ND	164	82.0	200	13.4	
Surrogate: 1-Chlorooctane	104	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	115	% 63.6-15	4						

Sample ID: S - 11 (H300968-08)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD .	Qualifier
Chloride	256	16.0	05/01/2013	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	04/27/2013	ND	171	85.5	200	11.1	
DRO >C10-C28	13.8	10.0	04/27/2013	ND	164	82.0	200	13.4	
Surrogate: 1-Chlorooctane	95.9	% 65.2-14	0	,					
Surrogate: 1-Chlorooctadecane 109 % 63.6		% 63.6-15	4						

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Celeg D. Keene



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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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name	Talon / LPF				BILL TO					Δ	NAL	YSIS	RE	QUE	ST			
Project Manage	r: mike (Stubblefield			P.O. #:														
	B HET TEXES AUE.			Company				ļ										
City: Adesia State: NM Zip: 38210				Attn:						j]	
Phone #: 515.441-7254 Fax #:				Address:]]						j	1	
Project #: 201309.045.01 Project Owner: Line Rock Res. MC				City:		-]							l]
Project Name: Logon: Shale: No. Z				State:	Zip:	-,				1							ļ	
Project Location	n: sec. Z - T185 - R31E			Phone #:						Ì						-		
Sampler Name:	n'es catelliel		-	Fax #:						l							·	
FOR LAB USE ONLY			MATRIX	PRESE	RV. SAMPL	ING	- 1	1. Act		1							- [- 1
Lab I.D. <u>H300968</u>	Sample I.D.	(G)RAB OR (C)OMP	GROUNDWATER WASTEWATER SOIL	OTHER: ACID/BASE: ICE / COOL	OTHER:	TIME	8015m	Total chlor.										
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service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries,

Relinquished By:	Date: /	Redeived By:		Phone Result:	☐ Yes	□ No	Add'l Phone #:
	4/24/2013	In a Ma	. 3 - 6	Fax Result:	☐ Yes	□ No	Add'I Fax #:
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[†] Cardinal cannot accept verbal changes. Please fax written changes to (575),393-2326



May 06, 2013

MIKE STUBBLEFIELD

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: LOGAN STATE NO. 2

Enclosed are the results of analyses for samples received by the laboratory on 05/03/13 11:20.

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.

Celey D. Keene

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



TALON LPE MIKE STUBBLEFIELD 408 W. TEXAS AVE. ARTESIA NM, 88210

Fax To:

(575) 745-8905

Received:

05/03/2013

Sampling Date:

05/02/2013

Reported:

05/06/2013

Sampling Type:

Soil

Project Name:

LOGAN STATE NO. 2

Sampling Condition:

Cool & Intact

Project Number:

701307.045.01

Sample Received By:

Jodi Henson

Project Location:

SEC. 2 - T18S - R27E

Sample ID: S-12 (H301056-01)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	05/06/2013	ND	432	108	400	0.00	

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Notes and Definitions

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RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keena



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name	Talon / LPE										B	ILL 1	O						ANA	LYSIS	S RE	QUE	ST			
	"mike Stubblefield	•						7	P.C). #:						,						T T	T			
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City:	Artesia S	State: N m	Zip:	88	3210) ·			Attn:							1	1	l	l	1		l ·				
Phone #:	535.441.7254 Fa	ax #:							Address:						٠.		i							ľ		
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Sampler - UPS	- Bus - Other:) (_ F	ooi Ye N		Yes			6	M														

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

FINAL C-141

RECEIVED

JUL 16 2013

State of New Mexico Energy Minerals and Natural RESOURCED ARTESIA

Form C-141 Revised October 10, 2003

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

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

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

Release	Notification	and	Corrective Action	

		OPERA'	TOR	1	☐ Initi	al Report_	\boxtimes	Final Repor		
Name of Company: LRE Operating, LLC		Contact: N								
Address: 1111 Bagby Street Suite 4600, Houston, TX 7700		Telephone No.: 575-623-8424								
Facility Name: Logan 2 State No.2		Facility Typ	e: tank battery							
Surface Owner : Bogle Mine	eral Owner:	State			Lease 1 2RP-15	No. : API #3 514	0-015	-30406		
LO		N OF RE	LEASE							
Unit Letter Section Township Range Feet from C 18S 27E 990'	the North	South Line	Feet from the 1750'	East/W FWL	est Line	County Eddy	ldy			
Latitude_ <u>32.78</u>	018 N	_ Longitud	le104.25143	w						
	NATURE	OF REL								
Type of Release: Produced Water			Release: 102 bb			Recovered: 2				
Source of Release: Tank over flow		Date and H 01/09/13 a	lour of Occurrence um		Date and 01/09/13	Hour of Disc 8:00 am	overy:			
Was Immediate Notice Given? ☑ Yes ☐ No ☐ N	ot Required	If YES, To Mike Brate								
By Whom? Mike Stubblefield with Talon/LPE		Date and H	lour : 01/09/13 @	9:30 am	· · · · · · · · · · · · · · · · · · ·					
Was a Watercourse Reached? ☐ Yes ☑ No			lume Impacting t							
Describe Cause of Problem and Remedial Action Taken.* Transfer pump failed causing the water tank to overflow. A immediately recovered by vacuum truck. Describe Area Affected and Cleanup Action Taken.* Talon/LPE was contacted for the correction of the release. The correction of the release.										
located behind tank battery. Analytical testing was completed disposal facility. Following approval from the NMOCD, the e	d and the imp	pacted soil w	as transported to	Lea Land	d, LLC a	NMOCD ap	proved	solid waste		
I hereby certify that the information given above is true and or regulations all operators are required to report and/or file certa public health or the environment. The acceptance of a C-141 should their operations have failed to adequately investigate at or the environment. In addition, NMOCD acceptance of a C-1 federal, state, or local laws and/or regulations.	ain release no report by the nd remediate	tifications an NMOCD ma contaminatio	d perform correct rked as "Final Re on that pose a thre	ive action port" doe at to grou	ns for rele s not relic and water,	ases which neve the opera	nay end tor of li er, hum	langer liability an health		
Signature: Mall			OIL CONS	ERVA	TION	DIVISION	<u>1</u>			
Printed Name: Michael Barrett	A	Approved by District Supervisor:								
Title: Production Supervisor	A	pproval Date	: 4/27/6	piration D	Date:					
E-mail Address: mbarrett@limerockresources.com	c	Conditions of Approval:								
Date: 5/22/2013 Phone: 575-623-8424										

* Attach Additional Sheets If Necessary

219 1514 Fral