

Devon Energy Production Co LP

**Goodnight 1 Fee No. 1H
2RP-564
Closure**

**Unit Letter G, Section 1, T12S, R28E
Chaves County, New Mexico**

30-005-64132

October 27, 2016



Prepared for:

**Devon Energy Production Co., LP
PO Box 250
Artesia, New Mexico 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 Prod.	575-748-1844	Brett.Fulks@dvn.com
Bob Allen	SESI	575-397-0510	ballen@sesi-nm.com

II. Background

This closure report will address open 2RP-564 for drilling fluids and produced water released on January 5, 2011 and 2RP-812 for the acid and water on June 9, 2011.

The drilling fluids and produced water spill occurred on January 5, 2011 and is located approximately 34 miles east of Roswell, New Mexico. The legal location for the site is Section 1, T12S, R28E, Chaves County, New Mexico. The Latitude/Longitude for the release is 32.30707 and -104.08448. A Form C-141 was approved on January 11, 2011.

A total of 2,300 barrels of drilling fluids and produced water resulted from the spill. Sixty-five barrels were immediately recovered and the impacted areas were scraped. These areas are located south and west of the location and down a two track ranch road approximately 0.25 mile where it pooled. Devon excavated 0.25 miles of the two track road from the location to the pooling area to a depth of three feet. Devon then refilled the road with new caliche. The pooling area south of location is estimated to be 345' long x 155' wide. The flow path to the west of location is estimated to be 96' long x 207' wide, where it then narrowed to 27' wide by 670' long. The pooling area off the two track road is estimated to be one 165' long x 87' wide. A site plan illustrating the impacted areas is attached.

The acid/water spill occurred on June 8, 2011 and is much smaller in volume and extent of the first spill and was primarily contained within the well pad and on top of the original drilling fluids/produced water spill. A total of 220 barrels of the 300 barrel acid/water mix was immediately recovered. The affected areas were 145' x 81' on the pad and 135' by 20' just off the pad behind the tanks. A Form C-141 was approved on August 9, 2011.

See final C-141s attached to this report.

III. Work Performed

A work plan was submitted by Devon on October 10, 2011 to the NMOCD in a letter from Mr. Darren Smith and approved via email from Mr. Jim Griswold on October 15, 2012. In May 2016, Safety & Environmental Solutions, Inc. (SESI) determined horizontal extent of contamination at the release site using field chloride sampling. After the horizontal delineation, RDL hauled off 7,280 cubic yards of contaminated soil to an approved NM facility, and then brought back 7,272 cubic yards of fill dirt. RDL executed the approved work plan which was completed June 2016.

IV. Request for Closure

Devon respectfully requests the closure of 2RP-564 for drilling fluids and produced water released on January 5, 2011 and 2RP-812 for the acid and water on June 9, 2011.

V. Figures & Appendices

- Appendix A – C-141s
- Appendix B – Groundwater
- Appendix C – Analytical Results

Appendix A
Final 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

Form C-141
Revised August 8, 2011

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

Submit 1 Copy to appropriate District Office in
accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

Initial Report Final Report

Name of Company: Devon Energy Production Company, L.P.	Contact: Ralph Montoya, Drilling Superintendent
Address: 6488 Seven Rivers Hwy	Telephone No. 575-748-9935
Facility Name: Goodnight I Fee	Facility Type:

Surface Owner:	Mineral Owner:	Lease No 1H
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LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
G	1	12 S	28E	2585	North	1980	East	Chaves

Latitude 33 deg 18'25.961' Longitude 104 deg 05'03.364

NATURE OF RELEASE

Type of Release: Drilling fluids and water	Volume of Release: Estimated 2,300	Volume Recovered: 65 bbls
Source of Release: Unexpected water flow	Date and Hour of Occurrence 01/05/11-4:00AM	Date and Hour of Discovery 01/05/11-4:00AM
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Tim Gum	
By Whom? Ralph Montoya	Date and Hour: 01/07/10-11:00AM	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*
n/a

Describe Cause of Problem and Remedial Action Taken.*
The Goodnight I Fee 1H took a kick from a nearby abandoned SWD well approximately 1500ft from location. We were drilling 17 1/2" surface hole at 1,323' when kick occurred. Due to the pressure of the old injection zone and the limitations of well control, a 2300 bbl spill occurred. Proper diversion techniques were used to control the amount of the spill by filling up unused tanks on location.
Calls were made to get vacuum trucks, back hoes, bulldozers, and dump trucks to well site ASAP.

Describe Area Affected and Cleanup Action Taken.*
To date we have hauled off 48 yards of contaminated soil to Gandy-Marley salt disposal and land fill. Talon LPE, is going out to test soil and recommend remediation work that will be required.

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: Brett Fulks	Approved by Environmental Specialist:	
Title: EHS Representative	Approval Date:	Expiration Date:
E-mail Address: Brett.Fulks@dvn.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 0/27/16	Phone: 575-748-1844	

* Attach Additional Sheets If Necessary

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

Form C-141
Revised August 8, 2011

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

Submit 1 Copy to appropriate District Office in
accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

Initial Report Final Report

Name of Company: Devon Energy Production Company, L.P.	Contact: Ronnie Carre, Completions Foreman
Address: 6488 Seven Rivers Hwy-P.O.Box 250	Telephone No. 575-748-0179
Facility Name: Goodnight 1 Fee 1H, 30-005-64132	Facility Type: Well

Surface Owner:	Mineral Owner:	Lease No.
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LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
G	1	12 S	28E	2585	North	1980	FEL	Chaves

Latitude _____ Longitude _____

NATURE OF RELEASE

Type of Release: Acid/Water mix	Volume of Release: 300 barrels	Volume Recovered: 220 barrels
Source of Release:	Date and Hour of Occurrence 06-09-11 - 5:17 a.m.	Date and Hour of Discovery 06-09-11 - 5:17 a.m.
Was Immediate Notice Given? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour:	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*
A cross-threaded end cap on a tank caused the acid to leak out because it did not have a tight seal.

Describe Area Affected and Cleanup Action Taken.*
135'x81' on location and 135'x20' behind the tanks. Initial cleanup has been completed.

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: Brett Fulks	Approved by Environmental Specialist:	
Title: EHS Representative	Approval Date:	Expiration Date:
E-mail Address: Brett.Fulks@dvn.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 0/27/16	Phone: 575-748-1844	

* Attach Additional Sheets If Necessary

Appendix B

Groundwater



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
RA 10635			CH	3	3	4	02	12S	28E	583539	3684960*	200	140	60
RA 11198 POD1			CH	3	4	2	18	12S	28E	577551	3682494*	180	150	30

Average Depth to Water: **145 feet**

Minimum Depth: **140 feet**

Maximum Depth: **150 feet**

Record Count: 2

PLSS Search:

Township: 12S

Range: 28E

*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 C

Analytical Results

August 07, 2012

MIKE STUBBLEFIELD

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: GOODNIGHT 1 FEE # 1 H

Enclosed are the results of analyses for samples received by the laboratory on 08/06/12 14:06.

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:	08/06/2012	Sampling Date:	06/20/2012
Reported:	08/07/2012	Sampling Type:	Soil
Project Name:	GOODNIGHT 1 FEE # 1 H	Sampling Condition:	** (See Notes)
Project Number:	700794.005	Sample Received By:	Jodi Henson
Project Location:	1-12-28		

Sample ID: B - 1 20' (H201824-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	08/07/2012	ND	416	104	400	3.92	

Sample ID: B - 1 40' (H201824-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	08/07/2012	ND	416	104	400	3.92	

Sample ID: B - 1 60' (H201824-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	08/07/2012	ND	416	104	400	3.92	

Sample ID: B - 1 80' (H201824-04)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	08/07/2012	ND	416	104	400	3.92	

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:	08/06/2012	Sampling Date:	06/20/2012
Reported:	08/07/2012	Sampling Type:	Soil
Project Name:	GOODNIGHT 1 FEE # 1 H	Sampling Condition:	** (See Notes)
Project Number:	700794.005	Sample Received By:	Jodi Henson
Project Location:	1-12-28		

Sample ID: B - 1 100' (H201824-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	08/07/2012	ND	416	104	400	3.92	

Sample ID: B - 1 120' (H201824-06)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	08/07/2012	ND	416	104	400	3.92	

Sample ID: B - 1 140' (H201824-07)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	14400	16.0	08/07/2012	ND	416	104	400	3.92	

Sample ID: B - 1 160' (H201824-08)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4700	16.0	08/07/2012	ND	416	104	400	3.92	

Sample ID: B - 1 180' (H201824-09)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	212000	16.0	08/07/2012	ND	416	104	400	3.92	

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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:	08/06/2012	Sampling Date:	06/20/2012
Reported:	08/07/2012	Sampling Type:	Soil
Project Name:	GOODNIGHT 1 FEE # 1 H	Sampling Condition:	** (See Notes)
Project Number:	700794.005	Sample Received By:	Jodi Henson
Project Location:	1-12-28		

Sample ID: B - 1 200' (H201824-10)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464000	16.0	08/07/2012	ND	400	100	400	4.08	

Sample ID: B - 1 220' (H201824-11)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480000	16.0	08/07/2012	ND	400	100	400	4.08	

Sample ID: B - 1 240' (H201824-12)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496000	16.0	08/07/2012	ND	400	100	400	4.08	

Sample ID: B - 1 260' (H201824-13)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512000	16.0	08/07/2012	ND	400	100	400	4.08	

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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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: <i>Jalon/LPE</i>				BILL TO				ANALYSIS REQUEST																							
Project Manager: <i>David Adkins</i>				P.O. #:				Total Chlorides																							
Address: <i>408 W. Texas</i>				Company: <i>Jalon/LPE</i>																											
City: <i>Artesia</i>		State: <i>NM</i>		Zip: <i>88210</i>		Attn:																									
Phone #: <i>575-746-8768</i>		Fax #: <i>575-746-8905</i>		Address:																											
Project #: <i>700794,005</i>		Project Owner: <i>Devon</i>		City:																											
Project Name: <i>Soadmeat 1 Geo # 1H</i>				State: Zip:																											
Project Location: <i>1-12-28</i>				Phone #:																											
Sampler Name: <i>Mike Stubblefield</i>				Fax #:																											
FOR LAB USE ONLY																															
Lab I.D.	Sample I.D.			(C)RAB OR (C)OMP.	# CONTAINERS	MATRIX														PRESERV.			SAMPLING								
						GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME															
<i>H201824</i>																															
<i>1</i>	<i>B-1</i>	<i>30'</i>	<i>6</i>	<i>6</i>				<i>1</i>					<i>1</i>	<i>6/20/12</i>		<i>X</i>															
<i>2</i>	<i>B-1</i>	<i>40'</i>	<i>6</i>	<i>6</i>				<i>1</i>					<i>1</i>	<i>6/20/12</i>		<i>X</i>															
<i>3</i>	<i>B-1</i>	<i>60'</i>	<i>6</i>	<i>6</i>				<i>1</i>					<i>1</i>	<i>6/20/12</i>		<i>X</i>															
<i>4</i>	<i>B-1</i>	<i>80'</i>	<i>6</i>	<i>6</i>				<i>1</i>					<i>1</i>	<i>6/20/12</i>		<i>X</i>															
<i>5</i>	<i>B-1</i>	<i>100'</i>	<i>6</i>	<i>6</i>				<i>1</i>					<i>1</i>	<i>6/20/12</i>		<i>X</i>															
<i>6</i>	<i>B-1</i>	<i>120'</i>	<i>6</i>	<i>6</i>				<i>1</i>					<i>1</i>	<i>6/20/12</i>		<i>X</i>															
<i>7</i>	<i>B-1</i>	<i>140'</i>	<i>6</i>	<i>6</i>				<i>1</i>					<i>1</i>	<i>6/20/12</i>		<i>X</i>															
<i>8</i>	<i>B-1</i>	<i>160'</i>	<i>6</i>	<i>6</i>				<i>1</i>					<i>1</i>	<i>6/20/12</i>		<i>X</i>															
<i>9</i>	<i>B-1</i>	<i>180'</i>	<i>6</i>	<i>6</i>				<i>1</i>					<i>1</i>	<i>6/20/12</i>		<i>X</i>															
<i>10</i>	<i>B-1</i>	<i>200'</i>	<i>6</i>	<i>6</i>				<i>1</i>					<i>1</i>	<i>6/20/12</i>		<i>X</i>															

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.

Relinquished By: <i>Mike Stubblefield</i>		Date: <i>8/6/2012</i>	Received By: <i>[Signature]</i>		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
		Time: <i>11:00A</i>			Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By: <i>[Signature]</i>		Date: <i>8/6/12</i>	Received By: <i>Jodi Henson</i>		REMARKS: <i>* Samples received outside EPA recommended hold time. ch 8/6/12</i>	
		Time: <i>1406</i>				
Delivered By: (Circle One) Sampler - UPS - Bus - Other: <i>310</i>			Sample Condition Cool Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Checked By: (Initials) <i>JH</i>		

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

#26

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: <i>David Adkins</i>		P.O. #:				<div style="font-size: 2em; transform: rotate(-90deg); display: inline-block;">Chloride</div>																							
Address: <i>408 W. Texas</i>		Company: <i>Talon</i>																											
City: <i>Artesia</i> State: <i>NM</i> Zip: <i>88210</i>		Attn:																											
Phone #: <i>575-746-8768</i> Fax #: <i>575-746-8905</i>		Address:																											
Project #: <i>700994.D05</i> Project Owner: <i>Devon</i>		City:																											
Project Name: <i>Goodnight 1 Sec 1A</i>		State: Zip:																											
Project Location: <i>1-12-24</i>		Phone #:																											
Sampler Name: <i>Mike Stubblefield</i>		Fax #:																											
FOR LAB USE ONLY																													
Lab I.D.	Sample I.D.	# CONTAINERS	MATRIX															PRESERV.		SAMPLING									
			GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME																
<i>H201824</i>																													
<i>11</i>	<i>B-1 220'</i>	<i>6</i>			<i>1</i>					<i>1</i>		<i>4/20/12</i>		<i>X</i>															
<i>12</i>	<i>B-1 240'</i>	<i>6</i>			<i>1</i>					<i>1</i>		<i>6/30/12</i>		<i>X</i>															
<i>13</i>	<i>B-1 260'</i>	<i>6</i>			<i>1</i>					<i>1</i>		<i>4/20/12</i>		<i>X</i>															

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Relinquished By: <i>Mike Stubblefield</i>	Date: <i>8/6/2012</i>	Time: <i>11:00 AM</i>	Received By: <i>[Signature]</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By: <i>[Signature]</i>	Date: <i>8/6/12</i>	Time: <i>1406</i>	Received By: <i>Jodi Henson</i>	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - <u>Other</u>	Sample Condition Cool Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CHECKED BY: (Initials) <i>[Signature]</i>		REMARKS: <i>* Samples received outside EPA recommended hold time. ch 8/6/12</i>	

#26



June 06, 2016

Bob Allen

Safety & Environmental Solutions

703 East Clinton

Hobbs, NM 88240

RE: DEV-16-009

Enclosed are the results of analyses for samples received by the laboratory on 05/31/16 8:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-15-7. 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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

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: 05/31/2016
 Reported: 06/06/2016
 Project Name: DEV-16-009
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 05/27/2016
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Jodi Henson

Sample ID: SP - 1 (H601179-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	06/02/2016	ND	416	104	400	7.41	

Sample ID: SP - 2 (H601179-02)

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	06/02/2016	ND	416	104	400	7.41	

Sample ID: SP - 3 (H601179-03)

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	06/02/2016	ND	416	104	400	7.41	

Sample ID: SP - 4 (H601179-04)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	06/02/2016	ND	416	104	400	7.41	

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* = 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:	05/31/2016	Sampling Date:	05/27/2016
Reported:	06/06/2016	Sampling Type:	Soil
Project Name:	DEV-16-009	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP - 5 (H601179-05)

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	06/03/2016	ND	416	104	400	0.00	

Sample ID: SP - 8 (H601179-06)

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	06/03/2016	ND	416	104	400	0.00	

Sample ID: SP - 11 (H601179-07)

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	06/03/2016	ND	416	104	400	0.00	

Sample ID: SP - 12 (H601179-08)

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	06/03/2016	ND	416	104	400	0.00	

Sample ID: SP - 13 (H601179-09)

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	06/03/2016	ND	416	104	400	0.00	

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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: 05/31/2016
 Reported: 06/06/2016
 Project Name: DEV-16-009
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 05/27/2016
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Jodi Henson

Sample ID: SP - 14 (H601179-10)

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	06/03/2016	ND	416	104	400	0.00	

Sample ID: SP - 15 (H601179-11)

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	06/03/2016	ND	416	104	400	0.00	

Sample ID: SP - 16 (H601179-12)

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	06/03/2016	ND	416	104	400	0.00	

Sample ID: SP - 17 (H601179-13)

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	06/03/2016	ND	416	104	400	0.00	

Sample ID: SP - 18 (H601179-14)

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	06/03/2016	ND	416	104	400	0.00	

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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:	05/31/2016	Sampling Date:	05/27/2016
Reported:	06/06/2016	Sampling Type:	Soil
Project Name:	DEV-16-009	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: STOCK PILE #1 C-1 (H601179-15)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	848	16.0	06/03/2016	ND	416	104	400	0.00	

Sample ID: STOCK PILE #2 C-2 (H601179-16)

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	06/03/2016	ND	416	104	400	0.00	

Sample ID: STOCK PILE #3 C-3 (H601179-17)

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	06/03/2016	ND	416	104	400	0.00	

Sample ID: STOCK PILE #4 C-4 (H601179-18)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	06/03/2016	ND	416	104	400	0.00	

Sample ID: STOCK PILE #5 C-5 (H601179-19)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4480	16.0	06/03/2016	ND	416	104	400	0.00	

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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:	05/31/2016	Sampling Date:	05/27/2016
Reported:	06/06/2016	Sampling Type:	Soil
Project Name:	DEV-16-009	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: STOCK PILE #6 C-6 (H601179-20)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6320	16.0	06/03/2016	ND	416	104	400	0.00	

Sample ID: STOCK PILE #7 C-7 (H601179-21)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	06/03/2016	ND	416	104	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



CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Safety and Environmental Solutions **BILL TO** ANALYSIS REQUEST

Project Manager: Bob Allen P.O. #:

Address: 703 East Clinton, PO Box 1613 Company: Same

City: Hobbs State: NM Zip: 88240 Attn:

Phone #: 575 397-0510 Fax #: 575 393-4388 Address:

Project #: Dev-16-009 Project Owner: City:

Project Name: State: Zip:

Project Location: Phone #:

Sampler Name: Fax #:

FOR LAB USE ONLY

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	REMARKS
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :			
11	SP-15	q 1	1						05/27	1305	X Chloride	
12	SP-16	q 1	1						05/27	1320		
13	SP-17	q 1	1						05/27	1345		
14	SP-18	q 1	1						05/27	1400		
15	Stack Pile #1 C-1	q 1	1						05/27	1500		
16	Stack Pile #2 C-2	q 1	1						05/27	1510		
17	Stack Pile #3 C-3	q 1	1						05/27	1525		
18	Stack Pile #4 C-4	q 1	1						05/27	1540		
19	Stack Pile #5 C-5	q 1	1						05/27	1600		
20	Stack Pile #6 C-6	q 1	1						05/27	1620	X	

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Refiniquished By: Don Jany Date: 05/31/16 Received By: Wade Johnson Phone Result: Yes No Add'l Phone #:
 Time: 8:00 Date: 05/31/16 Received By: Wade Johnson Fax Result: Yes No Add'l Fax #:
 REMARKS:

Relinquished By: Don Jany Date: 05/31/16 Received By: Wade Johnson
 Time: 8:00 Date: 05/31/16 Received By: Wade Johnson

Delivered By: (Circle One) Cool Intact Yes No Yes No
 Sample Condition

Sampler - UPS - Bus - Other: 23.60 Yes No
 CHECKED BY: [Signature]

23.60

