

Bratcher, Mike, EMNRD

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



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)

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*	0.125	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	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-2 NORTHSIDE WALL (H102467-02)

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	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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 MIKE STUBBLEFIELD
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 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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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		
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 % 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	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 % 55.5-154

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		

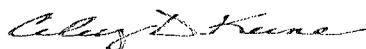
Surrogate: 1-Chlorooctane 105 % 55.5-154

Surrogate: 1-Chlorooctadecane 121 % 57.6-158

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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)

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) 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			
DRO >C10-C28	9440	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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Celey D. Keene, Lab Director/Quality Manager

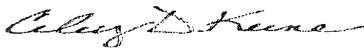
Notes and Definitions

- 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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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: <i>Talon/LPE</i>		BILL TO				ANALYSIS REQUEST																			
Project Manager: <i>Mike Stubblefield</i>		P.O. #:				<div style="display: flex; justify-content: space-around;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">8015M TPH</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">8021D GTEY</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Total chlorides * Hold</div> </div>																			
Address: <i>408 West Total Ave.</i>		Company: <i>Talon/LPE</i>																							
City: <i>Artesia</i> State: <i>NM</i> Zip: <i>88210</i>		Attn:																							
Phone #: <i>575-441-2254</i> Fax #:		Address:																							
Project #: <i>701162-004.01</i> Project Owner: <i>Cimarron Energy</i>		City:																							
Project Name: <i>Penny Pincher Fid. Com. No. 3</i>		State: Zip:																							
Project Location: <i>Sec. 21-7195 R31E</i>		Phone #:																							
Sampler Name: <i>Mike Stubblefield</i>		Fax #:																							
FOR LAB USE ONLY	Lab I.D.	Sample I.D.	(G/RAB OR C/JOMP. # CONTAINERS)	MATRIX														PRESERV.			SAMPLING				
				GROUNDWATER	WASTEWATER													SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE/COOL	OTHER:	DATE
	<i>H102467</i>																								
	<i>1</i>	<i>S-1 Bottom 2.5' bgs.</i>	<i>G</i>			<input checked="" type="checkbox"/>							<i>11/14/2011</i>	<i>10:44 A</i>											
	<i>2</i>	<i>S-2 North side wall</i>	<i>G</i>			<input checked="" type="checkbox"/>							<i>11/14/2011</i>	<i>10:47 A</i>											
	<i>3</i>	<i>S-3 East side wall</i>	<i>G</i>			<input checked="" type="checkbox"/>							<i>11/14/2011</i>	<i>10:53 A</i>											
	<i>4</i>	<i>S-4 South side wall</i>	<i>G</i>			<input checked="" type="checkbox"/>							<i>11/14/2011</i>	<i>11:03 A</i>											
	<i>5</i>	<i>S-5 West side wall</i>	<i>G</i>			<input checked="" type="checkbox"/>							<i>11/14/2011</i>	<i>11:06 A</i>											
	<i>6</i>	<i>S-6 Treated Area North of Tank battery.</i>	<i>G</i>			<input checked="" type="checkbox"/>							<i>11/14/2011</i>	<i>11:12 A</i>											

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Relinquished By: <i>Mike Stubblefield</i>		Date: <i>11/14/2011</i>	Received By: <i>Jodi Stenson</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
		Time: <i>12:52A</i>		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: <i>(Initials)</i>	
Sampler - UPS - Bus - Other:		<i>3°C</i>		<input checked="" type="checkbox"/> Cool <input checked="" type="checkbox"/> Intact	
		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No	

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

#26