

From: [Kimberly M. Wilson](#)
To: [Bratcher, Mike, EMNRD](#); [Patterson, Heather, EMNRD](#)
Cc: gschelling@crystalriveroil.com; [David Adkins](#)
Subject: Jones D Battery 2RP-2143
Date: Thursday, August 28, 2014 2:37:54 PM
Attachments: image001.png
Jones D Battery 2RP-2143.pdf

Mike and Heather,

Attached please find the Closure Report and Final C-141 for the above referenced release. We ask that no further actions be required.

Thank you.

Respectfully submitted,

Kimberly M. Wilson

Project Manager

Talon/LPE

408 West Texas Avenue

Artesia, New Mexico 88210

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Better Business Bureau Torch Award for Marketplace Ethics: 2010 Winner, 2009 Finalist

Staples Foundation for Learning Hall of Fame Recipient: 2010

ICIC and Business Week- Top 100: 2010, 2009, 2008, 2007, 2006

Inc. 500/5000: 2012, 2011, 2010, 2009, 2008, 2007



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Phone 505.393.4261
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Midland, Texas 79706
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ENGINEERING
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SPILL MANAGEMENT
GENERAL CONTRACTING

Toll Free: 866.742.0742
www.talonlpe.com

August 28, 2014

Mr. Mike Bratcher
NMOCD District 2
811 S. 1st Street
Artesia, NM 88210

Subject: **Remediation and Closure Report**
KC Resources Inc
Jones D Battery
30-015-00192 **2RP-2143**

Dear Mr. Bratcher,

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

Incident Date

July 9, 2014

Background Information

The Jones D Battery is located approximately ten (10) miles southeast of Artesia, New Mexico. The legal location for the site is Section 13, Township 18S, Range 26E in Eddy County, New Mexico. More specifically the latitude and longitude for the release are 32.750622 North and -104.330041 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 Reeves loam with 0 to 1 percent slopes. Per the New Mexico Bureau of Geology and Mineral Resources the local surface and shallow geology, Paleozoic Age sedimentary deposits, is comprised of the Guadeloupian Artesia Group, Tansil and Yates formations which include silty soils underlain by weathered gypsum and hard caliches. Drainage courses in this area are normally dry. We encountered ground water in the vicinity at 40-feet below ground surface (bgs). According to the New Mexico State Engineer web site indicates the nearest ground water data to be in S24-T18S-R26E. The ground water in Section 8 is reported to be a depth of 18' below ground surface (bgs). See [Appendix II](#) for the referenced groundwater data.

The ranking for this site is **20** Based on the following:

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

Incident Description

On August 29, 2013 a field inspection by Mike Bratcher of the NMOCD discovered a trench from the water tank to an open excavation. A release of produced fluids was observed. The original site plan is attached in Appendix I.

Remedial Actions Taken

KC Resources used a third party contractor to perform the excavation activities pursuant to a NMOCD approved work plan. A Talon/LPE representative was on to the site to supervise the excavation and to carry out soil sampling activities. Grab soil samples were collected utilizing a backhoe to a depth of 10-feet deep.

Talon personnel returned to the site twice to obtain deeper vertical delineation samples with a drill rig per NMOCD stipulations. Sample location B-1 was drilled to a depth of 20-feet below ground surface and sample location B-2 was drilled to a depth of 40-feet deep, where ground water was encountered. An updated site map is also attached hereto.

The impacted area in the vicinity of S-1 was excavated to a depth of 5-feet deep and a liner was installed. The edges of the liner were keyed into a trench excavated 2-feet deep at the boundaries of the open excavation. The open top fiberglass produced water tank was relocated and placed into the lined excavation and reconnected.

The remaining impacted areas on site were excavated to a depth of 4-feet deep and a 20 mil liner was installed per NMOCD work plan stipulation. All contaminated soil was transported to an approved facility for disposal. The area was contoured to match the surrounding location with locally obtained backfill.

All soil samples were collected by Talon personnel wearing clean nitrile gloves. The soil samples were placed in laboratory provided sample containers, iced and transported to Cardinal Laboratories in Hobbs, New Mexico for analysis. The samples were tested for volatile organics (BTEX) per EPA Method 8021B, Total Petroleum Hydrocarbons (TPH) per EPA Method 8015M, and total chlorides via Method SM 4500Cl-B. The complete laboratory report is attached in Appendix III.

Laboratory Results

See Appendix III for complete report of laboratory results.

April 14, 2014

Sample ID	Depth (feet)	BTEX (mg/kg)	Chlorides (mg/kg)	TPH (mg/kg) GRO	TPH (mg/kg) DRO
S-3	3'	<0.300	1700	<10	135
	4'	<0.300	3200	<10	39.3
	5'	--	2160	--	--
	6'	--	1020	--	--
	7'	--	1090	--	--
	8'	--	3200	--	--
	9'	--	2200	--	--
	10'	--	2360	--	--
	N. sidewall	--	80	--	--
	S. sidewall	--	25200	--	--
	E. sidewall	--	1120	--	--
	W. sidewall	--	21400	--	--
S-2	2'	<0.300	23600	<10	74.3
	3'	<0.300	25600	<10	22.1
	4'	--	21000	--	--

--Analyte Not Tested

May 27, 2014

Sample ID	Depth (feet)	BTEX (mg/kg)	Chlorides (mg/kg)	TPH (mg/kg) GRO	TPH (mg/kg) DRO
B-1	0'	--	72000	--	--
	2'	--	8200	--	--
	4'	--	5920	--	--
	6'	--	2240	--	--
	8'	--	2440	--	--
	10'	--	2120	--	--
	12'	--	14400	--	--
	14'	--	9700	--	--
	16'	<0.300	8100	<10	<10
	18'	<0.300	9000	<10	26.2
	20'	<0.300	3080	<10	<10

--Analyte Not Tested

July 14, 2014

Sample ID	Depth (feet)	BTEX (mg/kg)	Chlorides (mg/kg)	TPH (mg/kg) GRO	TPH (mg/kg) DRO
BH 2	20'	--	608	--	--
	25'	--	1280	--	--
	30'	--	2560	--	--
	40'	--	592	--	--

--Analyte Not Tested

August 12, 2014

Sample ID	Depth (feet)	BTEX (mg/kg)	Chlorides (mg/kg)	TPH (mg/kg) GRO	TPH (mg/kg) DRO
West sidewall	4'	--	224	--	--

--Analyte Not Tested

For this site's ranking, New Mexico Oil Conservation District action level criterion for BTEX is 50 mg/kg, Benzene is 10 mg/kg and TPH is 100 mg/kg. The chloride remediation standard is considered to be 1,000 mg/kg.

Closure

On behalf of KC Resources, we respectfully request that no further actions be required and that closure with respect to this release be granted.

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

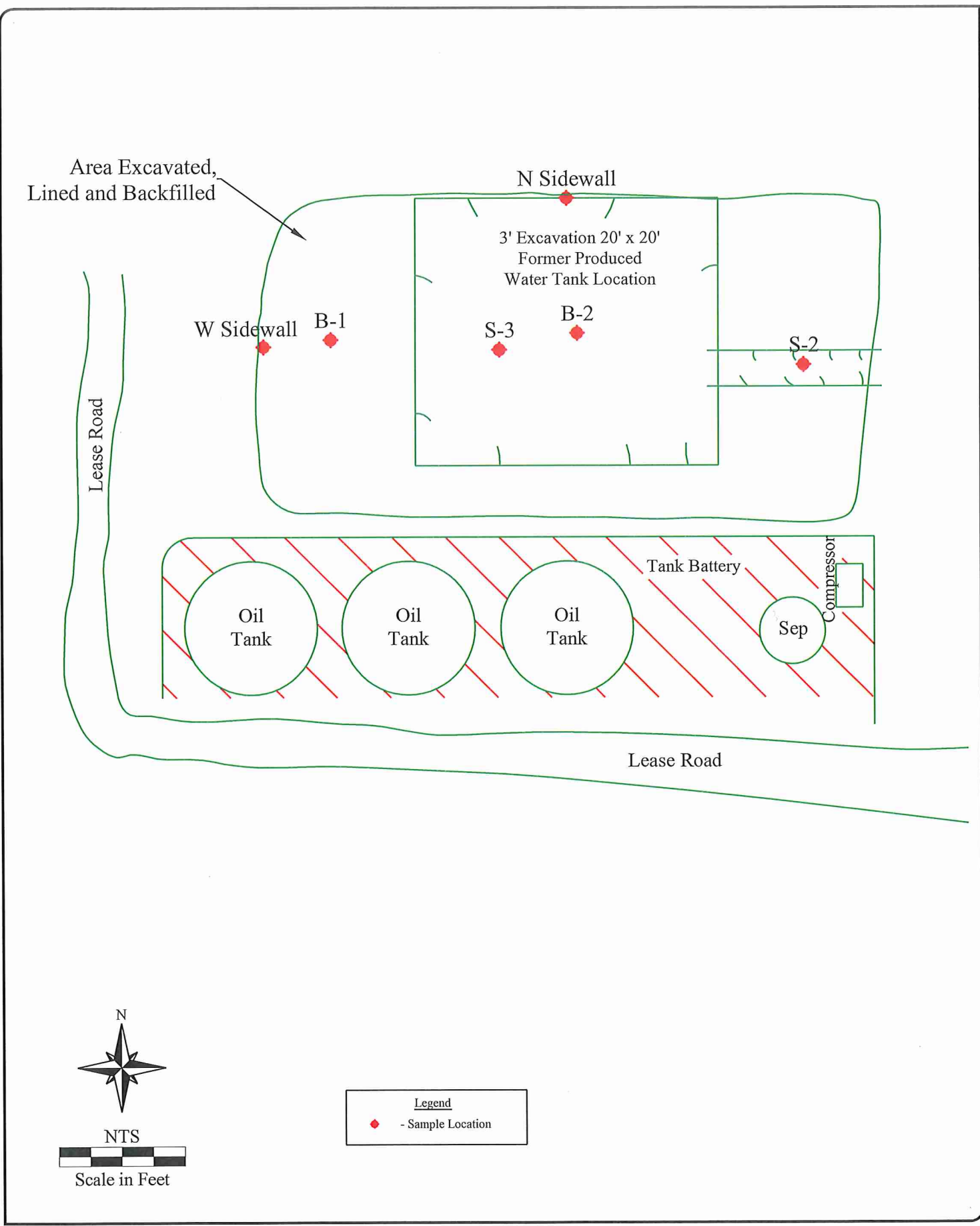
Respectfully submitted,

TALON/LPE

Kimberly M. Wilson
Project Manager

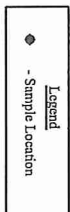
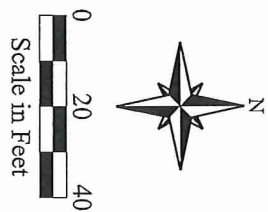
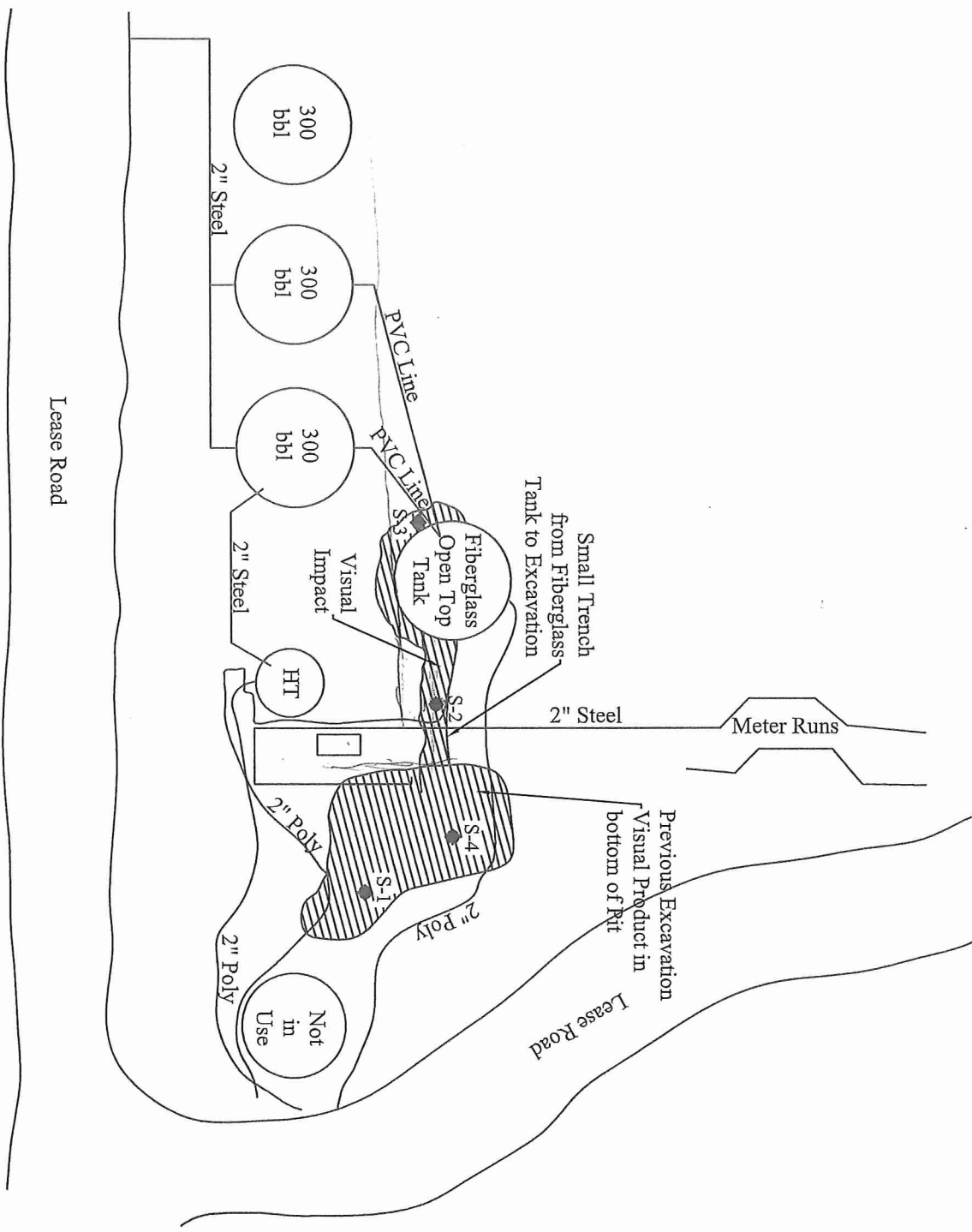
David J. Adkins
District Manager

APPENDIX I
SITE MAP



Date: 08/28/2014
Scale: NTS
Drawn By: TJS

Jones D Tank Battery
Devon Energy Corporation
Eddy County, New Mexico
Figure 1 - Site Plan



Date: 11/04/2013
Scale: 1" = 40'
Drawn By: TJS

Jones D Tank Battery
Crystal River Oil & Gas, LLC
Eddy 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
RA 03409 REPAR		ED		2	4	2	24	18S	26E	562963	3622210*	1014	175	18	157
RA 03409		ED		1	4	2	24	18S	26E	562763	3622210*	1033	175	18	157
RA 02132 B		ED		1	2	1	24	18S	26E	561958	3622611*	1176	166		
RA 04298		ED			1	2	19	18S	27E	564082	3622523*	1321	92		
RA 03900		ED		1	3	1	24	18S	26E	561557	3622206*	1735	845	90	755
RA 01343 CLW	O	CH		1	2	4	14	18S	26E	561157	3623417*	1815	150	23	127
RA 03750		ED			3	4	24	18S	26E	562465	3621299*	1988	110	35	75

Average Depth to Water: 36 feet

Minimum Depth: 18 feet

Maximum Depth: 90 feet

Record Count: 7

UTMNAD83 Radius Search (in meters):

Easting (X): 562962

Northing (Y): 3623224

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
LABORATORY RESULTS



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

April 14, 2014

DAVID ADKINS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: JONES D TANK BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 04/07/14 14:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is 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



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received:	04/07/2014	Sampling Date:	04/04/2014
Reported:	04/14/2014	Sampling Type:	Soil
Project Name:	JONES D TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	701723.001.01	Sample Received By:	Jodi Henson
Project Location:	H-13-18-26		

Sample ID: S-3 3' (H401047-01)

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	04/14/2014	ND	2.40	120	2.00	7.32	
Toluene*	<0.050	0.050	04/14/2014	ND	2.27	114	2.00	7.06	
Ethylbenzene*	<0.050	0.050	04/14/2014	ND	2.24	112	2.00	6.93	
Total Xylenes*	<0.150	0.150	04/14/2014	ND	6.44	107	6.00	6.88	
Total BTEX	<0.300	0.300	04/14/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 89.4-126

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1700	16.0	04/14/2014	ND	416	104	400	3.92	

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	04/11/2014	ND	202	101	200	3.17	
DRO >C10-C28	135	10.0	04/11/2014	ND	214	107	200	2.73	

Surrogate: 1-Chlorooctane 120 % 65.2-140

Surrogate: 1-Chlorooctadecane 129 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/07/2014
Reported: 04/14/2014
Project Name: JONES D TANK BATTERY
Project Number: 701723.001.01
Project Location: H-13-18-26

Sampling Date: 04/04/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S-3 4' (H401047-02)

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	04/14/2014	ND	2.40	120	2.00	7.32	
Toluene*	<0.050	0.050	04/14/2014	ND	2.27	114	2.00	7.06	
Ethylbenzene*	<0.050	0.050	04/14/2014	ND	2.24	112	2.00	6.93	
Total Xylenes*	<0.150	0.150	04/14/2014	ND	6.44	107	6.00	6.88	
Total BTEx	<0.300	0.300	04/14/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 89.4-126

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	04/14/2014	ND	416	104	400	3.92	

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	04/11/2014	ND	202	101	200	3.17	
DRO >C10-C28	39.3	10.0	04/11/2014	ND	214	107	200	2.73	

Surrogate: 1-Chlorooctane 114 % 65.2-140

Surrogate: 1-Chlorooctadecane 111 % 63.6-154

Sample ID: S-3 5' (H401047-03)

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	04/14/2014	ND	416	104	400	3.92	

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received:	04/07/2014	Sampling Date:	04/04/2014
Reported:	04/14/2014	Sampling Type:	Soil
Project Name:	JONES D TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	701723.001.01	Sample Received By:	Jodi Henson
Project Location:	H-13-18-26		

Sample ID: S-3 6' (H401047-04)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1020	16.0	04/14/2014	ND	416	104	400	3.92	

Sample ID: S-3 7' (H401047-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1090	16.0	04/14/2014	ND	416	104	400	3.92	

Sample ID: S-3 8' (H401047-06)

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	04/14/2014	ND	416	104	400	3.92	

Sample ID: S-3 9' (H401047-07)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2200	16.0	04/14/2014	ND	416	104	400	3.92	

Sample ID: S-3 10' (H401047-08)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2360	16.0	04/14/2014	ND	416	104	400	3.92	

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received: 04/07/2014
Reported: 04/14/2014
Project Name: JONES D TANK BATTERY
Project Number: 701723.001.01
Project Location: H-13-18-26

Sampling Date: 04/04/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: N. SIDEWALL (H401047-09)

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	04/14/2014	ND	416	104	400	3.92	

Sample ID: S. SIDEWALL (H401047-10)

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	25200	16.0	04/11/2014	ND	400	100	400	3.92	

Sample ID: E. SIDEWALL (H401047-11)

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1120	16.0	04/11/2014	ND	400	100	400	3.92	

Sample ID: W. SIDEWALL (H401047-12)

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	21400	16.0	04/11/2014	ND	400	100	400	3.92	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/07/2014
Reported: 04/14/2014
Project Name: JONES D TANK BATTERY
Project Number: 701723.001.01
Project Location: H-13-18-26

Sampling Date: 04/07/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S-2 2' (H401047-13)

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	04/14/2014	ND	2.40	120	2.00	7.32	
Toluene*	<0.050	0.050	04/14/2014	ND	2.27	114	2.00	7.06	
Ethylbenzene*	<0.050	0.050	04/14/2014	ND	2.24	112	2.00	6.93	
Total Xylenes*	<0.150	0.150	04/14/2014	ND	6.44	107	6.00	6.88	
Total BTEX	<0.300	0.300	04/14/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 89.4-126

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	23600	16.0	04/11/2014	ND	400	100	400	3.92	
TPH 8015M	mg/kg		Analyzed By: ms						

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	04/11/2014	ND	202	101	200	3.17	
DRO >C10-C28	74.3	10.0	04/11/2014	ND	214	107	200	2.73	

Surrogate: 1-Chlorooctane 116 % 65.2-140

Surrogate: 1-Chlorooctadecane 119 % 63.6-154

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/07/2014
Reported: 04/14/2014
Project Name: JONES D TANK BATTERY
Project Number: 701723.001.01
Project Location: H-13-18-26

Sampling Date: 04/07/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S-2 3' (H401047-14)

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	04/14/2014	ND	2.40	120	2.00	7.32	
Toluene*	<0.050	0.050	04/14/2014	ND	2.27	114	2.00	7.06	
Ethylbenzene*	<0.050	0.050	04/14/2014	ND	2.24	112	2.00	6.93	
Total Xylenes*	<0.150	0.150	04/14/2014	ND	6.44	107	6.00	6.88	
Total BTEX	<0.300	0.300	04/14/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 89.4-126

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	25600	16.0	04/11/2014	ND	400	100	400	3.92	

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	04/11/2014	ND	202	101	200	3.17	
DRO >C10-C28	22.1	10.0	04/11/2014	ND	214	107	200	2.73	

Surrogate: 1-Chlorooctane 101 % 65.2-140

Surrogate: 1-Chlorooctadecane 94.9 % 63.6-154

Sample ID: S-2 4' (H401047-15)

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	21000	16.0	04/11/2014	ND	400	100	400	3.92	

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Celey D. Keene, Lab Director/Quality Manager



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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



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Valley PE		P.O. #:		BILF10										ANALYSIS REQUEST																			
Project Manager: David Adkins		Company: Valley																															
Address: 408 W. 9th St.		Attn:																															
City: Atascia		Address:																															
State: NM		Phone #:																															
Zip: 88210		Fax #:																															
Phone #: 505-746-8168		Project Owner: Crystal River																															
Project #: 701723.001.01		State:																															
Project Name: Donna D Batters		Zip:																															
Project Location: H-43-18-26		Phone #:																															
Sample Name: Timberly Wilson		Fax #:																															
FOR LAB USE ONLY		PRESERV		SAMPLING																													
Lab I.D.		Sample I.D.																															
H40147		(G)RAB OR (C)OMP.																															
		# CONTAINERS																															
		GROUNDWATER																															
		WASTEWATER																															
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		ICE / COOL																															
		OTHER :																															
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1		S-3		3'										4/4/14 4:00										Chlorides									
2		S-3		4'										4/4/14 4:05										TPH									
3		S-3		5'																				BTEX									
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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

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



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

May 27, 2014

DAVID ADKINS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: JONES D TANK BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 05/16/14 11:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is 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



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received:	05/16/2014	Sampling Date:	05/15/2014
Reported:	05/27/2014	Sampling Type:	Soil
Project Name:	JONES D TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	701723.001.01	Sample Received By:	Jodi Henson
Project Location:	H-13-18-26		

Sample ID: B-1 0' (H401503-01)

Chloride, SM4500Cl-B			mg/kg						
			Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	72000	16.0	05/20/2014	ND	400	100	400	0.00	

Sample ID: B-1 2' (H401503-02)

Chloride, SM4500Cl-B			mg/kg						
			Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8200	16.0	05/20/2014	ND	400	100	400	0.00	

Sample ID: B-1 4' (H401503-03)

Chloride, SM4500Cl-B			mg/kg						
			Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5920	16.0	05/20/2014	ND	400	100	400	0.00	

Sample ID: B-1 6' (H401503-04)

Chloride, SM4500Cl-B			mg/kg						
			Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2240	16.0	05/20/2014	ND	400	100	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: 05/16/2014
 Reported: 05/27/2014
 Project Name: JONES D TANK BATTERY
 Project Number: 701723.001.01
 Project Location: H-13-18-26

Sampling Date: 05/15/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: B-1 8' (H401503-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2440	16.0	05/20/2014	ND	400	100	400	0.00	

Sample ID: B-1 10' (H401503-06)

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	05/20/2014	ND	400	100	400	0.00	

Sample ID: B-1 12' (H401503-07)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	14400	16.0	05/20/2014	ND	400	100	400	0.00	

Sample ID: B-1 14' (H401503-08)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9700	16.0	05/20/2014	ND	400	100	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 05/16/2014
Reported: 05/27/2014
Project Name: JONES D TANK BATTERY
Project Number: 701723.001.01
Project Location: H-13-18-26

Sampling Date: 05/15/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: B-1 16' (H401503-09)

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	05/20/2014	ND	2.17	109	2.00	0.100	
Toluene*	<0.050	0.050	05/20/2014	ND	2.17	108	2.00	0.742	
Ethylbenzene*	<0.050	0.050	05/20/2014	ND	2.07	103	2.00	0.395	
Total Xylenes*	<0.150	0.150	05/20/2014	ND	6.48	108	6.00	0.119	
Total BTEx	<0.300	0.300	05/20/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 89.4-126

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8100	16.0	05/20/2014	ND	400	100	400	0.00	

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	05/22/2014	ND	202	101	200	3.08	
DRO >C10-C28	<10.0	10.0	05/22/2014	ND	219	110	200	5.82	

Surrogate: 1-Chlorooctane 119 % 65.2-140

Surrogate: 1-Chlorooctadecane 118 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/16/2014	Sampling Date:	05/15/2014
Reported:	05/27/2014	Sampling Type:	Soil
Project Name:	JONES D TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	701723.001.01	Sample Received By:	Jodi Henson
Project Location:	H-13-18-26		

Sample ID: B-1 18' (H401503-10)

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	05/20/2014	ND	2.17	109	2.00	0.100	
Toluene*	<0.050	0.050	05/20/2014	ND	2.17	108	2.00	0.742	
Ethylbenzene*	0.081	0.050	05/20/2014	ND	2.07	103	2.00	0.395	
Total Xylenes*	<0.150	0.150	05/20/2014	ND	6.48	108	6.00	0.119	
Total BTEX	<0.300	0.300	05/20/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9000	16.0	05/20/2014	ND	400	100	400	0.00	

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	05/22/2014	ND	202	101	200	3.08	
DRO >C10-C28	26.2	10.0	05/22/2014	ND	219	110	200	5.82	

Surrogate: 1-Chlorooctane 117 % 65.2-140

Surrogate: 1-Chlorooctadecane 115 % 63.6-154

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/16/2014	Sampling Date:	05/15/2014
Reported:	05/27/2014	Sampling Type:	Soil
Project Name:	JONES D TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	701723.001.01	Sample Received By:	Jodi Henson
Project Location:	H-13-18-26		

Sample ID: B-1 20' (H401503-11)

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	05/20/2014	ND	2.17	109	2.00	0.100	
Toluene*	<0.050	0.050	05/20/2014	ND	2.17	108	2.00	0.742	
Ethylbenzene*	<0.050	0.050	05/20/2014	ND	2.07	103	2.00	0.395	
Total Xylenes*	<0.150	0.150	05/20/2014	ND	6.48	108	6.00	0.119	
Total BTEX	<0.300	0.300	05/20/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 89.4-126

Chloride, SM4500Cl-B			mg/kg						
			Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3080	16.0	05/20/2014	ND	400	100	400	0.00	

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	05/22/2014	ND	202	101	200	3.08	
DRO >C10-C28	<10.0	10.0	05/22/2014	ND	219	110	200	5.82	

Surrogate: 1-Chlorooctane 120 % 65.2-140

Surrogate: 1-Chlorooctadecane 120 % 63.6-154

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Celest D. Keene, Lab Director/Quality Manager



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

ANALYSIS REQUEST

Company Name: Talon/LE		P.O. #:															
Project Manager: David Perkins		Company: Talon/LE															
Address: 408 W. Texas Ave.		Attn:															
City: Artesia		Address:															
State: NM Zip: 88210		City:															
Phone #: 575-746-8768 Fax #: 575-746-8905		State: Zip:															
Project #: 701723.001.01 Project Owner: KJ Remmer		Phone #:															
Project Name: Jones A		Fax #:															
Project Location: H-13-18-26		DATE															
Sample Name: Kimberly M. Wilson		TIME															
FOR LAB USE ONLY																	
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME	Chlorides	TPH	BTEX
4401503	B-1	0'	6										5.15.14	1			
	B-1	2'	6										5.15.14	1			
	B-1	4'	6										5.15.14	1			
	B-1	6'	6										5.15.14	1			
	B-1	8'	6										5.15.14	1			
	B-1	10'	6										5.15.14	1			
	B-1	12'	6										5.15.14	1			
	B-1	14'	6										5.15.14	1			
	B-1	16'	6										5.15.14	1			
	B-1	18'	6										5.15.14	1			

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Relinquished By: *Kimberly M. Wilson* Date: *5/16/14* Time: *1:30* Received By: *David Perkins* Date: *5/16/14* Time: *11:15*

Relinquished By: *David Perkins* Date: *5/16/14* Time: *11:15* Received By: *Kimberly M. Wilson* Date: *5/16/14* Time: *11:15*

Delivered By: (Circle One) *UPS* *5:26* *5/16/14*

Sampler - UPS - Bus - Other: *5:26* *5/16/14*

Sample Condition: ☒ Yes ☐ No

Checked By: *David Perkins* Initials: *DP*

REMARKS: *Chlorides*
TPH
BTEX



ANALYSIS REQUEST

scores or differentials.	
Phone Result:	<input type="checkbox"/> Yes <input type="checkbox"/> No
Fax Result:	<input type="checkbox"/> Yes <input type="checkbox"/> No
Add'l Phone #:	
Add'l Fax #:	
REMARKS:	



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

July 14, 2014

DAVID ADKINS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: JONES D TANK BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 06/23/14 14:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.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



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

Analytical Results For:

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

Received: 06/23/2014
 Reported: 07/14/2014
 Project Name: JONES D TANK BATTERY
 Project Number: 701723.001.01
 Project Location: H-13-18-26

Sampling Date: 06/20/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: BH 2 20' (H401876-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	608	16.0	06/24/2014	ND	416	104	400	8.00	

Sample ID: BH 2 25' (H401876-02)

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	06/24/2014	ND	416	104	400	8.00	

Sample ID: BH 2 30' (H401876-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2560	16.0	06/24/2014	ND	416	104	400	8.00	

Sample ID: BH 2 40' (H401876-04)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	592	16.0	06/24/2014	ND	416	104	400	8.00	

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager




PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

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



CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

ANALYSIS REQUEST

BILL TO

P.O. #:

Company Name:

Project Manager:

Address: 408 W. Texas Ave.

City: Artesia

Phone #: 575-746-8768

Project #: 701223.00101

Project Name: Jones "D" Tank

Project Location: Edley

Sampler Name: SH

FOR LAB USE ONLY

Lab I.D. * Sample I.D.

Project #: 701223.00101

Project Name: Jones "D" Tank

Project Location: Edley

Sampler Name: SH

FOR LAB USE ONLY

Lab I.D. * Sample I.D.

Project #: 701223.00101

Project Name: Jones "D" Tank

Project Location: Edley

Sampler Name: SH

FOR LAB USE ONLY

Lab I.D. * Sample I.D.

Project #: 701223.00101

Project Name: Jones "D" Tank

Project Location: Edley

Sampler Name: SH

FOR LAB USE ONLY

Lab I.D. * Sample I.D.

* Cardinal cannot accept verbal change. Please fax written change to (575) 393-2326



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

August 12, 2014

DAVID ADKINS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: JONES D TANK BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 08/05/14 16:06.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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Method EPA 524.4	Regulated VOCs (V1, V2, V3)

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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



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received:	08/05/2014	Sampling Date:	08/05/2014
Reported:	08/12/2014	Sampling Type:	Soil
Project Name:	JONES D TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	701723.001.01	Sample Received By:	Kathy Perez
Project Location:	H-13-18-26		

Sample ID: WEST SIDEWALL 4' (H402405-01)

Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	08/08/2014	ND	400	100	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager



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- *** 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



CARDINAL
Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

[illegible]

FINAL 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 : KC Resources Inc	Contact : Gary
Address : PO Box 6749, Snowmass Village, CO 81615	Telephone No. :
Facility Name : Jones D Tank Battery	Facility Type: Tank Battery
Surface Owner : Private	Mineral Owner
API#: 30-015-00192	

LOCATION OF RELEASE

Unit Letter H	Section 13	Township 18S	Range 26E	Feet from the	North/South Line	Feet from the	East/West Line	County: Eddy
------------------	---------------	-----------------	--------------	---------------	------------------	---------------	----------------	--------------

Latitude _____ Longitude _____

NATURE OF RELEASE



Type of Release : Mix Fluids	Volume of Release : Unknown	Volume Recovered: Unknown
Source of Release : Transmitter malfunction	Date and Hour of Occurrence: Unknown	Date and Hour of Discovery: 8/29/2013
Was Immediate Notice Given? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	
By Whom: Mike Bratcher	Date and Hour : 8/29/2013	
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.* A field inspection by Mike Bratcher of the NMOCD discovered a trench from the water tank to an open excavation. Talon/LPE was contacted to complete the site assessment and collect soil samples. The area impacted was surrounding the water tank battery and off the east side of location 60' pooling in an area measuring 40'x30'.

Describe Area Affected and Cleanup Action Taken.* KC Resources used a third party contractor to perform the excavation activities pursuant to a NMOCD approved work plan. A Talon/LPE representative was on to the site to supervise the excavation and to carry out soil sampling activities. Grab soil samples were collected utilizing a backhoe to a depth of 10-feet deep. Talon personnel returned to the site twice to obtain deeper vertical delineation samples with a drill rig per NMOCD stipulations. Sample location B-1 was drilled to a depth of 20-feet below ground surface and sample location B-2 was drilled to a depth of 40-feet deep, where ground water was encountered. An updated site map is also attached hereto. The impacted area in the vicinity of S-1 was excavated to a depth of 5-feet deep and a liner was installed. The edges of the liner were keyed into a trench excavated 2-feet deep at the boundaries of the open excavation. The open top fiberglass produced water tank was relocated and placed into the lined excavation and reconnected. The remaining impacted areas on site were excavated to a depth of 4-feet deep and a 20 mil liner was installed per NMOCD work plan stipulation. All contaminated soil was transported to an approved facility for disposal. The area was contoured to match the surrounding location with locally obtained backfill. No further action is required.

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: Gary Schelling	Approved by District Supervisor:		
Title: 	Approval Date:	Expiration Date:	
E-mail Address: gschelling@crystalriveroil.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: August 28, 2014 Phone: (970) 927-0871			

* Attach Additional Sheets If Necessary

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 380886

CONDITIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 380886
	Action Type: [IM-SD] Incident File Support Doc (ENV) (IM-BNF)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	Historical documents uploaded.	9/5/2024