

Mike Braswell
Devon Energy Corporation

Mr. Braswell,

Here is the summary of activities for the Devon – Turquoise PWD 27 No. 5H –
API # 30-015-40583 – UL A, Sec. 27, T19S, R29E

Summary of Activities:

5/6/13

- Travel to and from site; construct site diagram, collected soil samples from area located under former temporary pit.

5/7/13

- Prepare samples to be delivered to Cardinal Laboratories.

5/9/13

- Site map was completed by drafter. The site map illustrating the sample locations is attached.
- Analytical results and a project status report were sent to you.

5/13/13

- Travel to and from location, collected soil samples from under former temporary pit location.
- Tested soil samples using the field titration test method for chlorides.

5/21/13

- A call was placed to NM “OneCall” regarding locating any underground lines in the area.

5/30/13

- Begin excavation of the area. The area was excavated to a depth of 3 to 6 inches and transported to Controlled Recovery Inc, Permit No. 6.
- Soil samples were collected from the excavated area and tested using the field titration test method for chlorides on site.
- The caliche from the south side of location was bladed to backfill the excavated area. The area was rolled, watered and bladed to recontour this area of the location.

5/31/13

- The excavated area was backfilled, rolled, watered and recontoured.

AMARILLO

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Fax 806.467.0622

ARTESIA

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Fax 575.746.8905

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318 East Taylor Street
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Fax 575.393.4658

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Fax 210.568.2191

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ENVIRONMENTAL CONSULTING
ENGINEERING
DRILLING
CONSTRUCTION
SPILL MANAGEMENT
GENERAL CONTRACTING

Analytical Results

Results from field titration test method sampling activities on May 8, 2013:

Sample ID	Chlorides (mg/kg)
S-1 6"	141
S-2 6"	141
S-3 6"	212
S-4 6"	354
S-5 6"	141

Analytical results detailed on the attached laboratory report are summarized below:

Results from sampling activities on May 9, 2013:

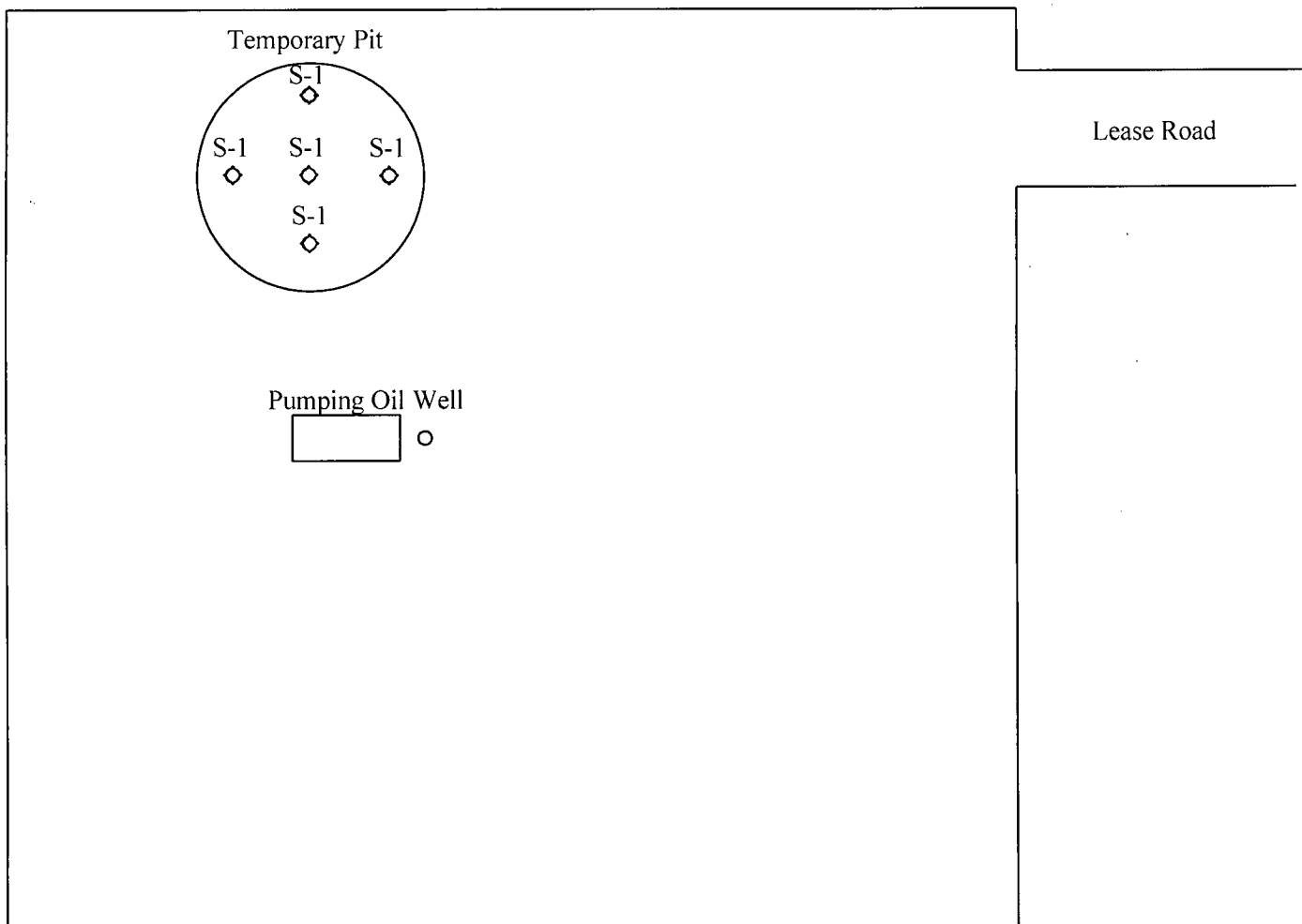
Sample ID	BTEX (mg/kg)	Chlorides (mg/kg)	TPH 8015M (mg/kg) GRO	TPH 8015M (mg/kg) DRO	TPH 418.1 (mg/kg)
S-1 0'	<0.300	1760	<10	<10	<100


Results from field titration test method sampling activities on May 30, 2013, on location:

Sample ID	Chlorides (mg/kg)
S-1 3"	2061
S-1 6"	141
S-2 3"	282
S-3 3"	1923
S-3 6"	282
S-4 3'	687
S-4 6"	141
S-5 3"	141

Results from field titration test method sampling activities on June 18, 2013:

Sample ID	Chlorides (mg/kg)
S-1 6"	160
S-2 3"	416
S-3 6"	400
S-4 6"	176
S-5 3"	96



NTS

 Scale in Feet

Legend
 ◇ - Sample Location



Date: 05/09/2013

Scale: NTS

Drawn By: TJS

Turquoise PWD 27 No. 5
 Devon Energy Corporation
 Eddy County, New Mexico
 Figure 1 - Site Plan



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

May 09, 2013

MIKE STUBBLEFIELD

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: TURQUOISE PWU 27 NO. 5H

Enclosed are the results of analyses for samples received by the laboratory on 05/07/13 14:20.

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:	05/07/2013	Sampling Date:	05/06/2013
Reported:	05/09/2013	Sampling Type:	Soil
Project Name:	TURQUOISE PWU 27 NO. 5H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	SEC. 27 - T19S - R29E		

Sample ID: S-1 (H301082-01)

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	05/08/2013	ND	1.77	88.3	2.00	16.2	
Toluene*	<0.050	0.050	05/08/2013	ND	1.64	82.0	2.00	14.5	
Ethylbenzene*	<0.050	0.050	05/08/2013	ND	1.73	86.7	2.00	16.9	
Total Xylenes*	<0.150	0.150	05/08/2013	ND	5.13	85.5	6.00	16.3	
Total BTEX	<0.300	0.300	05/08/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIB) 108 % 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	1760	16.0	05/08/2013	ND	432	108	400	0.00	

TPH 418.1		mg/kg		Analyzed By: AM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TPH 418.1	<100	100	05/08/2013	ND	2370	95.0	2500	3.60	

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	05/07/2013	ND	204	102	200	9.74	
DRO >C10-C28	<10.0	10.0	05/07/2013	ND	194	97.1	200	14.3	

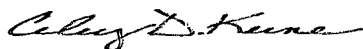
Surrogate: 1-Chlorooctane 97.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 102 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

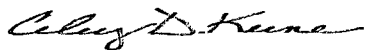
Notes and Definitions

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

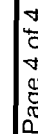
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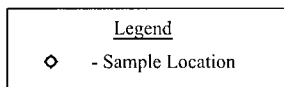
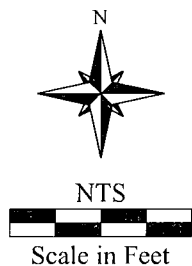
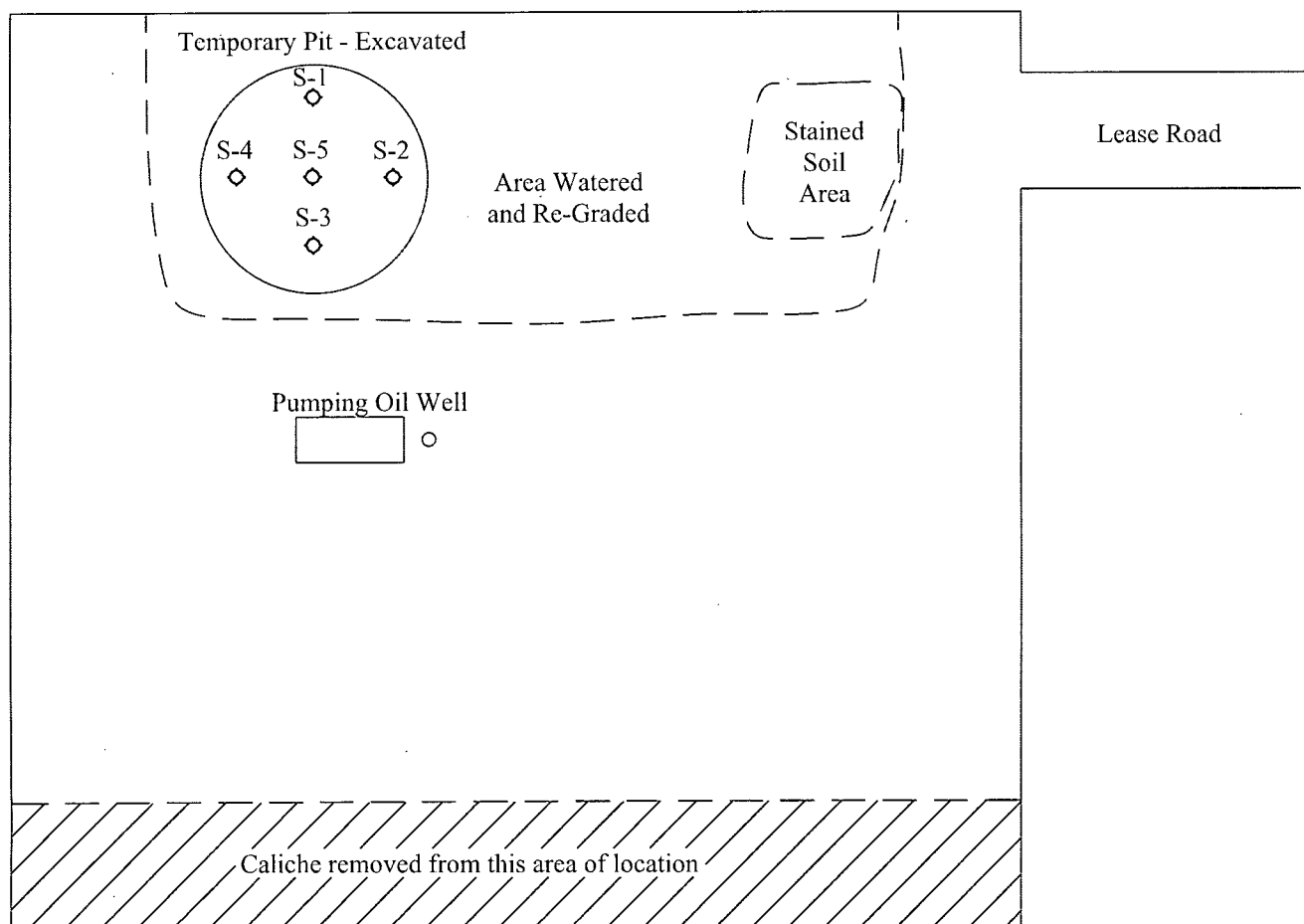
Celey D. Keene, Lab Director/Quality Manager



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

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Date: 06/06/2013

Scale: NTS

Drawn By: TJS

Turquoise PWD 27 No. 5
Devon Energy Corporation
Eddy County, New Mexico
Figure 1 - Site Plan



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

June 18, 2013

DAVID ADKINS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: TURQUOISE PWU 27 NO. 5H

Enclosed are the results of analyses for samples received by the laboratory on 05/30/13 16:03.

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.

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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
 DAVID ADKINS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

 Received: 05/30/2013
 Reported: 06/18/2013
 Project Name: TURQUOISE PWU 27 NO. 5H
 Project Number: 700794.7101
 Project Location: SEC. 27 - T19S - R29E

 Sampling Date: 05/30/2013
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Jodi Henson

Sample ID: S-1 0.5' (H301275-01)

Chloride, SM4500Cl-B		mg/kg	Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	06/18/2013	ND	432	108	400	0.00	

Sample ID: S-2 3" (H301275-02)

Chloride, SM4500Cl-B		mg/kg	Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	06/18/2013	ND	432	108	400	0.00	

Sample ID: S-3 0.5' (H301275-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	06/18/2013	ND	432	108	400	0.00	

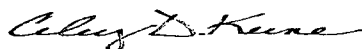
Sample ID: S-4 0.5' (H301275-04)

Chloride, SM4500Cl-B		mg/kg	Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	06/18/2013	ND	432	108	400	0.00	

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 05/30/2013
Reported: 06/18/2013
Project Name: TURQUOISE PWU 27 NO. 5H
Project Number: 700794.7101
Project Location: SEC. 27 - T19S - R29E

Sampling Date: 05/30/2013
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Jodi Henson

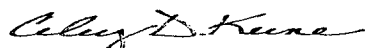
Sample ID: S-5 3" (H301275-05)

Chloride, SM4500Cl-B		mg/kg	Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	06/18/2013	ND	432	108	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager

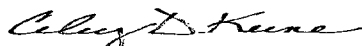
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Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: TALON LPE		BILL TO		ANALYSIS REQUEST																						
Project Manager: Kim WILSON		P.O. #:		<div>Chlorides</div>																						
Address: 408 W. Texas		Company: Talon																								
City: Albuquerque State: NM Zip: 87101		Attn:																								
Phone #: 575-746-8768 Fax #: 575-746-8905		Address:																								
Project #: 700 744 071 01 Project Owner: DEWOW		City:																								
Project Name: TURBOVOIS PWD 27 #5		State: Zip:																								
Project Location: A-27-19-29E		Phone #:																								
Sampler Name: KEV SWIFT		Fax #:																								
FOR LAB USE ONLY		MATRIX		PRESERV.		SAMPLING																				
Lab I.D.	Sample I.D.	(GRAB OR (COMP. # CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME													
H301275																										
1	S-1 0.5'	5			/							5.30.13	12:41	/												
2	S-2 3"	5			/							5.30.13	12:46	/												
3	S-3 0.5'	5			/							5.30.13	12:50	/												
4	S-4 0.5'	5			/							5.30.13	12:53	/												
5	S-5 3"	5			/							5.30.13	12:58	/												

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Relinquished By: Kim Wilson	Date: 5/30/13	Received By: Jodi Benson	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Time: 4:03	Date:	Received By:	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:	
Time:	Date:	Received By:		
Delivered By: (Circle One)	Sample Condition	CHECKED BY:		
Sampler - UPS - Bus - Other:	Cool <input type="checkbox"/> Intact <input type="checkbox"/>	(Initials)		
	Yes <input type="checkbox"/> No <input type="checkbox"/>			

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

#54