ICIC and Business Week- Top 100: 2010, 2009, 2008, 2007, 2006 Inc. 500/5000: 2011, 2010, 2009, 2008, 2007

From: Michael Stubblefield

Sent: Wednesday, March 28, 2012 5:16 PM

To: 'Bratcher, Mike, EMNRD'

Subject: FW: CACTUS STATE NO 3

Dear Mr. Mike Bratcher,

Talon/LPE is sending you the analytical results for the soil samples collected from the excavated area located at the Devon Energy Corporation

Cactus State No.3 release. After receiving the analytical report dated 3/16/12, additional soil was removed from the sample area labeled S-6 west wall.

On 2/26/12 a soil sample was collected from the west wall. Analytical results dated 3/26/12 reported the TPH at sample point S-10 to be under RRAL for the site.

Based on the analytical results Devon Energy Corporation is requesting approval to start backfilling the excavated area using new soil transported to location.

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

From: Michael Stubblefield

Sent: Wednesday, March 28, 2012 2:56 PM

To: 'Bratcher, Mike, EMNRD'

Cc: 'White, Roy'

Subject: FW: CACTUS STATE NO 3

Dear Mr. Mike Bratcher,

Talon/LPE is sending you the analytical results for the soil samples collected from the excavated area located at the Devon Energy Corporation

Cactus State No.3 release. After receiving the analytical report dated 3/16/12, additional soil was removed from the sample area labeled S-6 west wall.

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From: Celey Keene [mailto:celey.keene@cardinallabsnm.com]

Sent: Friday, March 23, 2012 5:07 PM

To: David Adkins; Michael Stubblefield; Kimberly M. Wilson

Subject: CACTUS STATE NO 3

THANK YOU,

Celey Keene Lab Director Cardinal Laboratories 101 East Marland Hobbs, NM 88240 T: (575) 393-2326

F: (575) 393-2476

e-mail: celey.keene@cardinallabsnm.com

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Project Correspondence Sheet

Project Number: 700794 022.01 Project Name: Oevan Energy Corp. Cactus State Topic: Notes:	
Project Name: Oevon Energy Coip. Cactus Stat Tople: Notes:	
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Bratcher, Mike, EMNRD

From:

Michael Stubblefield [mstubblefield@talonlpe.com]

Sent:

Friday, April 13, 2012 4:46 PM Bratcher, Mike, EMNRD

To: Cc:

White, Roy

Subject:

FW: CACTUS STATE NO 3

Attachments:

H200664 TALON.pdf; CACTUS STATE NO 3; CACTUS STATE NO 3 RELEASE

Dear Mr. Bratcher,

As per our meeting on April 4, 2012, additional soil samples were collected from outside of the excavated flow path located at the Devon Energy Corporation Cactus State No. 3 release.

Talon/LPE is sending you the analytical results for soil samples collected on April 5, 2012. Based upon the analytical results as presented for the Cactus State No. 3 release, Devon Energy Corporation is requesting approval to backfill the excavated area located at the Cactus State No. 3 release.

Mike Stubblefield

Project Manager
Talon/LPE
408 West Texas Avenue
Artesia, New Mexico 88210
(575) 746.8768 phone
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Sent: Wednesday, March 28, 2012 5:16 PM

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Subject: FW: CACTUS STATE NO 3

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If further information is required please contact me.

Mike Stubblefield

Project Manager
Talon/LPE
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Inc. 500/5000: 2011, 2010, 2009, 2008, 2007

From: Michael Stubblefield

Sent: Wednesday, March 28, 2012 2:56 PM

To: 'Bratcher, Mike, EMNRD'

Cc: 'White, Roy'

Subject: FW: CACTUS STATE NO 3

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Cactus State No.3 release. After receiving the analytical report dated 3/16/12, additional soil was removed from the sample area labeled S-6 west wall.

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Based on the analytical results Devon Energy Corporation is requesting approval to start backfilling the excavated area using new soil transported to location.

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



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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

From: Celey Keene [mailto:celey.keene@cardinallabsnm.com]

Sent: Friday, March 23, 2012 5:07 PM .

To: David Adkins; Michael Stubblefield; Kimberly M. Wilson

Subject: CACTUS STATE NO 3

THANK YOU,

Celey Keene Lab Director Cardinal Laboratories 101 East Marland Hobbs, NM 88240

T: (575) 393-2326 F: (575) 393-2476

e-mail: celey.keene@cardinallabsnm.com

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Page ___ of ___

Project Correspondence Sheet

☐ Field ☐ Office ☐ Reimbursement ☐ Proposal AMARGLEO - AUSTIN - LADLAND - SAN ANTONIO - ARTESIA, NIA - HOBBS, NIA - TULSA, OK OK ONM OTX OOther Project Manager: m. Stussceffell Date: 3/15/2012 Time: Project Number: 200794.022.01 Project Name: Devon Energy Corp. Caetus State No. 3 release Topic: Notes: + N + 5.2 5.50 5.3 350 cactus style No 3. Ocilling pit ACCA 5-8 5.6 5.7 0 5-10 Ba. S-41 90" Document must be Prepared by: Mcs



March 23, 2012

MIKE STUBBLEFIELD

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: CACTUS STATE NO. 3 RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 03/16/12 11:22.

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 accredited 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 D. 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: 03/16/2012 Reported: 03/23/2012

Project Name: CACTUS STATE NO. 3 RELEASE

Project Number: Project Location:

SEC.16.T21S.R26E

700794.022.01

Sampling Date:

03/15/2012

Sampling Type:

Soil

Sampling Condition:

** (See Notes)

Celey D. Keene Sample Received By:

Sample ID: S-1 BOTTOM 3.5' (H200664-01)

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	03/20/2012	ND	2.00	99.8	2.00	2.45	
Toluene*	<0.050	0.050	03/20/2012	ND	2.12	106	2.00	2.52	
Ethylbenzene*	<0.050	0.050	03/20/2012	ND	2.16	108	2.00	2.77	
Total Xylenes*	<0.150	0.150	03/20/2012	ND	6.77	113	6.00	2.69	
Surrogate: 4-Bromofluorobenzene (PIL	110 9	% 64.4-13	1						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AP		-1			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	03/19/2012	ND	416	104	400	0.00	
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	03/17/2012	ND	201	100	200	10.1	
DRO >C10-C28	<10.0	10.0	03/17/2012	ND	175	87.4	200	12.7	
Surrogate: 1-Chlorooctane	1149	% 55.5-154	1						
Surrogate: 1-Chlorooctadecane	121 9	% 57.6-158	8						

Cardinal Laboratories *=Accredited Analyte

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Celey D Keens



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

Fax To:

(575) 745-8905

Received:

03/16/2012

Sampling Date:

03/15/2012

Reported:

03/23/2012

Sampling Type:

Soil

Project Name:

CACTUS STATE NO. 3 RELEASE

Sampling Condition: Sample Received By: ** (See Notes) Celey D. Keene

Project Number: Project Location:

700794.022.01 SEC.16.T21S.R26E

Sample ID: S-2 NORTH WALL (H200664-02)

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	03/20/2012	ND	2.00	99.8	2.00	2.45	
Toluene*	<0.050	0.050	03/20/2012	ND	2.12	106	2.00	2.52	
Ethylbenzene*	<0.050	0.050	03/20/2012	ND	2.16	108	2.00	2.77	
Total Xylenes*	<0.150	0.150	03/20/2012	ND	6.77	113	6.00	2.69	

110%

64.4-134

Chloride, SM4500CI-B	mg/kg		Analyze	Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	03/19/2012	ND	416	104	400	0.00	
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	03/17/2012	ND	201	100	200	10.1	
DRO >C10-C28	3310	100	03/17/2012	ND	175	87.4	200	12.7	
Surrogate: 1-Chlorooctane	92.4	% 55.5-15	4				,		

92.4 %

Surrogate: 1-Chlorooctadecane

135 %

57.6-158

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Celey & Kune



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

Fax To:

(575) 745-8905

Received:

03/16/2012

Sampling Date:

03/15/2012

Reported:

03/23/2012

Sampling Type:

Soil

Project Name:

CACTUS STATE NO. 3 RELEASE

Sampling Condition:

** (See Notes)

Project Number: Project Location:

700794.022.01 SEC.16.T21S.R26E Sample Received By:

Celey D. Keene

Sample ID: S-3 EAST WALL (H200664-03)

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	03/20/2012	ND	2.00	99.8	2.00	2.45	
Toluene*	1.04	0.050	03/20/2012	ND	2.12	106	2.00	2.52	
Ethylbenzene*	<0.050	0.050	03/20/2012	ND	2.16	108	2.00	2.77	
Total Xylenes*	<0.150	0.150	03/20/2012	ND	6.77	113	6.00	2.69	
Surrogate: 4-Bromofluorohenzene (PIL	112	% 64.4-13	4						
Chloride, SM4500CI-B	mg,	'kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1170	16.0	03/19/2012	ND	416	104	400	0.00	
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	03/17/2012	ND	201	100	200	10.1	
DRO >C10-C28	12.5	10.0	03/17/2012	ND	175	87.4	200	12.7	
Surrogate: 1-Chlorooctane	90.0	% 55.5-15	4				· · · · · · · · · · · · · · · · · · ·		
Surrogate: 1-Chlorooctadecane	100	% 57.6-15	8						

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Celey D. Keene



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

Received:

03/16/2012

Sampling Date:

03/15/2012

Reported:

03/23/2012

Sampling Type:

Soil

Project Name:

CACTUS STATE NO. 3 RELEASE

Sampling Condition:

** (See Notes)

Project Number:

700794.022.01

Sample Received By:

Celey D. Keene

Project Location:

SEC.16.T21S.R26E

Sample ID: S-4 SOUTH WALL (H200664-04)

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	03/20/2012	ND	2.00	99.8	2.00	2.45	
Toluene*	<0.050	0.050	03/20/2012	ND	2.12	106	2.00	2.52	
Ethylbenzene*	<0.050	0.050	03/20/2012	ND	2.16	108	2.00	2.77	
Total Xylenes*	<0.150	0.150	03/20/2012	ND	6.77	113	6.00	2.69	
Surrogate: 4-Bromofluorobenzene (PIL	119	% 64.4-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	03/19/2012	ND	416	104	400	0.00	
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	03/17/2012	ND	201	100	200	10.1	
DRO >C10-C28	802	10.0	03/17/2012	ND	175	87.4	200	12.7	
Surrogate: 1-Chlorooctane	94.2	% 55.5-15	4						
Surrogate: 1-Chlorooctadecane	100	% 57.6-15	8						

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Celey D. Keine



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

Received:

03/16/2012

Sampling Date:

03/15/2012

Reported:

03/23/2012

Sampling Type:

Soil

Project Name:

CACTUS STATE NO. 3 RELEASE

Sampling Condition:

** (See Notes)

Project Number:

700794.022.01

Sample Received By:

Celey D. Keene

Project Location:

SEC.16.T21S.R26E

Sample ID: S-5 WEST WALL (H200664-05)

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	03/21/2012	ND	2.12	106	2.00	0.665	
Toluene*	<0.050	0.050	03/21/2012	ND	2.25	113	2.00	0.391	
Ethylbenzene*	<0.050	0.050	03/21/2012	ND	2.29	114	2.00	0.509	
Total Xylenes*	<0.150	0.150	03/21/2012	ND	7.22	120	6.00	0.156	
Surrogate: 4-Bromofluorobenzene (PIL	106 9	% 64.4-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1540	16.0	03/19/2012	ND	416	104	400	0.00	
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	03/17/2012	ND	201	100	200	10.1	
DRO >C10-C28	<10.0	10.0	03/17/2012	ND	175	87.4	200	12.7	
Surrogate: 1-Chlorooctane	93.9	% 55.5-15	4						
Surrogate: 1-Chlorooctadecane	102 9	% 57.6-15	8						

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Celey D. Kuna



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

Received: Reported: 03/16/2012

03/23/2012

Project Name: Project Number: CACTUS STATE NO. 3 RELEASE

700794.022.01 Project Location:

SEC.16.T21S.R26E

Sampling Date:

03/15/2012

Sampling Type: Soil

Sampling Condition:

Sample Received By: .

** (See Notes)

Celey D. Keene

Sample ID: S-6 WEST WALL (H200664-06)

BTEX 8021B	mg/	kg	Analyze	d By: AP					5-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/23/2012	ND	2.33	116	2.00	11.5	
Toluene*	<0.050	0.050	03/23/2012	ND	2.37	119	2.00	12.2	
Ethylbenzene*	0.229	0.050	03/23/2012	ND	2.33	117	2.00	10.8	
Total Xylenes*	0.786	0.150	03/23/2012	ND	7.15	119	6.00	11.3	
Surrogate: 4-Bromofluorobenzene (PIL	173 %	% 64.4-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2720	16.0	03/19/2012	ND	400	100	400	7.69	
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	110	100	03/17/2012	ND	201	100	200	10.1	
DRO >C10-C28	5350	100	03/17/2012	ND	175	87.4	200	12.7	
Surrogate: 1-Chlorooctane	99.3 9	% 55.5-15	4						
Surrogate: 1-Chlorooctadecane	82.7 9	% 57.6-15	8						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and dient'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



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

Fax To:

(575) 745-8905

Received:

03/16/2012

Sampling Date:

03/15/2012

Reported:

03/23/2012

Sampling Type:

Soil

Project Name:

CACTUS STATE NO. 3 RELEASE

Sampling Condition:

** (See Notes)

Project Number:

700794.022.01

Sample Received By:

Celey D. Keene

Project Location:

SEC.16.T21S.R26E

Sample ID: S-7 EAST WALL (H200664-07)

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	03/23/2012	ND	2.33	116	2.00	11.5	
Toluene*	4.22	0.050	03/23/2012	ND	2.37	119	2.00	· 12.2	
Ethylbenzene*	<0.050	0.050	03/23/2012	ND	2.33	117	2.00	10.8	
Total Xylenes*	<0.150	0.150	03/23/2012	ND	7.15	119	6.00	11.3	
Surrogate: 4-Bromofluorobenzene (PIL	110	% 64.4-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/19/2012	ND	400	100	400	7.69	
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	03/17/2012	ND	201	100	200	10.1	
DRO >C10-C28	<10.0	10.0	03/17/2012	ND	175	87.4	200	12.7	
Surrogate: 1-Chlorooctane	94.9	% 55.5-15	4						
Surrogate: 1-Chlorooctadecane	104	% 57.6-15	8						

*=Accredited Analyte Cardinal Laboratories

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Celeg & Keene



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

Received: Reported: 03/16/2012

03/23/2012

CACTUS STATE NO. 3 RELEASE

Project Name: Project Number:

700794.022.01

Project Location:

SEC.16.T21S.R26E

Sampling Date:

03/15/2012 Soil

Sampling Type: Sampling Condition:

** (See Notes)

Sample Received By:

Celey D. Keene

Sample ID: S-8 BOTTOM 4' (H200664-08)

BTEX 8021B	mg/	kg ·	Analyze	d By: AP					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/23/2012	ND	2.33	116	2.00	11.5	
Toluene*	<0.050	0.050	03/23/2012	ND	2.37	119	2.00	12.2	
Ethylbenzene*	0.241	0.050	03/23/2012	ND	2.33	117	2.00	10.8	
Total Xylenes*	0.623	0.150	03/23/2012	ND	7.15	119	6.00	11.3	
Surrogate: 4-Bromofluorobenzene (PIL	169 5	% 64.4-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	03/19/2012	ND	400	100	400	7.69	
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	37.2	10.0	03/17/2012	ND	201	100	200	10.1	
DRO >C10-C28	454	10.0	03/17/2012	ND	175	87.4	200	12.7	
Surrogate: 1-Chlorooctane	92.9	% 55.5-15	4						
Surrogate: 1-Chlorooctadecane	99.6	% 57.6-15	8						

Sample ID: S-9 B. G. 0' (H200664-09)

Chloride, SM4500CI-B	OCI-B mg/kg Analyzed By: AP								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1760	16.0	03/19/2012	ND	400	100	400	7.69	

*=Accredited Analyte Cardinal Laboratories

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Celeg D. Keine



Notes and Definitions

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

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Celeg D. Keena



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East illarland, Hobbs, HR (89240 GTEL POSLODOR FAY (EVEL DOSLOATE

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Project Wanage	mike Stubble field					P. 6. 崇														
Address:	Address: 408 West Texas Ruc,					Company: Talon / LPE								İ	1					
City:	ity: Artegia State: MM Zip: \$8210				Aitn:									-	,					
Phone #:	575-441-7254 Fants					Address:					The state of the s			į						
Project #:	700294.022.01 Project Owne	r: D	CUUN	Energy	Loig.	Gity:										-				
Project Plame:	Cactus State No. 3					State: Zip:											İ			
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06	5-6 West wall	ند		_			1/	<u> </u>	3)15/2012											
07	5.7 Englwail	G		_ _ _/			- -	/	3/15/2012											
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07	5.9 B.G o'						<u> </u>	-	3 15/2012	10:33B	-		\leftarrow							
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Bratcher, Mike, EMNRD

From:

Celey Keene [celey.keene@cardinallabsnm.com]

Sent: Tuesday, March 27, 2012 2:46 PM

To: Michael Stubblefield; David Adkins; Kimberly M. Wilson

Subject: CACTUS STATE NO 3
Attachments: H200722 TALON.pdf

THANK YOU,

Celey Keene Lab Director Cardinal Laboratories 101 East Marland Hobbs, NM 88240 T: (575) 393-2326 F: (575) 393-2476

e-mail: celey.keene@cardinallabsnm.com

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March 27, 2012

MIKE STUBBLEFIELD

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: CACTUS STATE NO. 3 RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 03/26/12 16:40.

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 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.

Celey D. 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:

03/26/2012

Sampling Date:

03/26/2012

Reported:

03/27/2012

Sampling Type:

Soil

Project Name:

CACTUS STATE NO. 3 RELEASE

Sampling Condition:

Cool & Intact

Project Number:

700794.022.01

Sample Received By:

Jodi Henson

Project Location:

SEC.16.T21S.R26E

Sample ID: S-10 WEST WALL (H200722-01)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	03/27/2012	ND	416	104	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	03/27/2012	ND	195	97.4	200	10.9	
DRO >C10-C28	28.8	10.0	03/27/2012	ND	204	102	200	12.4	
Surrogate: 1-Chlorooctane	110	% 55.5-15	4						

 Surrogate: 1-Chlorooctane
 110%
 55.5-154

 Surrogate: 1-Chlorooctadecane
 109%
 57.6-158

Cardinal Laboratories *=Accredited Analyte

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Notes and Definitions

QM-4X The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or

greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance

limits

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. Kune



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Warland, Hobbs, NW 88240 (575) 393-2326 FAX (675) 383-2476

Company Name: Talon/LPE.		ANALYSIS REQUEST
Project Manager: mike 570356/July	P.O. #:	
Address: 403 Not Tary Auc.	Company: Talon/IPE	
City: Actesia State: UM Zip: 88210	Atin:	
Phone #: 575-441-7754 Fax#:	Address:	
Project #: 900794.627.01 Project Owner: Dour Facey 100p.	City:	
Project Hame: Cuetur State No. 3	State: Zip:	
Project Location: Sec. 16-Tals-R36F	Phone #:	
	Fait #:	
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PLEASE NOTE: Libibility and Damages, Cardinal's liebibly and clearls exclusive remedy for any china rising whether hance in centract prohyses. All cabins including those for negiginare and any other cause what bover shall be demand waved unless made in writing and service. In no event shall Cardinal be liable for incidental or cansequental demages, including validual imitalities, business historrigities, is affiliated on our cases on anising out of or related to the prohyses of whether such claim is	eceived by Cardinal within 30 days after completion of the applicable is of use, or loss of profits insured by client, its subsidiaries,	a a siring a la managara la a managara la managara la managara la managara la managara la managara la managara
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No No		CONTRACTOR OF THE PROPERTY OF

Bratcher, Mike, EMNRD

From:

Celey Keene [celey.keene@cardinallabsnm.com]

Sent:

Thursday, April 12, 2012 4:27 PM

To:

Michael Stubblefield; David Adkins; Kimberly M. Wilson

Subject:

CACTUS STATE NO 3 RELEASE

Attachments:

H200806 TALON.pdf

THANK YOU,

Celey Keene Lab Director Cardinal Laboratories 101 East Marland Hobbs, NM 88240

T: (575) 393-2326 F: (575) 393-2476

e-mail: celey.keene@cardinallabsnm.com

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April 12, 2012

MIKE STUBBLEFIELD

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: CACTUS STATE NO. 3 RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 04/09/12 16:40.

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 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 & 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:

04/09/2012

Sampling Date:

04/05/2012

Reported:

04/12/2012

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Project Name:

CACTUS STATE NO. 3 RELEASE

Project Number: Project Location:

700794.022.01 SEC.16.T21S.R26E Sample Received By:

Jodi Henson

Sample ID: S-11 W 3 FT PAST EXC (H200806-01)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/12/2012	ND	400	100	400	0.00	

Sample ID: S-12 E 3 FT PAST EXC (H200806-02)

Chloride, SM4500CI-B	mg,	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/12/2012	ND	400	100	400	0.00	

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keens



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 & Keene



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Talen/LPE	BILL TO	ANALYSIS REQUEST							
Project Manager: mike Stubble field	P.O. #:								
Address: 400 West Todas Ave,	Company: Tab, LPE								
City: Actoria State: Am Zip: 88210	Attn:								
Phone #: 675.44/-2254 Fax #:	Address:								
Project #: 700704.027.01 Project Owner: Down Energy Gup	City:								
Project Name: Cactus State No. 3 10 lease.	State: Zip:								
Project Location: sec. 18-7211-R71E	Phone #:								
Sampler Name: mults withfull	Fax #:								
FOR LAB USE CNLY MATRIX	PRESERV SAMPLING								
Tap I.D. Samle I.D. (G)RAB OR (C)OMF # CONTAINERS GROUNDWATER WASTEWATER SOIL	SLUDGE OTHER: ACID/BASE: OTHER: OTHER:	Toral charido							
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PLEASE NOTE: Liability and Danages. Continuit's liability and client's evaluative remedy for any share brising smallner based in consultable. All claims including these for negligence and any other cause whates severe shall be deemned walvest of clear another and personal in with service. In one event shall Central be Rable for including out of our related to the certainness of services produced by Cardinal, regardless of whether such of Relinquished By: Date: Received By: Date: Received By:	and received by Cardinal within 30 days area completion of the loss of use, or loss of profes industried by client, its subside item is break upon any of the above stock reasons or otherwise. Phone Re Fax Resul REMARK Office CHECKED BY: (Initials) Yes No	the applicable taries. Iss. SSUIT: Yes No Add'I Phone #: It: Yes No Add'I Fax.#: S:							
† Cardinal cannot accept verbal changes. Please fax written changes	to 505-393-2476	Pa							
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