# Bratcher, Mike, EMNRD

From:

Michael Stubblefield [mstubblefield@talonlpe.com]

**Sent:** Tuesday, March 27, 2012 9:50 AM

To: Bratcher, Mike, EMNRD

Cc: jamos@blm.gov; James Tinney

Subject: Notification to witness soil samples to be collected at the Cimarex Energy PENNY PINCHER

FED COM NO 3 2RP-806

Dear Mr. Bratcher,

Talon/LPE will be collecting a soil sample for analytical at the Cimarex Energy Penny Pincher Fed. Com. No.3 release. The soil sample will be collected from the over sprayed area located north of the tank battery which was treated using Micro-Blaze.

Soil sampling date: 3/27/2012.Soil sampling time: 1:30 Pm.

IF further information is required please contact me.

#### Mike Stubblefield

Project Manager
Talon/LPE
408 West Texas Avenue
Artesia, New Mexico 88210
(575) 746.8768 phone
(575) 746.8905 fax
(575) 441.7254 cell
www.talonlpe.com



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: 2011, 2010, 2009, 2008, 2007



April 18, 2012

RECEIVED

APR **25** 2012 NMOCD ARTESIA

Mr. Mike Bratcher

NMOCD District 2

811 S. 1<sup>st</sup> Street

Artesia, NM 88210

921 North Bivins Amarillo. Texas 79107 Phone 806.467.0607 Fax 806.467.0622

ARTESIA

**AMARILLO** 

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

AUSTIN

9II West Anderson Lane Suite 202 Austin, Texas 78757 Phone 5I2.989.3428 Fax 5I2.989.3487

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

II 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

ENVIRONMENTAL CONSULTING ENGINEERING

> DRILLING CONSTRUCTION SPILL MANAGEMENT GENERAL CONTRACTING

Subject: Remediation and Closure Report

Cimarex Energy Corporation

Penny Pincher Federal Com No.003H Tank Battery Release

API # 30-015-38296 - 2RP-806

Dear Mr. Bratcher,

Cimarex Energy has contracted Talon/LPE (Talon) to perform soil assessment and remediation services at the above referenced Penny Pincher Federal Com 003H Tank Battery release. The incident description, soil assessment results, remediation activities and closure request are submitted herein:

#### **Incident Date**

June 25, 2011

# **Background Information**

The Penny Pincher Federal Com 003H Tank Battery is located approximately forty-four (44) miles southeast of Artesia, New Mexico. The legal location for the site is Section 21, Township 19 South and Range 31 East in Eddy County, New Mexico. More Specifically the latitude and longitude for the release are 32.652292 North and -103.87328 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, are comprised of alluvium and eolian sands which include silty soils under lain by sand stone and hard caliches. The New Mexico State Engineer web site indicates the nearest ground water data to be in S36-T19S-R31E. The ground water in Section 36 is reported to be at depth of 130' below ground surface (bgs). The referenced groundwater data is presented in Appendix I.

The ranking for this site is 0 based on the as following:

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

Toll Free: 866.742.0742 www.talonlpe.com

# **Incident Description**

The vent back pressure valve malfunctioned blowing oil out of the thief hatch which caused over spray behind the tanks. 10 barrels of oil was caught inside the lined containment of the tank battery and recovered by a vacuum truck. The fluids pooled in an area outside the containment behind the tank battery and was measured to be approximately 60-feet long by 11-feet wide. The area impacted by the overspray was measured to be approximately 180-feet long by 114-feet wide. A site plan illustrating the work area is attached.

#### **Remedial Actions**

On July 15, 2011 Talon personnel mobilized to the subject facility to carry out remedial actions. The impacted area from the overspray was scraped/furrowed using pick axes and hand tools to enhance adsorption of the Micro Blaze solution into the location. A total of 500-gallons of fresh water and Micro Blaze were mixed according to manufacture specifications and spray applied onto the impacted area.

On November 7, 2011 Talon/LPE mobilized personnel to begin excavation activities. The impacted soil from this hydrocarbon release in the pooling area was excavated to a depth of 3.5 feet deep and transported to a NMOCD approved solid waste disposal facility, Lea Land, LLC pursuant to the work plan.

On November 14, 2011 Talon personnel remobilized to the site to begin closure soil sampling activities on the bottom and sidewalls of the excavations. Grab soil samples were collected and submitted for laboratory analysis. The excavated area was left open until approval for backfilling was obtained from the NMOCD and BLM.

On November 22, 2011 Talon personnel returned to the site to apply a second treatment of Micro Blaze on the overspray area. A total of 500 gallons of fresh water and Micro Blaze were mixed according to manufacture specifications and re-applied to the impacted area.

On March 27, 2011 Talon returned to the site to do a 90-day confirmation sample from the Micro Blaze. A grab soil sample was collected and submitted for laboratory analysis. 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 method SM4500Cl-B. The complete laboratory report is attached as Appendix II.

## **Analytical Results**

Analytical results received from Cardinal Laboratories are summarized below:

November 18, 2011

Sample, Depth	<u>BTEX</u>	TPH (mg/kg)
S-1, Bottom 3.5' S-2, North sidewall S-3, East sidewall S-4, South sidewall S-5, West sidewall	0.566 <0.150 <0.150 1.756 <0.150	342.2 <10 <10 76.4 <10
S-6, Treated Area N of Tank Battery	< 0.150	9440
April 2, 2012		
Sample, Depth	<u>BTEX</u>	TPH (mg/kg)
S-7, Treated Area N of Tank Battery	< 0.150	4540

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 5,000 mg/kg.

## **Summary and Conclusions**

- Ground water in the project vicinity is greater than 100-feet below land surface per the New Mexico State Engineer Database.
- 500-gallons of Micro Blaze solution were applied to the over spray area on two separate occasions. A 90-day post application soil sample was done on the Micro Blazed area on both occasions.
- The impacted soil from this hydrocarbon release in the pooling area was excavated to a depth of 3.5-feet deep. The excavated soil was transported to a NMOCD approved solid waste disposal facility. The excavation was left open until NMOCD and BLM approved the confirmation samples from the excavation.
- Upon the approval from the NMOCD and the BLM the excavated area was backfilled to grade using new material transported from a local borrow pit. The area was contoured to match the surrounding location.
- Based on the depth to groundwater and the contamination levels detected in the soil, it is unlikely that the impacts identified from this release will pose a threat to groundwater.

# Closure

Therefore, on behalf of Cimarex Energy, 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

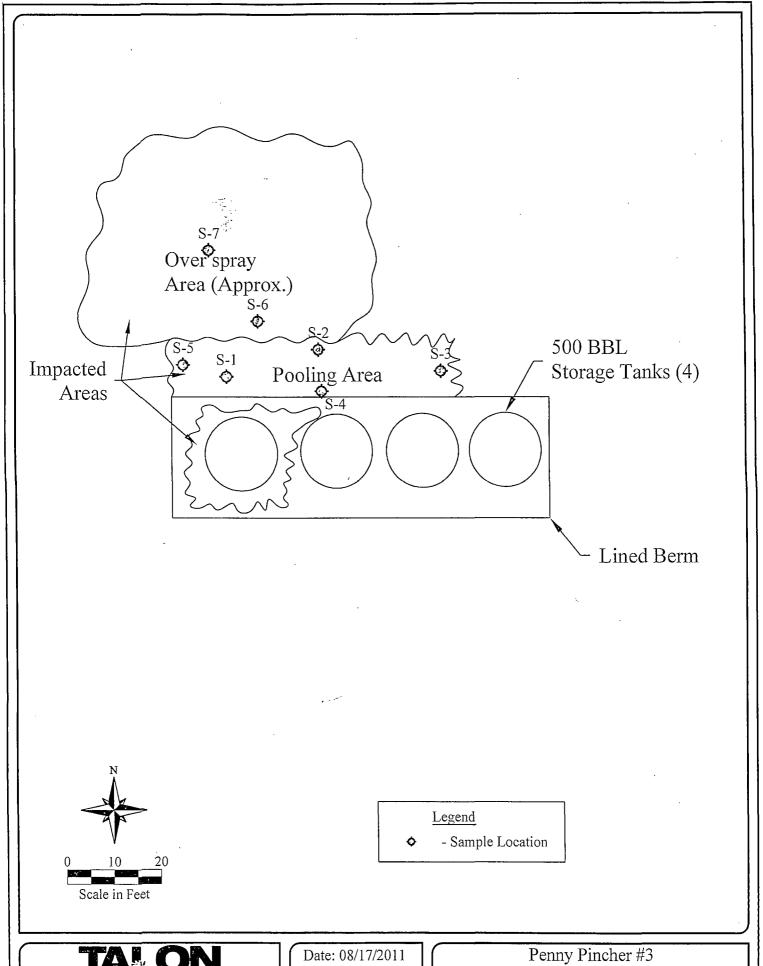
Mike Stubblefield

Project Manager

David J. Adkins

District Manager

# SITE MAP





Scale: 1" = 20'

Drawn By: TJS

Penny Pincher #3
Cimarex
Eddy County, New Mexico
Figure 1 - Site Plan

# 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)														
			(qua	rters a	e s	malle	est to l	argest)	(NAD83	UTM in me	eters)	(lr	n feet)	
	Sub			QQ	Q		÷				٠. ا	Depth Depth Water		
POD Number	basin	Use	County	64 16	4	Sec	Tws	Rng	X	Υ	Distance	WellV	VaterCo	olumn
CP 00829		STK	LE	2	4	16	198	31E	606165	3614009*	710	120		
CP 00642 EXPL		EXP	ED.	2	2	25	198	31E	611025	3611657*	5216	250		
CP 00641 EXPL		EXP	ED	4	1	36	198	31E	610247	3609634*	5556	300	130	170
CP 00640 EXPL		EXP	LE	2	2	19	198	32E	612621	3613280*	6546	260	102	158
CP 00639 EXPL		EXP	LE	3	1	20	19S	32E	613029	3612880*	6966	350	345	5
										Avera	ge Depth to	Water:	192 fe	et
											Minimum	Depth:	102 fe	et
											Maximum	Depth:	345 fe	et

Record Count: 5

UTMNAD83 Radius Search (in meters):

Easting (X): 606075

Northing (Y): 3613304

Radius: 7000

<sup>\*</sup>UTM location was derived from PLSS - see Help

# APPENDIX II LABORATORY RESULTS



November 18, 2011

MIKE STUBBLEFIELD

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: PENNY PINCHER NO 3

Enclosed are the results of analyses for samples received by the laboratory on 11/14/11 12:57.

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 Hydorcarbons

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

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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

Received:

11/14/2011

Reported:

11/18/2011

Project Name:

PENNY PINCHER NO 3

Project Number:

701162.004.01

Project Location:

SEC. 21-T19S-R31E

Sampling Date:

. 11/14/2011

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

# Sample ID: S-1 BOTTOM 3.5 BGS (H102467-01)

BTEX 8021B	mg,	'L	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/15/2011	ND	1.99	99.7	2.00	9.49	
Toluene*	0.125	0.050	11/15/2011	ND	1.93	96.6	2.00	9.38	
Ethylbenzene*	0.132	0.050	11/15/2011	ND	2.20	110	2.00	10.8	
Total Xylenes*	0.309	0.150	11/15/2011	ND	6.40	107	6.00	10.3	
Surrogate: 4-Bromofluorobenzene (PIL	117	% 70.7-11	8						
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	23.2	10.0	11/16/2011	ND	208	104	200	5.33	
DRO >C10-C28	319	10.0	11/16/2011	ND	223	111	200	4.11	
Surrogate: 1-Chlorooctane	87.1	% 55.5-15							
Surrogate: 1-Chlorooctadecane	93.4	% 57.6-15	:8						

Cardinal Laboratories \*=Accredited Analyte

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Celeg D. Keene



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MIKE STUBBLEFIELD
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Fax To: (575) 745-8905

Received:

11/14/2011

11/18/2011

Sampling Date:

11/14/2011

Reported:

ENNY DINCHED NO

Sampling Type:

Soil

Project Name:

PENNY PINCHER NO 3

Sampling Condition:

Cool & Intact

Project Number:

701162.004.01

Sample Received By:

Jodi Henson

Project Location:

SEC. 21-T19S-R31E

Sample ID: S-2 NORTHSIDE WALL (H102467-02)

BTEX 8021B	mg/	<u>L</u>	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/15/2011	ND	1.99	99.7	2.00	9.49	
Toluene*	<0.050	0.050	11/15/2011	ND	1.93	96.6	2.00	9.38	
Ethylbenzene*	<0.050	0.050	11/15/2011	ND	2.20	110	2.00	10.8	
Total Xylenes*	<0.150	0.150	11/15/2011	ND	6.40	107	6.00	10.3	
Surrogate: 4-Bromofluorobenzene (PIL	106 9	% 70.7-11	8						
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/16/2011	ND	208	104	200	5.33	
DRO >C10-C28	<10.0	10.0	11/16/2011	ND	223	111	200	4.11	
Surrogate: 1-Chlorooctane	80.6	% 55.5-15	4						
Surrogate: 1-Chlorooctadecane	93.2	% 57.6-15	8						

4----------

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Celecy D. Keene



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(575) 745-8905 Fax To:

Received:

11/14/2011

Sampling Date:

11/14/2011

Reported:

11/18/2011

Sampling Type:

Soil

Project Name:

PENNY PINCHER NO 3

Cool & Intact

Project Number:

701162.004.01

Sampling Condition: Sample Received By:

Jodi Henson

Project Location:

SEC. 21-T19S-R31E

Sample ID: S-3 EASTSIDE WALL (H102467-03)

BTEX 8021B	mg/	'L	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/15/2011	ND	1.99	99.7	2.00	9.49	
Toluene*	<0.050	0.050	11/15/2011	ND	1.93	96.6	2.00	9.38	
Ethylbenzene*	<0.050	0.050	11/15/2011	ND	2.20	110	2.00	10.8	
Total Xylenes*	<0.150	0.150	11/15/2011	ND	6.40	107	6.00	10.3	
Surrogate: 4-Bromofluorobenzene (PIL	106	% 70.7-11	8						
TPH 8015M	mg,	'kg	Analyze	d By: MS	···				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/16/2011	ND -	208	104	200	5.33	
DRO >C10-C28	<10.0	10.0	11/16/2011	ND	223	111	200	4.11	
Surrogate: 1-Chlorooctane	79.3	% 55.5-15	4					·	
Surrogate: 1-Chlorooctadecane	93.2	% 57.6-15	8						

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Celey & Keene

Celey D. Keene, Lab Director/Quality Manager



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Fax To: (575) 745-8905

Reported: 11/18/2011

Received:

Project Name: PENNY PINCHER NO 3

11/14/2011

Project Number: 701162.004.01
Project Location: SEC. 21-T19S-R31E

C----

Sampling Date:

11/14/2011

Soil

Sampling Type: Sampling Condition: Sample Received By:

Cool & Intact

Jodi Henson

# Sample ID: S-4 SOUTHSIDE WALL (H102467-04)

BTEX 8021B	mg/	L	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/15/2011	ND	1.99	99.7	2.00	9.49	
Toluene*	0.353	0.050	11/15/2011	ND	1.93	96.6	2.00	9.38	
Ethylbenzene*	0.433	0.050	11/15/2011	ND	2.20	110	2.00	10.8	
Total Xylenes*	0.970	0.150	11/15/2011	ND	6.40	107	6.00	10.3	
Surrogate: 4-Bromofluorobenzene (PIL	132 9	% 70.7-11	8						
TPH 8015M	mg/	kg	Analyze	d By: MS		·			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	11.7	10.0	11/16/2011	ND	208	104	200	5.33	
DRO >C10-C28	64.7	10.0	11/16/2011	ND	223	111	200	4.11	
Surrogate: 1-Chlorooctane	91.6	% 55.5-15	4				,		
Surrogate: 1-Chlorooctadecane	101 9	6 57.6-15	8						

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Fax To:

(575) 745-8905

Received:

11/14/2011

11/18/2011

Sampling Date:

11/14/2011

Reported:

Sampling Type:

Soil

Project Name:

PENNY PINCHER NO 3

Sampling Condition:

Cool & Intact

Project Number:

701162.004.01

Sample Received By:

Jodi Henson

Project Location:

SEC. 21-T19S-R31E

#### Sample ID: S-5 WESTSIDE WALL (H102467-05)

BTEX 8021B	mg/l	L	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/15/2011	ND	1.99	99.7	2.00	9.49	
Toluene*	<0.050	0.050	11/15/2011	ND	1.93	96.6	2.00	9.38	
Ethylbenzene*	<0.050	0.050	11/15/2011	ND	2.20	110	2.00	10.8	
Total Xylenes*	<0.150	0.150	11/15/2011	ND	6.40	107	6.00	10.3	
Surrogate: 4-Bromofluorobenzene (PIL	106 %	6 70.7-11	8						
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/16/2011	ND	198	99.2	200	5.53	
DRO >C10-C28	<10.0	10.0	11/16/2011	ND	208	104	200	6.57	
Surrogate: 1-Chlorooctane	105 %	6 55.5-15	4						
Surrogate: 1-Chlorooctadecane	121 %	6 57.6-15	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



TALON LPE MIKE STUBBLEFIELD 408 W, TEXAS AVE. ARTESIA NM, 88210

Fax To:

(575) 745-8905

Received:

11/14/2011

11/18/2011

Sampling Date:

11/14/2011

Reported:

Sampling Type:

Soil

Project Name:

PENNY PINCHER NO 3

Sampling Condition:

Cool & Intact

Project Number:

701162.004.01

Sample Received By:

Jodi Henson

Project Location:

SEC. 21-T19S-R31E

Sample ID: S-6 TREATED AREA N OF TANK BATT (H102467-06)

BTEX 8021B	mg/l	L	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/15/2011	ND	1.99	99.7	2.00	9.49	
Toluene*	<0.050	0.050	11/15/2011	ND	1.93	96.6	2.00	9.38	
Ethylbenzene*	<0.050	0.050	11/15/2011	ND	2.20	110	2.00	10.8	
Total Xylenes*	<0.150	0.150	11/15/2011	ND	6.40	107	6.00	10.3	
Surrogate: 4-Bromofluorobenzene (PIL	105 %	6 70.7-11	8						
TPH 8015M	mg/	kg	Analyze	d By: MS		<del></del>	<u> </u>		S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<100	100	11/17/2011	ND	198	99.2	200	5.53	
DRO >C10-C28	9440	100	11/17/2011	ND	208	104	200	6.57	
Surrogate: 1-Chlorooctane	101 %	6 55.5-15	4						
Surrogate: 1-Chlorooctadecane	208 %	6 57.6-15	.8						

Cardinal Laboratories

\*=Accredited Analyte

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Celey & Keine

Celey D. Keene, Lab Director/Quality Manager



## **Notes and Definitions**

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
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 SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories \*=Accredited Analyte

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

Celey & Keene



. . . . . . .

# **CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

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

Company Name: Talon /LPE							ANALYSIS REQUEST																
Project Manage	F. Mike Stubblefield						P.(	0. #															
Address:	408 WEST TOXAS A.	·c.					Co	mp	any:	Talen/L	PE										1		
City:	Artegia Sta	to: ルか Z	ip: ξ	3850	0		Att	tn:				1 1						) i			1	Ì	
Phone #:	505-441-0254 Fax							dre	ss:			<u> </u>		اپ			i				ļ		
Project #:	701162.004.01 Proj	ect Owner:	Cim	PATCK	Ent	75V	Cit	y:						10			į					- [	
Project Name:	Penny Pincher Fee	. Com. No	. 3			<i>"</i>	Sta	ato:		Zip:				#			]						
Project Location	n: sct.21-7195. R	315	_					Phone #:				<b>1</b> 1		داد							- 1	1	1
Sampler Name:	mise Stillfield						Fa	Fax #:					*							ļ	- 1		
FOR LAB USE ONLY			. [		MAT	RIX		PR	SERV	SAMPL	ING	₹	1	ide							l	1	
Lab I.D. H102467	Sample I.D.	and an available	# CONTAINERS	GROUNDWATER	SOIL	OIL	OTHER:	ACID/BASE:	ICE / COOL OTHER:	DATE	TIME	8015 M TPH	8021 B BTEY	1									
	5-1 Bottom 3.5 15	۶. (			v		7		v	11/14/04	10:44 A	1	V	1									
2	5-1 Bottom 3.5'bg 5-2 North side wall				v				v	11/14/2011		V	V	V									
3 5.3 Eastside wall G V							J	u   14   Zon	10:53 A	<u></u>	v	1											
4	5.4 Southside wall				V	$\perp$			<u>v</u>	11/14/2011		<u></u>	v	<u>v</u>		<u> </u>							
5	5.5 Westside wall				10		_		<u>u</u>	11/14/2011	11:06 A			1	<u> </u>								
6	5-6 Treated ARCA No	.Th of C	1	1	10	4	_		U	11/14/2011	11:12 A	V	1			<u> </u>							
	· tank battery.		- -		$\perp$		4_					[				<b> </b>							
			4	+	-		4				ļ			ļ		<del> </del> -	<b> </b>						
<del></del>			- -	-			-		<u> </u>							-							
analyses, All claims include spivice, in no event shall C	nd Demages, Cardinet's Sability and olicet's exclu- ng these for negligence and any other cause what ordinal be Sable for Incidental or consequental de	teaver shall be deen mages, including will	ned wei krill huor	ived unless ilužon, bus	made in iness inte	weiting a	nd recei s, less o	ived by fuse, (	Cardinal or loss of p	within 3D days all relits incurred by	er completion of f client, its subsidie	10 applicat 1104,	ole .	<u> </u>		J	L	J	<u></u>				
Relinquished By	ng out of or related to the performance of service /: Date	hereunder by Carde		ived B		uch clak	n is bes	od upo	n any of th	e above stated re	Phone Re		□ Ye	s 🗆	No	Add'l	Phone	#:					
سہ س	11/	14/2011	1/1	M.	•	1	//	, ,	A n		Fax Resul		☐ Ye	s 🗆	No	Add'l	Fax#:						
mile Stull	اللفال اللفائل	12-524	11	M			LL,	w	10														
Kolinguisnoa By	Rollinguishod By: Date: Received By:																						
Delivered By: (Circle One)  Sample Condit Cool Intact  Sampler - UPS - Bus - Other:  Sample Condit Cool Intact  Yes E Yes  No No				ndition CHECKED BY: ct (lititals) Yes (No. 1)																			
† Cardinal	cannot accept verbal chang	es. Please fa	x Wi					-393 -#	-2476 Z	6													



April 02, 2012

MIKE STUBBLEFIELD

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: PENNY PINCHER FED, COM, NO 3

Enclosed are the results of analyses for samples received by the laboratory on 03/27/12 15:04.

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

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

Method EPA 552.2

Haloacetic Acids (HAA-5)

Method EPA 524.2

Total Trihalomethanes (TTHM)

Method EPA 524.4

Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celeg & Keene

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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

Received:

03/27/2012

Sampling Date:

03/27/2012

Reported:

04/02/2012

Sampling Type:

Soil

Project Name:

PENNY PINCHER FED. COM. NO 3

Sampling Condition:

\*\* (See Notes)

701162.004.01

Sample Received By:

Amanda Ponce

Project Number:

Project Location: SEC. 21-T19S-R31E

# Sample ID: S-7 0' TREATED AREA N OF TANK BATT (H200729-01)

BTEX 8021B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/30/2012	ND	1.97	98.3	2.00	4.99	
Toluene*	<0.050	0.050	03/30/2012	ND	2.11	105	2.00	5.41	
Ethylbenzene*	<0.050	0.050	03/30/2012	ND	2.13	106	2.00	5.66	
Total Xylenes*	<0.150	0.150	03/30/2012	ND	6.66	111	6.00	6.07	
Surrogate: 4-Bromofluorobenzene (PIL	97.2	% 64.4-13	4						
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<100	100	03/28/2012	ND	193	96.3	200	3.15	
DRO >C10-C28	4540	100	03/28/2012	ND	181	90.4	200	7.27	
Surrogate: 1-Chlorooctane	107 9	% 55.5-15	:4						
Surrogate: 1-Chlorooctadecane	150 9	% 57.6-15	8						

Cardinal Laboratories

\*=Accredited Analyte

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

Celey D. Keine



#### **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. Keine

Celey D. Keene, Lab Director/Quality Manager

# Laboratories

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, MR 88260 (575) 303-2326 FAX (575) 393-2476

Project Manager: mike Stubble hidd P.O. #:  Address: 408 Not Text No. Company: Tele, Let City: Arteria State: Nf. Zip: 98 ZiO Attm:  Phone #: 531-441-7254 Fan #: Address:  Project Name: Penny Pacher Fel. 60 Ms 3 State: Zip:  Project Location: Sec. 21-713-816  Sample Mane: N.Q. Company: Tele, Let C	
City: Actoria State: NM Zip: 88 ZiO Actoria  Phone S: 501-441-7254 Fail S: Address:  Project S: 70116Z-004.01 Project Owner: Cimarax Energy  Project Name: Penny Pincher Fell. Co No 3 State: Zip:  Project Lucation: sec. 71 - 771-886  Sampler Name: N.2. Scaller II  For Lab I.D. Sample: I.D. MATRIX PRESERV) SAMPLING  Lab I.D. Sample: I.D. Barre Tige  BATE Tige  BATE Tige  BATE Tige	
City: Actoria State: NM Zip: 88 ZiO Actoria  Phone S: 501-441-7254 Fail S: Address:  Project S: 70116Z-004.01 Project Owner: Cimarax Energy  Project Name: Penny Pincher Fell. Co No 3 State: Zip:  Project Lucation: sec. 71 - 771-886  Sampler Name: N.2. Scaller II  For Lab I.D. Sample: I.D. MATRIX PRESERV) SAMPLING  Lab I.D. Sample: I.D. Barre Tige  BATE Tige  BATE Tige  BATE Tige	
Project #: 701162.004.01 Project Owner: Cimure & Energy City:  Project Name: Prony Proher Fol.05 No. 3 Stato: Zip:  Project Lucation: Sec. 21. Thi-R31E  Sampler Name: Prox Similar Preserv) Sampling  Fax #:  For the use only  Lato I.D. Sample I.D. Bample I.D.	
Project Name: Penny Pincher Folico. Mo 3 / State: Zip:  Project Location: Sec. 21 · Traj · R31E / Phone ii:  Sampler Name: N.Q. Schollejiii Fax & Phone ii:  For Lob U.S. Sampler I.D. MATEIX PRESERVI SAMPLING  Lab I.D. Sampler I.D. Bampler	
Project Name: Penny Pincher Folico. Mo 3 / State: Zip:  Project Location: Sec. 21 · Traj · R31E / Phone ii:  Sampler Name: N.Q. Schollejiii Fax & Phone ii:  For Lob U.S. Sampler I.D. MATEIX PRESERVI SAMPLING  Lab I.D. Sampler I.D. Bampler	
Project Lucation: Sec. 71 - 741-R31E  Sampler Name: Pas &: For the use only  Lab I.D. Sample: I.	
FOUNDMATER SOUL STUDGE SOUL STUDGE SOUL STUDGE SOUL STUDGE SOUL STAND SOUL ST	
CONTAINERS  SOIL	
Haus 139   「	
\ S.70' Trusted ATTU North G \ / 3/27/012 1:470 /	
of interes	
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PLEASE NOTE: Liability and Demayes. Caruma's lability and client's exclusive remety for any client arising whether bases in contract or tort, shall be indied to the amount paid by the client for the number of the applicable	
invice. In no event shall Cardinal be liable for incidental or consequential damages, including without finitiation, business interruptions, less of use, or loss of profits incurred by client, its subsidiaries, iffliates or successors phising out of or related to the performance of services becoming by Cardin II, reparates of whether such plain is based upon over of the above a tablet masons or otherwise.	
Refinquished By:   Date:   Received By:   Phone Result:   Li Yes   Di No   Add'l Phone It:     Fax Result:   Li Yes   Di No   Add'l Fax It:	1
Relinquished By:  Date: 3/27/2012 Received By:  Phone Result: 1 Ves 10 No Artel Phone II:  Fax Result: 11 Ves 15 No Add Fax II:  Time: 3 0 1 Pm Level Artel Phone II:  Table Airles  To al Stable full 1 Ves 15 No Add Fax II:  Table Airles  The fax Result: 1 Ves 15 No Add Fax II:  The	
Retinquished by: Date: Received By:	기
MalStallfull Time:  Pack Result: 1.1 Yes 17 No Add Fax #:  Retinquished kly:  Time:  T	Í
Delivered By: (Circle One)   Sample Condition   CHECKED BY:	
Sampler - UPS - Bus Other 85 C 135 C No	

# 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** 

_						<b>OPERA</b>	ΓOR		Initia	al Report		Final Report	
		Cimarex Ene	(62683)		Contact: James Tinney								
Address: 600 N Marienfeld Ste 600, Midland TX 79701						Telephone No.: 575-706-0095							
Facility Name: Penny Pincher Federal Com #3H						Facility Type: Tank Battery							
Surface Owner: Mineral Owner										ease No.: API #30-015-38296 RP-806			
				LOCA	ATIO	N OF REI	LEASE						
Unit Letter B	Section 21	Township 19S	Range 31E	Feet from the 330'	North/ FNL	h/South Line Feet from the 2310'		East/West Line FEL		County Eddy			
			Latitu	de <u>32.65234</u> 1			e <u>-103.87318</u>	W					
				NAT	TURE	OF REL							
Type of Rele					Volume of Release: 15 bbls Volume Recovered: 10								
		ve malfunction				Hour of Occurrence	:e: D	ate and	Hour of Dis	covery:			
Was Immediate Notice Given?  ☐ Yes ☐ No ☐ Not Required						If YES, To Whom? d 6/25/11 BLM / Mr. Legion & Jim Amos							
By Whom?						Date and Hour: 6/25/2011							
Was a Watercourse Reached? ☐ Yes ☒ No						If YES, Volume Impacting the Watercourse.							
Vent back p the lined cor Describe Ar battery was until confirm a local borro I hereby cert regulations a public health should their or the enviro	ressure valver trainment of ea Affected excavated to nation samp ow pit. The tify that the fall operators or the environment. In a	of the tank batter and Cleanup to a depth of 3. less were approverspray are information get are required fronment. The have failed to	blowing of the transfer. The transfer. The transfer. The transfer. The transfer and transfer. The transfer and transfer and transfer. The transfer are acceptant adequately OCD accept	bil out of thief hat ank was isolated, ken.* Talon/LP he impacted soil we NMOCD and Born Blazed on two e is true and compand/or file certain accept of a C-141 reput provinces in the same and the same and the same accept a contract of the same accept a contract of the same accept and the same accept accept a contract of the same accept accept a contract of the same accept accept accept accept a contract of the same accept accept accept accept a contract of the same accept accept accept accept a contract of the same accept accept a contract of the same accept acce	repaired E was covas transp LM and separate plete to the release n ort by the	and put back ontacted for the ported to a N approval to be occasions where best of my otifications are NMOCD me contaminat	ne correction of the MOCD approved backfill the excava ith analytical testing knowledge and und perform correctarked as "Final Rion that pose a three the operator of	ne release. solid waste ation to grang done for anderstand ctive action deport" doe reat to grouresponsibil	The imperent facility and eusing or each are that pursues for release not related that the thing water the thing water that the thing w	acted area book. The excave genew materi pplication. Suant to NM eases which ieve the oper, surface was compliance version.	ehind the vation was all transported of the community of	ne tank vas left open ported from ules and idanger liability man health	
C:							OIL CONSERVATION DIVISION						
Signature:						Approved by District Supervisor:							
Printed Nam	ne: James T	inney						<del></del>				<del></del>	
Title: Produ	ection Foren	nan	·			Approval Da	te:	Ex	piration	Date:			
E-mail Address: jtinney@cimarex.com						Conditions of Approval:				Attached			
Date: 04/0 Attach Add	3/2012 itional She			-706-0095									

District I
1625 N. French Dr., Hobbs, NM 88240
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# 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 1 16 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 Type: Tank Battery Facility Name: Penny Pincher Pederal Com #3H Surface Owner: Mineral Owner Lease No.: API #30-015-38296 2RP-806 LOCATION OF RELEASE Unit Letter Section Township Range Feet from the North/South Line Feet from the East/West Line County Eddy В 198 31E 330 FNL 2310' FEL. Longitude -103.87318 W Latitude <u>32.65234 N</u> NATURE OF RELEASE Volume of Release: 15 bbls Type of Release: Cnide Oil Volume Recovered: 10 bbls Source of Release: Valve malfunction Date and Hour of Occurrence: Date and Hour of Discovery: Was Immediate Notice Given? If YES, To Whom? Yes □ No □ Not Required 6/25/11 BLM / Mr. Legion & Jim Amos By Whom? Date and Hour: 6/25/2011 Was a Watercourse Reached? If YES, Volume Impacting the Watercourse. ☐ Yes ⊠ No RECEIVED If a Watercourse was Impacted, Describe Fully.\* APR **25** 2012 <del>NMOCD ARTESIA</del> Describe Cause of Problem and Remedial Action Taken.\* Vent back pressure valve malfunction blowing oil out of thief hatch causing overspray behind tanks. A vacuum truck was immediately to pick up the oil in the lined containment of the tank battery. The tank was isolated, repaired and put back into service. Describe Area Affected and Cleanup Action Taken.\* Talon/LPE was contacted for the correction of the release. The impacted area behind the tank battery was excavated to a depth of 3.5-feet. The impacted soil was transported to a NMOCD approved solid waste facility. The excavation was left open until confirmation samples were approved by the NMOCD and BLM and approval to backfill the excavation to grade using new material transported from a local borrow pit. The overspray area was Micro Blazed on two separate occasions with analytical testing done for each application. 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. OIL CONSERVATION DIVISION Signature: Approved by District Supervisor: Printed Nam James Tinney Title: Production Foreman Approval Date: Expiration Date: E-mail Address: jtinney@cimarex.com Conditions of Approval: Attached [

Phone: 575-706-0095

Date: 04/03/2012

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