





talonipe.com • 866.742.0742

# TALON

Closure Report Lime Rock Resources II-A, L.P.:

West Red Lake Unit #56 | 30-015-28451 | 2RP-4184 |

June 23, 2017

### **Prepared By:**

TALON/LPE 408 W. Texas Avenue Artesia, New Mexico 88210

### **Prepared For:**

Lime Rock Resources II-A, L.P.

Mr. Mike Bratcher **NMOCD District 2** 811 S. 1<sup>st</sup> Street Artesia, NM 88210

Subject:

**Closure Report** 

Lime Rock Resources II-A, L.P.

West Red Lake Unit #56 | 30-015-28451 | 2RP-4184 |

Dear Mr. Bratcher,

Lime Rock Resources II-A, L.P. (Lime Rock) has contracted Talon/LPE (Talon) to perform initial spill response, soil sampling, surface water sampling and remediation services at the above referenced location. The results of our soil and surface water assessment, remediation activities and closure request are submitted herein.

### **Site Information**

The West Red Lake Unit #56 is located approximately twelve (12) miles east of Artesia, New Mexico. The legal location for this release is Unit Letter K, Section 7, Township 18 South and Range 27 East in Eddy County, New Mexico. More specifically the latitude and longitude for the release are 32.76122 North and -104.32071 West. A site plan is presented in Appendix I.

According to the soil survey provided by the United States Department of Agriculture Natural Resources Conservation Service, the soil in this area is made up of Arno-Harkey complex, saline with 0 to 1 percent slopes. Per the New Mexico Bureau of Geology and Mineral Resources, the local surface and shallow geology in the vicinity of the release is comprised of the Salado formation. An evaporate sequence, dominantly halite.

### **Ground Water and Site Ranking**

The New Mexico State Engineer web site indicates that the nearest well is located in Section 1, Township 18 South and Range 26 East. This well has a reported depth to groundwater of 8-feet below ground surface (BGS). However groundwater was not observed during soil sampling activities at this site. See Appendix II for the referenced groundwater data.

Therefore the ranking for this site is a 20 based on the following:

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

### **Incident Description and Initial Remedial Actions**

On April 17, 2017, a nipple at a manifold fractured due to corrosion. The fracture resulted in the release of approximately 10bbls of produced water. The majority of the fluid flowed southeast across the soil surface. A small amount of overspray impacted the soil and vegetation northwest of the release point. Approximately 0.5bbl of produced water entered the river. There were no visual indicators (sheen, floating product, etc.) of hydrocarbons in the river at the time of discovery. The line was shut in and repaired.

Following discovery of the release a vacuum truck and backhoe were mobilized to the site to recover standing fluid and scrape up saturated soil in order to mitigate the impacts from the release. The impacted area on the river bank where the fluid entered the river was excavated to a depth of 2-feet BGS in order to prevent any further impacts to the river. A berm was also constructed to mitigate the potential impacts from a future release.

Talon mobilized personnel to conduct surface water and soil sampling within the affected area.

### **Laboratory Results**

See Appendix IV for complete report of laboratory results.

April 17, 2017 Surface Water Sampling

Sample ID	Benzene (mg/L)	BTEX (mg/L)	Chlorides (mg/L)	TPH (mg/L) GRO	TPH (mg/L) DRO
W-1	< 0.001	< 0.006	1720	<1.00	<1.00
W-2	< 0.001	< 0.006	1760	<1.00	<1.00
W-3	< 0.001	< 0.006	1640	<1.00	<1.00

April 18, 2017 Soil Sampling

Sample ID	Depth (feet)	Benzene (mg/kg)	BTEX (mg/kg)	Chlorides (mg/kg)	TPH (mg/kg) GRO	TPH (mg/kg) DRO
S-1	2	< 0.50	<0300	240	<10.0	<10.0
S-1	3			272		
S-2	0	< 0.050	< 0.300	104000	<10.0	<10.0
S-2	1			6000	<del></del>	
S-2	2			3120		######################################
S-2	3			1550		
S-2	4			1040		
S-2	6			1500		
S-2	8			944		
S-2	10			256		
S-2	12			128	<u>-</u> -	

April 18, 2017 Soil Sampling Continued

Sample ID	Depth (feet)	Benzene (mg/kg)	BTEX (mg/kg)	Chlorides (mg/kg)	TPH (mg/kg) GRO	TPH (mg/kg) DRO
S-3	0	< 0.50	< 0.300	15000	<10.0	<10.0
S-3	1			2440		
S-3	2			2160		
S-3	3			1380		
S-3	4	11-	H	688		
S-3	6			768		
S-3	8	=		1300		-
S-3	10			480		
S-3	12	<u>-</u>		864		
S-4	0	< 0.50	< 0.300	7460	<10.0	<10.0
S-4	1	-	in the Fig.	288	-	<u> </u>
S-4	2			608		
S-4	3		-	1440		
S-4	4			2400		
S-4	6	- E		1260		
S-4	8			1330		
S-4	10			1260		
S-4	12			544		

(--) Analyte Not Tested

Background Soil Sampling

Sample ID	Depth (feet)	Chlorides (mg/kg)
BG-1	0	160
BG-1	1	1600
BG-1	2	2200
BG-1	3	2680
BG-1	4	3160
BG-1	6	1090
BG-1	8	752
BG-1	10	352
BG-1	12	368
BG-2	0	160
BG-2	1	240
BG-2	2	272
BG-2	3	304
BG-2	4	544
BG-2	6	288
BG-2	8	224
BG-2	10	336
BG-2	12	368

Background Soil Sampling Continued

Sample ID	Depth	Chlorides
	(feet)	(mg/kg)
BG-3	2	192
BG-3	4	1390
BG-3	6	1920
BG-3	8	848
BG-3	10	656
BG-3	12	864
BG-4	2	2920
BG-4	4	3320
BG-4	6	1360
BG-4	8	896
BG-4	10	656
BG-4	12	512
BG-5	2	4640
BG-5	4	53360
BG-5	6	1840
BG-5	8	2760
BG-5	10	2800
BG-5	12	2560

Mean background chloride concentration at depth

Depth (feet)	Chlorides (mg/kg)
	160
1	920
2	2045
3	1492
4	12355
6	1300
8	1096
10	960
12	934

Based upon the site ranking of **20**, NMOCD Recommended Remedial Action Levels (RRAL) are 50 mg/kg for BTEX, 10 mg/kg for Benzene, 100 mg/kg for TPH and the recommended guideline for Total Chlorides is 1,000 mg/kg.

### **Conclusions**

A very small amount of brine water (approximately 0.5bbls) entered the river. Based on our analytical results from the surface water sampling and visual observations, there is no evidence that any hydrocarbons impacted the river. The analytical results from the surface water sampling event (source, upstream and downstream) do not indicate that the introduced brine water resulted in any noticeable effect to the water quality of the Pecos River.

Based on the saline soil type, the proximity of the river which has historically contained high levels of chlorides and the high chloride concentrations discovered from the background soil analysis; vertical delineation to the NMOCD recommended chloride concentration of 250 mg/kg was not possible at every sample location. It is our opinion that the soil within the area that was affected by this release was fully delineated. Furthermore, due to the high naturally occurring soil chloride concentrations in the project vicinity (background) remediation to the NMOCD recommended guidelines for total chlorides of 1,000 mg/kg was not always achievable.

### Remedial Actions Taken

- In accordance with the NMOCD approved work plan, the flow path leading to the river was excavated to a depth of 2-feet BGS. A soil sample was taken in the bottom of the excavation (sample location S-1). The remaining soil in this area was excavated to a depth of 1-foot BGS.
- The impacted area in the vicinity of sample location S-2 was excavated to a depth of 4-feet BGS.
- The impacted area in the vicinity of sample location S-3 was excavated to a depth of 3-feet BGS.
- The excavated area in the vicinity of sample location S-4 was excavated to a depth of 1-foot BGS.
- All of the excavated soil was hauled to a NMOCD approved solid waste disposal facility.
- The excavation was backfilled and contoured to match the surrounding terrain.

### Closure

On behalf of Lime Rock Resources II-A, L.P we respectfully request that no further actions be required and that closure with regard to this release be granted.

If we can provide additional information or be of further assistance, please contact our office at (575)-746-8768.

Respectfully submitted,

TALON/LPE

Sheldon Hitchcock Project Manager

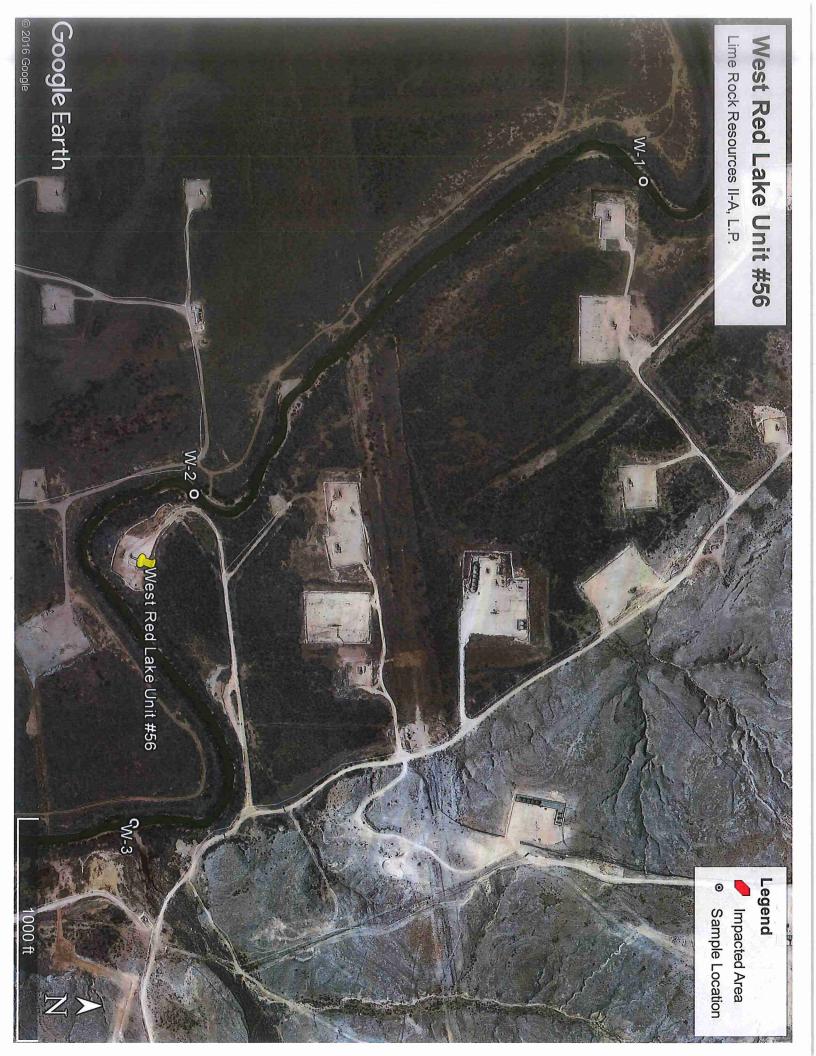
David J. Adkins District Manager

Attachments

Appendix I Site Plan

Appendix II Groundwater Data Appendix III Initial & Final C-141 Appendix IV Laboratory Results

### APPENDIX I SITE PLAN







# APPENDIX II GROUNDWATER DATA



### 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-QQQ Depth Depth Water **POD Number** Code basin County 64 16 4 Sec Tws Rng Well Water Column Distance RA 05989 ED 3 2 4 01 18S 26E 562774 3626466\* 1776 72 RA 02432 ED 2 3 1 12 18S 26E 561764 3625443\* 100 1990

Average Depth to Water:

8 feet

Minimum Depth:

8 feet

Maximum Depth:

8 feet

### Record Count: 2

Basin/County Search:

County: Eddy

UTMNAD83 Radius Search (in meters):

Easting (X): 563691

Northing (Y): 3624944

Radius: 2000

### \*UTM location was derived from PLSS - see Help

# APPENDIX III INITIAL C-141 & FINAL C-141

### **NM OIL CONSERVATION**

District 1 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 District III
1000 Rio Brazos Road, Aziec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

ARTESIA DISTRICT State of New Mexico Energy Minerals and Natural Resources APR 2 1 2017

Form C-141 Revised October 10, 2003

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

RECEIVED

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

Release Notification	and Corrective A	ction	
NAB1711547925	OPERATOR	🛛 Initial R	cport Final Report
Name of Company: LIME ROCK RESOURCES II-A, LP 277558	Contact: Mike Barrett		
Address: 1111 Bagby Street Suite 4600, Houston, TX 77002	Telephone No. : 575-365-9	124	
Facility Name: WEST RED LAKE UNIT #56	Facility Type: Battery	The state of the s	
Surface Owner : Private Mineral Owner:	Private	Lease No.	30-015-28451
LOCATION	OF RELEASE		
Unit Letter   Section   Township   Range   Feet from the   North/	South Line   Feet from the		ounty Eddy
K 7 18S 27E 2100' FSL	1980,	FWL	
About A Account Account of the Accou	ongitude <u>-104.32066 W</u>	<del>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</del>	
	OF RELEASE Volume of Release: 10 bb	a Volume Paro	overed: 8 bbls
Type of Release : Produced Water Source of Release : Plowline	Date and Hour of Occurrence		or of Discovery:
Source of Release : riowline	4/17/2017 @ 10:00am	4/17/2017 @	
Was Immediate Notice Given?	If YES, To Whom?		
☐ Yes ☐ No ☐ Not Required	Mike Bratcher-NMOCD NRC (NRC # 1175922)		
By Whom? Sheldon Hitchcock	Date and Hour: 4/17/2017		
Was a Watercourse Reached?  ☑ Yes ☐ No	If YES, Volume Impacting t 0.5bbl	he Watercourse,	
If a Watercourse was Impacted, Describe Fully.*			. of 1995 had the application and the property of the second seco
• .	1 . 1 . 1.		
Approximately 1/2 barrel of produced water entered the Pecos River. No sh	een was observed on the water	•	
Describe Cause of Problem and Remedial Action Taken.*			
A nipple cracked due to corrosion causing a release of 10 barrels produced	l water. The line was shut-in r	and the nipple repaired.	
Describe Area Affected and Cleanup Action Taken.*	<b>♣</b> ->		
Approximately Ten (10) barrels of produced water were released due to a	cracked nipple. A vac truck w	as called to the locatio	on immediately recovering
approximately 8 barrels of produced water. Approximately 0.5 barrel of particles approximately 0.5 barrel 0.5 ba	roduced water entered the Pec	os River. No sheen wa	is observed on the water.
I hereby certify that the information given above is true and complete to the	ne best of my knowledge and t	nderstand that pursuan	nt to NMOCD rules and
regulations all operators are required to report and/or file certain release n public health or the environment. The acceptance of a C-141 report by the	otifications and perform correct	ctive actions for release	es which may endanger
should their operations have failed to adequately investigate and remediat	A man a second that cooking the cooking s	eport aloes not reneve eat to ground water, su	arface water, human health
or the environment. In addition, NMOCD acceptance of a C-141 report d	oes not relieve the operator of	responsibility for comp	pliance with any other
federal, state, or local laws and/or regulations.			
	<u>OIL CON</u>	SERVATION D	IVISION
Signature: Mulket L		r. 11	Miles
	Approved by District Supervis	or: NASTA	$\forall w \forall \forall y \forall $
Printed Name: Michael Barrett	Alam I.	_ ///	
Title: Production Superintendent	Approval Date: 4 25	Expiration Dat	te: NA
E-mail Address: mbarrett@limerockresources.com	Conditions of Approval:	1	Attached 🔀
Date: 4/21/2017 Phone: \$75.265.0724	see attack	(20)	
Date: 4/21/2017 Phone: 575-365-9724  Attach Additional Sheets If Necessary		<u> </u>	200

4KP-4184

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

### State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised October 10, 2003

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

### **Release Notification and Corrective Action**

	<b>OPERATOR</b>	☐ 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.: 575-365-9724	
Facility Name: WEST RED LAKE UNIT #56	Facility Type: Oil	
Surface Owner : Private Mineral Owner	Private	Lease No. 30-015-28451
LOCATIO	N OF RELEASE	
Unit Letter Section Township Range Feet from the North	h/South Line   Feet from the   East   1980'   FW	/West Line   County Eddy
	Longitude <u>-104.32066 W</u>	
	E OF RELEASE	
Type of Release : Produced Water	Volume of Release: 10 bbls	Volume Recovered: 8 bbls
Source of Release : Flowline	Date and Hour of Occurrence: 4/17/2017 @ 10:00am	Date and Hour of Discovery: 4/17/2017 @ 11:00 am
Was Immediate Notice Given?	If YES, To Whom?	
☐ Yes ☐ No ☐ Not Required		
By Whom? Sheldon Hitchcock	NRC (NRC # 1175922) Date and Hour: 4/17/2017	
Was a Watercourse Reached?	If YES, Volume Impacting the Wa	atercourse.
Yes □ No	½ barrel	
If a Watercourse was Impacted, Describe Fully.*		
Approximately ½ barrel of produced water entered the Pecos River. No spoint, and downstream of the release. The samples were analyzed for TP sample locations indicated that the small amount of brine water that ente	H, BTEX, and Total Chlorides. Comp	parison of the analytical results from the three
Describe Cause of Problem and Remedial Action Taken.*		
A nipple cracked due to corrosion causing a release of approximately 10	barrels produced water. The line was	shut-in, repaired and put back into service.
Describe Area Affected and Cleanup Action Taken.*		
Approximately ten (10) barrels of produced water were released due to a recovering approximately eight (8) barrels of produced water. Approxim on the water. Soil, surface water and background samples were taken. A remediation of this release was carried out in accordance with the approximcident.  I hereby certify that the information given above is true and complete to	nately ½ barrel of produced water enter remediation work plan was drafted and work plan. We are requesting that the best of my knowledge and understanding the state of the best of the be	ared the Pecos River. No sheen was observed and subsequently approved by NMOCD. The no further action be required for this attend that pursuant to NMOCD rules and
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 the 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.	he NMOCD marked as "Final Report' ate contamination that pose a threat to	does not relieve the operator of liability ground water, surface water, human health
Signature: MM B	OIL CONSER	VATION DIVISION
Printed Name: Michael Barrett	Approved by District Supervisor:	
Title: Production Superintendent	Approval Date:	Expiration Date:
E-mail Address: mbarrett@limerockresources.com	Conditions of Approval:	Attached
Date 6/27/2017 Phone: 575-365-9724		

<sup>\*</sup> Attach Additional Sheets If Necessary

# APPENDIX IV LABORATORY RESULTS



April 19, 2017

SHELDON HITCHCOCK

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: WEST RED LAKE UNIT #56

Enclosed are the results of analyses for samples received by the laboratory on 04/18/17 16:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. 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 <a href="https://www.tceq.texas.gov/field/qa/lab">www.tceq.texas.gov/field/qa/lab</a> 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. 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 SHELDON HITCHCOCK 408 W. TEXAS AVE. ARTESIA NM, 88210 (575) 745-8905

Fax To:

Received:

04/18/2017

Reported:

04/19/2017

Project Name:

WEST RED LAKE UNIT #56

Project Number: Project Location: 701307,098,01 K-7-18S-27E

Sampling Date:

04/17/2017

Sampling Type:

Water

Sampling Condition:

Cool & Intact

Sample Received By:

Tamara Oldaker

Sample ID: W-1 (H701027-01)

BTEX 8021B	mg/l		Analyze	d By: MS		TANKO WASAN W			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.001	0.001	04/19/2017	ND	0.020	98.1	0.0200	2.17	
Toluene*	<0.001	0.001	04/19/2017	ND	0.020	98.6	0.0200	1.97	
Ethylbenzene*	<0.001	0.001	04/19/2017	ND	0.021	106	0.0200	2.33	
Total Xylenes*	<0.003	0.003	04/19/2017	ND	0.061	102	0.0600	2.07	
Total BTEX	<0,006	0.006	04/19/2017	ND					
Surrogate: 4-Bromofluorobenzene (PIL	96.0%	6 72-148							
Chloride, SM4500Cl-B	mg/l		Analyze	d By: AC		W-W-CI			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride*	1720	4.00	04/19/2017	ND	100	100	100	3.92	
TPH 8015M	mg/l	_	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<1.00	1.00	04/19/2017	ND	51.6	103	50.0	4.73	
DRO >C10-C28	<1.00	1.00	04/19/2017	ND	58.9	118	50.0	0.209	
Surrogate: 1-Chlorooctane	143 %	6 37.1-138	}						
Surrogate: 1-Chlorooctadecane	148 %	6 44.6-15	!						

### 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 consequenced 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.

Celeg D Keens



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

Received:

04/18/2017

04/19/2017

Reported: Project Name:

WEST RED LAKE UNIT #56

Project Number: Project Location:

701307.098.01

K-7-18S-27E

Sampling Date:

04/17/2017

Sampling Type:

Water

Sampling Condition: Sample Received By: Cool & Intact

Tamara Oldaker

### Sample ID: W-2 (H701027-02)

BTEX 8021B	mg/	L	Analyze	d By: MS		**************************************			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.001	0.001	04/19/2017	ND	0.020	98.1	0.0200	2.17	
Toluene*	<0.001	0.001	04/19/2017	ND	0.020	98.6	0.0200	1.97	
Ethylbenzene*	<0.001	0.001	04/19/2017	ND	0.021	106	0.0200	2.33	
Total Xylenes*	<0.003	0.003	04/19/2017	ND	0.061	102	0.0600	2,07	
Total BTEX	<0.006	0.006	04/19/2017	ND					
Surrogate: 4-Bromofluorobenzene (PIL	99.0 %	% 72-148							
Chloride, SM4500Cl-B	mg/	L	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride*	1760	4.00	04/19/2017	ND	100	100	100	3.92	
TPH 8015M	mg/	L	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<1.00	1.00	04/19/2017	ND	51.6	103	50.0	4.73	
DRO >C10-C28	<1.00	1.00	04/19/2017	ND	58.9	118	50.0	0.209	
Surrogate: 1-Chlorooctane	124 %	6 37.1-138	3						
Surrogate: 1-Chlorooctadecane	130 %	6 44.6-151	!						

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

Celeg D. Kreene



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

Received:

04/18/2017

Reported:

04/19/2017

Project Name: Project Number: WEST RED LAKE UNIT #56

Project Location:

701307.098.01 K-7-18S-27E Sampling Date:

04/17/2017

Sampling Type:

Water

Sampling Condition:

Cool & Intact

Sample Received By:

Tamara Oldaker

### Sample ID: W-3 (H701027-03)

BTEX 8021B	mg/l	-	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.001	0.001	04/19/2017	ND	0.020	98.1	0.0200	2.17	
Toluene*	< 0.001	0.001	04/19/2017	ND	0.020	98.6	0.0200	1.97	
Ethylbenzene*	< 0.001	0.001	04/19/2017	ND	0.021	106	0.0200	2.33	
Total Xylenes*	<0.003	0.003	04/19/2017	ND	0.061	102	0.0600	2.07	
Total BTEX	<0.006	0.006	04/19/2017	ND					
Surrogate: 4-Bromofluorobenzene (PIL	96.8 %	6 72-148							
Chloride, SM4500Cl-B	mg/l	•	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride*	1640	4.00	04/19/2017	ND	100	100	100	3.92	
TPH 8015M	mg/l		Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<1.00	1.00	04/19/2017	ND	51.6	103	50.0	4.73	
DRO >C10-C28	<1.00	1.00	04/19/2017	ND	58.9	118	50.0	0.209	
Surrogate: 1-Chlorooctane	139 %	6 37.1-138							
Surrogate: 1-Chlorooctadecane	145 %	6 44.6-151							

### Cardinal Laboratories

\*=Accredited Analyte

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

Celey D. Keene



### **Notes and Definitions**

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

BS1 Blank spike recovery above laboratory acceptance criteria. Results for analyte potentially biased high.

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: 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 within (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of 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



# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

ompany Name:	" Talon/LPE				and in the control of an applicate application control of the cont			ANALYSIS	REQUEST		
roject Manage	roject Manager: う、片汁しれ <i>つ</i> しん			P.O. #:							
ddress: 408	address: 408 W. Texas Ave.			Company: Talon/LPE	PE					<u>8</u>	<b></b>
ity: Artesia	State: NM Zip: 88210	zip: 8821	0	Attn:							
hone #: 575-746-8768	-746-8768 Fax #: 575-746-8905	46-8905	0.	Address:							¥======
roject #: 70	roject #: 70/307,098,0/ Project Owner: Lipso Rock	Lime 1	ROCK	City:							
roject Name: 1	roject Name: W でらす Red Lan Court 井ちの	6		State: Zip:		~					•
roject Location	roject Location: K - 7 - 185 - 27E			Phone #:							
ampler Name:	ampler Name: 5, 47+ch cock			Fax #:							
FOR LAB USE ONLY			MATRIX	PRESERV. SAMPLING	ING						
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER	WASTEWATER SOIL OIL SLUDGE	OTHER SWAW Ho ACID/BASE: CE / COOL OTHER : HOI DA	I X	TPH BTEX	Chlorides				
	W-(	I		Z	3:36		7				
7	2 W-2	ନ -		1/1/14/17/17	4/17/17 3:46	//	1/,				
w	V-3	h 0		00:4 11/11/11 / /	4:00						
									1	,	
EASE NOTE: Liability an ayses. All claims including vice. In no event shall Cultivate or sucrement of artists.	EASE NOTE: Liability and Damages. Cardina's lability and client's exclusive remedy for any claim arising whether based in contract or fort, shall be furrited to the amount paid by the client for the exists. Including those for neighbors and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable rich to a contract the 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, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, including without limitation and limitation are limitation and limitation and limitation are limitation and limitation and limitation are limitation and limitation are limitation and limitation and limitation are limitation and limitation and limitation are limitation and limitation ar	y claim arising whet semed waived unles without limitation, bu	her based in contracts made in writing an isiness interruptions.	t or tort, shall be limited to the amount p d received by Cardinal within 30 days at loss of use, or loss of profits incurred by	aid by the client for the ter completion of the ap client, its subsidiaries.	plicable					
elinquished By:	blinquished By:  Date: Received By:  Phone Results  Date: Received By:  Received By:  Date: Received By:	Received By:	Whemer such claim	is based upon any of the above stated r	Phone Result:	0	Yes 🗆 I	Ш			
Shark Fri	Time:				REMARKS:		c	NO Add'I Fax #:			
	7	ם המייים	J								

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

4.50

Sample Condition Cool Intact Cyfes Cyfes No No



April 19, 2017

SHELDON HITCHCOCK

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE; WEST RED LAKE UNIT #56

Enclosed are the results of analyses for samples received by the laboratory on 04/18/17 16:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. 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 <a href="https://www.tceq.texas.gov/field/qa/lab">www.tceq.texas.gov/field/qa/lab</a> 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
SHELDON HITCHCOCK
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received:

04/18/2017

04/19/2017

Reported: Project Name:

WEST RED LAKE UNIT #56

Project Number:

701307.098.01

Project Location:

K-7-18S-27E

Sampling Date:

ite:

04/18/2017

Soil

Sampling Type: Sampling Condition: Sample Received By:

Cool & Intact

Tamara Oldaker

### Sample ID: BG-1 0' (H701028-01)

Chloride, SM4500Cl-B	mg/kg		Analyze	Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	04/19/2017	ND	464	116	400	14.8	
Sample ID: BG-1 1' (H701	028-02)								
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1600	16.0	04/19/2017	ND	464	116	400	14.8	•
Sample ID: BG-1 2' (H701	.028-03)								
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2200	16.0	04/19/2017	ND	464	116	400	14.8	
Sample ID: BG-1 3' (H701	.028-04)								
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2680	16.0	04/19/2017	ND	464	116	400	14.8	

### Cardinal Laboratories

\*=Accredited Analyte

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

Celey & Keens



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

Received:

04/18/2017

Sampling Date:

04/18/2017

Reported:

04/19/2017

Soil

Project Name:

WEST RED LAKE UNIT #56

Sampling Type: Sampling Condition:

Cool & Intact

Project Number:

701307.098.01

Sample Received By:

Tamara Oldaker

Project Number:
Project Location:

K-7-18S-27E

### Sample ID: BG-1 4' (H701028-05)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3160	16.0	04/19/2017	ND	464	116	400	14.8	
Sample ID: BG-2 0' (H70	1028-06)								
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	04/19/2017	ND	464	116	400	14.8	
Sample ID: BG-2 1' (H70	)1028-07)								
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC	***				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	04/19/2017	ND	464	116	400	14.8	
Sample ID: BG-2 2' (H70	01028-08)								
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
A collection	D II-	Describes I insit	Anahmad	Mothed Dlank	BC	94 Bacovana	Truo Valuo OC	DDD	Oualifia

Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	04/19/2017	ND	464	116	400	14.8	

### Sample ID: BG-2 3' (H701028-09)

Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	04/19/2017	ND	464	116	400	14.8	

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

Celey & Keine



TALON LPE SHELDON HITCHCOCK 408 W. TEXAS AVE. ARTESIA NM, 88210

Fax To:

(575) 745-8905

Received:

04/18/2017

Sampling Date:

04/18/2017

Reported:

04/19/2017

Sampling Type:

Soil

Project Name:

WEST RED LAKE UNIT #56

Sampling Condition:

Cool & Intact

Project Number: Project Location: 701307.098.01 K-7-18S-27E

Sample Received By:

Tamara Oldaker

Sample ID: BG-2 4' (H701028-10)

Chloride, SM4500Cl-B

mg/kg

Analyzed By: AC

Analyte

Reporting Limit Result

Analyzed Method Blank BS % Recovery True Value QC

Qualifier

Chloride

544

16.0 04/19/2017 ND

464

116

400

RPD

14.8

Sample ID: S-1 2' (H701028-11)

	ľ	n	g	1	k	Ç	J

Analyzec	i By: MS
----------	----------

BTEX 8021B	mg/kg		Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/19/2017	ND	2.35	117	2.00	0.525	
Toluene*	<0.050	0.050	04/19/2017	ND	2.15	107	2.00	0.517	
Ethylbenzene*	<0.050	0.050	04/19/2017	ND	2.12	106	2.00	0.333	
Total Xylenes*	<0.150	0.150	04/19/2017	ND	6.08	101	6.00	0.443	
Total BTEX	<0.300	0.300	04/19/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIL

99.2 %

72-148

Chloride,	SM4500CI-B
-----------	------------

### mg/kg

### Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	04/19/2017	ND	464	116	400	14.8	
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	04/19/2017	ND	191	95.5	200	0.774	
DRO >C10-C28	<10.0	10.0	04/19/2017	ND	194	97.0	200	2.40	

Surrogate: 1-Chlorooctane

110%

28.3-164

Surrogate: 1-Chlorooctadecane

119%

34.7-157

Cardinal Laboratories

\*=Accredited Analyte

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

Celeg D. Kreene

Celey D. Keene, Lab Director/Quality Manager



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

Received:

04/18/2017

Reported:

04/19/2017

Project Name: Project Number: WEST RED LAKE UNIT #56

701307.098.01

Project Location:

Analyte

K-7-18S-27E

Result

272

Sampling Date:

- .. -

Sample Received By:

04/18/2017

Sampling Type:

Sampling Condition:

Soil Cool & Intact

Tamara Oldaker

Sample ID: S-1 3' (H701028-12)

Chloride, SM4500Cl-B

Chloride

mg/kg

Analyzed By: AC

ND

Reporting Limit

16.0

Analyzed

04/19/2017

Method Blank BS

464

% Recovery 116 True Value QC 400 RPD

14.8

Qualifier

Sample ID: S-2 0' (H701028-13)

BTEX 8021B	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/19/2017	ND	2.35	117	2.00	0.525	
Toluene*	<0.050	0.050	04/19/2017	ND	2.15	107	2.00	0.517	
Ethylbenzene*	<0.050	0.050	04/19/2017	ND	2.12	106	2.00	0.333	
Total Xylenes*	<0.150	0.150	04/19/2017	ND	6.08	101	6.00	0.443	
Total BTEX	<0.300	0.300	04/19/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIL	98.3	% 72-148							
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						2
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10400	16.0	04/19/2017	ND	464	116	400	14.8	
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	04/19/2017	ND	191	95.5	200	0.774	
GRO C6-C10 DRO >C10-C28	<10.0 <10.0	10.0 10.0	04/19/2017 04/19/2017	ND ND	191 194	95 <b>.</b> 5 97 <b>.</b> 0	200 200	0.774 2.40	

Surrogate: 1-Chlorooctadecane

Cardinal Laboratories

123 %

34.7-157

\*=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 urless 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 & Kune



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

Received:

04/18/2017

04/19/2017

Reported: Project Name:

WEST RED LAKE UNIT #56

16.0

Reporting Limit

16.0

Project Number:

701307.098.01

Project Location:

Analyte

Analyte

K-7-18S-27E

Sampling Date:

Sampling Type:

Soil

Sampling Condition: Sample Received By:

Cool & Intact

Tamara Oldaker

04/18/2017

Sample ID: S-2 1' (H701028-14)

Chloride, SM4500Cl-B

mg/kg

Analyzed By: AC

Result Reporting Limit

6000

Result

3120

Analyzed 04/19/2017 Method Blank ND

Method Blank

ND

BS 464

BS

464

% Recovery True Value QC RPD

14.8

14.8

Qualifier

Chloride

Sample ID: S-2 2' (H701028-15)

Chloride, SM4500Cl-B

mg/kg

Analyzed By: AC

% Recovery

116

116

True Value QC

400

400

RPD Qualifier

Chloride

Sample ID: S-2 3' (H701028-16) Chloride, SM4500Cl-B

mg/kg

Analyzed By: AC

Analyte

Reporting Limit

Reporting Limit

Reporting Limit

16.0

Analyzed

Analyzed

04/19/2017

Method Blank

% Recovery

True Value QC

RPD

Qualifier

Chloride

1550

Result

04/19/2017 16.0

ND

BS 464

116

400

14.8

Sample ID: S-2 4' (H701028-17)

Chloride, SM4500Cl-B

Analyte

mg/kg

Analyzed

Analyzed By: AC

BS

464

% Recovery

116

True Value QC

Qualifier

Chloride

Result 1040

16.0 04/19/2017

Method Blank ND

116

400

RPD 14.8

Sample ID: S-2 6' (H701028-18)

Chloride, SM4500Cl-B

mg/kg

Analyzed By: AC

Result Analyte Chloride 1500

Analyzed

04/19/2017

Method Blank

ND

BS

464

% Recovery True Value QC

400

RPD

14.8

Qualifier

Cardinal Laboratories

\*=Accredited Analyte

All claims, including those for negligence and PLEASE NOTE: Ulability 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. 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 daim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keen



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

Received:

04/18/2017

Reported:

04/19/2017

Project Name:

WEST RED LAKE UNIT #56

Project Number:

701307.098.01

Project Location:

K-7-18S-27E

944

Result

256

Sampling Date:

04/18/2017

Soil

Sampling Type: Sampling Condition: Sample Received By:

Cool & Intact

Tamara Oldaker

Sample ID: S-2 8' (H701028-19)

Chloride, SM4500Cl-B

Chloride

Chloride

mg/kg

Analyzed By: AC

Analyte Result

Reporting Limit

16.0

Reporting Limit

16.0

Analyzed 04/19/2017

Analyzed

04/19/2017

Method Blank ND

BS 432

BS

432

% Recovery 108 400

RPD True Value QC

0.00

0.00

Qualifier QM-07

Sample ID: S-2 10' (H701028-20)

Chloride, SM4500CI-B

Analyte

mg/kg

Analyzed By: AC

Method Blank

ND

% Recovery

108

True Value QC 400

RPD

Qualifier

Sample ID: S-2 12' (H701028-21)

Chloride, SM4500Cl-B

mg/kg

Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	04/19/2017	ND	432	108	400	0.00	

Cardinal Laboratories

\*=Accredited Analyte

All claims, including those for negligence and 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. 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. Keen



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

Received: Reported:

04/18/2017

04/19/2017

Project Name:

WEST RED LAKE UNIT #56

Project Number:

701307.098.01

Project Location:

K-7-18S-27E

Sampling Date:

Sampling Type:

04/18/2017

Soil

Sampling Condition:

Sample Received By:

Cool & Intact Tamara Oldaker

Sample ID: S-3 0' (H701028-22)

BTEX 8021B	mg/l	⟨g	Analyze	d By: MS					- MANAGEMENT
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/19/2017	ND	2,35	117	2.00	0.525	
Toluene*	<0.050	0.050	04/19/2017	ND	2.15	107	2.00	0.517	
Ethylbenzene*	<0.050	0.050	04/19/2017	ND	2,12	106	2.00	0.333	
Total Xylenes*	<0.150	0.150	04/19/2017	ND	6.08	101	6.00	0.443	
Total BTEX	<0.300	0.300	04/19/2017	ND					
Surrogate: 4-Bromofluorobenzene (PIL	98.9%	6 72-148							
Chloride, SM4500Cl-B	mg/l	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	15000	16.0	04/19/2017	ND	432	108	400	0.00	
трн 8015м	mg/l	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	04/19/2017	ND	191	95.5	200	0.774	
DRO >C10-C28	<10.0	10.0	04/19/2017	ND	194	97.0	200	2.40	
Surrogate: 1-Chlorooctane	101 %	6 28.3-16	4						
Surrogate: 1-Chlorooctadecane	105 %	6 34.7-15	7						

### Sample ID: S-3 1' (H701028-23)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2440	16.0	04/19/2017	ND	432	108	400	0.00	

### Cardinal Laboratories

\*=Accredited Analyte

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

Celey & Kune



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

Received:

04/18/2017

Sampling Date:

04/18/2017

Reported:

Sampling Type:

Soil

04/19/2017

Sampling Condition:

Cool & Intact

Project Name:

WEST RED LAKE UNIT #56 701307.098.01

Sample Received By:

Tamara Oldaker

Project Number: Project Location:

K-7-18S-27E

Sample ID: S-3 2' (H701028-24)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC		more and the second			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2160	16.0	04/19/2017	ND	432	108	400	0.00	

### Sample ID: S-3 3' (H701028-25)

Chloride, SM4500Cl-B	mg,	/kg	Anaiyze	а ву: АС	**************************************			***************************************	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1380	16.0	04/19/2017	ND	432	108	400	0.00	

### Sample ID: S-3 4' (H701028-26)

Chloride, SM4500CI-B	mg	/kg	Апатуге	а ву: АС					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	688	16.0	04/19/2017	ND	432	108	400	0.00	

Aughter of Dec. AC

### Sample ID: S-3 6' (H701028-27)

Chloride, SM4500CI-B	mg	/kg	Analyze	a By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	768	16.0	04/19/2017	ND	432	108	400	0.00	

### Sample ID: S-3 8' (H701028-28)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1300	16.0	04/19/2017	ND	432	108	400	0.00	

### Cardinal Laboratories

\*=Accredited Analyte

PLESE 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 dalm 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



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

Received:

04/18/2017

Reported:

04/19/2017

Project Name: Project Number: WEST RED LAKE UNIT #56

ect Number: 701307.098.01

Sampling Date:

04/18/2017

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Location: K-7-18S-27E

Sample ID: S-3 10' (H701028-29)

Chloride, SM4500Cl-B

mg/kg

Analyzed By: AC

Analyzed

Method Blank

BS % Recovery

True Value QC

Qualifier

Chloride

Chloride

Result **480** 

16.0

Reporting Limit

04/19/2017

ND

432

400

0.00

Sample ID: S-3 12' (H701028-30)

Chloride, SM4500Cl-B

Analyte

mg/kg

Analyzed By: AC

Analyte Result Reporting Limit

864 16.0

Analyzed 04/19/2017

Method Blank ND BS 432 % Recovery

108

True Value QC 400 RPD 0.00

RPD

Qualifier

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Ulability 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 incidential or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incinured by client, business interruptions, loss of use, or loss of profits incinured by client, business interruptions, loss of use, or loss of youth incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incidental arrangement of the services of a service of the services of a service of the services of the service 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.

Celey & Keene

Celey D. Keene, Lab Director/Quality Manager



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

Received:

04/18/2017

Sampling Date:

04/18/2017

Reported:

04/19/2017

Sampling Type:

Soil

Project Name:

WEST RED LAKE UNIT #56

Sampling Type: Sampling Condition:

Cool & Intact

Project Number:

701307.098.01

Sample Received By:

Tamara Oldaker

Project Location:

K-7-18S-27E

### Sample ID: S-4 0' (H701028-31)

BTEX 8021B	mg/	kg	Analyze	d By: MS	10001000000000000000000000000000000000	***************************************			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/19/2017	ND	2.35	117	2.00	0.525	
Toluene*	<0.050	0.050	04/19/2017	ND	2.15	107	2.00	0.517	
Ethylbenzene*	<0.050	0.050	04/19/2017	ND	2.12	106	2.00	0,333	
Total Xylenes*	<0.150	0.150	04/19/2017	ND	6.08	101	6.00	0.443	
Total BTEX	<0.300	0.300	04/19/2017	ND					
Surrogate: 4-Bromofluorobenzene (PIL	99.0	% 72-148							
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7460	16.0	04/19/2017	ND	432	108	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	04/19/2017	ND	191	95.5	200	0.774	
DRO >C10-C28	<10.0	10.0	04/19/2017	ND	194	97.0	200	2.40	
Surrogate: 1-Chlorooctane	113 9	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	123 9	% 34.7-15	7						

### Sample ID: S-4 1' (H701028-32)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	04/19/2017	ND	432	108	400	0.00	

### 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 urless 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. Keine



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

Received: Reported: 04/18/2017

04/19/2017

Project Name:

WEST RED LAKE UNIT #56

Reporting Limit

16.0

Reporting Limit

Reporting Limit

16.0

Reporting Limit

Reporting Limit

16.0

Project Number:

701307.098.01

Project Location:

Analyte

Analyte

Analyte

Analyte

K-7-18S-27E

Result

608

Sampling Date:

Sampling Type:

Sampling Condition:

Sample Received By:

04/18/2017

Soil

Cool & Intact Tamara Oldaker

Sample ID: S-4 2' (H701028-33)

Chloride,	SM4500CI-B

mg/kg

Analyzed By: AC

Analyzed

04/19/2017

Analyzed

Method Blank

ND

BS % Recovery True Value QC 400

RPD 0.00 Qualifier

Sample ID: S-4 3' (H701028-34)

Chloride,	SM4500Cl-B
-----------	------------

mg/kg

Analyzed By: AC

BS

432

% Recovery 108

108

True Value QC

Qualifier

Chloride

Chloride

Result 1440

Result

2400

04/19/2017 16.0

Method Blank ND

432

400

RPD 0.00

Sample ID: S-4 4' (H701028-35)

Chlori	do C	MAS	ሰበሰ	'L.R

mg/kg

Analyzed By: AC

Analyzed

04/19/2017

Analyzed

Method Blank

% Recovery

108

True Value QC 400

RPD

0.00

Qualifier

Sample ID: S-4 6' (H701028-36)

Chloride, SM4500Cl-B

mg/kg

Analyzed By: AC

Method Blank

ND

BS

432

BS

432

BS

432

% Recovery

108

True Value QC

Qualifier

Chloride

Chloride

Chloride

Result 1260

Result

1330

16.0

04/19/2017

ND

108

400

RPD 0.00

Sample ID: S-4 8' (H701028-37)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AC

Analyte

Analyzed 04/19/2017 Method Blank ND

% Recovery

True Value QC 400

RPD 0.00 Qualifier

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages, Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. 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 daim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey & trene

Celey D. Keene, Lab Director/Quality Manager



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

Received:

04/18/2017

Reported:

04/19/2017

Project Name: Project Number: WEST RED LAKE UNIT #56

701307.098.01

Project Location:

Analyte

K-7-18S-27E

Sampling Date:

Sampling Type:

04/18/2017

Soil

Sampling Condition: Sample Received By:

Cool & Intact

Tamara Oldaker

Sample ID: S-4 10' (H701028-38)

Chloride, SM4500Cl-B

mg/kg

Analyzed By: AC

Method Blank

% Recovery

True Value QC

RPD

Qualifier

Chloride

Result 1260 Reporting Limit 16.0

Analyzed 04/19/2017

ND

432

108

400

0.00

Sample ID: S-4 12' (H701028-39)

Chloride, SM4500Cl-B

mg/kg

Analyzed By: AC

Analyte Result Reporting Limit Analyzed Chloride 544 16.0

04/19/2017

Method Blank NĐ

BS 432

108

% Recovery

True Value QC 400

RPD 0.00

Qualifier

Cardinal Laboratories

\*=Accredited Analyte

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 dalm 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. Ken



### **Notes and Definitions**

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS

recovery

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

Celey & Keene



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

### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

		Sample Condition CHECKED BY:	Circle One)
へ 名 と	<u></u>	4:35 Minute allest	
	<u>つ</u>	1	
		Date: Received By:	Relinquished By:
[	REMARKS:	ine:	133
□ Yes □ No	Fax Result:		>
	ed reasons or otherwise.	Date: Received By:	Kelinquished By:
· Philipping	d by client, its subsidiaries	stillates or successors arising out of or helded to this performs of sortions between the heldering without limitation, business interruptions, loss of use, or loss of posits incurred by client, its substitutes, and the performance of services in hereunder by Cateful, its authorizes,	affiliates or successors arising out of or related to the performance of
	nt paid by the client for the	analyses. All dains including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the annumber of th	analyses. All claims including those for negligence and any other causelyses. In no event shall Cardinal be liable for including
	8,40		PLEASE NOTE: Liability and Damages, Cardinary Sahility and Calculate
	8:38		30
	8:24		シャ
	10.00		8 36-52
	6137	6	12-211
	8:36	6	6 36-20
	Ø! (Ø	0	7 1100
	87.68	G	
	8.06	>9	1 77 7
	2000		2 - 7 - 7
	0 0		2 86-16
	17 Q:00		136-10
	IME	# G W S O SI O AC IC	
Ch		G)RAE CONT ROUN ROUN VASTE OIL ULUDG THER CID/B/ THER	120102X
		B OR FAIN NDW WAT E : ASE:	Sample I.D.
2		(C)C ERS	
	Comit Line		
		MATRIX DOESEDV	FOR LAB USE ONLY
-5			Sampler Name: 5. H.+Ch. Coch
		27c Phone #:	/\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
		akc Unit 井56 State: Zip:	25+ 20 1
		Project Owner:   we Rock City:	
		Fax #: 5/5-746-8905 Address:	Fnone #: 0/0-/46-8/68
	all and a second	State: NM Zip: 88210 Attn:	Sily Allesia
	[alon/LPE	Company:	Chi. A de .:
		P.O. #:	Address: ADR W. Town Avin
ANALYSIS REQUEST	A CONTRACTOR OF THE CONTRACTOR		Project Manager: S ドルノ
			Company Name: Talon/LPF

Sampler - UPS - Bus - Other:

4.90

CHECKED BY:

Cardinal cannot accent verbal changes also - ----

Page 15 of 18

### PG 2014

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Tale	Talon/I PF											
Project Manager:				P.O. #:		days of the second			ANALYSIS		REQUEST	
Address: 408 W. T	Texas Ave.			pany:	Talon/I PF							
city: Artesia	State: NM	Zip:	zip: 88210	- 1								
Phone #: 575-746-8768	8768 Fax #: 575-746-8905	746-		Address:			***************************************					
Project #:	Project Owner:	. <b></b>		City:							-	
Project Name:	Wither transparent and the state of the stat			State: Zip:	D:							
Project Location: W644	インなしのからいが、井くん	133		#						*********		
Sampler Name:												
complet rome.				Fax #:								
FOR LAB USE ONLY			MATRIX	PRESERV.	SAMPLING			<u></u>				
a b .D	Sample I.D.	(G)RAB OR (C)OMP # CONTAINERS	GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: CE / COOL OTHER:	DATE TIME	TPH	ВТЕХ	BTEX Chlorides				
11 5-1	2',	THE REAL PROPERTY.		/h	4	1	1	1			-	
, 5	3,	9			( 41,02			1				
2-5/6/	0	6			9:10			7				
14, 5-2	1,	9		\	21.15							
15 6-2	2	5			) 9:14		_					
162-0	3	60			7154 /	******						
17,5-2	4	30			81.10							
1	E STATE OF THE STA	6			25.50							
19 5-2	8	5			1 9:22					<b> </b>		
2-7/02	lo	8			4:24		_	\	1			
nailyses. All claims including those for no service. In no event shall Cardinal be liab filliates or successors arising out of or re	nailyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless rade in contract or tort, shall be limited to the afrount paid by the client for the sanvice. In no event shall Cardinal be lable for incidental or consequential damages, including what invalidation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, iffilialies or successors arising out of or related to the performance of services frequency by Cardinal, repartless of whether start halm is based upon any of the observable.	ry claim an eemed wai without limi urdinal, rec	sing whether based in contract or ved unless made in writing and re tation, business interruptions, los ardless of whether such claim is t	tort, shall be limited to the ceived by Cardinal within is of use, or loss of profits in	amount paid by the client to 30 days after completion of a nourred by client, its subsidi	r the he applicable aries,	Ů				-	
Relinquished By:	Date:	Rece	Received By:	este about any or and about	Phone Result:	Ħ	Yes	8 8	Add'l Phone #:	#:		
	Time:				REMARKS:		Tes	- 1	Add'l Fax #			
Relinquished By:	Date: ソー/8-17	Recei	Received By:		5							
Delivered By: (Circle One)			mara She		75	Kash						
												•

Sampler - UPS - Bus - Other:

### Page 17 of 18

### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Talon/I PF			
Project Manager:		P.O.#:	ANALYSIS REQUEST
Address: 408 W. Texas Ave.		Company: Talon/LPF	
City: Artesia state: NM	Zip: 88210	- 1	
Phone #: 575-746-8768 Fax #: 575	Fax #: 575-746-8905	Address:	
Project #: Project Owner:		City:	
Project Name: レムナ 凡以 しょん んしょ 井 らん	35	State: Zip:	
Project Location:		#	
Sampler Name:		Fax #:	
FOR LAB USE ONLY	MATRIX	PRESERV SAMPLING	
	S ER R		des
Lab l.D. Sample l.D.	B)RAB OR (C CONTAINER ROUNDWAT ASTEWATER DIL IL LUDGE	***************************************	TPH BTEX IN bri
21 5-2 12		) 	
2 5-3 o	2	d:30	
33 5-3 1'	6   /	0132	
25 5-3 2	9	9:34	
2 2 2	1	9:36	
2 / - 3 / -	, व	1 9:38	
	1	04, 36	
7272	9	323	
2 1-3 10°		16:4	
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 raid by the class two-the-	any claim arising whether based in contract or	tort, shall be limited to the amount paid by the clear to	
analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unders made in withing and received by Cardinal within 30 days after completion of the applicable in no event shall Cardinal be fable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by Client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal regardless of whether each rain is based upon any of the characteristic profits incurred by Client, its subsidiaries,	deemed waived unless made in writing and re g without limitation, business interruptions, los Cardinal, recardless of whether such claim is t	we, some se minute to the amount paid by the client to neeked by Cardinal within 30 days after completion of the sof use, or loss of profits incurred by client, its subsidial reservations are of the about the day of the client of the complete of the c	The resplicable rices.
Relinquished By: Date: Received By:	Received By:	_	sult: ☐ Yes ☐ No Add'l Phone #:
Shortan Arime:	L	REMARKS:	□ Yes □ No
Date: 4-18-17	Received By:		Plash
Delivered By: (Circle One)	100	CHECKED BY:	
Sampler - UPS - Bus - Other:	4.90 Eres Eres	(Initials)	

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

Laboratories

I alouver		ANALYSIS REQUEST
Project Manager:	P.O. #:	
Address: 408 W. Texas Ave.	Company: Talon/LPE	
City: Artesia state: NM zip: 88210		
Phone #: 575-746-8768 Fax #: 575-746-8905	Address:	
Project #: Project Owner:	City:	
Project Name: West Red Lake Whit GC	State: Zip:	
Project Location:	#	
Sampler Name:	##:	
	rax #:	
	PRESERV. SAMPLING	
Sample I.D.	SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER: DA	TPH BTEX Chrido
	/ W/W/2 2	
	1 (" 2'.02	
2-42	7 7:04	
5-43	1 / 2'06	
7-22	1 2:00	
de	1 2:(6	
8	7 ) 2,7	
5-4	/ 2114	
395-412	1 1 246	
- Cubic No. 15: Lucium and Unmages. Cardina's sability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the assistance. All claims including those for negligonous and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable.	tract or tort, shall be limited to the amount paid by the client for the and received by Cardinal within 30 days after completion of the a	ppicable
Siliation or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.	aim is based upon any of the above stated reasons or otherwise.	•
More Time: Received By:	Phone Result: Fax Result: REMARKS:	t:  Yes  No Add'i Phone #:  Yes  No Add'i Fax #:
Relinquished By:  Date:  1 Time:  14:35  MMMA	Makel	P a5n
		-
Sampler - UPS - Bus - Other:  4.96   Wes Pres No   No   No	res TO #75	



May 12, 2017

SHELDON HITCHCOCK

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: WEST RED LAKE UNIT #56

Enclosed are the results of analyses for samples received by the laboratory on 05/05/17 15:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. 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 <a href="https://www.tceq.texas.gov/field/qa/lab">www.tceq.texas.gov/field/qa/lab</a> 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 SHELDON HITCHCOCK 408 W. TEXAS AVE. ARTESIA NM, 88210 (575) 745-8905

Fax To:

05/04/2017

Received: Reported: 05/05/2017

Sampling Date: Sampling Type:

Soil

05/12/2017

Sampling Condition:

\*\* (See Notes)

Project Name: Project Number: WEST RED LAKE UNIT #56 701307.098.01

Sample Received By:

Tamara Oldaker

Project Location:

Analyte

Analyte

K-7-18S-27E

Sample ID: BG-1 6' (H701218-01)

Chloride	SM4500Cl-B
Cilionae,	コートラー

### mg/kg

### Analyzed By: AC

BS % Recovery

104

% Recovery

104

True Value QC

Qualifier

Chloride

Result 1090 Reporting Limit 16.0

Reporting Limit

Reporting Limit

Analyzed 05/09/2017

Analyzed

Method Blank ND

416

400

RPD 0.00

Sample ID: BG-1 8' (H701218-02)

Chloride,	SM4500Cl-B
-----------	------------

mg	1	kg	

### Analyzed By: AC

BS

True Value QC

Chloride

Result 752

05/09/2017 16.0

Method Blank ND

416

400

RPD Qualifier 0.00

Sample ID: BG-1 10' (H701218-03)

Analyte

Chloride, SM4500Cl-B

mg/kg

Analyzed By: AC

Analyzed

Analyzed

05/09/2017

Method Blank BS

% Recovery

104

104

True Value QC

RPD Qualifier

Chloride

Result 352

05/09/2017 16.0

ND

416

400

Sample ID: BG-1 12' (H701218-04)

### Chloride, SM4500Cl-B

### mg/kg

### Analyzed By: AC

Analyte	Result	Reporting Limit
Chloride	368	16.0

Method Blank

ND

BS

416

% Recovery True Value QC

400

RPD 0.00

0.00

Qualifier

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Uability and Demages. 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. 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.

Celeg D. Keene



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

Received:

05/05/2017

Reported:

05/12/2017

Project Name:

WEST RED LAKE UNIT #56

Project Number:

701307.098.01

Project Location:

K-7-18S-27E

Sampling Date:

05/04/2017

Sampling Type:

Soil

Sampling Condition:

\*\* (See Notes)

Sample Received By:

Tamara Oldaker

### Sample ID: BG-2 6' (H701218-05)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	05/09/2017	ND	416	104	400	0.00	
Sample ID: BG-2 8' (H70	1218-06)								
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	05/09/2017	ND	416	104	400	0.00	
Sample ID: BG-2 10' (H7	<b>/</b> 01218-07)								
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC				***************************************	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	05/09/2017	ND	416	104	400	0.00	
Sample ID: BG-2 12' (H7	(01218-08)								
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	05/09/2017	ND	416	104	400	0.00	
Sample ID: BG-3 2' (H70	1218-09)								
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	05/09/2017	ND	416	104	400	0.00	

### Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Ulability and Damages. Cardinal's liability and clerit's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such 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. Kune



TALON LPE SHELDON HITCHCOCK 408 W. TEXAS AVE. ARTESIA NM, 88210 (575) 745-8905

Fax To:

Received:

05/05/2017

Reported:

05/12/2017

Project Name: Project Number: WEST RED LAKE UNIT #56

Project Location:

701307.098.01 K-7-18S-27E

Sampling Date:

05/04/2017

Sampling Type:

Soil

Sampling Condition: Sample Received By: \*\* (See Notes)

Tamara Oldaker

Sample ID: BG-3 4' (H701218-10)

Chloride.	SMAS	COOCI	-R

Chloride

Chloride

Chloride

### mg/kg

### Analyzed By: AC

Analyte

Result 1390 Reporting Limit 16.0

Analyzed 05/09/2017 Method Blank ND

416

BS

% Recovery 104

True Value QC 400

RPD Qualifier

0.00

Sample ID: BG-3 6' (H701218-11)

Chloride, SN	14500CI-B
--------------	-----------

Analyte

n	ıg/	ΚÇ	J	

### Analyzed By: AC

Result Reporting Limit

Analyzed 16.0 05/09/2017 Method Blank ND

BS 416 % Recovery 104

% Recovery

104

True Value QC 400

RPD

0.00

Oualifier

Sample ID: BG-3 8' (H701218-12)

Chloride, SM4500Cl-B

mg/kg

1920

Result

Analyzed By: AC

Analyte

05/09/2017 848 16.0

Reporting Limit

Method Blank ND

BS 416 True Value QC 400

RPD 0.00 Qualifier

Sample ID: BG-3 10' (H701218-13)

Chloride, SM4500Cl-B

Analyte

Analyte

mg/kg

Analyzed By: AC

Result Reporting Limit

Reporting Limit

16.0

Analyzed

Analyzed

05/09/2017

Analyzed

Method Blank

BS

True Value QC % Recovery

RPD

Qualifier

Chloride

Chloride

656

Result

864

05/09/2017 16.0

ND

448

112

% Recovery

112

400

0.00

Sample ID: BG-3 12' (H701218-14)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AC

Method Blank ND

BS 448 True Value OC

400

RPD

0.00

Qualifier

Cardinal Laboratories

\*=Accredited Analyte

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. PLEASE NOTE: Liability and Damages. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder 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



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

Received:

05/05/2017

Sampling Date:

05/04/2017

Reported:

05/12/2017

Sampling Type:

BS

448

Soil

Project Name:

WEST RED LAKE UNIT #56

Sampling Condition: Sample Received By: \*\* (See Notes) Tamara Oldaker

Project Number:

701307.098.01

Project Location: K-7-18S-27E

Sample ID: BG-4 2' (H701218-15)

Chlorida	SM4500CI-B

### mg/kg

### Analyzed By: AC

Analyte

Result Reporting Limit

2920

16.0

Reporting Limit

16.0

Reporting Limit

Reporting Limit

16.0

Reporting Limit

16.0

ND

Method Blank

% Recovery 112

True Value QC

**RPD** Qualifier

0.00

### Sample ID: BG-4 4' (H701218-16)

Chloride,	SM4500Cl-B

mg/kg	
-------	--

### Analyzed By: AC

Result Analyte

Analyzed

Analyzed

05/09/2017

Method Blank

% Recovery

True Value QC

400

RPD Qualifier

Chloride

Chloride

3320

05/09/2017

ND

BS 448

112

400

0.00

Sample ID: BG-4 6' (H701218-17)

### Chloride, SM4500Cl-B

Analyte

Analyte

mg/kg

Analyzed By: AC

Analyzed

Method Blank

BS

True Value QC

Qualifier

Chloride

Result 1360

16.0 05/09/2017

448

RPD

Chloride

Chloride

Result

896

Result

656

ND

BS

448

448

112

% Recovery

400

0.00

### Sample ID: BG-4 8' (H701218-18)

### Chloride, SM4500Cl-B

mg/kg

Analyzed By: AC

Analyzed

05/09/2017

Method Blank

% Recovery

True Value QC

400

400

RPD

Qualifier

mg/kg

Analyzed By: AC

Analyzed

05/09/2017

ND

ND

0.00

0.00

Sample ID: BG-4 10' (H701218-19)

Chloride, SM4500CI-B

Method Blank BS

% Recovery 112

112

True Value QC RPD Qualifier

Cardinal Laboratories

Analyte

\*=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 arry other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder 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 & Kreene



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

Received:

05/05/2017

05/12/2017

Reported: Project Name:

WEST RED LAKE UNIT #56

Project Number:

701307.098.01

Project Location:

K-7-18S-27E

Sampling Date:

05/04/2017

Sampling Type:

Soil

Sampling Condition:

\*\* (See Notes)

Sample Received By:

Tamara Oldaker

Sample ID: BG-4 12' (H701218-20)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AC

Analyte

Reporting Limit Result

512

05/09/2017

16.0

Reporting Limit

Reporting Limit

Analyzed

Analyzed

ND

Method Blank

Method Blank

ND

BS 448 % Recovery 112

True Value QC 400

RPD

Qualifier

Sample ID: BG-5 2' (H701218-21)

Chloride, SM4500Cl-B

Analyte

Analyte

Analyte

mg/kg

Analyzed By: AC

% Recovery

0.00

0.00

Qualifier

Chloride

Chloride

4640

Result

16.0 05/09/2017

448

BS

112

True Value OC 400

RPD

Sample ID: BG-5, 4' (H701218-22)

Chloride, SM4500Cl-B

mg/kg

Analyzed By: AC

Analyzed

Method Blank

% Recovery

True Value QC

RPD

Qualifier

Chloride

Result 5360

Result

Result

2760

16.0

ND

05/09/2017

BS 448

112

400

0.00

Sample ID: BG-5 6' (H701218-23)

Chloride, SM4500Cl-B

mg/kg

Analyzed By: AC

% Recovery

True Value QC

RPD

Chloride

Chloride

1840

Reporting Limit 16.0

Reporting Limit

16.0

daim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Analyzed 05/09/2017

05/09/2017

Method Blank ND

BS 448

112

400

0.00

Qualifier

Sample ID: BG-5 8' (H701218-24)

Chloride, SM4500Cl-B

mg/kg

Analyzed By: AC

ND

112

400

Analyte

Analyzed Method Blank

BS

448

True Value OC % Recovery

RPD

0.00

Oualifier

Cardinal Laboratories

\*=Accredited Analyte

All claims, including those for negligence and 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. 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 conseque 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

Celey D. Keene



TALON LPE SHELDON HITCHCOCK 408 W. TEXAS AVE. ARTESIA NM, 88210

Fax To:

(575) 745-8905

Received:

05/05/2017

Reported:

05/12/2017

Project Name: Project Number: WEST RED LAKE UNIT #56

Project Location:

K-7-18S-27E

701307.098.01

Sampling Date:

05/05/2017

Sampling Type:

Soil

Sampling Condition:

\*\* (See Notes)

Sample Received By:

Tamara Oldaker

### Sample ID: BG-5 10' (H701218-25)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC				~~~	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2800	16.0	05/09/2017	ND	448	112	400	0.00	

### Sample ID: BG-5 12' (H701218-26)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2560	16.0	05/09/2017	ND	448	112	400	0.00	

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 urless 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 dalm 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



### **Notes and Definitions**

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

\*\*\* Insufficient time to reach temperature.

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

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

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Ulability 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 waved 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 diamages, 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 daims 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



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

(575) 393-2326 FAX (575) 393-2476	476		AN	ANALYSIS REQUEST
Company Name: Talon/LPE		en de la constante de la const	And the second s	
EN		F.C. #:		
. Texas Ave.		Company:   alOII/LFC		
		Attn:		
-746-8768	Fax #: 575-746-8905	Address:		
	Lime Row	City:		
ame: 1.1ch+ Red Lap		State: Zip:		
		Phone #:		
		1	-5	
-   "	MATRIX	PRESERV SAMPLING	l c	
FOR LAB USE ONLY	R	~	nid	
Lab I.D. Sample I.D.	B OR (C) ITAINERS INDWATE EWATER	er : /base: cool er : <i>Non</i>	í hla	
	CON	OTHE DATE	TIME	
1101010 86-16		1/54/17 7:	30 /	
_	€ -	1	(75 )	
2 3/2-10	9		37.70	
2/1/	6	2	31,35	
2-29	61	100. K	80	
6 17/-7/8	9	, ,		
7 34-2 0	9	2.6		
8 96-212	0	01 26	0:20	
9 86-3 2	09	8	8:25 /	
The case works: I white and Damages, Cardinal's lability and client's exclusive remady for any claim arising whether based in contract or tort, shall be limited to the angunt paid by the client for the angunt p	edy for any claim arising whether based in contra	act or tort, shall be limited to the amount paid by the	e client for the letton of the applicable	
PLEASE NO.11. Lucury and Proceedings of the Control	shall be deemed waived unless made in whing a including without smittation, business interruption that it is a smith that it is not the smith that it is not	is, loss of use, or loss of profits incurred by client. In it based upon any of the above stated reasons.		Ad' Drone #:
Relinquished By:    Relinquished By:	Received By:	Date: Received By: Fax Result:	☐ Yes ☐ No	Add'l Fax #:
Olanda Alan Time:		RE	REMARKS:	
Relinquished By: Date: 5-5-	Received By:		,	
Myles Time: 3:3:3:3:3:3:3:3:3:3:3:3:3:3:3:3:3:3:3		Hition CHECKEO BY:		
Belivered By: (Circle One)		1		
Sampler - UPS - Bus - Other:	0870 FNO 1	No 1.C. # NO		
		11111 200 00000		



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

(5/5) 393-2320 FMX (J	2) 000 1.1.0	And the second control of the second control	ANALYSIS REQUEST
Company Name: Talon/LPE			- 1
Project Manager: 5, Hit Ch COCK		. 1	
Address: 408 W. Texas Ave.		Company:   dIUII/LFL	
	State: NM Zip: 88210	Attn:	
-746-8768	Fax #: 575-746-8905	Address:	
	Project Owner: Lime Rock	City:	
Project Name: WEST Red Lake	のる林だいの	State: Zip:	
		Phone #:	
Sampler Name: 5. Hitch Cach			
1	MATRIX	PRESERV! SAMPLING	
Control on the second	ERS ATER	Nonc	<i>Pri</i>
Lab I.D. Sample I.D.	E)RAB OR CONTAINI ROUNDW VASTEWAT OIL OIL	OTHER: CID/BASE CE / COOL OTHER: DATE TIME	Ch
TIDIAIO R. 3/			
5 5/ 2 4	6	/ / 8:35	
0 5-72 6	6	8:40	
14 .6 6-3 12	6	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	
S R6-4 2	6	1000	
16 BG-4 4	6 /	10,10	
17106-4 6	, 9	31,01	
8 1-36	7	1 10:26	
20 B 7 - 0 1.2	ତ	1 ( ) 10825	
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's acclusive remody for any obtain arising whether based in contract or bot, shall be limited to the amount paid by the cent of the application of the application of the property of the p	nt's exclusive remedy for any claim arising whether based in contracts exclusive remedy for any claim arising whether based in writing	ract or tort, shall be limited to the amount paid by the circle was and received by Cardinal within 30 days after completion of the and received by Cardinal within 30 days after completion of the and received by Circle within the circle was a complete or the circle within the circle was a complete or circle was a complet	e applicable des.
service. In no event shall Cardinal be liable for incidental or consequental damages, including without simulation, usualizes and the shaked upon any of the above stated reasons or otherwise shaked reasons or otherwise.    Phone Resultation or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.	nsequental damages, including without annuauur, unauters interior by the above stated no of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated no.	aim is based upon any of the above stated reasons or otherwise.  Phone Result:	"
	Time:	Fax Result: REMARKS:	S .
Relinquished By:	Date: Received By:	6116	♦
Jan Mais	Time; 35 Munara	LAROLL PC	
Delivered By: (Circle One)	18 g S	7	
Sampler - UPS - Bus - Other:	2850 Dies Dies	N. H. J. C. B. S.	
	m	+- (E7E) 202_229E	



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

(575) 393-2326 FAX (575) 393-24/6		ANALYSIS REQUEST	
company Name: Talon/LPE		- 1	
	P.O. #		
Texas Ave.	Company:   alon/LPE		
	Attn:		
Phone #: 575-746-8768 Fax #: 575-746-8905	Address:		
	City:		
ame: NOS+ ROLLA	State: Zip:		
	Phone #:		
2	1		
- " «	PRESERV. SAMPLING		
RS TER	»ne	ori	
)RAB OR (CONTAINER ROUNDWATE ASTEWATE DIL	THER: CID/BASE: DE / COOL THER: V	Chla	
- # - # - V	7 5/6/17	1:36	
DG.		11:35	
06-27		13.00	
		1.05	
D.		100	
2		(1.44.)	
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 firsted to the amount paid by the client for the 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 firsted to the amount paid by the client for the	act or tort, shall be limited to the amount paid by the received by Cardinal within 30 days after coming to the control of the	e clent for the pleton of the applicable	
analyses. All claims including those for negligence and any outer clause wisewording without limitation, business interruptions, loss of use, or loss of posts incurred by claim, its successions. All claims including those for negligence and any other stated reasons or otherwise.  Service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of posts incurred by claim, its successions.	s, loss of use, or loss of profits incurred by client, i m is based upon any of the above stated reasons	D V22	
affiliates or successors arising out of or related to the performance of survices references of the Received By:  Relinquished By:	Fa	Yes   No	
Time:	RE	REMARKS:	
Relinquished By:			
This Seign	CHECKED BY:		
Con Con			
Sampler - UPS - Bus - Other:	No Aria		
***************************************	+~ (ETE) 202_236		