

NOT APPROVED

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**Work Plan
Lime Rock Resources II-A, L.P.:**

North Vacuum Abo North Unit (NVANU) #1 Battery

June 6, 2016

Prepared By:

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

Prepared For:

Lime Rock Resources II-A, L.P.

Mr. Jamie Keyes
NMOCD District 1
1625 N. French Dr.
Hobbs, NM 88240

Subject: **Soil Assessment and Remediation Work Plan**
Lime Rock Resources II-A, L.P.
North Vacuum Abo North Unit (NVANU) #1 Battery
API # 30-025-24220

Dear Mr. Keyes,

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

Site Information

The NVANU #01 Battery is located approximately fifteen (15) miles west of Lovington, New Mexico. The legal location for this release is Unit Letter N, Section 2, Township 17 South and Range 34 East in Lea County, New Mexico. More specifically the latitude and longitude for the release are 32.8586617 North and -103.533493 West. A site plan is presented in [Appendix I](#).

According to the soil survey provided by the United States Department of Agriculture National Resources Conservation Services, the soil in this area is made up of Kimbrough-Lea land complex. Per the New Mexico Bureau of Geology and Mineral Resources, the local surface and shallow geology is comprised of calcareous-loamy alluvium and calcareous-loamy eolian sands which includes silty soils underlain by sedimentary rock and hard caliche. Drainage courses in this area are normally dry.

Ground Water and Site Ranking

The New Mexico State Engineer web site indicates the nearest ground water data to be in S10-T17S-R34E. The ground water in Section **10** is reported to be at depth of 92' below ground surface (bgs). See [Appendix II](#) for the referenced groundwater data.

Therefore the ranking for this site is a **10** based on the following:

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

Based upon the site ranking of **10**, NMOCD Recommended Remedial Action Levels (RRAL) are 50 mg/kg for BTEX, 10 mg/kg for Benzene, 1,000 mg/kg for TPH and 1,000 mg/kg for total chlorides. See [Appendix II](#).

Incident Description and Initial Remedial Actions

On March 15, 2016 Talon personnel met with Amber Groves from the New Mexico State Land Office (NMSLO) and Eddie Elliott with Lime Rock Resources at the NVANU #1 Battery to discuss the concerns of the State Land Office. See initial C-141 in [Appendix III](#).

A site assessment and soil sampling activities for the construction of a work plan was performed. During our site assessment no obvious noxious or undesirable weeds such as African rue, Russian thistle, etc. were noted. Grab soil samples were collected utilizing a hand auger to a depth of 1.5' below ground surface where refusal was encountered.

An air rotary drill rig was then mobilized for further vertical delineation of the impacted area. Vertical delineation sampling was carried out April 12, 2016. Laboratory results are presented below.

Laboratory Results

See [Appendix IV](#) for complete report of laboratory results.

March 24, 2016

Sample ID	Depth (feet)	BTEX (mg/kg)	Chlorides (mg/kg)	TPH (mg/kg) GRO	TPH (mg/kg) DRO
S-4	0'	<0.300	3200	<10	<10
	1'	<0.300	6240	<10	<10
Refusal	1.5'	<0.300	7280	<10	<10

April 21, 2015

Sample ID	Depth (feet)	BTEX (mg/kg)	Chlorides (mg/kg)	TPH (mg/kg) GRO	TPH (mg/kg) DRO
B-1 / S-4	5'	--	736	--	--
	10'	--	1380	--	--
	15'	--	688	--	--
	20'	--	320	--	--
	25'	--	16	--	--
	30'	--	<16	--	--

Proposed Remedial actions

- The impacted area will be excavated down to the rock shelf, estimated to be at a depth of 2-feet deep. A confirmation sample will be obtained at 2-feet deep to verify NMOCD RRAL's have been achieved. All of the excavated material will be hauled to an NMOCD approved solid waste disposal facility.
- The excavated area will be backfilled with locally obtained soil. The backfilled area in the pasture will be contoured to match the surrounding terrain and left in a "rough" condition to approximate natural surface deviations, control erosion, and promote revegetation.
- The area will be seeded with the NMSLO recommended seed mixture for the area. Immediately following preparation of the site, a Culti-Pack Seed Drill will be utilized to plant 1 acre of BLM #2.
- The site will be monitored by Lime Rock Resources personnel to insure proper revegetation is achieved. The NMSLO policy stated the goal is to obtain native plant cover and diversity levels that are equal to or exceeding natural potential levels.
- A final closure report documenting all remedial actions, analytical results, final C-141 and seeding label will be provided to the New Mexico State Land Office (NMSLO) and NMOCD Hobbs Office along with the Revegetation Forms.

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

Respectfully submitted,

TALON/LPE



Kimberly M. Wilson
Project Manager



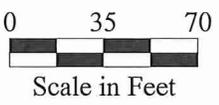
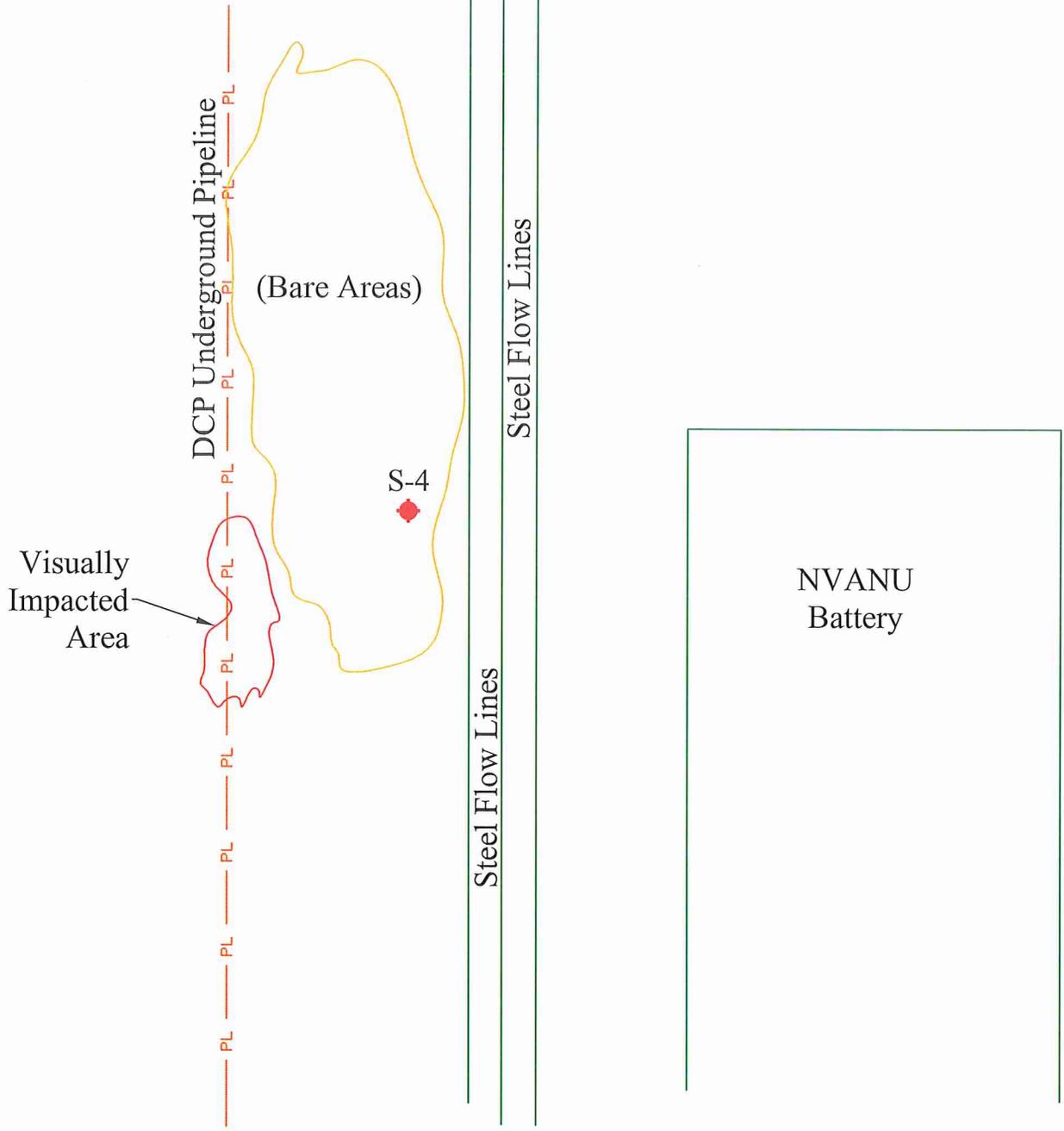
David J. Adkins
District Manager

Attachments:

- Appendix I Site Plan
- Appendix II Groundwater Data
- Appendix III Initial C-141
- Appendix IV Laboratory Results

APPENDIX I

SITE MAP



Legend	
	- Sample Location
	- Pipeline



Date: 05/17/2016
 Scale: 1" = 70'
 Drawn By: TJS

NVANU #1 Battery
 Lime Rock Resources
 Lea County, New Mexico
 Figure 1 - 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 Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
L 03241	L	LE		2	2	10	17S	34E		636425	3636145*	584	122	92	30
L 06134	L	LE		2	4	03	17S	34E		636411	3636949*	710	175	95	80
L 03011	L	LE				02	17S	34E		637425	3637158*	865	121	80	41
L 05806	L	LE		2	2	11	17S	34E		638036	3636179*	1148	155	105	50
L 02749	L	LE		4	2	11	17S	34E		638043	3635776*	1310	150	85	65
L 06074	L	LE		2	2	03	17S	34E		636395	3637753*	1401	172	95	77
L 06771	L	LE		1	1	1	12	17S	34E	638338	3636287*	1426	165	86	79
L 03846 X	L	LE		3	3	11	17S	34E		636847	3634945*	1510	200	130	70
L 06894	L	LE		1	4	1	10	17S	34E	635524	3635825*	1532	175	103	72
L 06766	L	LE		4	1	1	12	17S	34E	638538	3636087*	1658	160	90	70
L 06752	L	LE		4	4	4	10	17S	34E	636542	3634836*	1661	170	55	115
L 03846 X2	L	LE		1	1	14	17S	34E		636853	3634543*	1912	200	90	110

Average Depth to Water: **92 feet**

Minimum Depth: **55 feet**

Maximum Depth: **130 feet**

Record Count: 12

UTMNAD83 Radius Search (in meters):

Easting (X): 636921

Northing (Y): 3636454

Radius: 2000

*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.

APPENDIX III

INITIAL C-141

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

OPERATOR Initial Report Final Report

Name of Company : LIME ROCK RESOURCES II-A, LP	Contact : Mike Barrett
Address : 1111 Bagby Street Suite 4600, Houston ,TX 77002	Telephone No. : 575-365-9724
Facility Name : North Vacuum Abo North Unit #1	Facility Type: Battery

Surface Owner : State	Mineral Owner:	Lease No. 30-025-24220
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LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County Eddy
N	2	17S	34E					

Latitude 32.8586617 N Longitude -103.533493 W

NATURE OF RELEASE

Type of Release : Unknown	Volume of Release : Unknown	Volume Recovered: Unknown
Source of Release : Unknown	Date and Hour of Occurrence: Unknown	Date and Hour of Discovery:
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	
By Whom? Amber Groves	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.* **Amber Groves with the NM State Land Office and the NMOCD required the bare spot to the west behind the battery be delineated to determine the extent of the vertical contamination.**

Describe Area Affected and Cleanup Action Taken.* **Lime Rock Resources contacted Talon/LPE to perform initial site assessment and sampling activities in order to generate a work plan.**

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>OIL CONSERVATION DIVISION</u>	
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 <input type="checkbox"/>
Date: 4/18/2016 Phone: 575-365-9724		

* Attach Additional Sheets If Necessary

APPENDIX IV
LABORATORY RESULTS

March 24, 2016

DAVID ADKINS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: NVANU

Enclosed are the results of analyses for samples received by the laboratory on 03/18/16 12:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-15-7. 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,



Caley 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: 03/18/2016
 Reported: 03/24/2016
 Project Name: NVANU
 Project Number: 70130707701
 Project Location: LEA COUNTY, NM

 Sampling Date: 03/15/2016
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: S-4 0' (H600600-01)

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	03/23/2016	ND	2.01	100	2.00	1.37		
Toluene*	<0.050	0.050	03/23/2016	ND	1.91	95.5	2.00	1.66		
Ethylbenzene*	<0.050	0.050	03/23/2016	ND	1.66	83.0	2.00	0.895		
Total Xylenes*	<0.150	0.150	03/23/2016	ND	5.21	86.9	6.00	2.69		
Total BTEX	<0.300	0.300	03/23/2016	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 99.2 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3200	16.0	03/21/2016	ND	416	104	400	8.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	03/22/2016	ND	199	99.4	200	1.20		
DRO >C10-C28	<10.0	10.0	03/22/2016	ND	182	91.2	200	8.62		

Surrogate: 1-Chlorooctane 103 % 35-147

Surrogate: 1-Chlorooctadecane 106 % 28-171

Cardinal Laboratories

*=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: 03/18/2016
 Reported: 03/24/2016
 Project Name: NVANU
 Project Number: 70130707701
 Project Location: LEA COUNTY, NM

 Sampling Date: 03/15/2016
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: S-4 1.0' (H600600-02)

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	03/23/2016	ND	2.01	100	2.00	1.37		
Toluene*	<0.050	0.050	03/23/2016	ND	1.91	95.5	2.00	1.66		
Ethylbenzene*	<0.050	0.050	03/23/2016	ND	1.66	83.0	2.00	0.895		
Total Xylenes*	<0.150	0.150	03/23/2016	ND	5.21	86.9	6.00	2.69		
Total BTEX	<0.300	0.300	03/23/2016	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 98.5 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6240	16.0	03/21/2016	ND	416	104	400	8.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	03/22/2016	ND	199	99.4	200	1.20		
DRO >C10-C28	<10.0	10.0	03/22/2016	ND	182	91.2	200	8.62		

Surrogate: 1-Chlorooctane 94.7 % 35-147

Surrogate: 1-Chlorooctadecane 97.1 % 28-171

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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: 03/18/2016
 Reported: 03/24/2016
 Project Name: NVANU
 Project Number: 70130707701
 Project Location: LEA COUNTY, NM

 Sampling Date: 03/15/2016
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: S-4 1.5' (H600600-03)

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	03/23/2016	ND	2.01	100	2.00	1.37		
Toluene*	<0.050	0.050	03/23/2016	ND	1.91	95.5	2.00	1.66		
Ethylbenzene*	<0.050	0.050	03/23/2016	ND	1.66	83.0	2.00	0.895		
Total Xylenes*	<0.150	0.150	03/23/2016	ND	5.21	86.9	6.00	2.69		
Total BTEX	<0.300	0.300	03/23/2016	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 100 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7280	16.0	03/21/2016	ND	416	104	400	8.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	03/22/2016	ND	199	99.4	200	1.20		
DRO >C10-C28	<10.0	10.0	03/22/2016	ND	182	91.2	200	8.62		

Surrogate: 1-Chlorooctane 94.5 % 35-147

Surrogate: 1-Chlorooctadecane 95.1 % 28-171

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

- QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
- 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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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

April 21, 2016

DAVID ADKINS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: NVANU #1

Enclosed are the results of analyses for samples received by the laboratory on 04/15/16 11:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-15-7. 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:	04/15/2016	Sampling Date:	04/12/2016
Reported:	04/21/2016	Sampling Type:	Soil
Project Name:	NVANU #1	Sampling Condition:	Cool & Intact
Project Number:	701307.077.01	Sample Received By:	Celey D. Keene
Project Location:	LOVINGTON, NM		

Sample ID: B-1 5' (H600825-01)

Chloride, SM4500Cl-B	mg/kg	Analyzed By: AP							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	736	16.0	04/18/2016	ND	416	104	400	3.92	

Sample ID: B-1 10' (H600825-02)

Chloride, SM4500Cl-B	mg/kg	Analyzed By: AP							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1380	16.0	04/18/2016	ND	416	104	400	3.92	

Sample ID: B-1 15' (H600825-03)

Chloride, SM4500Cl-B	mg/kg	Analyzed By: AP							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	688	16.0	04/18/2016	ND	416	104	400	3.92	

Sample ID: B-1 20' (H600825-04)

Chloride, SM4500Cl-B	mg/kg	Analyzed By: AP							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	04/18/2016	ND	416	104	400	3.92	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



April 25, 2016

DAVID ADKINS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: NVANU #1

Enclosed are the results of analyses for samples received by the laboratory on 04/22/16 12:16.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-15-7. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab_accred_certif.html.

Cardinal Laboratories is 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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style.

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:	04/22/2016	Sampling Date:	04/12/2016
Reported:	04/25/2016	Sampling Type:	Soil
Project Name:	NVANU #1	Sampling Condition:	** (See Notes)
Project Number:	701307.077.01	Sample Received By:	Jodi Henson
Project Location:	LOVINGTON, NM		

Sample ID: B-1 25' (H600879-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	04/22/2016	ND	400	100	400	0.00		

Sample ID: B-1 30' (H600879-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/22/2016	ND	400	100	400	0.00		

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

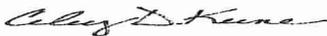
Notes and Definitions

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

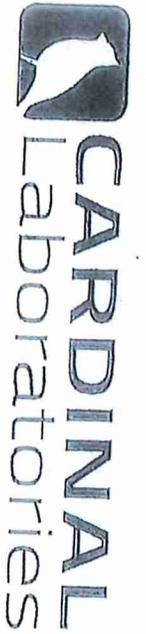
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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILLET

ANALYSIS REQUEST

Company Name: Talon/LE
 Project Manager: David Atkins
 Address: 408 W. Texas Ave.
 City: Artesia State: NM Zip: 88210
 Phone #: 575-746-8768 Fax #: 575-746-8905
 Project #: [blank] Project Owner: [blank]
 Project Name: WALK #1 Battery
 Project Location: Lee by
 Sampler Name: Kim Wilson
 P.O. #: [blank] Company: Talon/LE
 Attn: [blank] Address: [blank]
 City: [blank] State: [blank] Zip: [blank]
 Phone #: [blank] Fax #: [blank]

FOR LAB USE ONLY

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	ANALYSIS REQUEST
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERVY			
H000879	B-1 25'	5	1							4/2/16	1	Chloride	
2	30'	5	1							4/12/16	1		

PLEASE NOTE: Taring and Storage. Containers ready and clean exclusive taring for any other analysis. Containers must be returned to the amount paid by the client for the analysis. All clients handling their own samples must be returned within 30 days after completion of the analysis. In the event that Cardinal has jobs for residential or commercial clients, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, the substance of the analysis or success or failure of the analysis shall be the responsibility of the client. Cardinal is not responsible for any loss or damage to the client's property or other assets.

Relinquished By: [Signature] Received By: [Signature]
 Date: 4/2/16 Date: 4/2/16
 Time: 12:38 Time: 12:16

Delivered By: [Signature] Received By: [Signature]
 Date: 4/2/16 Date: 4/2/16
 Time: 12:16 Time: 12:16

Sampler - UPS - Bus - Other: [blank]

Sample Condition: Intact Corrupt

CHECKED BY: [Signature]

Phone Result: Yes No Add'l Phone #: [blank]
 Fax Result: Yes No Add'l Fax #: [blank]

REMARKS: [Signature]

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