

**Devon Energy  
Cotton Draw Unit #214 H  
Closure Report**

**Section 36, T24S, R31E  
Eddy County, New Mexico  
2RP-2904**

**July 17, 2015**



**Prepared for:**

***Devon Energy Production  
PO Box 250  
Artesia, NM 88211***

**By:**

**Safety & Environmental Solutions, Inc.  
703 East Clinton Street  
Hobbs, New Mexico 88240  
(575) 397-0510**

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## I. Company Contacts

Representative	Company	Telephone	E-mail
Brett Fulks	Devon Energy	575-748-1844	Brett.Fulks@devon.com
Bob Allen	SESI	575-397-0510	ballen@sesi-nm.com

## II. Background

Safety and Environmental Solutions, Inc. (SESI) was engaged by Devon Production to perform site assessment of a release area near the Cotton Draw Unit 214H. Located in Unit Letter C, Section 36, Township 24S, Range 31 E in Eddy County.

According to the C-141, the cause of the release was due to a separation of the hose from the hammer union off of the trunk line creating an impact in volume of approximately 6 bbls, of which 1 bbl was recovered utilizing a vacuum truck.

## III. Surface and Ground Water

The United States Geological Survey record is in Section 36, Township 24 South, and Range 31 East. The reported depth was 400 feet below ground surface (bgs). Further research with the New Mexico Office of the State Engineer indicates that there is no groundwater in the immediate vicinity of this site. However average depth to groundwater for the area is 182' bgs. Thereby, posing no immediate threat to groundwater or life forms.

## IV. Work Performed

On May 21, 2015, SESI was onsite with Alfredos Trucking to begin delineation efforts and assess the impacted area on the site. Five (5) test trenches were dug for intermittent sampling. Whereby, it was determined that 45 cubic yards of impacted soil was removed to Lea Land, a NMOC approved facility, for disposal.

Representative soil samples from the test trench were properly packaged, preserved and transported to Cardinal Laboratories, Hobbs New Mexico and analyzed for Chloride (Cl<sup>-</sup>) (Method SM4500Cl-B), Benzene, Toluene, Ethyl benzene, Total Xylenes, (BTEX)(EPA Method 8021B), and Total Petroleum Hydrocarbon (TPH) (Method 418.1).

The results of the analysis are presented in the table below:

Sample ID	Depth (feet)	Cl <sup>-</sup> (mg/kg)
TT-1:	2	4080
TT-1:	3	576
TT-1:	4	<16.0
TT-2:	2	304
TT-2:	3	2640
TT-2:	4	144
TT-3:	2	96
Note: Field sampling indicated Cl <sup>-</sup> <128 ppm no further samples collected.		
TT-4:	2	560
Sample ID		Cl <sup>-</sup>

		(mg/kg)
TT-4:	3	1220
TT-4:	4	32
TT-5:	2	<16.0

On June 09, 2015 and based on the above aforementioned analytical results, SESI submitted a written proposal to remediate the impact area. Wherein, the impacted area was excavated to depths where the chloride concentrations were <1,000 mg/kg., as were indicated by retrieving representative soil samples and field testing. Said plan was approved on June 30, 2015.

On July 10, 2015 the excavation activities were completed and composite confirmation samples were taken from the sides and bottom of the excavated area. Bottom of excavation measured 1.5 to 2' bgs. The representative soil samples were taken to an NMOCD approved laboratory facility. The following is a recap of the analysis:

Sample ID	Depth (feet)	Cl <sup>-</sup> (mg/kg)
Westside *	Bottom	912
SP1	West Wall	<16.0
SP2	West Wall	<16.0
SP3	East Wall	<16.0
SP4	East Wall	<16.0
SP5	North Wall	<16.0
SP6	South Wall	80.0
SP7	Bottom	64.0
SP8	Bottom	48.0
*West of Lease Rd.		

## V. Conclusion

Based on the above confirmation of field analysis; the excavated area was backfilled with fresh topsoil and the area returned to grade. All impacted soils were removed to an NMOCD approved facility.

SESI respectfully submits this closure report for your consideration and approval.

## VI. Figures & Appendices

Figure 1 – Vicinity Map

Figure 2 – Site Plan

Appendix A – Groundwater

Appendix B – Analytical

Appendix C – Photo Documentation

Appendix D – Final C-141

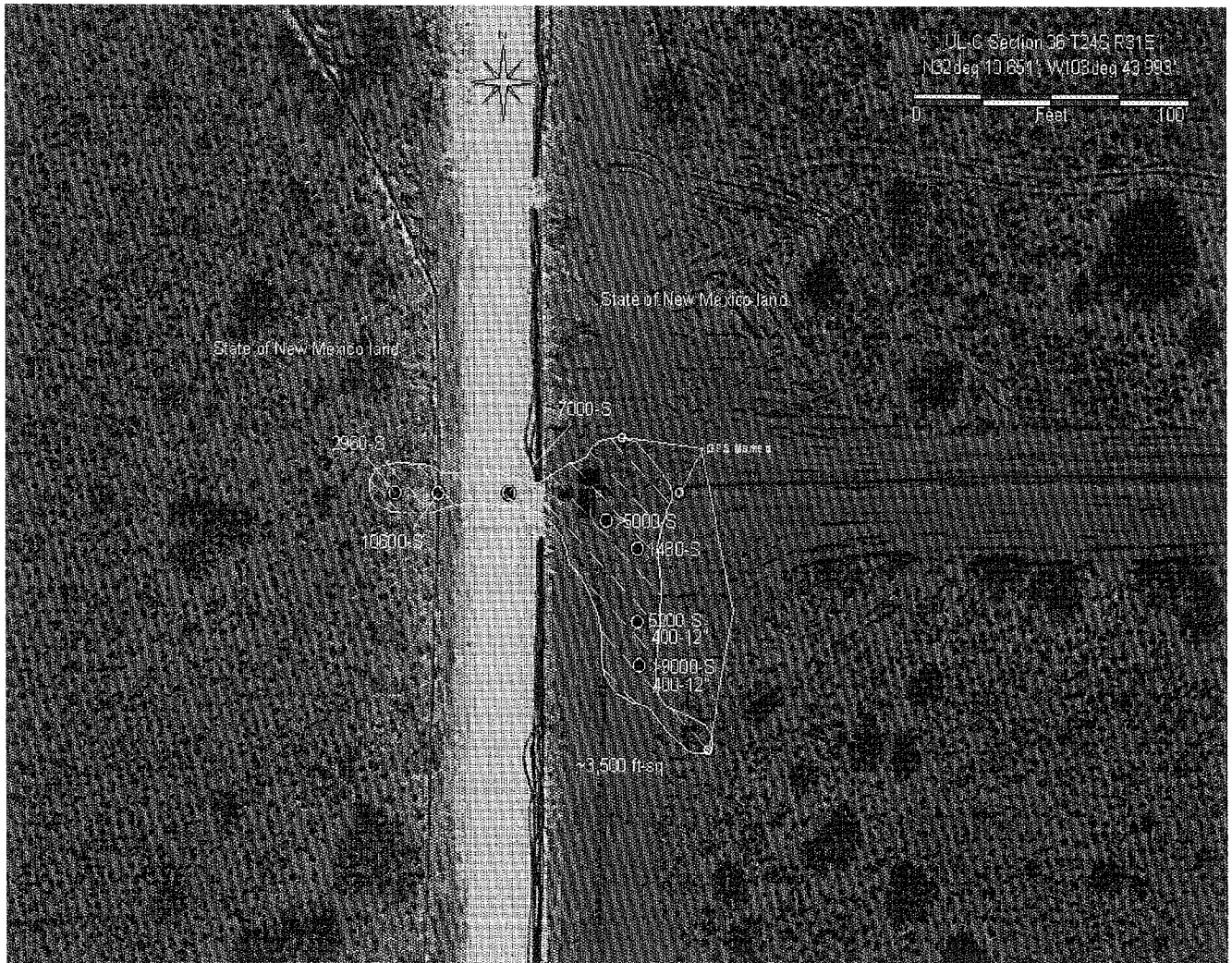
**Figure 1**  
**Vicinity Map**



Devon Cotton Draw 214 PW Flowline Release

## **Figure 2 Site Plan**







## **Appendix A**

### **Groundwater Research**



# New Mexico Office of the State Engineer Water Column/Average Depth to Water

(A CLW##### in the  
POD suffix indicates the  
POD has been replaced  
& no longer serves a  
water right file.)

(R=POD has  
been replaced,  
O=orphaned,  
C=the file is  
closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
<a href="#">C 02405</a>	C	ED		4	1	02	24S	31E		617690	3568631*	275	160	115
<a href="#">C 02440</a>	C	ED		2	3	10	24S	31E		616103	3566599*	350		
<a href="#">C 02460</a>	C	ED		3	02		24S	31E		617496	3568022*	320		
<a href="#">C 02460 POD2</a>	C	ED		3	02		24S	31E		617496	3568022*	320		
<a href="#">C 02464</a>	C	ED		3	4	1	02	24S	31E	617589	3568530*	320	205	115
<a href="#">C 02661</a>		ED		3	3	1	04	24S	31E	613969	3568485*	708		
<a href="#">C 02783</a>	CUB	ED		3	3	1	04	24S	31E	613911	3568461	708		
<a href="#">C 02783 POD2</a>	C	ED		3	3	1	04	24S	31E	613911	3568461	672		
<a href="#">C 02784</a>	C	ED		4	2	4	04	24S	31E	613911	3568461	584		
<a href="#">C 02785</a>		ED		3	3	1	04	24S	31E	613969	3568485*	692		

Average Depth to Water: **182 feet**

Minimum Depth: **160 feet**

Maximum Depth: **205 feet**

**Record Count: 10**

**PLSS Search:**

**Township: 24S**

**Range: 31E**

\*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

## **Appendix B**

### **Analytical**

May 27, 2015

Bob Allen

Safety & Environmental Solutions

703 East Clinton

Hobbs, NM 88240

RE: DEVON COTTON DRAW #214

Enclosed are the results of analyses for samples received by the laboratory on 05/22/15 8:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. 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](http://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:**

Safety & Environmental Solutions  
Bob Allen  
703 East Clinton  
Hobbs NM, 88240  
Fax To: (575) 393-4388

Received: 05/22/2015  
Reported: 05/27/2015  
Project Name: DEVON COTTON DRAW #214  
Project Number: ALF-15-004  
Project Location: EDDY COUNTY, NM

Sampling Date: 05/21/2015  
Sampling Type: Soil  
Sampling Condition: \*\* (See Notes)  
Sample Received By: Amanda Ponce

**Sample ID: TT-1 2' BGS (H501291-01)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4080	16.0	05/27/2015	ND	432	108	400	7.69	

**Sample ID: TT-1 3' BGS (H501291-02)**

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	05/27/2015	ND	432	108	400	7.69	

**Sample ID: TT-1 4' BGS (H501291-03)**

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/27/2015	ND	432	108	400	7.69		

**Sample ID: TT-2 2' BGS (H501291-04)**

Chloride, SM4500Cl-B			mg/kg Analyzed By: AP							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	05/27/2015	ND	432	108	400	7.69		

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

Safety & Environmental Solutions  
Bob Allen  
703 East Clinton  
Hobbs NM, 88240  
Fax To: (575) 393-4388

Received: 05/22/2015  
Reported: 05/27/2015  
Project Name: DEVON COTTON DRAW #214  
Project Number: ALF-15-004  
Project Location: EDDY COUNTY, NM

Sampling Date: 05/21/2015  
Sampling Type: Soil  
Sampling Condition: \*\* (See Notes)  
Sample Received By: Amanda Ponce

**Sample ID: TT-2 3' BGS (H501291-05)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2640	16.0	05/27/2015	ND	432	108	400	7.69	

**Sample ID: TT-2 4' BGS (H501291-06)**

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	05/27/2015	ND	432	108	400	7.69		

**Sample ID: TT-3 2' BGS (H501291-07)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	05/27/2015	ND	432	108	400	7.69	

**Sample ID: TT-4 2' BGS (H501291-08)**

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	560	16.0	05/27/2015	ND	432	108	400	0.00		

**Sample ID: TT-4 3' BGS (H501291-09)**

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1220	16.0	05/27/2015	ND	432	108	400	0.00		

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

Safety & Environmental Solutions  
Bob Allen  
703 East Clinton  
Hobbs NM, 88240  
Fax To: (575) 393-4388

Received: 05/22/2015  
Reported: 05/27/2015  
Project Name: DEVON COTTON DRAW #214  
Project Number: ALF-15-004  
Project Location: EDDY COUNTY, NM

Sampling Date: 05/21/2015  
Sampling Type: Soil  
Sampling Condition: \*\* (See Notes)  
Sample Received By: Amanda Ponce

**Sample ID: TT-4 4' BGS (H501291-10)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/27/2015	ND	432	108	400	0.00	

**Sample ID: TT-5 2' BGS (H501291-11)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/27/2015	ND	432	108	400	0.00	

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\*=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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\*=Accredited Analyte

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---

Celey D. Keene, Lab Director/Quality Manager



# ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240  
(505) 393-2326 Fax (505) 393-2476

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

### ANALYSIS REQUEST

### BILL TO

Company Name: Safety & Environmental Solutions, Inc.  
Project Manager: Bob Allen  
Address: 703 East Clinton  
City: Hobbs State: NM Zip: 88240  
Phone #: 575-397-0510 Fax #: 575-393-4388

P.O. #:   
Company: Same  
Address:   
State:   
Zip:   
Phone #:   
Fax #:

Project #: ALE-15-004 Project Owner: ALTHEDS TRUCKING  
Project Name: DEVON CORP DRILL 214  
Project Location: CDA CO.  
Sample Name: SOIL JERRY

Matrix:   
Preserv:   
Sampling:

Lab I.D. Sample I.D. H501291

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE /COOL	OTHER :	DATE	TIME
1	TC-1 2A BGS		1										05/21	1010
2	TC-1 3C BGS		1										05/21	1040
3	TC-1 4C BGS		1										05/21	1030
4	TC-2 2C BGS		1										05/21	1110
5	TC-2 3A BGS		1										05/21	1125
6	TC-2 4A BGS		1										05/21	1325
7	TC-3 2A BGS		1										05/21	1220
8	TC-4 2A BGS		1										05/21	1350
9	TC-4 3A BGS		1										05/21	1400
10	TC-4 4A BGS		1										05/21	1415

PLEASE NOTE: Liability and Damages. Cardinal's liability and damages are limited to the amount paid for the analysis. 30 days past due at the rate of 20% per annum from the original date of invoice. and all costs of collection, including attorney's fees.

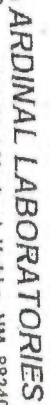
Sampler: Jerry Date: 05/21/15 Time: 0800  
Relinquished By: [Signature] Date: 05/21/15 Time: 0830  
Received By: [Signature] Date: 05/21/15 Time: 0830

Delivered By: (Circle One) UPS - Bus - Other: 12.4°C  
Sampler - UPS - Bus - Other: 12.4°C

REMARKS:   
30 days past due at the rate of 20% per annum from the original date of invoice. and all costs of collection, including attorney's fees.

\* Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476.





101 East Marland, Hobbs, NM 88240  
(505) 393-2326 Fax (505) 393-2476

Page 2 of 2

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <b>Safety &amp; Environmental Solutions, Inc.</b>		P.O. #:	
Project Manager: <b>Bob Allen</b>		Company: <b>Same</b>	
Address: <b>703 East Clinton</b>		Attn:	
City: <b>Hobbs</b>	State: <b>NM</b>	Zip: <b>88240</b>	
Phone #: <b>575-397-0510</b>	Fax #: <b>575-393-4388</b>	Address:	
Project #: <b>AHE-15-004</b>	Project Owner: <b>AT&amp;T</b>	City:	
Project Name: <b>Devon Cotton Drain 214</b>	State: <b>NM</b>	Zip:	
Project Location: <b>ENDY CO.</b>	Phone #:		
Sample Name: <b>SOC 2004</b>	Fax #:		
FOR USE ONLY			
Lab I.D. <b>HS01291</b>	Sample I.D.		
<b>11</b>	<b>71-5</b>	<b>20</b>	<b>844</b>
		(G)RAB OR (C)OMP.	
		# CONTAINERS	
		GROUNDWATER	
		WASTEWATER	
		SOIL	
		OIL	
		SLUDGE	
		OTHER :	
		ACID/BASE:	
		ICE / COOL	
		OTHER :	
		DATE	TIME
		<b>06/21</b>	<b>1510</b>
		<b>Chlorides</b>	

**PLEASE NOTE:** Laboratory and Packaging Conditions listing and testing facilities retained for any data which is not based on collection or that, shall be marked as the original data by the field for the analysis. All data including those for reagents and any other reagents shall be retained and received by Customer within 30 days after completion of the analysis. In no event shall the data be retained for more than 30 days after completion of the analysis. In no event shall the data be retained for more than 30 days after completion of the analysis.

**Sample Relinquished:** **DATE** **05/22/15** **TIME** **08:30** **Received By:** **SC**

**Relinquished By:** **SC** **Date:** **5/22/15** **Time:** **8:30** **Received By:** **SC**

**Delivered By:** **(Circle One)** **Temp.** **Sample Condition** **CHECKED BY:** **(initials)**

**Sampler - UPS - Bus - Other:** **244C** **Cool Intact** **Yes** **No** **Yes** **No**

**REMARKS:**

**Terms and Conditions:** Invoiced bill is due 30 days past due at the rate of 24% per annum from the original date of invoice and all costs of collection, including attorney's fees.

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476.

July 17, 2015

Bob Allen

Safety & Environmental Solutions

703 East Clinton

Hobbs, NM 88240

RE: DEVON COTTON DRAW 214H

Enclosed are the results of analyses for samples received by the laboratory on 07/10/15 15:01.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. 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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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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:**

Safety & Environmental Solutions  
Bob Allen  
703 East Clinton  
Hobbs NM, 88240  
Fax To: (575) 393-4388

Received: 07/10/2015  
Reported: 07/17/2015  
Project Name: DEVON COTTON DRAW 214H  
Project Number: ALF-15-004  
Project Location: LEA COUNTY

Sampling Date: 07/10/2015  
Sampling Type: Soil  
Sampling Condition: \*\* (See Notes)  
Sample Received By: Jodi Henson

**Sample ID: WESTSIDE BOTTOM (H501772-01)**

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	912	16.0	07/16/2015	ND	432	108	400	3.77	

**Sample ID: WEST WALL SP-1 (H501772-02)**

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/16/2015	ND	432	108	400	3.77	

**Sample ID: WEST WALL SP-2 (H501772-03)**

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/16/2015	ND	432	108	400	3.77	

**Sample ID: EAST WALL SP-3 (H501772-04)**

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/16/2015	ND	432	108	400	3.77	

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

Safety & Environmental Solutions  
Bob Allen  
703 East Clinton  
Hobbs NM, 88240  
Fax To: (575) 393-4388

Received: 07/10/2015  
Reported: 07/17/2015  
Project Name: DEVON COTTON DRAW 214H  
Project Number: ALF-15-004  
Project Location: LEA COUNTY

Sampling Date: 07/10/2015  
Sampling Type: Soil  
Sampling Condition: \*\* (See Notes)  
Sample Received By: Jodi Henson

**Sample ID: EAST WALL SP-4 (H501772-05)**

Chloride, SM4500Cl-B mg/kg			Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/16/2015	ND	432	108	400	3.77	

**Sample ID: NORTH WALL SP-5 (H501772-06)**

Chloride, SM4500Cl-B mg/kg			Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/16/2015	ND	432	108	400	3.77	

**Sample ID: SOUTH WALL SP-6 (H501772-07)**

Chloride, SM4500Cl-B mg/kg			Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	07/16/2015	ND	432	108	400	3.77	

**Sample ID: BOTTOM SP-7 (H501772-08)**

Chloride, SM4500Cl-B mg/kg			Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	07/16/2015	ND	432	108	400	3.77	

**Sample ID: BOTTOM SP-8 (H501772-09)**

Chloride, SM4500Cl-B mg/kg			Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/16/2015	ND	432	108	400	3.77	

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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Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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## **Appendix C**

### **Photo Documentation**

Devon Cotton Draw Unit 214H





Devon Cotton Draw Unit 214H-At Completion



Location looking West



Location looking Southwest



Location looking South



Location looking South



Location looking South



Location looking West

## **Appendix D**

### **C-141**



District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

NM OIL CONSERVATION  
ARTESIA DISTRICT

MAR 20 2015

Form C-141  
Revised August 8, 2011

RECEIVED  
Submit copy to appropriate District Office in  
accordance with 19.15.29 NMAC.

### Release Notification and Corrective Action

NAB1508234541

#### OPERATOR

☒ Initial Report ☐ Final Report



Name of Company: <b>Devon Energy Production Co LP (6137)</b>	Contact: <b>Brian Kuh, Devon Completions Foreman</b>
Address: <b>PO Box 250 Artesia, NM 88211</b>	Telephone No. <b>575-616-1540</b>
Facility Name: <b>Near Cotton Draw Unit 214H</b>	Facility Type: <b>Well location - OFF PAD</b>
Surface Owner: <b>State</b>	Mineral Owner: <b>Federal</b>
API No. <b>30-015-41537</b>	

#### LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
C	36	24S	31E	200	North	1710	West	Eddy

Latitude: 32 deg 10' 49.931" N Longitude: 103 deg 44' 4.25" W

#### NATURE OF RELEASE

Type of Release: <b>Produced Water from Trunk Line</b>	Volume of Release: <b>6 bbls</b>	Volume Recovered: <b>1 bbl</b>
Source of Release: <b>Water transfer trunk line</b>	Date and Hour of Occurrence: <b>3/18/2015, 2:45 PM</b>	Date and Hour of Discovery: <b>3/18/2015, 2:45 PM</b>
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? <b>OCD Artesia - Mike Bratcher BLM Carlsbad - Jim Amos</b>	
By Whom? <b>Brian Kuh, Completions Foreman</b>	Date and Hour: <b>3/19/15, 8:30 AM - OCD phones out of order 3/20/15, 7:30 AM - voicemail to Mike Bratcher 3/19/15, 8:30 AM - voicemail to Jim Amos</b>	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. <b>N/A</b>	
If a Watercourse was Impacted, Describe Fully.* <b>N/A</b>		
Describe Cause of Problem and Remedial Action Taken.* <b>Bosque Supervisor turned on pump to send water to Cotton Draw Unit 214 Poseidon tank. When the water started flowing, the hose separated from the hammer union off of the trunk line causing the spill.</b>		
Describe Area Affected and Cleanup Action Taken.* <b>The spill traveled approximately 8 feet to the North, 8 feet to the East, 7 feet to the West, and 22 feet to the South of the point of release. A vacuum truck was used to clean up as much water as possible, approximately 1 barrel. Alfredo's was called in to take soil samples.</b>		
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.		
Signature: 	OIL CONSERVATION DIVISION	
Printed Name: <b>Denise Menoud</b>	Signed By: 	
Title: <b>Field Admin Support</b>	Approved by Environmental Specialist:	
E-mail Address: <b>Denise.Menoud@dvn.com</b>	Approval Date: <b>3/23/15</b>	Expiration Date: <b>N/A</b>
Date: <b>3/20/2014</b> Phone: <b>575-746-5544</b>	Conditions of Approval:	
Remediation per O.C.D. Rules & Guidelines SUBMIT REMEDIATION PROPOSAL NO LATER THAN: <b>4/25/15</b>		

\* Attach Additional Sheets If Necessary

Attached ☐

2RPT-2904



Cotton Draw Unit #21411

36-24S-31E  
NENW

6 Barrels FW

36-24S-31E  
SENE

## Devon GIS Mapping



Disclaimer: This plat is for illustrative purposes only and is neither a legally recorded map nor a survey and is not intended to be used as one.

Scale: 1:2,257

Date Printed: 3/20/2015 11:57:05 AM



**Bratcher, Mike, EMNRD**

---

**From:** Menoud, Denise <Denise.Menoud@dvn.com>  
**Sent:** Friday, March 20, 2015 1:41 PM  
**To:** Bratcher, Mike, EMNRD; jamos@blm.gov  
**Cc:** Menoud, Denise; Kuh, Brian  
**Subject:** C141 - Cotton Draw Unit 214H 3/18/15  
**Attachments:** C141 and map Spill 6 BPW - Bosque 3\_18\_15 CDU 214H.pdf

Please see attached C141 and map of 6 BPW spill on the Cotton Draw Unit 214H on 3/18/2015.

Thanks!

***Denise Menoud***

Admin Field Support 4 / Completions  
Devon Energy Production Co. LP/Artesia NM  
[Denise.Menoud@dvn.com](mailto:Denise.Menoud@dvn.com)  
575-746-5544

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