District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Sonta Fe, NM 87505

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 State of New Mexico Energy Minerals and Natural Resources

NMLB1415447019 Form C-141 Revised October 10, 2003

2RP-2323

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action

						OPERA'	гор	CLIGA		al Dt	N7	E' ID
Name of Co	ompany : L	IME ROCK I	RESOURO	CES II-A. LP		Contact : M			min	al Report	M	Final Report
Address: 1	III Bagby	Street Suite 46	600, Houst	on ,TX 77002			No.: 575-623-84	24				
Facility Nar						Facility Typ					***********	
Surface Ow	ner · BLM			Mineral C	Junar	DIM		***************************************	7	T 477 110	0.015	00000
Darrage on	HOI . DEM									No.: API #3		
77 1.7						N OF RE	LEASE		Z	RP-	236	-5
Unit Letter G	Section 8	Township 18S	Range 27E	Feet from the 1650'	North FNL	/South Line	Feet from the 1650'	East/V FEL	West Line	County E	ddy	
			Latitud	e_32.764967	<u>N</u>	Longitud	e104.297305	<u>w</u>				
[NAT	URE	OF REL						
Type of Rele						Volume of & 5 bbls O	Release: 25 bbls il	PW	Volume F	Recovered: 1	3 bbls	PW & 2 bbls
Source of Re						Date and H 5/29/14 11	our of Occurrence	e:	Date and @11:30 a	Hour of Disc	covery:	5/29/14
Was Immedia	ite Notice G		Yes 🗌	No 🗌 Not Re	quired	If YES, To BLM/Jim	Whom? Amos-voicemail &	OCD			***************************************	
By Whom? I	Cimberly M	. Wilson with	Talon/LP	E			our: 5/29/14 @ 3					
Was a Watero	ourse Reac		•• 53			If YES, Vo	lume Impacting th	ne Wate	ercourse.		-	
		Ц	Yes 🛚	No								
If a Watercou	rse was Imp	acted, Descri	be Fully.*	NA			AND THE PERSON OF THE PERSON O					
produced water path to prevent Describe Area	All wells ver and 2 bar and further min Affected a	vere shut in ar rels of oil. Ta gration. nd Cleanup A	id the flow ilon/LPE v ction Take	viline was repaired vas contacted for en.* The release	d. A va	ac truck was ir site assessmen	ne leak caused a re nmediately called t and to generate a west corner of loca excavated 0.5' dee	to the	plan. A bac	khoe was us	13 barro	els of erm the flow
#3 & 4 seed n	nix per appr	oved work pla	an. Due to	the steep ravine,	the dra	w could not b	e excavated. A lin poling area at end	ed cato	ch basin was	s installed at	the bot	tom of the
I hereby certif regulations all public health of should their of	y that the in operators a perations a perations had ment. In additional contents are not the	aformation gives required to comment. The same failed to addition, NMO dition, NMO distribution, NMO d	en above report and acceptance dequately CD accept	is true and compl d/or file certain re c of a C-141 repoi investigate and re	ete to the clease not by the emediat	he best of my otifications and NMOCD made contamination	knowledge and un d perform correct irked as "Final Re on that pose a three the operator of re	derstar ive acti port" d at to gr	nd that purs ions for rele loes not reli- round water	uant to NMC cases which in eve the opera- surface wat	OCD ru may en ator of ter, hun	les and danger liability
	1.1	11					OIL CONS	ERV	ATION	DIVISIO	N	
Signature:	hh	bu	5						E.Spec.	A.		
Printed Name:	Michael E	Sarrett		***************************************		Approved by	District Supervisor	r:	Brad	ford i	Bill	lings
Title: Produc	tion Superv	isor				Approval Date	: 05/26/202	0 1	Expiration I	Date:		
E-mail Addres	ss: mbarrett	@limerockre	sources.co	m		Conditions of	Approval:			Attached		
Date: 6/29/2 Attach Additi			e: 575-623	3-8424								
Attach Additi	Oliai Dileei	2 11 14GCG229	тŅ									

David Adkins

From:

David Adkins

Sent:

Tuesday, June 17, 2014 12:46 PM

To:

'Amos, James'; 'Bratcher, Mike, EMNRD'

Cc: Subject: 'Michael Barrett'; Jerry Smith RE: work plan. Lime Rock WRL 23

Attachments:

H401733 TALON.PDF; 20140617124407193.pdf

Gentlemen,

Attached please find our recent lab results and a site plan for your convenience. The chloride results in the draw (S-8) were 1560 mg/kg after flushing three truckloads of water. Originally, the results at S-8 were 14,600 mg/kg total chlorides following the release. Another sample was collected at the bottom of the draw per BLM direction. Sample location S-11 results indicated 128 mg/kg total chlorides.

Therefore, on behalf of Lime Rock Resources, we respectfully request permission to remove the drainage catch basin, back fill and seed the seed the work area. Thank you.

Respectfully,

David J. Adkins

District Manager Talon/LPE 408 West Texas Avenue Artesia, New Mexico 88210 (575) 746.8768 phone (575) 746.8905 fax (575) 441.4835 cell

Email: dadkins@talonlpe.com Web: www.talonlpe.com



This email and any files transmitted with it are confidential and intended solely for the use of the individual or entity to whom they are addressed. If you have received this email in error please notify the system manager. This message contains confidential information and is intended only for the individual named. If you are not the named addressee you should not disseminate, distribute or copy this e-mail. Please notify the sender immediately by e-mail if you have received this e-mail by mistake and delete this e-mail from your system. If you are not the intended recipient you are notified that disclosing, copying, distributing or taking any action in reliance on the contents of this information is strictly prohibited.

From: Amos, James [mailto:jamos@blm.gov]
Sent: Tuesday, June 03, 2014 5:24 AM

To: David Adkins

Cc: Michael Barrett; jsmith@limerockresources.com

Subject: Re: work plan, Lime Rock WRL 23

David,

I'm okay with your work plan. I would like to see samples post flush of the lower portion upon completion. Seed mix of 3 & 4 should be used on the areas where the surface material will be removed and clean material brought in. I suggest a berm be constructed just above the excavation area to divert water away from the area. It doesn't need to be much of one, just stable. If any questions please get back to me. Closure will be dependent on the samples from the lower reaches. thanks

On Mon, Jun 2, 2014 at 4:24 PM, David Adkins < dadkins@talonlpe.com > wrote:

Gentlemen,

Attached please find the proposed work plan for the above referenced incident. OCD has given verbal approval. Tomorrow midmorning we will begin installation of the catch basin and Wednesday we will begin flushing the draw. Please let us know if you have any questions. Thank you.

Respectfully submitted,

David J. Adkins
District Manager
Talon/LPE
408 West Texas Avenue

Artesia, New Mexico 88210 (575) 746.8768 phone (575) 746.8905 fax

(575) 441.4835 cell

Email: dadkins@talonlpe.com

Web: www.talonlpe.com



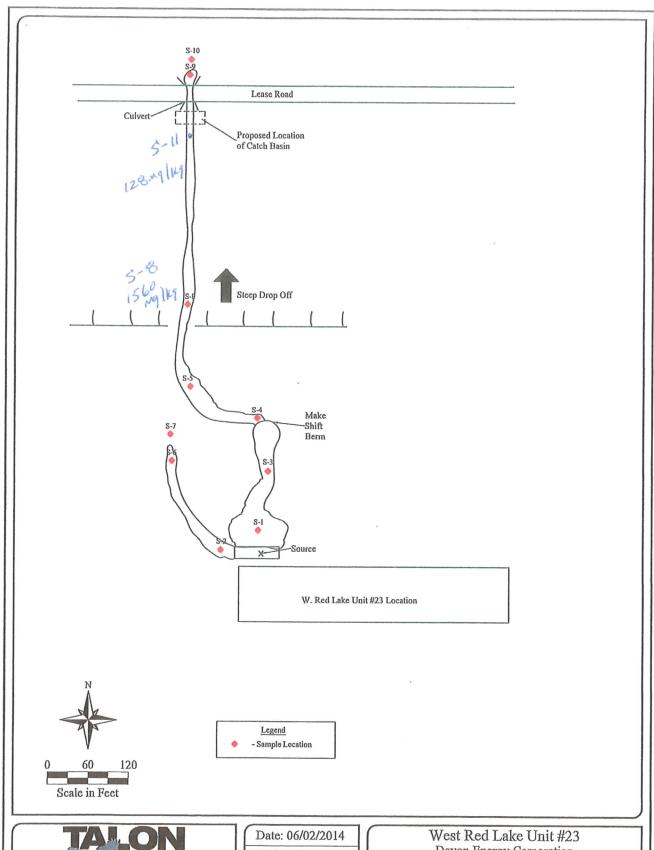
This email and any files transmitted with it are confidential and intended solely for the use of the individual or entity to whom they are addressed. If you have received this email in error please notify the system manager. This message contains confidential information and is intended only for the individual named. If you are not the named addressee you should not disseminate, distribute or copy this e-mail. Please notify the sender immediately by e-mail if you have

received this e-mail by mistake and delete this e-mail from your system. If you are not the intended recipient you are notified that disclosing, copying, distributing or taking any action in reliance on the contents of this information is strictly prohibited.

Confidentiality Warning: This message along with any attachments are intended only for use of the individual or entity to which it is addressed and may contain information that is privileged or confidential and exempt from disclosure under applicable law. If the reader of this message is not the intended recipient or the employee or agent responsible for delivering this message to the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this communication is strictly prohibited. If you have received this communication in error, please notify the sender immediately.

James A. Amos
Bureau of Land Management
Carlsbad Field Office
Supervisory Environmental Protection Specialist
620 East Greene Street
Carlsbad, NM. 88220
Office: (575) 234-5909

Fax: (575) 234-5927 Cell: (575) 361-2648 E-mail: jamos@blm.gov



TALON

Scale: 1" = 120'

Drawn By: TJS

West Red Lake Unit #23
Devon Energy Corporation
Lea County, New Mexico
Figure 1 - Site Plan



June 16, 2014

DAVID ADKINS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: WEST RED LAKE #23

Enclosed are the results of analyses for samples received by the laboratory on 06/06/14 14:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. 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.

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



Analytical Results For:

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

Received:

06/06/2014

Reported:

06/16/2014

Project Name:

WEST RED LAKE #23

Project Number:

701307.062.01

mg/kg

NOT GIVEN

Sampling Date:

Sampling Type:

Sampling Condition:

Sample Received By:

06/05/2014

Soil Cool & Intact

Kathy Perez

Project Location:

BTEX 8260B

Sample ID: S-8 0' (H401733-01)

	and the same of th								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2014	ND	2.31	115	2.00	1.63	
Toluene*	<0.050	0.050	06/10/2014	ND	1.86	93.1	2,00	14.0	
Ethylbenzene*	<0.050	0.050	06/10/2014	ND	2.10	105	2.00	0.396	
Total Xylenes*	<0.150	0.150	06/10/2014	ND	6.37	106	6.00	0.661	
Total BTEX	<0.300	0.300	06/10/2014	ND					
Surrogate: Dibromofluoromethane	98.3	% 61.3-14	2						
Surrogate: Toluene-d8	108	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	122 5	% 65.7-14	1						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1560	16.0	06/12/2014	ND	400	100	400	3.92	
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	32.7	10.0	06/12/2014	ND	180	89.8	200	0.936	
DRO >C10-C28	382	10.0	06/12/2014	ND	175	87.5	200	3,58	
Surrogate: 1-Chlorooctane	70.2	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	82.4	% 63.6-15	4						

Analyzed By: ms

Cardinal Laboratories

*=Accredited Analyte

PEASE 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 analysies. All claims, including those for negligence and any other cause whatsoever shall be deemed walved unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business leterruptions, loss of use, or loss of profits incurred by Cleint, 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 reports hall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Analytical Results For:

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

Received:

BTEX 8260B

06/06/2014

Reported:

06/16/2014

Project Name:

WEST RED LAKE #23

Project Number: Project Location: 701307.062.01

mg/kg

NOT GIVEN

Sampling Date:

06/05/2014

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

Kathy Perez

Sample ID: S-11 0' (H401733-02)

		5							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2014	ND	2.31	115	2.00	1.63	
Toluene*	<0.050	0.050	06/10/2014	ND	1.86	93.1	2.00	14.0	
Ethylbenzene*	<0.050	0.050	06/10/2014	ND	2.10	105	2.00	0.396	
Total Xylenes*	<0.150	0.150	06/10/2014	ND	6.37	106	6.00	0.661	
Total BTEX	<0.300	0.300	06/10/2014	ND					
Surrogate: Dibromofluoromethane	107 9	% 61.3-14	2						
Surrogate: Toluene-d8	107 5	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	94.2	% 65.7-14	I						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	06/12/2014	ND	400	100	400	3.92	
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	<10.0	10.0	06/13/2014	ND	180	89.8	200	0.936	
DRO >C10-C28	<10.0	10.0	06/13/2014	ND	175	87.5	200	3.58	
Surrogate: 1-Chlorooctane	64.0	% 65.2-14	0			***************************************			
Surrogate: 1-Chlorooctadecane	77.3	% 63.6-15	4						

Analyzed By: ms

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any daim 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 waked 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

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

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 wahed 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 Cleint, 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 reports shall not be reproduced except in full with written approval of Cardinal Isolatoriories.

Celey D. Keine

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

□ No □ No

Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

		(010) 303-6360 FAA (010) 303-64/0	ľ																										
	Company Name:	Talon/LPE										7	10 to 11 (C)						AN	ANALYSIS		品	2	REQUEST					
	Project Manager:	D. Adkins							P.O. #:	*										-	-			-			_	لــ	
	Address: 408 W.	N. Texas Ave.							Cor	Company:	ny		Talon/LPE	m						-								and the last	
	city: Artesia	State: NM	zip: 88210	8	21	0			Attn:	2											-								
	Phone #: 575-746-8768	Fax #: 575-7	46-	89	9				Ado	Address:	69										-			-					
	Project #: 70	701307,062,01 Project Owner: Lime	-	35	1 1	ROCK	5		City:											-								-	
	Project Name: WRL	IRL FOR #23							State:	6.			Zip:					-						-					
	Project Location:								Phone #:	one	*								-						-				
	Sampler Name: 5	5. Hitch cock							Fax#:	*									-	-		-		-				-	
	FOR LAB USE ONLY	- 1		\dashv		N	MATRIX			PRESERV.	SEF	<	SAMPLING	Ĝ			ı		traineria e	-	-			-				-	
I	Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER WASTEWATER		OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME	TPH	BTEX	Chloride	0111191 111											
		5-80'	-	and the last	-	-	-		STATE OF THE PERSON		-	Market Street	6/5/14	50:1	1	V	V	7	7	1	-			+		_	-		
	2 5	5-110'	8	-	-									107							+			+			+		
																										10 100			
	PLEASE NOTE: Liability and analyses, All claims including in no event shall Care	PLEASE NOTE: Liability and Damages. Cardina's labelity and client's exclusive remarks for any claim artifury whether based in contract or lord, shall be limited to the amount paid by the client for the nanipses. All clients including those for replication and any other cause whatevower shall be desired where unless made in writing and received by Cardinal within 30 days after completion of the applicable starter. In no senet shall carried the label of invitational or comments of the applicable starter.	omed w	Day of	wheth	made	d in co	offred Or	or ton,	shall ed by	Cardi	Mad to	the amount paid thin 30 days after	by the client for s completion of the	applicat	8			ı	ŀ	-			-			-	L	
	Relinguished By:		Rent R	al Vio	5 III	of whether such claim	Such .	1	is based upon at	upor	-	dhe	of the above stated rear	ons or otherwise	7	☐ <	1		Add	Dha	4							1	
	Relinquished By:	Timms: 50	Received By:	a ve	By E By		5 1	Er 1	A B	-1 3	0	7 / 8	3	Phone Result: Fax Result: REMARKS:	#	☐ Yes	00	N N	Add'l Phone #: Add'l Fax #:	Phor	77 18								
	Delivered By: (Circle One) Sampler - UPS - Bus - Other:		4		LUS B	Bample Condition Cool Intact Yes Yes	OF S	文化草	3		~ 当	(Initials)	CHECKED BY: (Initials)	`															
				-	¥		Ï	-	_		5																		

Curtis & Curtis, Inc 4500 North Prince Clovis, NM 88130 Phone: (575) 762-4759

6/39/4

Talon / LPE, LTD

1 Acre BLM #3 & 4, Broadcast Rate

2 - 1/2 Acre Bags @ 24.39 Bulk Pounds Each
Job: Lime Rock - W. Red Lake #23
30-015-00822
701307.062.01

Lnt#	

<u>Item</u> Sideoats Grar Niner	na	Origin Texas	Purity 35.87%	<u>Germ</u> 48.00%	Dormant 32.00%	Germ & Dormant 80.00%	Test Date	Total PLS Pounds 14.00
Blue Grama Hachita		Texas	6.34%	97.00%	0.00%		2-1-	14.00
Alkali Sacator		37			0.0099	97.00%	12/13	3.00
VNS		New Mexico	4.46%	70.00%	22.00%	92.00%	11/13	***
Four Wing Sal	thush	New Mexico	22 222			-110,10	11/13	2.00
VNS		DOMESTIC WALL	37.27%	54.00%	1.00%	55.00%	03/14	10.00
Other Crop: Weed Seed: Inert Matter:		Zinis.	Bag Weigl	gs For This is 24.39 Bull or 1/2 Acres	Dannel	Total Bulk	Pounds:	49



NM OIL CONSERVATION

ARTESIA DISTRICT

JUN 0 2 2014

RECEIVED

AMARILLO 921 North Bivins Amarillo, Texas 79107 Phone 806.467.0607

Fax 806.467.0622 ARTESIA

408 West Texas Ave. Artesia, New Mexico 88210 Phone 575.746.8768 Fax 575.748.8905

HOBBS 318 East Taylor Street Hobbs, New Mexico 88241 Phone 505.393.4261 Fax 505.393.4658

MIDLAND 2901 State Highway 349 Midland, Texas 79706 Phone 432.522.2133 Fax 432.522.2180

OKLAHOMA CITY 7700 North Hudson Ave Suite 10 Oklahoma City, Oklahoma 73116 Phone 405.486.7030 Fax 806.467.0622

> SAN ANTONIO 13111 Lookout Way San Antonio, TX 78233 Phone 210.265.8025 Fax 210.568.2191

811 S. 1st Street Artesia, NM 88210

Mr. Mike Bratcher

NMOCD District 2

June 2, 2014

Subject: Soil Assessment and Remediation Work Plan

Lime Rock Resources
West Red Lake Unit #23
API #: 30-015-00822

ARP - 2323

Dear Mr. Bratcher:

Lime Rock Resources has contracted Talon/LPE (Talon) to perform soil assessment and remediation services at the above referenced location. The results of our soil assessment and proposed remediation activities consist of the following.

Incident Date

May 29, 2014

Background Information

The West Red Lake Unit #23 is located approximately sixteen (16) miles southeast of Artesia in Eddy County, New Mexico. The legal location for this site is Section 8, Township 18 South, and Range 27 East. More specifically the latitude and longitude for the release point are 32.764967 North and -104.29730 West. A site plan is presented in Appendix I.

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 weathered Gypsum. 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. According to the New Mexico State Engineer web site indicates the nearest ground water data to be in S8-T18S-R27E. The ground water in Section 8 is reported to be a depth of 140' below ground surface (bgs). See Appendix II for the referenced groundwater data.

The ranking for this site is 0 based on the following:

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

ENVIRONMENTAL CONSULTING
ENGINEERING
DRILLING
CONSTRUCTION
SPILL MANAGEMENT
GENERAL CONTRACTING

Toll Free: 866.742.0742 www.talonlpe.com

Incident Description

A high pressure injection line leak causing a release of 25 barrels of produced water and 5 barrels of oil. All wells were shut in and the flow line was repaired. A vac truck was immediately called to the location and recovered 13 barrels of produced water and 2 barrels of oil. The release flowed off the northwest corner of location and down the draw approximately 250 yards, pooling at the culvert under the lease road. A backhoe was used to berm the flow path to prevent further migration. On May 29, 2014 Talon mobilized personnel to the location for initial site assessment and soil sampling activities to generate a work plan. The results of these sampling activities are summarized in the table below.

Laboratory Results

See Appendix III for complete report of laboratory results.

June 2, 2014

Sample ID	Depth (feet)	BTEX (mg/kg)	Chlorides (mg/kg)	TPH (mg/kg) GRO	TPH (mg/kg)
					DRO
S-1	0'	1.32	26000	<10	497
	0.5'	< 0.300	80	<10	<10
S-2	0.5'	< 0.300	208	<10	<10
	1'	< 0.300	256	<10	<10
S-3	0,	56.2	22800	246	1170
	1'	< 0.300	208	<10	<10
S-4	0,	30.9	26000	175	2520
	0.5'	<1.20	144	<10	2450
S-5	0,	0.856	20000	<10	190
	0.5	< 0.300	256	<10	<10
S-6	0,	< 0.300	11800	<10	114
	0.5'	< 0.300	64	<10	<10
S-7	0'	< 0.300	<16	<10	<10
S-8	0'	4.85	14600	15.5	82
S-9	0'	< 0.300	1440	<10	<10
S-10	0'	< 0.300	192	<10	<10

Based upon the site ranking of 0, NMOCD Recommended Remedial Action Levels (RRAL's) are 50 mg/kg for BTEX, 10 mg for Benzene, and 5,000 mg/kg for TPH. The chloride remediation standard to be 1,000 mg/kg based upon a water table depth greater than 100-feet deep.

Proposed Remedial Actions

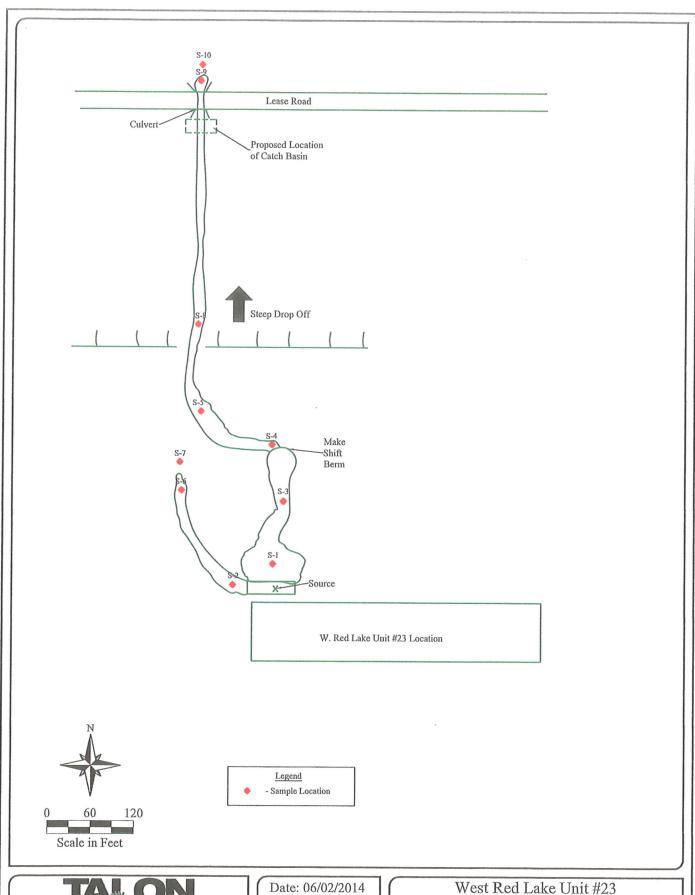
- The impacted areas in the vicinity of sample locations S-1, S-6 and S-3 thru S-5 will be excavated to a depth of 0.5-feet deep. All contaminated soil will be transported to an approved NMOCD disposal facility.
- The excavated areas will be backfilled with new topsoil, re-contoured and seeded using BLM recommended seed mix.
- A lined catch basin will be constructed at the bottom of the draw, prior to the culvert.
- The area from the flow path in the vicinity of S-8 will be flushed with clean water and a vac truck will be used to recover the water from the lined basin.
- A final report documenting all field activities and lab reports will be provided to the BLM Carlsbad Office and NMOCD District II Office.

Should you have any questions or if further information is required, please do not hesitate to contact our office at (575)-746-8768

Respectfully submitted,

Kimberly M. Wilson Project Manager David J. Adkins District Manager APPENDIX I

SITE MAP





Scale: 1" = 120'

Drawn By: TJS

West Red Lake Unit #23 Devon Energy Corporation Lea County, New Mexico Figure 1 - Site Plan

APPENDIX II GROUNDWATER DATA INITIAL C-141



New Mexico Office of the State Engineer Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.) (R=POD has been replaced, O=orphaned, C=the file is

closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

	POD														
	Sub-		Q	Q	Q								Depth	Depth	Water
POD Number	Code basin	County	64	16	4 5	Sec	Tws	Rng	X	Υ		Distance	Well	Water	Column
RA 03714	X.	CH	4	4	2	80	185	27E	566212	3625253*	9	447	381		
RA 03661		ED	3	2	3	32	17S	27E	565186	3628038*		2523	330	140	190
RA 03664		CH	3	2	3	32	178	27E	565186	3628038*		2523	400	100	300

Average Depth to Water: 120 feet

Minimum Depth: 100 feet

Maximum Depth: 140 feet

Record Count: 3

UTMNAD83 Radius Search (in meters):

Easting (X): 566011

Northing (Y): 3625653

Radius: 3000

^{*}UTM location was derived from PLSS - see Help

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

State of New Mexico Energy Minerals and Natural Resources

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

Form C-141 Revised October 10, 2003

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

Release Notificatio	n and Corrective Actio	n					
	OPERATOR	☑ Initial Report ☐ Final Report					
Name of Company: LIME ROCK RESOURCES II-A, LP	Contact: Mike Barrett						
Address: 1111 Bagby Street Suite 4600, Houston, TX 77002	Telephone No.: 575-623-8424						
Facility Name: West Red Lake #23	Facility Type: well						
Surface Owner : BLM Mineral Owner:	BLM	Lease No. : API #30-015-00822					
	N OF RELEASE						
Unit Letter Section Township Range Feet from the North G 8 18S 27E 1650' FNL		t/West Line County Eddy					
Latitude 32.764967 N	Longitude104.297305 W	,					
NATURE	E OF RELEASE						
Type of Release : Produced Fluids	Volume of Release: 25 bbls PW & 5 bbls Oil	Volume Recovered: 13 bbls PW & 2 bbls Oil					
Source of Release : Injection Line Leak	Date and Hour of Occurrence: 5/29/14 11:30 am	Date and Hour of Discovery: 5/29/14 @11:30 am					
Was Immediate Notice Given? ☐ Yes ☐ No ☐ Not Required	If YES, To Whom? BLM/Jim Amos-voicemail & OC	CD/Mike Bratcher					
By Whom? Kimberly M. Wilson with Talon/LPE	Date and Hour : 5/29/14 @ 3:45 p	om					
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the W	atercourse.					
If a Watercourse was Impacted, Paralle							
barrels of oil. All wells were shut in and the flow line was repaired. A	ac truck was immediately called to the	ne location and recovered 13 barrels of					
Describe Area Affected and Cleanup Action Taken.* The release flower yards, pooling at the culvert under the lease road. A backhoe was used to	ed off the northwest corner of location	and down the draw approximately 250					
I hereby certify that the information given above is true and complete to regulations all operators are required to report and/or file certain release public health or the environment. The acceptance of a C-141 report by t should their operations have failed to adequately investigate and remedia or the environment. In addition, NMOCD acceptance of a C-141 report federal, state, or local laws and/or regulations.	the best of my knowledge and unders notifications and perform corrective a he NMOCD marked as "Final Report ate contamination that pose a threat to does not relieve the operator of respo	stand that pursuant to NMOCD rules and actions for releases which may endanger "does not relieve the operator of liability of ground water, surface water, human health as ibility for compliance with any other					
Signature: MM B25	OIL CONSER	EVATION DIVISION					
Printed Name: Michael Barrett	Approved by District Supervisor:						
Title: Production Supervisor	Approval Date:	Expiration Date:					
E-mail Address: mbarrett@limerockresources.com Phone: 5/30/2013 Phone: 575-623-8424	Conditions of Approval:	Attached					
Date: 5/30/2013 Phone: 575-623-8424							

^{*} Attach Additional Sheets If Necessary

APPENDIX III LABORATORY RESULTS



June 02, 2014

DAVID ADKINS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE; WEST RED LAKE #23

Enclosed are the results of analyses for samples received by the laboratory on 05/30/14 10:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. 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.tceg.texas.gov/field/ga/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



Analytical Results For:

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

Received:

05/30/2014

Reported:

06/02/2014

Project Name:

WEST RED LAKE #23

Project Number:

NONE GIVEN

Project Location:

NOT GIVEN

Sampling Date:

05/29/2014

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By: J

Jodi Henson

Sample ID: S-1 0' (H401662-01)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.204	0.050	05/30/2014	ND	2.12	106	2.00	0.844	
Toluene*	0.506	0.050	05/30/2014	ND	2.11	106	2.00	1.26	
Ethylbenzene*	0.199	0.050	05/30/2014	ND	2.04	102	2.00	1.76	
Total Xylenes*	0.416	0.150	05/30/2014	ND	6.39	106	6.00	1.82	
Total BTEX	1.32	0.300	05/30/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	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	26000	16.0	06/02/2014	ND	416	104	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	05/30/2014	ND	160	79.8	200	7.66	
DRO >C10-C28	497	10.0	05/30/2014	ND	178	89.1	200	6.09	
Surrogate: 1-Chlorooctane	87.8 5	65.2-14	0						
Surrogate: 1-Chlorooctadecane	95.99	63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's flability 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 valved 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 subcidiaries, 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 rebate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager

Page 2 of 20



Analytical Results For:

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

Received:

05/30/2014

Reported:

06/02/2014

Project Name: Project Number: WEST RED LAKE #23

Project Location:

NONE GIVEN

Sampling Date:

05/29/2014

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

Jodi Henson

Sample ID: S-1 0.5' (H401662-02)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/30/2014	ND	2.12	106	2.00	0.844	
Toluene*	<0.050	0.050	05/30/2014	ND	2.11	106	2.00	1.26	
Ethylbenzene*	<0.050	0.050	05/30/2014	ND	2.04	102	2.00	1.76	
Total Xylenes*	<0.150	0.150	05/30/2014	ND	6.39	106	6.00	1.82	
Total BTEX	<0.300	0.300	05/30/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	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	80.0	16.0	06/02/2014	ND	416	104	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	05/30/2014	ND	160	79.8	200	7.66	
DRO >C10-C28	<10.0	10.0	05/30/2014	ND	178	89.1	200	6.09	
Surrogate: 1-Chlorooctane	78.3	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	81.65	63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

Page 3 of 20



Analytical Results For:

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

Received:

05/30/2014

Reported:

06/02/2014

Project Name:

WEST RED LAKE #23

Project Number: Project Location: NONE GIVEN

NOT GIVEN

Sampling Date:

05/29/2014

Sampling Type:

Soil

Sampling Condition: Sample Received By:

Cool & Intact

Jodi Henson

Sample ID: S-2 0.5' (H401662-03)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/30/2014	ND	2.12	106	2.00	0.844	
Toluene*	<0.050	0.050	05/30/2014	ND	2.11	106	2.00	1.26	
Ethylbenzene*	<0.050	0.050	05/30/2014	ND	2.04	102	2.00	1.76	
Total Xylenes*	<0.150	0.150	05/30/2014	ND	6.39	106	6.00	1.82	
Total BTEX	<0.300	0.300	05/30/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 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	208	16.0	06/02/2014	ND	416	104	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	05/30/2014	ND	160	79.8	200	7.66	
DRO >C10-C28	<10.0	10.0	05/30/2014	ND	178	89.1	200	6.09	
Surrogate: 1-Chlorooctane	78.2	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	80.1	63.6-15	4						

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 wholeover 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, butwell interestation, brunders interruptions, loss of use, or loss of profits incurated by client, its substitution of the profits of the p

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

Page 4 of 20



Analytical Results For:

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

Received:

05/30/2014

Reported:

06/02/2014

Project Name:

WEST RED LAKE #23

Project Number:

NONE GIVEN

74.8 %

63.6-154

Project Location:

NOT GIVEN

Sampling Date:

05/29/2014

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: S-2 1' (H401662-04)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/30/2014	ND	2.12	106	2.00	0.844	
Toluene*	<0.050	0.050	05/30/2014	ND	2.11	106	2.00	1.26	
Ethylbenzene*	<0.050	0.050	05/30/2014	ND	2.04	102	2.00	1.76	
Total Xylenes*	<0.150	0.150	05/30/2014	ND	6.39	106	6.00	1.82	
Total BTEX	<0.300	0.300	05/30/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 %	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	256	16.0	06/02/2014	ND	416	104	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	05/30/2014	ND	160	79.8	200	7.66	
DRO >C10-C28	<10.0	10.0	05/30/2014	ND	178	89.1	200	6.09	
Surrogate: 1-Chlorooctane	79.1 9	65.2-14	0						

Cardinal Laboratories

Surrogate: 1-Chlorooctadecane

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's Bability 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 walved unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its substitute, 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. Keene

Celey D. Keene, Lab Director/Quality Manager

Page 5 of 20



Analytical Results For:

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

Received:

05/30/2014

Reported:

06/02/2014

Project Name: Project Number: WEST RED LAKE #23

Project Location:

NONE GIVEN

NOT GIVEN

Sampling Date:

05/29/2014

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: S-3 0' (H401662-05)

BTEX 8021B	mg/kg Analyzed By: MS							S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	3.70	0.200	05/30/2014	ND	2.12	106	2.00	0.844	
Toluene*	16.3	0.200	05/30/2014	ND	2.11	106	2.00	1.26	
Ethylbenzene*	11.6	0.200	05/30/2014	ND	2.04	102	2.00	1.76	
Total Xylenes*	24.6	0.600	05/30/2014	ND	6.39	106	6.00	1.82	
Total BTEX	56.2	1.20	05/30/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	148 %	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	22800	16.0	06/02/2014	ND	416	104	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	246	10.0	05/30/2014	ND	160	79.8	200	7.66	
DRO >C10-C28	1170	10.0	05/30/2014	ND	178	89.1	200	6.09	
Surrogate: 1-Chlorooctane	65.5	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	65.6	% 63.6-15	4						

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 valved 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, alfiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Keine



Analytical Results For:

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

Received:

05/30/2014

Sampling Date:

05/29/2014

Reported:

06/02/2014

Sampling Type:

Soil

Project Name:

WEST RED LAKE #23

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

NOT GIVEN

Sample ID: S-3 1' (H401662-06)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/30/2014	ND	2.12	106	2.00	0.844	
Toluene*	0.059	0.050	05/30/2014	ND	2.11	106	2.00	1.26	
Ethylbenzene*	<0.050	0.050	05/30/2014	ND	2.04	102	2.00	1.76	
Total Xylenes*	<0.150	0.150	05/30/2014	ND	6.39	106	6.00	1.82	
Total BTEX	<0.300	0.300	05/30/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 %	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	208	16.0	06/02/2014	ND	416	104	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	06/01/2014	ND	160	79.8	200	7.66	
DRO >C10-C28	<10.0	10.0	06/01/2014	ND	178	89.1	200	6.09	
Surrogate: 1-Chlorooctane	97.7	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	96.4	% 63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

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

Celeg D. Keens



Analytical Results For:

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

Received: Reported:

05/30/2014

06/02/2014

Project Name:

WEST RED LAKE #23

Project Number:

NONE GIVEN

Project Location:

NOT GIVEN

Sampling Date:

05/29/2014

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: S-4 0' (H401662-07)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	3.32	0.200	05/30/2014	ND	2.12	106	2.00	0.844	
Toluene*	9.54	0.200	05/30/2014	ND	2.11	106	2.00	1.26	
Ethylbenzene*	5.83	0.200	05/30/2014	ND	2.04	102	2.00	1.76	
Total Xylenes*	12.2	0.600	05/30/2014	ND	6.39	106	6.00	1.82	
Total BTEX	30.9	1.20	05/30/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	116 9	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	26000	16.0	06/02/2014	ND	416	104	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	175	50.0	05/30/2014	ND	160	79.8	200	7.66	
DRO >C10-C28	2520	50.0	05/30/2014	ND	178	89.1	200	6.09	
Surrogate: 1-Chlorooctane	85.0 5	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	141 9	63.6-15	4						

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 valved 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 demages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, alfifiates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

Page 8 of 20



Analytical Results For:

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

Received:

05/30/2014

Reported:

06/02/2014

Project Name:

WEST RED LAKE #23

Project Number: Project Location: NONE GIVEN

Sampling Date:
Sampling Type:

05/29/2014 Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: S-4 0.5' (H401662-08)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.200	0.200	05/30/2014	ND	2.12	106	2.00	0.844	
Toluene*	<0.200	0.200	05/30/2014	ND	2.11	106	2.00	1.26	
Ethylbenzene*	<0.200	0.200	05/30/2014	ND	2.04	102	2.00	1.76	
Total Xylenes*	<0.600	0.600	05/30/2014	ND	6.39	106	6.00	1.82	
Total BTEX	<1.20	1.20	05/30/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 %	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	Qualifie
Chloride	144	16.0	06/02/2014	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
GRO C6-C10	<50.0	50.0	05/30/2014	ND	160	79.8	200	7.66	
DRO >C10-C28	2450	50.0	05/30/2014	ND	178	89.1	200	6.09	
Surrogate: 1-Chlorooctane	76.8 9	65.2-14	0						
Surrogate: 1-Chlorooctadecane	286 %	63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Uability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be finited 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, without limitation, without limitation, without, loss of use, or loss of profits incurred by client, its substitutes, 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



Analytical Results For:

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

Received:

05/30/2014

Reported:

06/02/2014

Project Name:

WEST RED LAKE #23

Project Number:

NONE GIVEN

Project Location:

NOT GIVEN

Sampling Date:

05/29/2014

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: S-5 0' (H401662-09)

BTEX 8021B	mg/kg Analyzed By: MS			d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/30/2014	ND	2.12	106	2.00	0.844	
Toluene*	0.116	0.050	05/30/2014	ND	2.11	106	2.00	1.26	
Ethylbenzene*	0.203	0.050	05/30/2014	ND	2.04	102	2.00	1.76	
Total Xylenes*	0.537	0.150	05/30/2014	ND	6.39	106	6.00	1.82	
Total BTEX	0.856	0.300	05/30/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	116 %	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	20000	16.0	06/02/2014	ND	416	104	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	06/01/2014	ND	160	79.8	200	7.66	
DRO >C10-C28	190	10.0	06/01/2014	ND	178	89.1	200	6.09	
Surrogate: 1-Chlorooctane	99.9 9	65.2-14)						
Surrogate: 1-Chlorooctadecane	107 %	63.6-15	1						

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene



Analytical Results For:

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

Received:

05/30/2014

Reported:

06/02/2014

Project Name:

WEST RED LAKE #23

Project Number: Project Location: NONE GIVEN

NOT GIVEN

Sampling Date:

05/29/2014

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: S-5 0.5' (H401662-10)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/30/2014	ND	2.12	106	2.00	0.844	
Toluene*	<0.050	0.050	05/30/2014	ND	2.11	106	2.00	1.26	
Ethylbenzene*	<0.050	0.050	05/30/2014	ND	2.04	102	2.00	1.76	
Total Xylenes*	<0.150	0.150	05/30/2014	ND	6.39	106	6.00	1.82	
Total BTEX	<0.300	0.300	05/30/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 %	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	256	16.0	06/02/2014	ND	416	104	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	06/01/2014	ND	160	79.8	200	7.66	
DRO >C10-C28	<10.0	10.0	06/01/2014	ND	178	89.1	200	6.09	
Surrogate: 1-Chlorooctane	94.7 9	% 65.2-14	0						-
Surrogate: 1-Chlorooctadecane	97.9 9	63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Llability and Damages. Cardinal's liability and client's exclusive remody 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 walved unless made in writing and recolved 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 arbitishance, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claims to 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.

Celegy D. Keine



Analytical Results For:

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

Received:

05/30/2014

Reported:

Project Name:

06/02/2014 WEST RED LAKE #23

Project Number:

NONE GIVEN

Project Location:

NOT GIVEN

Sampling Date:

05/29/2014

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: S-6 0' (H401662-11)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/30/2014	ND	2.12	106	2.00	0.844	
Toluene*	0.050	0.050	05/30/2014	ND	2.11	106	2.00	1.26	
Ethylbenzene*	<0.050	0.050	05/30/2014	ND	2.04	102	2.00	1.76	
Total Xylenes*	<0.150	0.150	05/30/2014	ND	6.39	106	6.00	1.82	
Total BTEX	<0.300	0.300	05/30/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 %	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	11800	16.0	06/02/2014	ND	416	104	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	06/02/2014	ND	160	79.8	200	7.66	
DRO >C10-C28	114	10.0	06/02/2014	ND	178	89.1	200	6.09	
Surrogate: 1-Chlorooctane	103 %	65.2-14	0						
Surrogate: 1-Chlorooctadecane	100 %	63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager

Page 12 of 20



Analytical Results For:

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

Received:

05/30/2014

Sampling Date:

05/29/2014

Reported:

06/02/2014

Sampling Type:

Soil

Project Name:

Cool & Intact

WEST RED LAKE #23

Sampling Condition:

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

NOT GIVEN

Sample ID: S-6 0.5' (H401662-12)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/30/2014	ND	2.12	106	2.00	0.844	
Toluene*	<0.050	0.050	05/30/2014	ND	2.11	106	2.00	1.26	
Ethylbenzene*	<0.050	0.050	05/30/2014	ND	2.04	102	2.00	1.76	
Total Xylenes*	< 0.150	0.150	05/30/2014	ND	6.39	106	6.00	1.82	
Total BTEX	<0.300	0.300	05/30/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 %	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	64.0	16.0	06/02/2014	ND	416	104	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	06/02/2014	ND	160	79.8	200	7.66	
DRO >C10-C28	<10.0	10.0	06/02/2014	ND	178	89.1	200	6.09	
Surrogate: 1-Chlorooctane	101 9	65.2-14	0				· ·		
Surrogate: 1-Chlorooctadecane	109 9	63.6-15	4						

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 whatevever 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, alfiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

Page 13 of 20



Analytical Results For:

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

Received:

BTEV 8021B

05/30/2014

Reported:

06/02/2014

Project Name:

WEST RED LAKE #23

Project Number:

NONE GIVEN

Project Location:

NOT GIVEN

Sampling Date:

Sampling Type:

Sampling Condition:

Sample Received By:

05/29/2014

Soil

Cool & Intact

Jodi Henson

Sample ID: S-7 0' (H401662-13)

BTEX 8021B	mg/	kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/30/2014	ND	2.12	106	2.00	0.844	
Toluene*	< 0.050	0.050	05/30/2014	ND	2.11	106	2.00	1.26	
Ethylbenzene*	<0.050	0.050	05/30/2014	ND	2.04	102	2.00	1.76	
Total Xylenes*	< 0.150	0.150	05/30/2014	ND	6.39	106	6.00	1.82	
Total BTEX	<0.300	0.300	05/30/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 %	6 89.4-120	5						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/02/2014	ND	416	104	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	06/02/2014	ND	160	79.8	200	7.66	
DRO >C10-C28	<10.0	10.0	06/02/2014	ND	178	89.1	200	6.09	
Surrogate: 1-Chlorooctane	98.4 9	65.2-140)						
Surrogate: 1-Chlorooctadecane	107%	63.6-154	1						

Annalysis of Dec. Mo.

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 walved unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidaries, 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. Freene



Analytical Results For:

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

Received:

05/30/2014

Reported:

06/02/2014 WEST RED LAKE #23

Project Name: Project Number:

NONE GIVEN

Project Location:

NONE GIVEN

Sampling Date:

05/29/2014

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

Jodi Henson

Sample ID: S-8 0' (H401662-14)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.291	0.050	05/30/2014	ND	2.12	106	2.00	0.844	
Toluene*	1.22	0.050	05/30/2014	ND	2.11	106	2.00	1.26	
Ethylbenzene*	1.06	0.050	05/30/2014	ND	2.04	102	2.00	1.76	
Total Xylenes*	2.28	0.150	05/30/2014	ND	6.39	106	6.00	1.82	
Total BTEX	4.85	0.300	05/30/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	126 %	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	14600	16.0	06/02/2014	ND	416	104	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	15.5	10.0	06/02/2014	ND	160	79.8	200	7.66	
DRO >C10-C28	82.0	10.0	06/02/2014	ND	178	89.1	200	6.09	
Surrogate: 1-Chlorooctane	82.4 9	65.2-14	0						
Surrogate: 1-Chlorooctadecane	87.2 9	63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Uability 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 wakeed unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be flable for incidental or consequential chamages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or etherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

Page 15 of 20



Analytical Results For:

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

Received:

05/30/2014

Reported:

06/02/2014

Project Name:

WEST RED LAKE #23

Project Number:

NONE GIVEN

Project Location:

NOT GIVEN

Sampling Date:

05/29/2014

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

Jodi Henson

Sample ID: S-9 0' (H401662-15)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/30/2014	ND	2.12	106	2.00	0.844	
Toluene*	< 0.050	0.050	05/30/2014	ND	2.11	106	2.00	1.26	
Ethylbenzene*	< 0.050	0.050	05/30/2014	ND	2.04	102	2.00	1.76	
Total Xylenes*	< 0.150	0.150	05/30/2014	ND	6.39	106	6.00	1.82	
Total BTEX	<0.300	0.300	05/30/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 %	% 89.4-120	5	,					
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1440	16.0	06/02/2014	ND	416	104	400	3.77	
TPH 8015M	mg/l	kg	Analyze	d By: MS					
Analyte									
Allolyce	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier '
GRO C6-C10	Result	Reporting Limit	Analyzed 06/02/2014	Method Blank ND	BS 160	% Recovery 79.8	True Value QC 200	RPD 7.66	Qualifier `
			•				-		Qualifier
GRO C6-C10	<10.0	10.0 10.0	06/02/2014 06/02/2014	ND	160	79.8	200	7.66	Qualifier

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene



Analytical Results For:

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

Received:

05/30/2014

Reported:

06/02/2014

Project Name:

WEST RED LAKE #23

Project Number:

NONE GIVEN

Project Location:

NOT GIVEN

Sampling Date:

05/29/2014

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By: Jodi Henson

Sample ID: S-10 0' (H401662-16)

BTEX 8021B	mg/	kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/30/2014	ND	2.12	106	2.00	0.844	
Toluene*	< 0.050	0.050	05/30/2014	ND	2.11	106	2.00	1.26	
Ethylbenzene*	<0.050	0.050	05/30/2014	ND	2.04	102	2.00	1.76	
Total Xylenes*	<0.150	0.150	05/30/2014	ND	6.39	106	6.00	1.82	
Total BTEX	<0.300	0.300	05/30/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 %	6 89.4-120	5						
Chloride, SM4500Cl-B	mg/	kg [,]	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	06/02/2014	ND	416	104	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	06/02/2014	ND	160	79.8	200	7.66	
DRO >C10-C28	<10.0	10.0	06/02/2014	ND	178	89.1	200	6.09	
Surrogate: 1-Chlorooctane	88.5 %	65.2-140)						
Surrogate: 1-Chlorooctadecane	93.9 9	63.6-154	1						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's fiability and client's evolusive remody for any claim arising, whether based in contract or tort, shall be finited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed varied 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 reported

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

Page 17 of 20



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 SM4S00Cl-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 remody 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 walved unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, 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

Relinquished By:

Time:

Received By:

Rush

Phone Result: ☐ Yes ☐ No Add'I Phone \$:
Fax Result: ☐ Yes ☐ No Add'I Fax #:
REMARKS:

Relinquished By:

KG LOFZ



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Project Manager:) Company Name: Talon/LPE Phone #: 575-746-8768 Project Location: city: Artesia Sampler Name: > Project Name: W、P.ed しんにキャンシ Address: 408 W. Texas Ave. Lab I.D. FOR LAB USE ONLY 101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476 5-4 5-3 5-20, 5-2 5-10,5 十十七てんのこれ Ad Rins Sample I.D. Fax #: 575-746-8905 Project Owner: Lime, ROCK State: NM Zip: 88210 PPOPPOPP # CONTAINERS GROUNDWATER WASTEWATER MATRIX SOIL OIL SLUDGE P.O. #: City: Attn: OTHER: Fax #: Phone #: State: Company: Address: ACID/BASE: where we arrised to the Aquium paid by the cleant for the word by Candhal within 30 days after completion of the applicable (use, or loss of profits incurred by client, its subsidiance, dupper pair of the above service. ICE / COOL (c) = 1/(C) OTHER: Talon/LPE Zip: 3/24/11/5/45 DATE 2:47 3000 2:59 2:52 2,50 3:06 7:64 3:07 TIME TPH ANALYSIS REQUEST

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 359 2326

2.60

Sample Condition
Cool Intact
Yes Yes
No No

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:

Page 19 of 20

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 39\$2326

F 9: ZORZ



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Sampler - UPS - Bus - Other: Sampler - UPS - Bus - Other:	Date: Received By:	Relinquished By: Timber in the control of the cont	analysts. All claims including instead or regisprise are any over conservationation, business interruptions, loss of use, or loss of podits incurred by clear, its subsidiaries, savries, in no event shall Cartinate be shall be included in incredential or consequential dismans, an incredential consequential dismans, and the shall be shall be shall be included by consequential dismans, and the shall be shall	PLEASE NOTE: Liability and Domages. Cardinal's liability and client's exclusive tensed for any claim arising whether based in centract or for, shall be limited to the amount paid by the client for the PLEASE NOTE: Liability and Domages. Cardinal's liability and client's exclusive tensed whether the same whether or he as		1000	0	5-80	35-70	125-605	11 5-60'	GI W SC O SI O A	D)RAB OR (C)OM CONTAINERS ROUNDWATER OIL IL LUDGE THER: CID/BASE: CE/COOL OTHER:	Sampler Name: 5, Hi+Ch/mb/K NATRIX PRESERV! SAMPLING	Project Name: レスセルの共23 State: Zip:	-746-8768 F	Texas Ave.	D. Adicing P.O.#	Company Name: Talon/LPE
	Rush	II No	Lord, is subdicates, some of the state of th	d by the client for the roughly the completion of the applicable			3:41	3:40	3012	11116	2/20/14/2018	31/1	TPH BTEX Unloria						



June 16, 2014

DAVID ADKINS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: WEST RED LAKE #23

Enclosed are the results of analyses for samples received by the laboratory on 06/06/14 14:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. 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 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. 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



Analytical Results For:

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

Received:

06/06/2014

Reported:

06/16/2014

Project Name: Project Number: WEST RED LAKE #23

Project Location:

NOT GIVEN

701307.062.01

Sampling Date:

06/05/2014

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Kathy Perez

Sample ID: S-8 0' (H401733-01)

BTEX 8260B	mg/	'kg	Analyze	ed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2014	ND	2.31	115	2.00	1.63	
Toluene*	<0.050	0.050	06/10/2014	ND	1.86	93.1	2.00	14.0	
Ethylbenzene*	<0.050	0.050	06/10/2014	ND	2.10	105	2.00	0.396	
Total Xylenes*	<0.150	0.150	06/10/2014	ND	6.37	106	6.00	0.661	
Total BTEX	<0.300	0.300	06/10/2014	ND					
Surrogate: Dibromofluoromethane	98.3	% 61.3-14	12						
Surrogate: Toluene-d8	108 9	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	122 9	% 65.7-14	11						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1560	16.0	06/12/2014	ND	400	100	400	3.92	
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	32.7	10.0	06/12/2014	ND	180	89.8	200	0.936	
DRO >C10-C28	382	10.0	06/12/2014	ND	175	87.5	200	3.58	
Surrogate: 1-Chlorooctane	70.2	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	82.4	% 63.6-15	4						

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 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



Analytical Results For:

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

Received:

06/06/2014

Reported:

06/16/2014

Project Name:

WEST RED LAKE #23

Project Number: Project Location: 701307.062.01

NOT GIVEN

Sampling Date:

06/05/2014

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Kathy Perez

Sample ID: S-11 0' (H401733-02)

BTEX 8260B	mg	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2014	ND	2.31	115	2.00	1.63	
Toluene*	<0.050	0.050	06/10/2014	ND	1.86	93.1	2.00	14.0	
Ethylbenzene*	<0.050	0.050	06/10/2014	ND	2.10	105	2.00	0.396	
Total Xylenes*	<0.150	0.150	06/10/2014	ND	6.37	106	6.00	0.661	
Total BTEX	<0.300	0.300	06/10/2014	ND					
Surrogate: Dibromofluoromethane	107	% 61.3-14	2						
Surrogate: Toluene-d8	107	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	94.2	% 65.7-14	I						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	06/12/2014	ND	400	100	400	3.92	
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	<10.0	10.0	06/13/2014	ND	180	89.8	200	0.936	
DRO >C10-C28	<10.0	10.0	06/13/2014	ND	175	87.5	200	3.58	
Surrogate: 1-Chlorooctane	64.0	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	77.3	% 63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keine



Notes and Definitions

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

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

Celey D. Keene

Relinquished By:

Relinquished By:



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Tolon/I DE			ANALYSIS BEOLIEST
ומוטוו/בו ב		D/66 / C	ANALIOIS DESCRIO
Project Manager: 0, Alkin 5		P.O. #:	
Address: 408 W. Texas Ave.		company: Talon/LPE	
city: Artesia	State: NM zip: 88210	Attn:	
Phone #: 575-746-8768	Fax #: 575-746-8905	Address:	
et#: 70/307,062,0	Project Owner: Lime Rock	City:	
ct Name: WRL For #	Project Name: WRL FC #23	State: Zip:	
Project Location:		Phone #:	
Sampler Name: 5, Hitch Cock		Fax#:	
	MATRIX	PRESERV. SAMPLING	
Lab I.D. Sample I.D.	(G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE / COOL OTHER: DATE	TPH BTEX Chloride
15-80	,		
25-110'	61	-	

CHECKED BY:

Phone Result: Fax Result: REMARKS:

☐ Yes

No No

Delivered By: (Circle One)
Sampler - UPS - Bus - Other: