

## Bratcher, Mike, EMNRD

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**From:** Michael Stubblefield [mstubblefield@talonlpe.com]  
**Sent:** Friday, November 18, 2011 1:34 PM  
**To:** Bratcher, Mike, EMNRD  
**Cc:** jtinney@cimarex.com  
**Subject:** PDF Document H102467 TALON.pdf  
**Attachments:** H102467 TALON.pdf

Dear Mr. Mike Bratcher,

Talon/LPE is sending you the analytical results for the soil samples collected at the Cimarex Energy Penny Pincher Unit No.3 release.

Based upon the analytical results, Cimarex Energy Company is requesting approval to start the backfilling of the excavated area.

If further information is requested please contact me at 575-441-7254.

Sincerely,

Mike Stubblefield  
Talon/LPE Project Manager



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

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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 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:	11/14/2011	Sampling Date:	11/14/2011
Reported:	11/18/2011	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-1 BOTTOM 3.5 BGS (H102467-01)**

BTX 8021B		mg/L		Analyzed 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 % 70.7-118

TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	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	

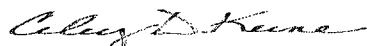
Surrogate: 1-Chlorooctane 87.1 % 55.5-154

Surrogate: 1-Chlorooctadecane 93.4 % 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: 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-2 NORTHSIDE WALL (H102467-02)**

BTX 8021B			mg/L								Analyzed 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 % 70.7-118

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	<10.0	10.0	11/16/2011	ND	223	111	200	4.11		

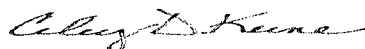
Surrogate: 1-Chlorooctane 80.6 % 55.5-154

Surrogate: 1-Chlorooctadecane 93.2 % 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:	11/14/2011	Sampling Date:	11/14/2011
Reported:	11/18/2011	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-3 EASTSIDE WALL (H102467-03)**

BTEX 8021B		mg/L	Analyzed 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 (PIE) 106 % 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	<10.0	10.0	11/16/2011	ND	223	111	200	4.11	

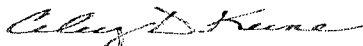
Surrogate: 1-Chlorooctane 79.3 % 55.5-154

Surrogate: 1-Chlorooctadecane 93.2 % 57.6-158

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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:	11/14/2011	Sampling Date:	11/14/2011
Reported:	11/18/2011	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-4 SOUTHSIDE WALL (H102467-04)**

BTEX 8021B	mg/L	Analyzed 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	
<b>Toluene*</b>	<b>0.353</b>	0.050	11/15/2011	ND	1.93	96.6	2.00	9.38	
<b>Ethylbenzene*</b>	<b>0.433</b>	0.050	11/15/2011	ND	2.20	110	2.00	10.8	
<b>Total Xylenes*</b>	<b>0.970</b>	0.150	11/15/2011	ND	6.40	107	6.00	10.3	

Surrogate: 4-Bromofluorobenzene (PIL) 132 % 70.7-118

TPH 8015M	mg/kg	Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10</b>	<b>11.7</b>	10.0	11/16/2011	ND	208	104	200	5.33	
<b>DRO &gt;C10-C28</b>	<b>64.7</b>	10.0	11/16/2011	ND	223	111	200	4.11	

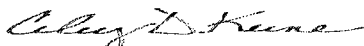
Surrogate: 1-Chlorooctane 91.6 % 55.5-154

Surrogate: 1-Chlorooctadecane 101 % 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:	11/14/2011	Sampling Date:	11/14/2011
Reported:	11/18/2011	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		Analyzed 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 % 70.7-118

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	198	99.2	200	5.53	
DRO >C10-C28	<10.0	10.0	11/16/2011	ND	208	104	200	6.57	

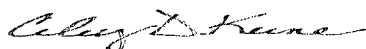
Surrogate: 1-Chlorooctane 105 % 55.5-154

Surrogate: 1-Chlorooctadecane 121 % 57.6-158

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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:	11/14/2011	Sampling Date:	11/14/2011
Reported:	11/18/2011	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)**

BTX 8021B		mg/L	Analyzed 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 % 70.7-118

TPH 8015M		mg/kg	Analyzed By: MS							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		
<b>DRO &gt;C10-C28</b>	<b>9440</b>	100	11/17/2011	ND	208	104	200	6.57		

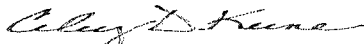
Surrogate: 1-Chlorooctane 101 % 55.5-154

Surrogate: 1-Chlorooctadecane 208 % 57.6-158

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



### Notes and Definitions

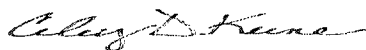
- S-06            The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
- S-04            The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- ND             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

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\*=Accredited Analyte

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Celestine 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>				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>																			
Project Manager: <u>Mike Stubblefield</u>				P.O. #:				<div style="display: flex; flex-direction: column; align-items: center;"> <div>8015M TPH</div> <div>8021B GTEY</div> <div>Total Chlorides * Hold</div> </div>																			
Address: <u>408 West Teral Ave.</u>				Company: <u>Talon / LPE</u>																							
City: <u>Artesia</u> State: <u>NM</u> Zip: <u>88210</u>				Attn:																							
Phone #: <u>575-441-7254</u> Fax #:				Address:																							
Project #: <u>701162-004.01</u> Project Owner: <u>Cimarron Energy</u>				City:																							
Project Name: <u>Penny Pincher Fed. Com. No. 3</u>				State: Zip:																							
Project Location: <u>Sec. 21-T195-R31E</u>				Phone #:																							
Sampler Name: <u>Mike Stubblefield</u>				Fax #:																							
FOR LAB USE ONLY	Lab I.D.	Sample I.D.	(G/RAB OR C/COMP. # CONTAINERS)	MATRIX					PRESERV.			SAMPLING															
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME													
	H102467																										
	1	S-1 Bottom 3.5' bgs.	G			✓							11/14/2011	10:44A	✓	✓	✓										
	2	S-2 North side wall	G			✓							11/14/2011	10:47A	✓	✓	✓										
	3	S-3 East side wall	G			✓							11/14/2011	10:53A	✓	✓	✓										
	4	S-4 South side wall	G			✓							11/14/2011	11:03A	✓	✓	✓										
	5	S-5 West side wall	G			✓							11/14/2011	11:06A	✓	✓	✓										
	6	S-6 Treated Area North of Tank battery.	G			✓							11/14/2011	11:12A	✓	✓											

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Relinquished By:	Date: <u>11/14/2011</u>	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
<u>Mike Stubblefield</u>	Time: <u>12:52A</u>	<u>Jodi Stenson</u>	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:	
	Time:			
Delivered By: (Circle One)		Sample Condition:	CHECKED BY:	
Sampler - UPS - Bus - Other:		Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No	<u>JA</u> (Initials)	

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

#26