

Bratcher, Mike, EMNRD

From: Kimberly M. Wilson <kwilson@talonlpe.com>
Sent: Thursday, May 30, 2013 2:20 PM
To: Bratcher, Mike, EMNRD
Subject: Pintail
Attachments: H301215 TALON.PDF

Mike please find attached the lab results for the Pintail 23 Fed #3. Can we start backfilling this location tomorrow, May 31, 2013.

Thank you.

Kimberly M. Wilson
Environmental Scientist
Talon/LPE
408 West Texas Avenue
Artesia, New Mexico 88210
Office: 575.746.8768
Fax: 575.746.8905
Cell: 575.602.3826
Emergency: 866.742.0742
Email: kwilson@talonlpe.com
Web: 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: 2012, 2011, 2010, 2009, 2008, 2007

May 28, 2013

MIKE STUBBLEFIELD

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: PINTAIL 23 FEDERAL NO. 3

Enclosed are the results of analyses for samples received by the laboratory on 05/21/13 14:40.

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 www.tceq.texas.gov/field/qa/lab_accred_certif.html.

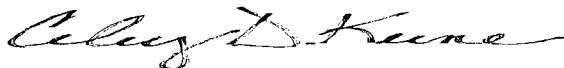
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

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

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

Received: 05/21/2013
Reported: 05/28/2013
Project Name: PINTAIL 23 FEDERAL NO. 3
Project Number: 701162.036.01
Project Location: SEC 23 T25S R26E

Sampling Date: 05/21/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S-3 1' (H301215-01)

BTEX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/24/2013	ND	2.21	111	2.00	5.67	
Toluene*	<0.050	0.050	05/24/2013	ND	1.99	99.6	2.00	5.35	
Ethylbenzene*	<0.050	0.050	05/24/2013	ND	2.17	109	2.00	5.48	
Total Xylenes*	<0.150	0.150	05/24/2013	ND	6.29	105	6.00	4.96	
Total BTEX	<0.300	0.300	05/24/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 109 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	784	16.0	05/22/2013	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/23/2013	ND	212	106	200	3.26	
DRO >C10-C28	<10.0	10.0	05/23/2013	ND	204	102	200	4.86	

Surrogate: 1-Chlorooctane 107 % 65.2-140

Surrogate: 1-Chlorooctadecane 117 % 63.6-154

Sample ID: S-4 (H301215-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	05/22/2013	ND	432	108	400	0.00	

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:	05/21/2013	Sampling Date:	05/21/2013
Reported:	05/28/2013	Sampling Type:	Soil
Project Name:	PINTAIL 23 FEDERAL NO. 3	Sampling Condition:	Cool & Intact
Project Number:	701162.036.01	Sample Received By:	Jodi Henson
Project Location:	SEC 23 T25S R26E		

Sample ID: S-5 (H301215-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	544	16.0	05/22/2013	ND	432	108	400	0.00	

Sample ID: S-6 (H301215-04)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	944	16.0	05/22/2013	ND	432	108	400	0.00	

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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: 05/21/2013
Reported: 05/28/2013
Project Name: PINTAIL 23 FEDERAL NO. 3
Project Number: 701162.036.01
Project Location: SEC 23 T25S R26E

Sampling Date: 05/21/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S-7 0.5' (H301215-05)

BTEx 8021B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/24/2013	ND	2.21	111	2.00	5.67	
Toluene*	<0.050	0.050	05/24/2013	ND	1.99	99.6	2.00	5.35	
Ethylbenzene*	<0.050	0.050	05/24/2013	ND	2.17	109	2.00	5.48	
Total Xylenes*	<0.150	0.150	05/24/2013	ND	6.29	105	6.00	4.96	
Total BTEx	<0.300	0.300	05/24/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 110 % 89.4-126

Chloride, SM4500Cl-B		mg / kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	05/22/2013	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/23/2013	ND	212	106	200	3.26	
DRO >C10-C28	<10.0	10.0	05/23/2013	ND	204	102	200	4.86	

Surrogate: 1-Chlorooctane 105 % 65.2-140

Surrogate: 1-Chlorooctadecane 115 % 63.6-154

Sample ID: S-8 (H301215-06)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	05/22/2013	ND	432	108	400	0.00		

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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:	05/21/2013	Sampling Date:	05/21/2013
Reported:	05/28/2013	Sampling Type:	Soil
Project Name:	PINTAIL 23 FEDERAL NO. 3	Sampling Condition:	Cool & Intact
Project Number:	701162.036.01	Sample Received By:	Jodi Henson
Project Location:	SEC 23 T25S R26E		

Sample ID: S-9 (H301215-07)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	05/22/2013	ND	432	108	400	0.00		

Sample ID: S-10 (H301215-08)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	05/22/2013	ND	432	108	400	0.00	

Sample ID: S-11 (H301215-09)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	05/22/2013	ND	432	108	400	0.00		

Sample ID: S-12 (H301215-10)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	05/22/2013	ND	432	108	400	0.00		

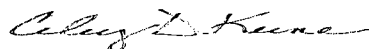
Sample ID: S-13 (H301215-11)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	608	16.0	05/22/2013	ND	432	108	400	0.00		

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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: 05/21/2013
Reported: 05/28/2013
Project Name: PINTAIL 23 FEDERAL NO. 3
Project Number: 701162.036.01
Project Location: SEC 23 T25S R26E

Sampling Date: 05/21/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S-14 (H301215-12)

Chloride, SM4500Cl-B

mg/kg

Analyzed By: DW

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	960	16.0	05/22/2013	ND	432	108	400	0.00	

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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

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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 Stufflefield</u>		P.O. #:																						
Address: <u>408 West Texas Ave.</u>		Company: <u>Talon/LPE</u>																						
City: <u>Artesia, New Mex.</u> State: <u>NM</u> Zip: <u>88220</u>		Attn:																						
Phone #: <u>575-441-7254</u> Fax #:		Address:																						
Project #: <u>701162.036.01</u> Project Owner: <u>Cimarron Energy Co.</u>		City:																						
Project Name: <u>Pilotail 23 Federal No.3</u>		State: Zip:																						
Project Location: <u>sec. 23 T25S-R26E</u>		Phone #:																						
Sampler Name: <u>Mike Stufflefield</u>		Fax #:																						
FOR LAB USE ONLY																								
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>H301215</u>																								
1	S-3 1'	5				/					/		5/21/13	10:32A	/									
2	S-4	5				/					/		5/21/13	10:49A	/									
3	S-5	5				/					/		5/21/13	11:10A	/									
4	S-6	5				/					/		5/21/13	11:45A	/									
5	S-7 0.5'	5				/					/		5/21/13	11:22A	/									
6	S-8	5				/					/		5/21/13	11:37A	/									
7	S-9	5				/					/		5/21/13	11:35A	/									
8	S-10	5				/					/		5/21/13	11:41A	/									
9	S-11	5				/					/		5/21/13	11:44A	/									
10	S-12	5				/					/		5/21/13	11:48A	/									

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Relinquished By: <u>Mike Stufflefield</u>	Date: <u>5/21/2013</u> Time: <u>2:40</u>	Received By: <u>Jodi Benson</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 - Other: <u>40C</u>			REMARKS:	
Sample Condition Cool Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			CHECKED BY: <u>[Signature]</u>	

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

#54



Page 9 of 9

Company Name: <u>Talon / LPE</u>				BILL TO				ANALYSIS REQUEST																																													
Project Manager: <u>Mike Stubblefield</u>				P.O. #:																																																	
Address: <u>408 Wrt Tamar Ave.</u>				Company: <u>Talon / LPE</u>																																																	
City: <u>Artesia</u> State: <u>NM</u> Zip: <u>88210</u>				Attn:																																																	
Phone #: <u>505-441-7254</u> Fax #:				Address:																																																	
Project #: <u>201162-036.01</u> Project Owner: <u>Cimarron Energy Co.</u>				City:																																																	
Project Name: <u>Pintail 23 Federal No. 3</u>				State: Zip:																																																	
Project Location: <u>sec. 23 T25S-R26E</u>				Phone #:																																																	
Sampler Name: <u>Mike Stubblefield</u>				Fax #:				Total Chlorides																																													
FOR LAB USE ONLY																																																					
Lab I.D.		Sample I.D.		MATRIX		PRESERV.														SAMPLING																																	
				(GRAB OR C) JUMP.		# CONTAINERS														GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER:		ACID/BASE:		ICE / COOL		OTHER:		DATE		TIME													
<u>H301215</u>																																																					
<u>11</u>		<u>5-13</u>		<u>5</u>																																																	
<u>12</u>		<u>5-14</u>		<u>5</u>																																																	
<p>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 the client for the 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 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 services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</p>																																																					
Relinquished By: <u>Mike Stubblefield</u>				Date: <u>5/21/13</u>				Received By: <u>Jodi Benson</u>				Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Phone #:																																					
				Time: <u>2:50</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"/>				(Initials)																																													
				Yes <input type="checkbox"/> No <input type="checkbox"/>																																																	

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

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