

August 8, 2012

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

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

ARTESIA
408 West Texas Ave.
Artesia, New Mexico 88210
Phone 575.746.8768
Fax 575.746.8905

Subject: **Soil Assessment and Remediation Work Plan**
Legacy Reserves Operating, LP
South Red Lake II Unit No. 37
30-015-00715 2RP-1231

AUSTIN
911 West Anderson Lane
Suite 202
Austin, Texas 78757
Phone 512.989.3428
Fax 512.989.3487

Dear Mr. Bratcher,

HOBBS
318 East Taylor Street
Hobbs, New Mexico 88240
Phone 575.393.4261
Fax 575.393.4658

Legacy Reserves Operation, LP has contracted Talon/LPE (Talon) to perform soil assessment and remediation services at the referenced South Red Lake II Unit No. 37 location. Our soil sampling results and proposed remediation activities consist of the following:

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

Incident Date

June 25, 2012

SAN ANTONIO
11 Commercial Place
Schertz, Texas 78154
Phone 210.265.8025
Fax 210.568.2191

Background Information

The South Red Lake II Unit No. 37 is located approximately thirteen (13) miles southeast of Artesia, New Mexico. The legal location for the site is Section 1, Township 18 South and Range 27 East in Eddy County, New Mexico. More Specifically the latitude and longitude for the release are 32.78253 North and -104.23978 West.

TULSA
525 South Main Street
Suite 535
Tulsa, Oklahoma 74103
Phone 918.742.0871
Fax 918.382.0232

According to the soil survey provided by the United States Department of Agriculture National Resources Conservation Services, the soil in this area is made up of Largo-Stony land complex soils with 0 to 25 percent slopes. The local surface and shallow geology, Quaternary Age sedimentary deposits, is comprised of older alluvial deposits of upland plains and piedmont areas which include calcareous alluvium and silty loamy soils underlain by hard caliches. Drainage courses in this area are normally dry. The New Mexico State Engineer web site indicates the nearest ground water data to be in S10-T18S-R27E. The ground water in Section 10 is reported to be at depth of 50' below ground surface (bgs). The referenced groundwater data is presented in Appendix I.

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

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

ENVIRONMENTAL CONSULTING
ENGINEERING
DRILLING
CONSTRUCTION
SPILL MANAGEMENT
GENERAL CONTRACTING

Toll Free: 866.742.0742
www.talonlpe.com

Incident Description

On June 25, 2012 a leak was found on a 2" steel line that feeds the injection well at the South Red Lake II Unit No. 37. A release of 4 to 5 barrels of produced water is estimated. The well was shut-in, the line repaired and brought back into service. There were no fluids recovered. The release traveled north and east of the well, measuring approximately 30-feet by 50-feet in diameter.

Actions Taken

On July 12, 2012 Talon mobilized personnel to begin the assessment and soil sampling for the construction of a work plan. The soil samples were collected from the impacted area using a backhoe.

The soil sample was collected by Talon personnel wearing clean nitrile gloves. The samples were placed in a laboratory provided sample container and transported to Cardinal Laboratories in Hobbs, New Mexico for analysis. The samples were tested for total chlorides via Method SM4500Cl-B. The complete laboratory report is attached as Appendix II.

Analytical Results

Analytical results received from Cardinal Laboratories are summarized below:

July 19, 2012

<u>Sample</u>	<u>Depth</u>	<u>Chlorides (mg/kg)</u>
S-1	0'	33,600
	1'	6,400
	2'	1,280
	3'	1,880
	4'	3,240
S-2	0'	30,000
	1'	13,400
	2'	4,560
	3'	1,520
	4'	432
	5'	1,250
	7'	6,160
	9'	10,000
	11'	7,120
13'	2,720	
S-3	0'	2,720
	1'	3,000
	2'	3,720
	3'	3,600

<u>Sample</u>	<u>Depth</u>	<u>Chlorides mg/kg</u>
S-3	4'	2,960
	5'	2,160
	7'	2,480
	9'	2,120
	11'	1,060
S-4	0'	336
	1'	2,280
	2'	3,920
	3'	3,040
	4'	1,920
	5'	3,440
	7'	2,040
S-5	0'	37,200
	1'	800
	2'	2,000
	3'	2,960
	4'	3,360
	5'	3,200
	7'	2,640
	9'	1,920
	11'	1,520

Proposed Remedial Actions

- The impacted soil will be excavated to a depth of 4-feet and transported to an NMOCD approved solid waste disposal facility.
- Confirmation samples will be collected from the sidewalls of the excavation and presented to the OCD for permission to complete excavation activities.
- Upon completion of excavation activities, a 20 mil. liner will be placed into the bottom of excavated area. The excavated area will be backfilled back to grade using new material transported from a local borrow pit and will be contoured to match the surrounding location.
- A final report documenting all field activities and lab reports will be provided to the NMOCD Artesia Office including Form C-141.

If we can provide additional information or be of further assistance please contact our office at 575.746.8768.

Respectfully submitted,

TALON/LPE

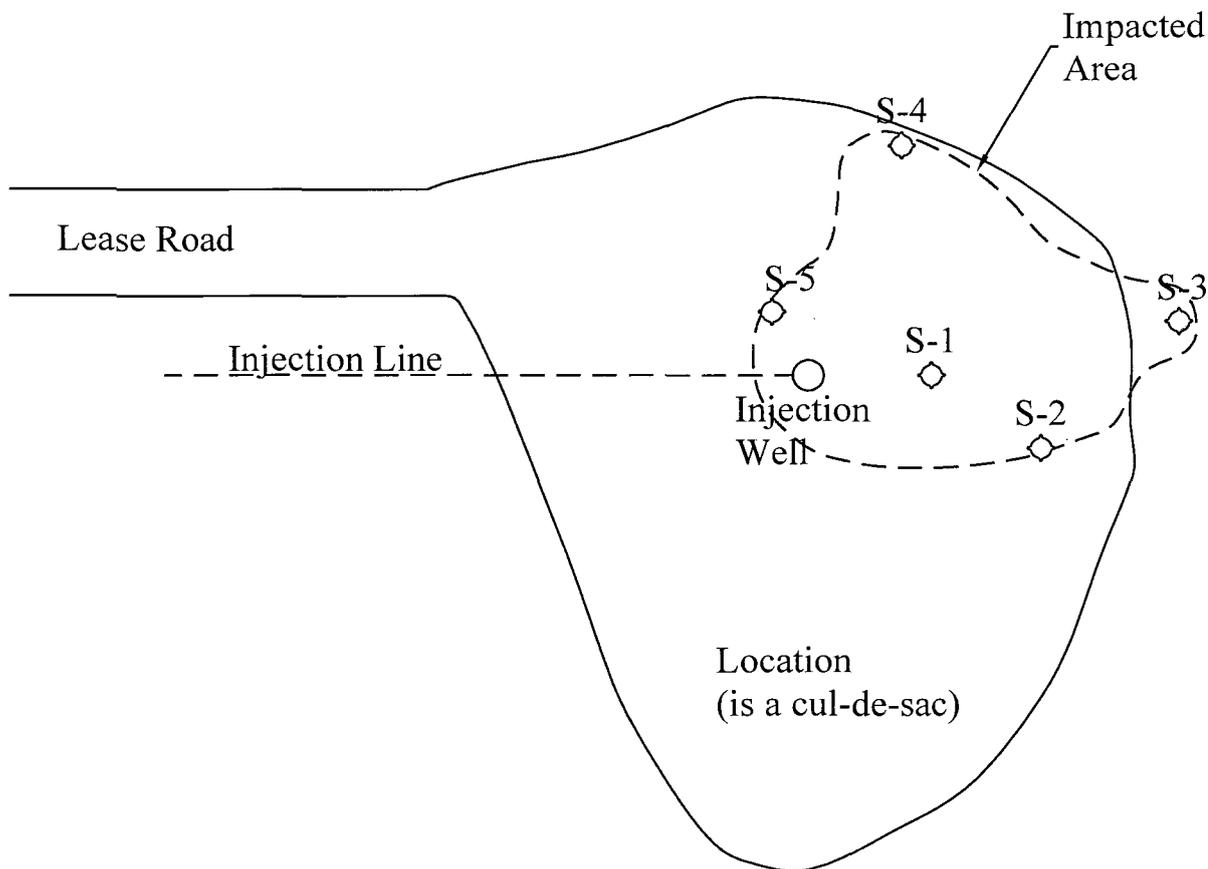
Handwritten signature of Kimberly M. Wilson in cursive script.

Kimberly M. Wilson
Environmental Scientist

Handwritten signature of David J. Adkins in cursive script.

David J. Adkins
District Manager

SITE MAP



Legend
◇ - Sample Location



Date: 08/08/2012

Scale: NTS

Drawn By: TJS

South Red Lake #37
Legacy Reserves Operating, L.P.
Artesia, New Mexico
Figure 1 - Site Plan

APPENDIX I
GROUNDWATER DATA
INITIAL C-141



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is closed)

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Code	Subbasin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
<u>RA 04561</u>			ED	4	2	26	17S	27E		570871	3630142*	2728	250		
<u>RA 03917</u>			LE	4	1	2 10	18S	27E		569019	3625660*	2812	130	50	80
													Average Depth to Water:		50 feet
													Minimum Depth:		50 feet
													Maximum Depth:		50 feet

Record Count: 2

UTMNAD83 Radius Search (in meters):

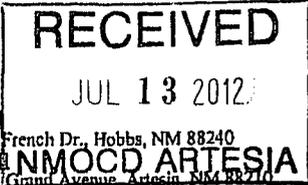
Easting (X): 571202

Northing (Y): 3627434

Radius: 3000

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.



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

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised October 10, 2003

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

Release Notification and Corrective Action

OPERATOR Initial Report Final Report

Name of Company - Legacy Reserves Operating, LP	Contact: Berry Johnson
Address - PO box 10848, Midland, TX 79702-7848	Telephone No. : 432-689-5200
Facility Name - South Red Lake II Unit #37	Facility Type: WIW
Surface Owner:	Mineral Owner: Federal
Lease No. API # 30-015-00715	

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
D	1	18S	27E	330'	North	330'	West	Eddy

Latitude 32.78253 N Longitude -104.23978 W

NATURE OF RELEASE

Type of Release: <u>Produced Water</u>	Volume of Release <u>4-5 bbls</u>	Volume Recovered <u>-0- bbls</u>
Source of Release : <u>2" steel line</u>	Date and Hour of Occurrence <u>6/25/2012</u>	Date and Hour of Discovery <u>6/25/2012</u>
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? <u>BLM</u>	
By Whom?	Date and Hour	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	
If a Watercourse was impacted, Describe Fully.*		
Describe Cause of Problem and Remedial Action Taken.* There was a leak at the 2" steel line that feeds injection well. No water was recovered, the well was shut in, the line was repaired and brought back into service.		
Describe Area Affected and Cleanup Action Taken.* The affected area was about 30' X 50' just east and south of the well. There was a small amount of mist that settled northeast of the location. Talon/LPE has been contracted to complete site assessment and work plan activities.		
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.		
Signature: <u>Sharon Bowersock</u>	OIL CONSERVATION DIVISION	
Printed Name: <u>Sharon Bowersock</u>	Approved by District Supervisor:	
Title: <u>Eng./Regulatory Tech</u>	Approval Date:	Expiration Date:
E-mail Address: <u>sbowersock@legacyp.com</u>	Conditions of Approval:	Attached <input type="checkbox"/>
Date: <u>07/13/2012</u> Phone: <u>(432)689-5200</u>		

* Attach Additional Sheets If Necessary

APPENDIX II
LABORATORY RESULTS

July 19, 2012

DAVID ADKINS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: SOUTH RED LAKE #37

Enclosed are the results of analyses for samples received by the laboratory on 07/16/12 15:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

Received:	07/16/2012	Sampling Date:	07/12/2012
Reported:	07/19/2012	Sampling Type:	Soil
Project Name:	SOUTH RED LAKE #37	Sampling Condition:	** (See Notes)
Project Number:	701047.053.01	Sample Received By:	Jodi Henson
Project Location:	D-1-18S-27E		

Sample ID: S - 1 0' (H201621-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	33600	16.0	07/18/2012	ND	416	104	400	0.00		

Sample ID: S - 1 1' (H201621-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6400	16.0	07/18/2012	ND	416	104	400	0.00		

Sample ID: S - 1 2' (H201621-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1280	16.0	07/18/2012	ND	416	104	400	0.00		

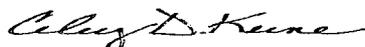
Sample ID: S - 1 3' (H201621-04)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1880	16.0	07/18/2012	ND	416	104	400	0.00		

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*=Accredited Analyte

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 Fax To: (575) 745-8905

Received:	07/16/2012	Sampling Date:	07/12/2012
Reported:	07/19/2012	Sampling Type:	Soil
Project Name:	SOUTH RED LAKE #37	Sampling Condition:	** (See Notes)
Project Number:	701047.053.01	Sample Received By:	Jodi Henson
Project Location:	D-1-18S-27E		

Sample ID: S - 1 4' (H201621-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3240	16.0	07/18/2012	ND	416	104	400	0.00		

Sample ID: S - 2 0' (H201621-06)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	30000	16.0	07/18/2012	ND	416	104	400	0.00		

Sample ID: S - 2 1' (H201621-07)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	13400	16.0	07/18/2012	ND	416	104	400	0.00		

Sample ID: S - 2 2' (H201621-08)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4560	16.0	07/18/2012	ND	416	104	400	0.00		

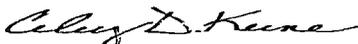
Sample ID: S - 2 3' (H201621-09)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1520	16.0	07/18/2012	ND	416	104	400	0.00		

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*—Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	07/16/2012	Sampling Date:	07/12/2012
Reported:	07/19/2012	Sampling Type:	Soil
Project Name:	SOUTH RED LAKE #37	Sampling Condition:	** (See Notes)
Project Number:	701047.053.01	Sample Received By:	Jodi Henson
Project Location:	D-1-18S-27E		

Sample ID: S - 2 4' (H201621-10)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	432	16.0	07/18/2012	ND	416	104	400	0.00		

Sample ID: S - 2 5' (H201621-11)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1250	16.0	07/18/2012	ND	416	104	400	0.00		

Sample ID: S - 2 7' (H201621-12)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6160	16.0	07/18/2012	ND	416	104	400	0.00		

Sample ID: S - 2 9' (H201621-13)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	10000	16.0	07/18/2012	ND	416	104	400	0.00		

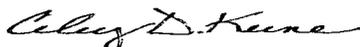
Sample ID: S - 2 11' (H201621-14)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7120	16.0	07/18/2012	ND	416	104	400	0.00		

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* = Accredited Analyte

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Received:	07/16/2012	Sampling Date:	07/12/2012
Reported:	07/19/2012	Sampling Type:	Soil
Project Name:	SOUTH RED LAKE #37	Sampling Condition:	** (See Notes)
Project Number:	701047.053.01	Sample Received By:	Jodi Henson
Project Location:	D-1-18S-27E		

Sample ID: S - 2 13' (H201621-15)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2720	16.0	07/18/2012	ND	416	104	400	0.00		

Sample ID: S - 3 0' (H201621-16)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	10300	16.0	07/18/2012	ND	416	104	400	0.00		

Sample ID: S - 3 1' (H201621-17)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3000	16.0	07/18/2012	ND	416	104	400	0.00		

Sample ID: S - 3 2' (H201621-18)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3720	16.0	07/18/2012	ND	416	104	400	0.00		

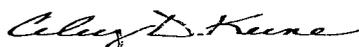
Sample ID: S - 3 3' (H201621-19)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3600	16.0	07/18/2012	ND	416	104	400	0.00		

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 Fax To: (575) 745-8905

Received:	07/16/2012	Sampling Date:	07/12/2012
Reported:	07/19/2012	Sampling Type:	Soil
Project Name:	SOUTH RED LAKE #37	Sampling Condition:	** (See Notes)
Project Number:	701047.053.01	Sample Received By:	Jodi Henson
Project Location:	D-1-18S-27E		

Sample ID: S - 3 4' (H201621-20)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2960	16.0	07/18/2012	ND	416	104	400	0.00		

Sample ID: S - 3 5' (H201621-21)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2160	16.0	07/18/2012	ND	416	104	400	0.00		

Sample ID: S - 3 7' (H201621-22)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2480	16.0	07/18/2012	ND	416	104	400	0.00		

Sample ID: S - 3 9' (H201621-23)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2120	16.0	07/18/2012	ND	416	104	400	0.00		

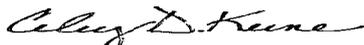
Sample ID: S - 3 11' (H201621-24)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1060	16.0	07/18/2012	ND	416	104	400	0.00		

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	07/16/2012	Sampling Date:	07/12/2012
Reported:	07/19/2012	Sampling Type:	Soil
Project Name:	SOUTH RED LAKE #37	Sampling Condition:	** (See Notes)
Project Number:	701047.053.01	Sample Received By:	Jodi Henson
Project Location:	D-1-18S-27E		

Sample ID: S - 4 0' (H201621-25)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	07/18/2012	ND	416	104	400	0.00		

Sample ID: S - 4 1' (H201621-26)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2280	16.0	07/18/2012	ND	416	104	400	0.00		

Sample ID: S - 4 2' (H201621-27)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3920	16.0	07/18/2012	ND	416	104	400	0.00		

Sample ID: S - 4 3' (H201621-28)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3040	16.0	07/18/2012	ND	416	104	400	0.00		

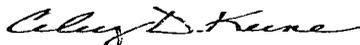
Sample ID: S - 4 4' (H201621-29)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1920	16.0	07/18/2012	ND	416	104	400	0.00		

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	07/16/2012	Sampling Date:	07/12/2012
Reported:	07/19/2012	Sampling Type:	Soil
Project Name:	SOUTH RED LAKE #37	Sampling Condition:	** (See Notes)
Project Number:	701047.053.01	Sample Received By:	Jodi Henson
Project Location:	D-1-18S-27E		

Sample ID: S - 4 5' (H201621-30)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3440	16.0	07/18/2012	ND	416	104	400	0.00		

Sample ID: S - 4 7' (H201621-31)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2040	16.0	07/18/2012	ND	416	104	400	0.00		

Sample ID: S - 5 0' (H201621-32)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	37200	16.0	07/18/2012	ND	416	104	400	0.00		

Sample ID: S - 5 1' (H201621-33)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	800	16.0	07/18/2012	ND	416	104	400	0.00		

Sample ID: S - 5 2' (H201621-34)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2000	16.0	07/18/2012	ND	416	104	400	0.00		

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Analytical Results For:

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

Received:	07/16/2012	Sampling Date:	07/12/2012
Reported:	07/19/2012	Sampling Type:	Soil
Project Name:	SOUTH RED LAKE #37	Sampling Condition:	** (See Notes)
Project Number:	701047.053.01	Sample Received By:	Jodi Henson
Project Location:	D-1-18S-27E		

Sample ID: S - 5 3' (H201621-35)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2960	16.0	07/18/2012	ND	416	104	400	0.00		

Sample ID: S - 5 4' (H201621-36)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3360	16.0	07/18/2012	ND	416	104	400	0.00		

Sample ID: S - 5 5' (H201621-37)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3200	16.0	07/18/2012	ND	400	100	400	3.92		

Sample ID: S - 5 7' (H201621-38)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2640	16.0	07/18/2012	ND	400	100	400	3.92		

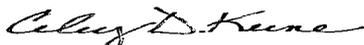
Sample ID: S - 5 9' (H201621-39)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1920	16.0	07/18/2012	ND	400	100	400	3.92		

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	07/16/2012	Sampling Date:	07/12/2012
Reported:	07/19/2012	Sampling Type:	Soil
Project Name:	SOUTH RED LAKE #37	Sampling Condition:	** (See Notes)
Project Number:	701047.053.01	Sample Received By:	Jodi Henson
Project Location:	D-1-18S-27E		

Sample ID: S - 5 11' (H201621-40)

Chloride, SM4500Cl-B

mg/kg

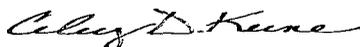
Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1520	16.0	07/18/2012	ND	400	100	400	3.92	

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Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit .
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: <i>Talon/LPE</i>		BILL TO:		ANALYSIS REQUEST																							
Project Manager: <i>David Adkins</i>		P.O. #:		<i>Total Chlorides</i>																							
Address: <i>408 W. Texas</i>		Company: <i>Talon/LPE</i>																									
City: <i>Artesia</i> State: <i>NM</i> Zip: <i>88210</i>		Attn:																									
Phone #: <i>575-746-8968</i> Fax #: <i>575-746-8905</i>		Address:																									
Project #: <i>701047.053.01</i> Project Owner: <i>Legacy</i>		City:																									
Project Name: <i>S. Red Lake #37</i>		State: Zip:																									
Project Location: <i>D-1-185-27E</i>		Phone #:																									
Sampler Name: <i>Kimberly M. Wilson</i>		Fax #:																									
FOR LAB USE ONLY																											
Lab I.D.	Sample I.D.	# CONTAINERS	(S/RAB OR COMP.)													GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME	
<i>H201621</i>																											
<i>21</i>	<i>S-3 5'</i>	<i>5</i>				<i>/</i>							<i>7-12-12</i>	<i>12:40</i>	<i>/</i>												
<i>22</i>	<i>S-3 7'</i>	<i>5</i>				<i>/</i>							<i>7-12-12</i>	<i>12:47</i>	<i>/</i>												
<i>23</i>	<i>S-3 9'</i>	<i>5</i>				<i>/</i>							<i>7-12-12</i>	<i>12:55</i>	<i>/</i>												
<i>24</i>	<i>S-3 11'</i>	<i>5</i>				<i>/</i>							<i>7-12-12</i>	<i>1:00</i>	<i>/</i>												
<i>25</i>	<i>S-4 0'</i>	<i>5</i>				<i>/</i>							<i>7-12-12</i>	<i>1:30</i>	<i>/</i>												
<i>26</i>	<i>S-4 1'</i>	<i>5</i>				<i>/</i>							<i>7-12-12</i>	<i>1:35</i>	<i>/</i>												
<i>27</i>	<i>S-4 2'</i>	<i>5</i>				<i>/</i>							<i>7-12-12</i>	<i>1:39</i>	<i>/</i>												
<i>28</i>	<i>S-4 3'</i>	<i>5</i>				<i>/</i>							<i>7-12-12</i>	<i>1:43</i>	<i>/</i>												
<i>29</i>	<i>S-4 4'</i>	<i>5</i>				<i>/</i>							<i>7-12-12</i>	<i>1:47</i>	<i>/</i>												
<i>30</i>	<i>S-4 5'</i>	<i>5</i>				<i>/</i>							<i>7-12-12</i>	<i>2:00</i>	<i>/</i>												

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Relinquished By: <i>Kimberly M. Wilson</i>	Date: <i>7/16/12</i> Time: <i>2:30 p</i>	Received By: <i>Mick Stuppell</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By: <i>Mick Stuppell</i>	Date: <i>7/16/12</i> Time: <i>3:50</i>	Received By: <i>Jodi Benson</i>	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other: <i>Other</i>	Sample Condition Cool Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CHECKED BY: <i>JTB</i>	REMARKS:	

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

#26

