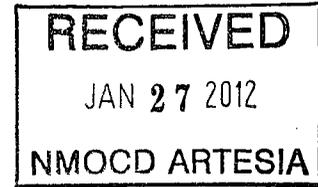




January 13, 2012



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

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

ARTESIA
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Artesia, New Mexico 88210
Phone 575.746.8768
Fax 575.746.8905

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

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

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

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

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

Subject: **Remediation and Closure Report**
Cimarex Energy Corporation
Federal 1 Tank Battery Release
API # 30-015-25490 – 2RP-747

Dear Mr. Bratcher,

Cimarex Energy has contracted Talon/LPE (Talon) to perform soil assessment and remediation services at the referenced Federal 1 Tank Battery release. The incident description, soil sampling results, remediation activities and closure request are submitted herein.

Incident Date

March 9, 2011

Background Information

The Federal TB No. 1 is located approximately thirty-three (33) miles east of Artesia, New Mexico. The legal location for the site is Section 5, Township 18 South and Range 31 East in Eddy County, New Mexico. More Specifically the latitude and longitude for the release are 32.77444 North and -103.88520 West.

This site lies on undulating plains and low hills consisting of wind worked sandy deposits. Drainage courses in this area are normally dry. The local surface and shallow geology, Quaternary Age sedimentary deposits comprised of alluvium and eolian sands which includes silty soils underlain by sand stone and hard caliches. The New Mexico State Engineer web site indicates the nearest ground water data to be in S4-T18S-R32E. The ground water in Section 4 is reported to be at an average depth of 65' 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 March 9, 2011 the stock tank at the Federal TB tank battery was discovered to be leaking. The tank was taken out of service, repaired and placed back into service. Two hundred sixty (260) barrels of hydrocarbon fluids were released. A vacuum truck was brought to the location and one hundred thirty-five (135) barrels were recovered. The impacted area was located within the bermed area of the tank battery. The impacted area was measured to be forty-four feet (44') long by fifty-three feet (53') wide.

Actions Taken

On April 21, 2011 Talon mobilized personnel to begin the assessment and soil sampling for the construction of a work plan. Grab soil samples were collected utilizing a backhoe. The soil samples from sample location S-1 were collected from the impacted area located within the bermed area of the tank battery. The soil samples S-2 were collected for back ground chloride analysis from the non-impacted area off the location.

On June 8, 2011 Talon mobilized personnel again to the site for soil sampling at greater depths utilizing a split spoon auger rig. Grab soil samples S-1 were collected from the depth of 10-feet bgs of the impacted area to a depth of 26-feet deep.

Following excavation activities, Talon returned to the site to perform confirmation sampling on the sidewalls and bottom of the excavation on October 19, 2011. Talon personnel return to the site again on November 11, 2011 to take the final confirmation samples after additional excavation work was completed.

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 TPH (Total Petroleum Hydrocarbons) using EPA Method 8015M, and volatile organics (BTEX) using EPA Method 8021B. The chlorides were analyzed per SM4500CLB. The complete laboratory report is attached as Appendix II.

Analytical Results

Analytical results received from Cardinal Laboratories are summarized below:

April 27, 2011

<u>Sample</u>	<u>Depth</u>	<u>Chlorides</u>	<u>BTEX</u>	<u>TPH (mg/kg)</u>
S-1	0'	48	3188	73500
	1'	3520	1423	37800
	2'	1100	5.484	310.2
	3'	432	<50	44.6
	4'	400	<50	57.5
	5'	1770	<50	155.9
	6'	3640	--	38.8

--Analyte not tested

<u>Sample</u>	<u>Depth</u>	<u>Chlorides</u>	<u>BTEX</u>	<u>TPH (mg/kg)</u>
S-1	8'	5760	--	--
	9'	3320	--	--
	10'	5800	--	--
S-2*	0'	16	--	--
	3'	16	--	--

*Background samples

June 16, 2011

<u>Sample</u>	<u>Depth</u>	<u>Chlorides</u>	<u>BTEX</u>	<u>TPH</u>
S-1	10'	5440	--	--
	15'	2440	--	--
	22'	1120	--	--
	26'	208	--	--

October 26, 2011

<u>Sample</u>		<u>Chlorides</u>	<u>BTEX</u>	<u>TPH</u>
S-1	North side wall	240	0.105	399.7
S-2	East side wall	80	<0.150	12.4
S-3	South side wall	64	<0.150	112
S-4	West side wall	224	140.6	22,250

November 16, 2011

<u>Sample</u>		<u>Chlorides</u>	<u>BTEX</u>	<u>TPH</u>
S-5	West side wall	--	<0.150	41.1

--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 1,000 mg/kg.

Summary and Conclusions

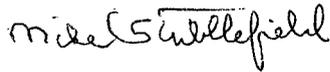
- Ground water in the project vicinity is greater than 50-feet below land surface per the New Mexico State Engineer Database.
- Based on the depth to groundwater and the installation of a 20 mil liner, it is unlikely that the impacts identified from this release will pose a threat to groundwater.
- The impacted soil from this release was excavated by others to a minimum depth of 2-feet below land surface per the approved work plan. The impacted soil was transported to a NMOCD solid waste facility. The excavation was left open until BLM granted approval for closure.
- The excavated area was backfilled to grade using new material transported from a local borrow pit and then the 20 mil liner was installed at ground surface inside the bermed area of the tank battery.

Therefore, on behalf of Cimarex Energy Corporation, we respectfully request that no further actions be required and that closure with respect to this release be granted.

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

Respectfully submitted,

TALON/LPE



Mike Stubblefield
Project Manager



David J. Adkins
District Manager

APPENDIX I
GROUNDWATER DATA



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

(quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

POD Number	Sub basin	Use	County	Q 6	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
CP 00566	DOM	LE	LE	4	4	1	04	18S	32E	614960	3627280*	133	65	68
CP 00672	STK	LE	LE	4	4	07	18S	32E	32E	612475	3624947*	524	430	94
CP 00677	PRO	LE	LE	1	1	26	18S	32E	32E	617750	3621373*	700		

Average Depth to Water: **247 feet**

Minimum Depth: **65 feet**

Maximum Depth: **430 feet**

Record Count: 3

PLSS Search:

Township: 18S Range: 32E

*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 II
LABORATORY RESULTS



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

April 27, 2011

MIKE STUBBLEFIELD

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: FEDERAL T B NO. 1

Enclosed are the results of analyses for samples received by the laboratory on 04/21/11 12:46.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021 Benzene, Toluene, Ethyl Benzene, and Total Xylenes

Method SW-846 8260 Benzene, Toluene, Ethyl Benzene, and Total Xylenes

Method TX 1005 Total Petroleum Hydrocarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

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 (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
 MIKE STUBBLEFIELD
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	04/21/2011	Sampling Date:	04/21/2011
Reported:	04/27/2011	Sampling Type:	Soil
Project Name:	FEDERAL T B NO. 1	Sampling Condition:	Cool & Intact
Project Number:	701162.002.01	Sample Received By:	Jodi Henson
Project Location:	SEC.5.T18S.R31E		

Sample ID: S - 1 0' (H100822-01)

BTEX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	291	40.0	04/27/2011	ND	2.29	115	2.00	5.71	
Toluene*	1280	40.0	04/27/2011	ND	2.29	115	2.00	5.60	
Ethylbenzene*	734	40.0	04/27/2011	ND	2.29	115	2.00	4.57	
Total Xylenes*	883	120	04/27/2011	ND	6.79	113	6.00	4.75	

Surrogate: 4-Bromofluorobenzene (PIL) 66.8 % 70-130

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	04/25/2011	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: ck						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	33900	100	04/26/2011	ND	214	107	200	0.572		
DRO >C10-C28	39600	100	04/26/2011	ND	206	103	200	4.93		

Surrogate: 1-Chlorooctane 465 % 70-130

Surrogate: 1-Chlorooctadecane 116 % 70-130

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	04/21/2011	Sampling Date:	04/21/2011
Reported:	04/27/2011	Sampling Type:	Soil
Project Name:	FEDERAL T B NO. 1	Sampling Condition:	Cool & Intact
Project Number:	701162.002.01	Sample Received By:	Jodi Henson
Project Location:	SEC.5.T18S.R31E		

Sample ID: S - 1 1' (H100822-02)

BTEX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	179	40.0	04/27/2011	ND	2.29	115	2.00	5.71	
Toluene*	592	40.0	04/27/2011	ND	2.29	115	2.00	5.60	
Ethylbenzene*	297	40.0	04/27/2011	ND	2.29	115	2.00	4.57	
Total Xylenes*	355	120	04/27/2011	ND	6.79	113	6.00	4.75	

Surrogate: 4-Bromofluorobenzene (PIL) 78.2 % 70-130

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3520	16.0	04/25/2011	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: ck						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	15300	100	04/26/2011	ND	214	107	200	0.572		
DRO >C10-C28	22500	100	04/26/2011	ND	206	103	200	4.93		

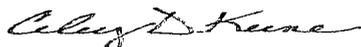
Surrogate: 1-Chlorooctane 273 % 70-130

Surrogate: 1-Chlorooctadecane 116 % 70-130

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	04/21/2011	Sampling Date:	04/21/2011
Reported:	04/27/2011	Sampling Type:	Soil
Project Name:	FEDERAL T B NO. 1	Sampling Condition:	Cool & Intact
Project Number:	701162.002.01	Sample Received By:	Jodi Henson
Project Location:	SEC.5.T18S.R31E		

Sample ID: S - 1 2' (H100822-03)

BTEX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.135	0.050	04/26/2011	ND	2.29	115	2.00	5.71	
Toluene*	1.38	0.050	04/26/2011	ND	2.29	115	2.00	5.60	
Ethylbenzene*	1.49	0.050	04/26/2011	ND	2.29	115	2.00	4.57	
Total Xylenes*	2.48	0.150	04/26/2011	ND	6.79	113	6.00	4.75	

Surrogate: 4-Bromofluorobenzene (PIL) 73.7 % 70-130

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1100	16.0	04/25/2011	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: ck					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	38.2	10.0	04/26/2011	ND	214	107	200	0.572	
DRO >C10-C28	272	10.0	04/26/2011	ND	206	103	200	4.93	

Surrogate: 1-Chlorooctane 114 % 70-130

Surrogate: 1-Chlorooctadecane 121 % 70-130

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Analytical Results For:

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

Received:	04/21/2011	Sampling Date:	04/21/2011
Reported:	04/27/2011	Sampling Type:	Soil
Project Name:	FEDERAL T B NO. 1	Sampling Condition:	Cool & Intact
Project Number:	701162.002.01	Sample Received By:	Jodi Henson
Project Location:	SEC.5.T18S.R31E		

Sample ID: S - 1 3' (H100822-04)

BTEX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/26/2011	ND	2.29	115	2.00	5.71	
Toluene*	0.073	0.050	04/26/2011	ND	2.29	115	2.00	5.60	
Ethylbenzene*	0.078	0.050	04/26/2011	ND	2.29	115	2.00	4.57	
Total Xylenes*	0.151	0.150	04/26/2011	ND	6.79	113	6.00	4.75	

Surrogate: 4-Bromofluorobenzene (PIL) 96.2 % 70-130

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	04/25/2011	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: ck					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/26/2011	ND	214	107	200	0.572	
DRO >C10-C28	44.6	10.0	04/26/2011	ND	206	103	200	4.93	

Surrogate: 1-Chlorooctane 117 % 70-130

Surrogate: 1-Chlorooctadecane 129 % 70-130

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Analytical Results For:

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

Received:	04/21/2011	Sampling Date:	04/21/2011
Reported:	04/27/2011	Sampling Type:	Soil
Project Name:	FEDERAL T B NO. 1	Sampling Condition:	Cool & Intact
Project Number:	701162.002.01	Sample Received By:	Jodi Henson
Project Location:	SEC.5.T18S.R31E		

Sample ID: S - 1 4' (H100822-05)

BTEX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/26/2011	ND	2.29	115	2.00	5.71	
Toluene*	0.123	0.050	04/26/2011	ND	2.29	115	2.00	5.60	
Ethylbenzene*	0.225	0.050	04/26/2011	ND	2.29	115	2.00	4.57	
Total Xylenes*	0.373	0.150	04/26/2011	ND	6.79	113	6.00	4.75	

Surrogate: 4-Bromofluorobenzene (PIL) 94.1 % 70-130

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	04/25/2011	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: ck					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	13.4	10.0	04/26/2011	ND	216	108	200	1.18	
DRO >C10-C28	44.1	10.0	04/26/2011	ND	211	105	200	4.06	

Surrogate: 1-Chlorooctane 99.2 % 70-130

Surrogate: 1-Chlorooctadecane 106 % 70-130

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	04/21/2011	Sampling Date:	04/21/2011
Reported:	04/27/2011	Sampling Type:	Soil
Project Name:	FEDERAL T B NO. 1	Sampling Condition:	Cool & Intact
Project Number:	70.1162.002.01	Sample Received By:	Jodi Henson
Project Location:	SEC.5.T18S.R31E		

Sample ID: S - 1 5' (H100822-06)

BTEX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/26/2011	ND	2.29	115	2.00	5.71	
Toluene*	0.317	0.050	04/26/2011	ND	2.29	115	2.00	5.60	
Ethylbenzene*	0.707	0.050	04/26/2011	ND	2.29	115	2.00	4.57	
Total Xylenes*	1.13	0.150	04/26/2011	ND	6.79	113	6.00	4.75	

Surrogate: 4-Bromofluorobenzene (PIL) 94.0 % 70-130

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1770	16.0	04/25/2011	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: ck					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	13.9	10.0	04/26/2011	ND	216	108	200	1.18	
DRO >C10-C28	142	10.0	04/26/2011	ND	211	105	200	4.06	

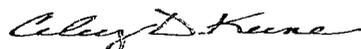
Surrogate: 1-Chlorooctane 98.6 % 70-130

Surrogate: 1-Chlorooctadecane 102 % 70-130

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	04/21/2011	Sampling Date:	04/21/2011
Reported:	04/27/2011	Sampling Type:	Soil
Project Name:	FEDERAL T B NO. 1	Sampling Condition:	Cool & Intact
Project Number:	701162.002.01	Sample Received By:	Jodi Henson
Project Location:	SEC.5.T18S.R31E		

Sample ID: S - 1 6' (H100822-07)

BTEX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/26/2011	ND	2.29	115	2.00	5.71	
Toluene*	<0.050	0.050	04/26/2011	ND	2.29	115	2.00	5.60	
Ethylbenzene*	<0.050	0.050	04/26/2011	ND	2.29	115	2.00	4.57	
Total Xylenes*	<0.150	0.150	04/26/2011	ND	6.79	113	6.00	4.75	

Surrogate: 4-Bromofluorobenzene (PIL) 95.6 % 70-130

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3320	16.0	04/25/2011	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: ck					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/26/2011	ND	216	108	200	1.18	
DRO >C10-C28	38.8	10.0	04/26/2011	ND	211	105	200	4.06	

Surrogate: 1-Chlorooctane 102 % 70-130

Surrogate: 1-Chlorooctadecane 105 % 70-130

Sample ID: S - 1 7' (H100822-08)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3640	16.0	04/25/2011	ND	416	104	400	3.77	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	04/21/2011	Sampling Date:	04/21/2011
Reported:	04/27/2011	Sampling Type:	Soil
Project Name:	FEDERAL T B NO. 1	Sampling Condition:	Cool & Intact
Project Number:	701162.002.01	Sample Received By:	Jodi Henson
Project Location:	SEC.5.T18S.R31E		

Sample ID: S - 1 8' (H100822-09)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5760	16.0	04/25/2011	ND	416	104	400	3.77		

Sample ID: S - 1 10' (H100822-10)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5800	16.0	04/25/2011	ND	416	104	400	3.77		

Sample ID: S - 2 0' OFF LOCATION BG CL (H100822-11)

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	04/25/2011	ND	416	104	400	3.77		

Sample ID: S-2 3' OFF LOCATION BK CL (H100822-12)

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	04/25/2011	ND	416	104	400	3.77		

Sample ID: S - 1 9' (H100822-13)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3320	16.0	04/25/2011	ND	416	104	400	3.77		

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

- S-LOW Low surrogate recovery confirmed as a matrix effect by a second analysis.
- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500CI-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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

1-2

Company Name: Talon/LPE	BILL TO	ANALYSIS REQUEST
Project Manager: MIKE STUBBLEFIELD	P.O. #:	
Address: 408 W. Texas Ave.	Company: Talon/LPE	
City: Altecia State: NM Zip: 88210	Addr:	
Phone #: 505-441-7254 Fax #: 505-246-8905	Address:	
Project #: 201162.002.01 Project Owner: Cimarex Energy	City:	
Project Name: Federal TB No. 1	State: Zps	
Project Location: sec. 5-T185-R31E	Phone #:	
Sampler Name:	Fax #:	

Lab I.D.	Sample I.D.	(GRAB OR COMPF. # CONTAINERS)	MATRIX							PRESERV.		SAMPLING		TPH 8015	OTEX 8021	Total Chlorides
			GROUNDWATER	WASTEWATER	SOIL	SOIL	SLUDGE	OTHER	ACID/BASE	ICE/COOL	OTHER	DATE	TIME			
H106822-1	S-1 0'	G										4/21/2011	10:02 A	✓	✓	✓
2	S-1 1'	G										4/21/2011	10:02 A	✓	✓	✓
3	S-1 2'	G										4/21/2011	10:12 A	✓	✓	✓
4	S-1 3'	G										4/21/2011	10:14 A	✓	✓	✓
5	S-1 4'	G										4/21/2011	10:19 A	✓	✓	✓
6	S-1 5'	G										4/21/2011	10:18 A	✓	✓	✓
7	S-1 6'	G										4/21/2011	10:30 A	✓	✓	✓
8	S-1 7'	G										4/21/2011	10:52 P			✓
9	S-1 8'	G										4/21/2011	10:52 A			✓
10	S-1 10'	G										4/21/2011	10:58 A			✓

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Relinquished By: Mike Stubblefield	Date: 4/21/2011 Time: 12:45 PM	Received By: Jodi Henson	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Lab's Phone #:
Relinquished By:	Date:	Received By:	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Lab's Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Sample Condition: Cool Intact Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	CHECKED BY: JH	REMARKS:	

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

#26

June 16, 2011

MIKE STUBBLEFIELD

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: FEDERAL LEASE TB NO. 1

Enclosed are the results of analyses for samples received by the laboratory on 06/14/11 14:00.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method SW-846 8260	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method TX 1005	Total Petroleum Hydrocarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

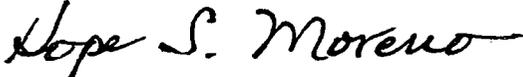
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

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



Hope Moreno

Inorganic Technical Director

Analytical Results For:

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

Received:	06/14/2011	Sampling Date:	06/08/2011
Reported:	06/16/2011	Sampling Type:	Soil
Project Name:	FEDERAL LEASE TB NO. 1	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	5-T18S-R31E		

Sample ID: S-1 10' (H101236-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5440	16.0	06/15/2011	ND	464	116	400	0.00		

Sample ID: S-1 15' (H101236-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2440	16.0	06/15/2011	ND	464	116	400	0.00		

Sample ID: S-1 22' (H101236-04)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1120	16.0	06/15/2011	ND	464	116	400	0.00		

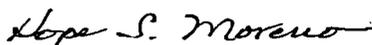
Sample ID: S-1 26' (H101236-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	06/15/2011	ND	464	116	400	0.00		

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Hope Moreno, Inorganic Technical Director

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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Hope Moreno, Inorganic Technical Director

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: <u>Talon/LPE</u>		BILL TO		ANALYSIS REQUEST											
Project Manager: <u>Mike Stubblefield</u>		P.O. #:		<div style="writing-mode: vertical-rl; transform: rotate(180deg); font-size: 2em; font-weight: bold;">Total Chilled</div>											
Address: <u>408 W. Texas Ave.</u>		Company: <u>Talon/LPE</u>													
City: <u>Artesia</u> State: <u>NM</u> Zip: <u>88210</u>		Attn:													
Phone #: <u>575-441-2254</u> Fax #: <u>575-746-8905</u>		Address:													
Project #: _____ Project Owner: <u>Limarex</u>		City:													
Project Name: <u>Federal Lease TB No. 1</u>		State: _____ Zip: _____													
Project Location: <u>S-T185-231E</u>		Phone #: _____													
Sampler Name: <u>Mike Stubblefield</u>		Fax #: _____													
FOR LAB USE ONLY		# CONTAINERS (GRAB OR COMPOUND)	MATRIX					PRESERV.		SAMPLING		DATE	TIME	CHECKED BY:	
Lab I.D.	Sample I.D.		GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:				
H1D1236															
1	S-1 10'	5			/						6/8/11	9:43A	/		
2	S-1 15'	5			/						6/8/11	9:52A	/		
3	S-1 20'	5			/						6/8/11		/	No Sample	
4	S-1 22'	5			/						6/8/11	10:28A	/		
5	S-1 26'	5			/						6/8/11	11:55A	/		

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Relinquished By: <u>Mike Stubblefield</u>	Date: <u>6/14/11</u>	Received By: <u>John Pled</u>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:	
	Time: <u>2:10</u>		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:	
Relinquished By: _____	Date: <u>6/14/11</u>	Received By: <u>Jodi Henson</u>	REMARKS: <u>6/15/11 No sample for #3 as per Mike. ch</u>		
	Time: <u>4:00</u>				
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Sample Condition Cool Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No	CHECKED BY: <u>JAH</u>		

October 26, 2011

MIKE STUBBLEFIELD

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: FEDERAL TB RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 10/21/11 12:45.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method SW-846 8260	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method TX 1005	Total Petroleum Hydrocarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

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 (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
 MIKE STUBBLEFIELD
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	10/21/2011	Sampling Date:	10/19/2011
Reported:	10/26/2011	Sampling Type:	Soil
Project Name:	FEDERAL TB RELEASE	Sampling Condition:	Cool & Intact
Project Number:	701162.002.01	Sample Received By:	Jodi Henson
Project Location:	SEC.4-T18S - R31E		

Sample ID: S-1 NORTHSIDE WALL (H102294-01)

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	10/24/2011	ND	2.14	107	2.00	3.62		
Toluene*	<0.050	0.050	10/24/2011	ND	2.19	109	2.00	7.66		
Ethylbenzene*	0.105	0.050	10/24/2011	ND	2.21	111	2.00	9.58		
Total Xylenes*	<0.150	0.150	10/24/2011	ND	6.64	111	6.00	10.2		

Surrogate: 4-Bromofluorobenzene (PII) 104 % 64.4-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	10/26/2011	ND	384	96.0	400	4.08		

TPH 8015M		mg/kg		Analyzed By: AB						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	11.7	10.0	10/24/2011	ND	171	85.6	200	1.17		
DRO >C10-C28	388	10.0	10/24/2011	ND	151	75.7	200	6.18		

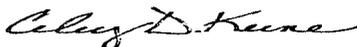
Surrogate: 1-Chlorooctane 91.3 % 55.5-154

Surrogate: 1-Chlorooctadecane 93.7 % 57.6-158

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	10/21/2011	Sampling Date:	10/19/2011
Reported:	10/26/2011	Sampling Type:	Soil
Project Name:	FEDERAL TB RELEASE	Sampling Condition:	Cool & Intact
Project Number:	701162.002.01	Sample Received By:	Jodi Henson
Project Location:	SEC.4-T18S - R31E		

Sample ID: S-2 EASTSIDE WALL (H102294-02)

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	10/24/2011	ND	2.14	107	2.00	3.62		
Toluene*	<0.050	0.050	10/24/2011	ND	2.19	109	2.00	7.66		
Ethylbenzene*	<0.050	0.050	10/24/2011	ND	2.21	111	2.00	9.58		
Total Xylenes*	<0.150	0.150	10/24/2011	ND	6.64	111	6.00	10.2		

Surrogate: 4-Bromofluorobenzene (PIL) 103 % 64.4-134

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	10/26/2011	ND	384	96.0	400	4.08		

TPH 8015M		mg/kg		Analyzed By: AB						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	10/24/2011	ND	171	85.6	200	1.17		
DRO >C10-C28	12.4	10.0	10/24/2011	ND	151	75.7	200	6.18		

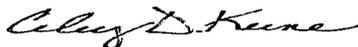
Surrogate: 1-Chlorooctane 96.0 % 55.5-154

Surrogate: 1-Chlorooctadecane 100 % 57.6-158

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	10/21/2011	Sampling Date:	10/19/2011
Reported:	10/26/2011	Sampling Type:	Soil
Project Name:	FEDERAL TB RELEASE	Sampling Condition:	Cool & Intact
Project Number:	701162.002.01	Sample Received By:	Jodi Henson
Project Location:	SEC.4-T18S - R31E		

Sample ID: S-3 SOUTHSIDE WALL (H102294-03)

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	10/24/2011	ND	2.14	107	2.00	3.62		
Toluene*	<0.050	0.050	10/24/2011	ND	2.19	109	2.00	7.66		
Ethylbenzene*	<0.050	0.050	10/24/2011	ND	2.21	111	2.00	9.58		
Total Xylenes*	<0.150	0.150	10/24/2011	ND	6.64	111	6.00	10.2		

Surrogate: 4-Bromofluorobenzene (PIL) 104 % 64.4-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	10/26/2011	ND	384	96.0	400	4.08		

TPH 8015M		mg/kg		Analyzed By: AB						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	10/24/2011	ND	171	85.6	200	1.17		
DRO >C10-C28	112	10.0	10/24/2011	ND	151	75.7	200	6.18		

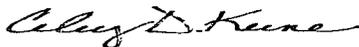
Surrogate: 1-Chlorooctane 101 % 55.5-154

Surrogate: 1-Chlorooctadecane 97.8 % 57.6-158

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	10/21/2011	Sampling Date:	10/19/2011
Reported:	10/26/2011	Sampling Type:	Soil
Project Name:	FEDERAL TB RELEASE	Sampling Condition:	Cool & Intact
Project Number:	701162.002.01	Sample Received By:	Jodi Henson
Project Location:	SEC.4-T18S - R31E		

Sample ID: S-4 WESTSIDE WALL (H102294-04)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<1.00	1.00	10/25/2011	ND	2.14	107	2.00	3.62		
Toluene*	31.7	1.00	10/25/2011	ND	2.19	109	2.00	7.66		
Ethylbenzene*	47.2	1.00	10/25/2011	ND	2.21	111	2.00	9.58		
Total Xylenes*	60.7	3.00	10/25/2011	ND	6.64	111	6.00	10.2		

Surrogate: 4-Bromofluorobenzene (PIL) 117% 64.4-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	10/26/2011	ND	384	96.0	400	4.08		

TPH 8015M		mg/kg		Analyzed By: AB						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	1350	100	10/25/2011	ND	171	85.6	200	1.17		
DRO >C10-C28	20900	100	10/25/2011	ND	151	75.7	200	6.18		

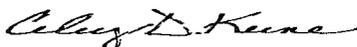
Surrogate: 1-Chlorooctane 119% 55.5-154

Surrogate: 1-Chlorooctadecane 92.2% 57.6-158

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

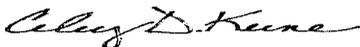
Notes and Definitions

- 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

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: <u>Talon/LPE</u>		P.O. #:	
Project Manager: <u>Mike Stubblefield</u>		Company: <u>Talon/LPE</u>	
Address: <u>408 West Texas Ave.</u>		Attn:	
City: <u>Artesia</u> State: <u>NM</u> Zip: <u>88210</u>		Address:	
Phone #: <u>505-441-7284</u> Fax #:		City:	
Project #: <u>761162-002-01</u> Project Owner: <u>Cimarron Energy</u>		State: Zip:	
Project Name: <u>Federal TB release</u>		Phone #:	
Project Location: <u>sec 4-T185-R31E</u>		Fax #:	
Sampler Name: <u>Mike Stubblefield</u>			

FOR LAB USE ONLY	Lab I.D.	Sample I.D.	(C)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.			SAMPLING		8015 m TPH	8021 BTEX	Total chloride
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER	DATE	TIME			
	<u>H102204</u>																	
	<u>1</u>	<u>S 1 Northside wall</u>	<u>C</u>								<input checked="" type="checkbox"/>			<u>10/14/2011</u>	<u>9:25:14</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	<u>2</u>	<u>S 2 Eastside wall</u>	<u>C</u>								<input checked="" type="checkbox"/>			<u>10/19/2011</u>	<u>9:44:0</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	<u>3</u>	<u>S 3 Southside wall</u>	<u>C</u>								<input checked="" type="checkbox"/>			<u>10/19/2011</u>	<u>9:44:4</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	<u>4</u>	<u>S 4 Westside wall</u>	<u>C</u>								<input checked="" type="checkbox"/>			<u>10/19/2011</u>	<u>9:44:2</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

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Relinquished By: <u>Mike Stubblefield</u>	Date: <u>10/21/11</u>	Received By: <u>CB</u>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time: <u>12:45</u>		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished by:	Date:	Received By: <u>Jodi Newson</u>	REMARKS:	
	Time:			
Delivered By: (Circle One)	Sample Condition	CHECKED BY: (Initials)		
Sampler - UPS - Bus - Other:	Cool Intact	<u>JH</u>		
	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
	<input type="checkbox"/> No <input type="checkbox"/> No			

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

#26

November 16, 2011

MIKE STUBBLEFIELD

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: FEDERAL T B NO. 1

Enclosed are the results of analyses for samples received by the laboratory on 11/11/11 14:30.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method SW-846 8260	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method TX 1005	Total Petroleum Hydrocarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

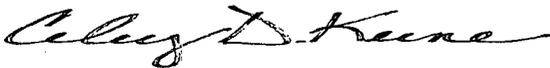
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (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
 MIKE STUBBLEFIELD
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

 Received: 11/11/2011
 Reported: 11/16/2011
 Project Name: FEDERAL T B NO. 1
 Project Number: 701162.002.01
 Project Location: SEC.5.T18S.R31E

 Sampling Date: 11/11/2011
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: S-5 WESTSIDE WALL (H102456-01)
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	11/14/2011	ND	1.93	96.4	2.00	2.90	
Toluene*	<0.050	0.050	11/14/2011	ND	1.86	92.9	2.00	4.31	
Ethylbenzene*	<0.050	0.050	11/14/2011	ND	2.11	105	2.00	4.96	
Total Xylenes*	<0.150	0.150	11/14/2011	ND	6.10	102	6.00	5.24	

Surrogate: 4-Bromofluorobenzene (PII) 101 % 70.7-118

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	11/16/2011	ND	208	104	200	5.33	
DRO >C10-C28	41.1	10.0	11/16/2011	ND	223	111	200	4.11	

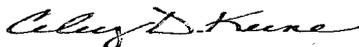
Surrogate: 1-Chlorooctane 86.6 % 55.5-154

Surrogate: 1-Chlorooctadecane 103 % 57.6-158

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

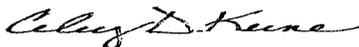
Notes and Definitions

- 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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: <u>Talon/LPE</u>		BILL TO		ANALYSIS REQUEST												
Project Manager: <u>Mike Stubbelfield</u>		P.O. #:														
Address: <u>408 W. Texas Ave.</u>		Company: <u>Talon/LPE</u>														
City: <u>Artesia</u> State: <u>NM</u> Zip: <u>88210</u>		Attn:														
Phone #: <u>505-441-9254</u> Fax #:		Address:														
Project #: <u>0001162.002.01</u> Project Owner: <u>Cimarex Energy</u>		City:														
Project Name: <u>Federal TB No. 1 release</u>		State: Zip:														
Project Location: <u>scr. 4-T105-R31E</u>		Phone #:														
Sampler Name: <u>Mike Stubbelfield</u>		Fax #:														
FOR LAB USE ONLY												2015.12.18 JPH 2015.12.18 JTE				
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX				PRESERV.		SAMPLING						
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME		
<u>H102436</u>	<u>S-5 Westside Well</u>	<u>G</u>				<input checked="" type="checkbox"/>					<input checked="" type="checkbox"/>		<u>11/11/2011</u>	<u>12:31 P</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

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Relinquished By: <u>Mike Stubbelfield</u>	Date: <u>11/11/2011</u> Time: <u>2:30 PM</u>	Received By: <u>Joeli Newton</u>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By:	Date:	Received By:	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - <u>Other</u>		Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: (Initials) <u>JN</u>	

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

#26

FINIAL FORM 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 : Cimarex Energy (162683)	Contact : James Tinney
Address : 600 N Marienfeld Ste 600, Midland TX 79701	Telephone No. : 575-706-0095
Facility Name : Federal No. 1	Facility Type: Tank Battery
Surface Owner : BLM	Mineral Owner BLM
	Lease No. : NM 106964 API #30-015-25460 2RP-747

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
I	5	18S	31E	2080	FSL	560	FEL	Eddy

Latitude 30.77444 N Longitude -103.88520 W

NATURE OF RELEASE

Type of Release : Crude Oil	Volume of Release : 260 bbls	Volume Recovered: 135 bbls
Source of Release : Corrosion at tank connection	Date and Hour of Occurrence: 3/9/11	Date and Hour of Discovery: 3/9/11
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? 3/9/11 left mgs on voicemail	
By Whom?	Date and Hour : Jim Amos on 4/11/11	
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.*

Corrosion on back of tank at 3'x4' connection. A vacuum truck was brought to the location to recover all standing fluids. The area affected was contained within the bermed battery. Talon /LPE was contracted to perform site assessments and take vertical delineation of soil analysis.

Describe Area Affected and Cleanup Action Taken.*

The impacted area inside the berm was excavated to a depth of 2-feet. The impacted soil was transported to a NMOCDC approved solid waste facility. The excavation was left open until confirmation samples were approved by the BLM and approval was granted to backfill the excavation to grade using new material transported from a local borrow pit. A 20 mil. liner was subsequently installed inside the berm and around the tanks.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCDC 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 NMOCDC 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, NMOCDC 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: <i>James Tinney</i> 1/25/12	OIL CONSERVATION DIVISION	
Printed Name: James Tinney	Approved by District Supervisor:	
Title: Assistant Production Foreman	Approval Date:	Expiration Date:
E-mail Address: jtinney@cimarex.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 12/29/11 Phone: 575-706-0095		

* Attach Additional Sheets If Necessary