

Incident ID	nab1432353445
District RP	2RP-2611
Facility ID	
Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: *Each of the following items must be included in the closure report.*

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Dale Woodall Title: EHS Professional

Signature: Dale Woodall Date: 5/10/2023

email: dale.woodall@dvn.com Telephone: 405-318-4697

OCD Only

Received by: OCD Date: 5/10/2023

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: Ashley Maxwell Date: 5/11/2023

Printed Name: Ashley Maxwell Title: Environmental Scientist



June 17, 2015

Mr. Mike Bratcher
NMOCD District 2
 811 S. 1st Street
 Artesia, NM 88210

AMARILLO
 921 North Bivins
 Amarillo, Texas 79107
 Phone 806.467.0607
 Fax 806.467.0622

ARTESIA
 408 West Texas Ave.
 Artesia, New Mexico 88210
 Phone 575.746.8768
 Fax 575.746.8905

Subject: **Remedial Activities and Closure Report**
 Devon Energy Corporation
 Todd 26 G Federal #2
 API # 30-015-20277 – 2RP-2611
 Lease No.: NM-NM-0405444-A

Dear Mr. Bratcher

HOBBS
 318 East Taylor Street
 Hobbs, New Mexico 88240
 Phone 575.393.4261
 Fax 575.393.4658

Devon Energy Corporation (Devon) has contracted Talon/LPE (Talon) to perform initial spill response, soil assessment and remediation services at the above referenced location. The incident description, soil sampling results, remediation activities and closure request are submitted herein.

MIDLAND
 2901 State Hwy 349
 Midland, Texas 79706
 Phone 432.522.2133
 Fax 432.522.2180

Incident Date

November 9, 2014

Background Information

OKLAHOMA CITY
 7700 North Hudson Avenue
 Suite 10
 Oklahoma City, Oklahoma 73116
 Phone 405.486.7030
 Fax 806.467.0622

The Todd 26 G Federal #2 is located approximately thirty-eight (38) miles southeast of Carlsbad, New Mexico. The legal location for the site is Unit letter G of Section 26, Township 23S, Range 31E in Eddy County, New Mexico. More specifically the latitude and longitude for the release are 32.2771913 North and -103.7454125 West. See site plan in [Appendix I](#).

SAN ANTONIO
 13111 Lookout Way
 San Antonio, Texas 78233
 Phone 210.265.8025
 Fax 210.568.2191

According to the soil survey provided by the United States Department of Agriculture Natural Resources Conservation Service, the soil in this area is made up of Simona and Wink fine sandy loams with 0 to 3 percent slopes. Per the New Mexico Bureau of Geology and Mineral Resources, the local surface and shallow geology is Holocene to Middle Pleistocene in age and is comprised of eolian sands. Drainage courses in this area are normally dry. Ground water in the project vicinity is approximately 430-feet below ground surface (bgs), according to the New Mexico Office of the State Engineer. See [Appendix II](#) for the referenced groundwater data.

The ranking for this site is 0 based on the following:

ENVIRONMENTAL CONSULTING
 ENGINEERING
 DRILLING
 CONSTRUCTION
 SPILL MANAGEMENT
 GENERAL CONTRACTING

Depth to ground water	>100'
Wellhead protection area	>1000'
Distance to surface water body	>1000'

Incident Description

A power failure at the Todd 26 G Fed 2 SWD caused the release of 45 barrels of oil. The wells were shut-in and the faulty unit was replaced. The wells were then put back into service. A vacuum truck was immediately dispatched to the location and recovered 40 barrels of oil. Additionally a backhoe was utilized to scraped the saturated soil off of the surface of the location. The area effected remained on the north side of the location with a flow path measuring approximately 217-feet long by 30-feet wide. See site plan in [Appendix I](#).

Actions Taken

On November 14, 2014 Talon mobilized personnel to begin the site assessment and soil sampling activities for the construction of a work plan. Grab soil samples were collected utilizing a hand auger to a depth of 2.5-feet below ground surface. [See Table 1](#).

All soil samples were collected by Talon personnel wearing clean nitrile gloves. The soil samples were placed in laboratory provided sample containers, iced and transported to Cardinal Laboratories in Hobbs, New Mexico for analysis. The samples were tested for TPH (Total Petroleum Hydrocarbons) using EPA Method 8015M, and volatile organics (BTEX) using EPA Method 8021B. The chloride samples were analyzed per Method SM4500Cl-B.

Laboratory Results

See [Appendix III](#) for complete report of laboratory results.

November 20, 2014

Table 1

Sample ID	Depth (feet)	BTEX (mg/kg)	Chlorides (mg/kg)	TPH (mg/kg) GRO	TPH (mg/kg) DRO
S-1	0'	ND	48	ND	ND
	1'	ND	1340	ND	69.4
	2'	--	1760	--	--
	2.5'	--	672	--	--
S-2	0'	ND	144	ND	ND
	1'	ND	ND	ND	ND
	2'	--	ND	--	--
S-3	0'	54.7	ND	1070	5630
	1'	ND	ND	ND	ND
	2'	--	ND	--	--
S-4	0'	167	32	4250	15800
	1'	ND	32	13.4	ND
	2'	--	ND	--	--
S-5	0'	59.2	48	1130	4320
	1'	ND	48	ND	10.1
	2'	--	ND	--	--

(--) Analyte Not Tested

(ND) Analyte Not Detected

Based upon the site ranking of **0**, NMOCD Recommended Remedial Action Levels (RRAL) are 50 mg/kg for BTEX, 10 mg/kg for Benzene, and 5,000 mg/kg for TPH.

Remedial Actions

- The impacted area in the vicinity of sample location S-1 was excavated to a depth of 2.5-feet bgs.
- The impacted area in the vicinity of sample locations S-3, S-4 and S-5 were excavated to a depth of 1-foot bgs.
- Per NMOCD stipulations, confirmation soil samples were taken at sample locations S-3, S-4 and S-5. The results of these confirmation samples are summarized in the table below.
- All of the excavated material was hauled to an NMOCD approved solid waste disposal facility.
- The excavation was backfilled with caliche and contoured to match the surrounding location.

Confirmation Sampling

See [Appendix III](#) for complete report of laboratory results.

April 16, 2015

Sample ID	Depth (feet)	BTEX (mg/kg)	Chlorides (mg/kg)	TPH (mg/kg) GRO	TPH (mg/kg) DRO
S-3	1	ND	--	ND	ND
S-4	1	ND	--	ND	26.8
S-5	1	ND	--	ND	ND

(--) Analyte Not Tested

(ND) Analyte Not Detected

Closure

On behalf of Devon Energy we respectfully request that no further actions be required and that closure with respect to this release be granted.

If we can provide additional information or be of further assistance please contact our office at 575.746.8768.

Respectfully submitted,

TALON/LPE

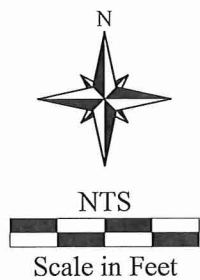
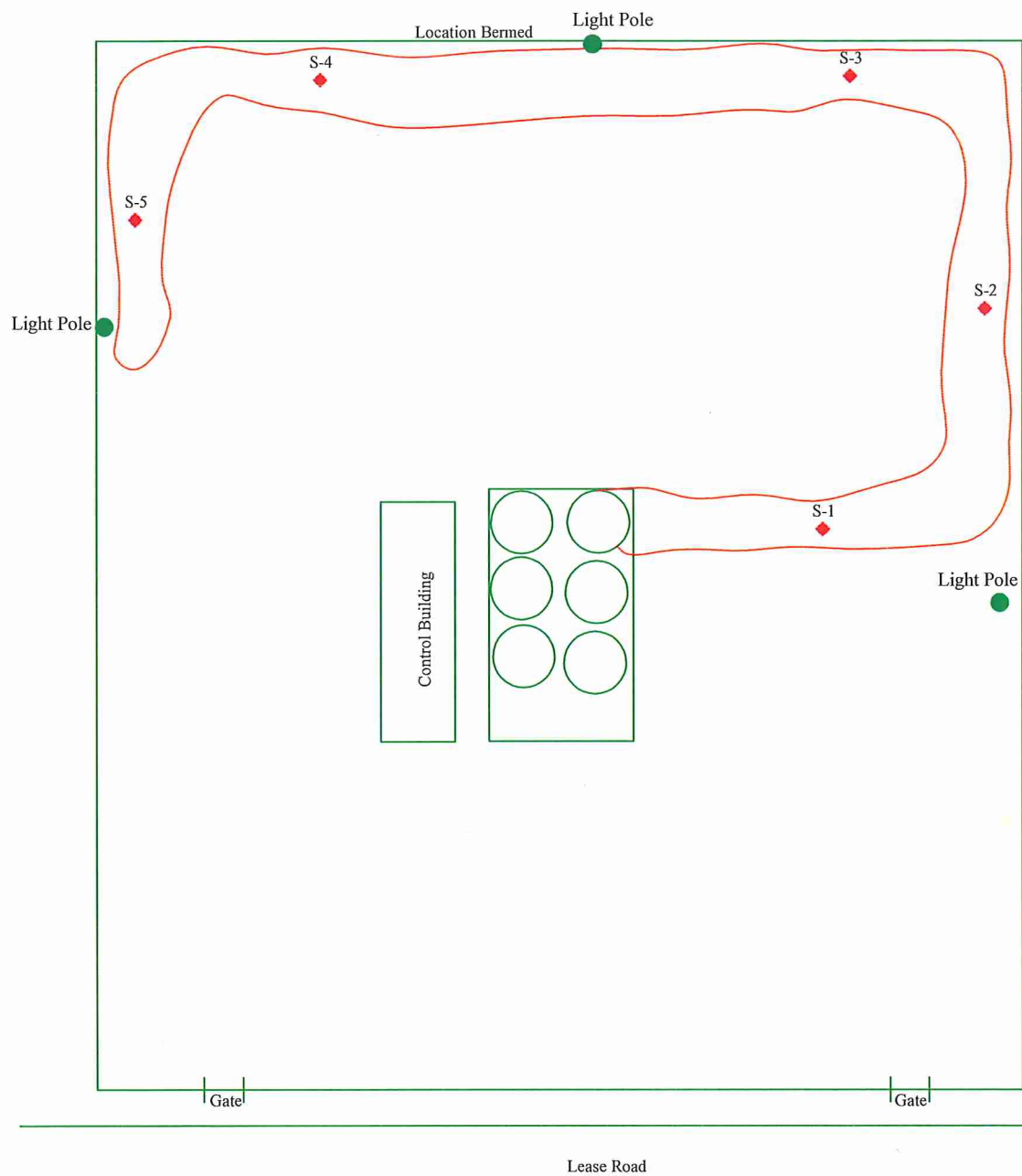


Kimberly M. Wilson
Project Manager



David J. Adkins
District Manager

APPENDIX I
SITE MAP



Legend	
◆	- Sample Location



Date: 11/18/2014
Scale: NTS
Drawn By: TJS

Todd 26 SWD
Devon Energy Corporation
Eddy County, New Mexico
Figure 1 - Site Plan

APPENDIX II
GROUNDWATER DATA
INITIAL C-141



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	Distance	Depth Well	Depth Water	Water Column
C 02258	C	ED		3	2	26	23S	31E		618055	3571853*	425	662		
C 02348	C	ED		1	4	3	26	23S	31E	617648	3571068	1298	700	430	270

Average Depth to Water: 430 feet
Minimum Depth: 430 feet
Maximum Depth: 430 feet

Record Count: 2

UTMNAD83 Radius Search (in meters):

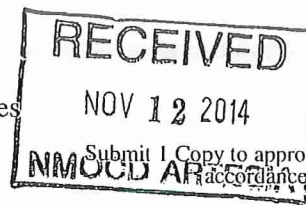
Easting (X): 618351 Northing (Y): 3572159 Radius: 3000

*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.

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



Form C-141
Revised August 8, 2011

Release Notification and Corrective Action

0 AB143 235 3445 OPERATOR ☒ Initial Report ☐ Final Report

Name of Company Devon Energy Production <u>6137</u>	Contact Daniel Suniga- Devon Production Foreman
Address 6488 Seven Rivers Hwy Artesia, NM 88220	Telephone No. 575-390-5850
Facility Name Todd 26G Fed 2 SWD	Facility Type Salt Water Disposal

Surface Owner Federal	Mineral Owner Federal	API No. 30-015-20277
-----------------------	-----------------------	----------------------

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
G	S26	T23S	R31E	1980	FNL	1650	FEL	Eddy

Latitude: 32.277191377827 Longitude: -103.745412550316

NATURE OF RELEASE

Type of Release Spill Oil	Volume of Release 45 bbls oil	Volume Recovered 40bbls oil
Source of Release Oil tank overflow	Date and Hour of Occurrence November 09, 2014 ~8:30 AM	Date and Hour of Discovery November 09, 2014 9:00 AM
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Mike Bratcher- OCD Jeff Robertson- BLM	
By Whom? Wesley Ryan- Devon Assistant Production Foreman	Date and Hour November 10, 2014 11:21 AM; November 11, 2014 3:00 PM	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse N/A	
If a Watercourse was Impacted, Describe Fully.* N/A		

Describe Cause of Problem and Remedial Action Taken.*

The DR-120-24V power supply that provides 24 VDC to the PLC failed and a loss of power occurred at the Todd 26G Fed 2 SWD that led to a spill of 45 bbls of oil. As a result of the power outage pumps and alarms lost power and communication with each other. The faulty unit was replaced and power was restored to the PLC.

Describe Area Affected and Cleanup Action Taken.*

A 60'x20' area of the pad at the Northwest side near the storage tanks inside the berm containment was affected by the spill requiring the aid of a vacuum truck provided by Standard Energy Services. 40 bbls of the 45 bbls of oil spilled were recovered. The contaminated caliche will be removed and replaced with clean caliche.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOC D 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 NMOC D 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, NMOC D 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: <u>Yuri Fernandez</u>	OIL CONSERVATION DIVISION	
Printed Name: Yuri Fernandez	Approved by Environmental Specialist <u>[Signature]</u>	
Title: Field Admin Support	Approval Date: <u>11/19/14</u>	Expiration Date: <u>N/A</u>
E-mail Address: Yuri.Fernandez@dvn.com	Conditions of Approval: Remediation per O.C.D. Rules & Guidelines <input type="checkbox"/> Attached <input type="checkbox"/>	
Date: November 11, 2014 Phone: 575.748.1846	SUBMIT REMEDIATION PROPOSAL NO <u>2RP-2611</u>	

* Attach Additional Sheets If Necessary

LATER THAN: 12/19/14

2RP-2611

Incident ID	nab1432353445
District RP	2RP-2611
Facility ID	
Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: *Each of the following items must be included in the closure report.*

- ☐ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☐ Description of remediation activities

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Printed Name: Dale Woodall Title: EHS Professional

Signature: Dale Woodall Date: 5/10/2023

email: dale.woodall@dvn.com Telephone: 405-318-4697

OCD Only

Received by: _____ Date: _____

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

APPENDIX III
LABORATORY RESULTS



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

November 20, 2014

DAVID ADKINS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: TODD 26 SWD

Enclosed are the results of analyses for samples received by the laboratory on 11/14/14 14:05.

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/ga/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



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

Analytical Results For:

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

Received:	11/14/2014	Sampling Date:	11/14/2014
Reported:	11/20/2014	Sampling Type:	Soil
Project Name:	TODD 26 SWD	Sampling Condition:	Cool & Intact
Project Number:	700794.073.01	Sample Received By:	Jodi Henson
Project Location:	DEVON F-26-23-31		

Sample ID: S-1 0' (H403524-01)

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/18/2014	ND	1.76	88.1	2.00	7.77	
Toluene*	<0.050	0.050	11/18/2014	ND	1.71	85.4	2.00	8.13	
Ethylbenzene*	<0.050	0.050	11/18/2014	ND	1.67	83.7	2.00	9.31	
Total Xylenes*	<0.150	0.150	11/18/2014	ND	5.02	83.7	6.00	9.55	
Total BTX	<0.300	0.300	11/18/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 97.8 % 61-154

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	11/17/2014	ND	400	100	400	3.92	

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	11/15/2014	ND	223	111	200	0.588	
DRO >C10-C28	<10.0	10.0	11/15/2014	ND	220	110	200	0.939	

Surrogate: 1-Chlorooctane 119 % 47.2-157

Surrogate: 1-Chlorooctadecane 131 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

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 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.

Celestine Keene

Celestine D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/14/2014
Reported: 11/20/2014
Project Name: TODD 26 SWD
Project Number: 700794.073.01
Project Location: DEVON F-26-23-31

Sampling Date: 11/14/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S-1 1' (H403524-02)

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/18/2014	ND	1.76	88.1	2.00	7.77	
Toluene*	<0.050	0.050	11/18/2014	ND	1.71	85.4	2.00	8.13	
Ethylbenzene*	<0.050	0.050	11/18/2014	ND	1.67	83.7	2.00	9.31	
Total Xylenes*	<0.150	0.150	11/18/2014	ND	5.02	83.7	6.00	9.55	
Total BTX	<0.300	0.300	11/18/2014	ND					

Surrogate: 4-Bromofluorobenzene (PII) 99.8 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1340	16.0	11/17/2014	ND	400	100	400	3.92	

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	11/15/2014	ND	223	111	200	0.588	
DRO >C10-C28	69.4	10.0	11/15/2014	ND	220	110	200	0.939	

Surrogate: 1-Chlorooctane 112 % 47.2-157

Surrogate: 1-Chlorooctadecane 120 % 52.1-176

Sample ID: S-1 2' (H403524-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1760	16.0	11/17/2014	ND	400	100	400	3.92	

Cardinal Laboratories

*=Accredited Analyte

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Celestine D. Keene

Celestine D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2014
 Reported: 11/20/2014
 Project Name: TODD 26 SWD
 Project Number: 700794.073.01
 Project Location: DEVON F-26-23-31

Sampling Date: 11/14/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: S-2 0' (H403524-04)

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/18/2014	ND	1.76	88.1	2.00	7.77	
Toluene*	<0.050	0.050	11/18/2014	ND	1.71	85.4	2.00	8.13	
Ethylbenzene*	<0.050	0.050	11/18/2014	ND	1.67	83.7	2.00	9.31	
Total Xylenes*	<0.150	0.150	11/18/2014	ND	5.02	83.7	6.00	9.55	
Total BTX	<0.300	0.300	11/18/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 61-154

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	11/17/2014	ND	400	100	400	3.92	

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	11/15/2014	ND	223	111	200	0.588	
DRO >C10-C28	<10.0	10.0	11/15/2014	ND	220	110	200	0.939	

Surrogate: 1-Chlorooctane 115 % 47.2-157

Surrogate: 1-Chlorooctadecane 120 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

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 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 D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	11/14/2014	Sampling Date:	11/14/2014
Reported:	11/20/2014	Sampling Type:	Soil
Project Name:	TODD 26 SWD	Sampling Condition:	Cool & Intact
Project Number:	700794.073.01	Sample Received By:	Jodi Henson
Project Location:	DEVON F-26-23-31		

Sample ID: S-2 1' (H403524-05)

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/18/2014	ND	1.76	88.1	2.00	7.77	
Toluene*	<0.050	0.050	11/18/2014	ND	1.71	85.4	2.00	8.13	
Ethylbenzene*	<0.050	0.050	11/18/2014	ND	1.67	83.7	2.00	9.31	
Total Xylenes*	<0.150	0.150	11/18/2014	ND	5.02	83.7	6.00	9.55	
Total BTX	<0.300	0.300	11/18/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 61-154

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	11/17/2014	ND	400	100	400	3.92	

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	11/15/2014	ND	223	111	200	0.588	
DRO >C10-C28	<10.0	10.0	11/15/2014	ND	220	110	200	0.939	

Surrogate: 1-Chlorooctane 119 % 47.2-157

Surrogate: 1-Chlorooctadecane 125 % 52.1-176

Sample ID: S-2 2' (H403524-06)

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	11/17/2014	ND	400	100	400	3.92	

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Celest D. Keene

Celest D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	11/14/2014	Sampling Date:	11/14/2014
Reported:	11/20/2014	Sampling Type:	Soil
Project Name:	TODD 26 SWD	Sampling Condition:	Cool & Intact
Project Number:	700794.073.01	Sample Received By:	Jodi Henson
Project Location:	DEVON F-26-23-31		

Sample ID: S-3 0' (H403524-07)

BTEX 8021B		mg/kg	Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	11/19/2014	ND	1.76	88.1	2.00	7.77	
Toluene*	7.92	0.200	11/19/2014	ND	1.71	85.4	2.00	8.13	
Ethylbenzene*	9.25	0.200	11/19/2014	ND	1.67	83.7	2.00	9.31	
Total Xylenes*	37.6	0.600	11/19/2014	ND	5.02	83.7	6.00	9.55	
Total BTEX	54.7	1.20	11/19/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 122 % 61-154

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	11/17/2014	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	1070	50.0	11/15/2014	ND	223	111	200	0.588	
DRO >C10-C28	5630	50.0	11/15/2014	ND	220	110	200	0.939	

Surrogate: 1-Chlorooctane 192 % 47.2-157

Surrogate: 1-Chlorooctadecane 184 % 52.1-176

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	11/14/2014	Sampling Date:	11/14/2014
Reported:	11/20/2014	Sampling Type:	Soil
Project Name:	TODD 26 SWD	Sampling Condition:	Cool & Intact
Project Number:	700794.073.01	Sample Received By:	Jodi Henson
Project Location:	DEVON F-26-23-31		

Sample ID: S-3 1' (H403524-08)

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/19/2014	ND	1.79	89.3	2.00	5.43	
Toluene*	<0.050	0.050	11/19/2014	ND	1.72	85.9	2.00	5.80	
Ethylbenzene*	<0.050	0.050	11/19/2014	ND	1.67	83.4	2.00	6.56	
Total Xylenes*	<0.150	0.150	11/19/2014	ND	5.01	83.6	6.00	6.86	
Total BTX	<0.300	0.300	11/19/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 99.0 % 61-154

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	11/17/2014	ND	400	100	400	3.92		

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	11/17/2014	ND	190	95.2	200	0.694	
DRO >C10-C28	<10.0	10.0	11/17/2014	ND	191	95.5	200	0.179	

Surrogate: 1-Chlorooctane 113 % 47.2-157

Surrogate: 1-Chlorooctadecane 124 % 52.1-176

Sample ID: S-3 2' (H403524-09)

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	11/17/2014	ND	400	100	400	3.92		

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Celestine D. Keene

Celestine D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/14/2014
Reported: 11/20/2014
Project Name: TODD 26 SWD
Project Number: 700794.073.01
Project Location: DEVON F-26-23-31

Sampling Date: 11/14/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S-4 0' (H403524-10)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	3.62	2.00	11/19/2014	ND	1.79	89.3	2.00	5.43	
Toluene*	49.8	2.00	11/19/2014	ND	1.72	85.9	2.00	5.80	
Ethylbenzene*	21.8	2.00	11/19/2014	ND	1.67	83.4	2.00	6.56	
Total Xylenes*	92.0	6.00	11/19/2014	ND	5.01	83.6	6.00	6.86	
Total BTEX	167	12.0	11/19/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 61-154

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	11/17/2014	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: ms						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	4250	50.0	11/17/2014	ND	190	95.2	200	0.694		
DRO >C10-C28	15800	50.0	11/17/2014	ND	191	95.5	200	0.179		

Surrogate: 1-Chlorooctane 300 % 47.2-157

Surrogate: 1-Chlorooctadecane 430 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/14/2014
Reported: 11/20/2014
Project Name: TODD 26 SWD
Project Number: 700794.073.01
Project Location: DEVON F-26-23-31

Sampling Date: 11/14/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S-4 1' (H403524-11)

BTEx 8021B			mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/19/2014	ND	1.79	89.3	2.00	5.43		
Toluene*	0.064	0.050	11/19/2014	ND	1.72	85.9	2.00	5.80		
Ethylbenzene*	<0.050	0.050	11/19/2014	ND	1.67	83.4	2.00	6.56		
Total Xylenes*	<0.150	0.150	11/19/2014	ND	5.01	83.6	6.00	6.86		
Total BTEX	<0.300	0.300	11/19/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 98.9 % 61-154

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	11/17/2014	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	13.4	10.0	11/17/2014	ND	190	95.2	200	0.694	
DRO >C10-C28	<10.0	10.0	11/17/2014	ND	191	95.5	200	0.179	

Surrogate: 1-Chlorooctane 117 % 47.2-157

Surrogate: 1-Chlorooctadecane 130 % 52.1-176

Sample ID: S-4 2' (H403524-12)

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	11/17/2014	ND	400	100	400	3.92	

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Analytical Results For:

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

Received: 11/14/2014
Reported: 11/20/2014
Project Name: TODD 26 SWD
Project Number: 700794.073.01
Project Location: DEVON F-26-23-31

Sampling Date: 11/14/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S-5 0' (H403524-13)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	11/19/2014	ND	1.79	89.3	2.00	5.43	
Toluene*	10.1	0.500	11/19/2014	ND	1.72	85.9	2.00	5.80	
Ethylbenzene*	8.45	0.500	11/19/2014	ND	1.67	83.4	2.00	6.56	
Total Xylenes*	40.7	1.50	11/19/2014	ND	5.01	83.6	6.00	6.86	
Total BTEX	59.2	3.00	11/19/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 111 % 61-154

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	11/17/2014	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: ms						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	1130	50.0	11/17/2014	ND	190	95.2	200	0.694		
DRO >C10-C28	4320	50.0	11/17/2014	ND	191	95.5	200	0.179		

Surrogate: 1-Chlorooctane 180 % 47.2-157

Surrogate: 1-Chlorooctadecane 176 % 52.1-176

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Analytical Results For:

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

Received:	11/14/2014	Sampling Date:	11/14/2014
Reported:	11/20/2014	Sampling Type:	Soil
Project Name:	TODD 26 SWD	Sampling Condition:	Cool & Intact
Project Number:	700794.073.01	Sample Received By:	Jodi Henson
Project Location:	DEVON F-26-23-31		

Sample ID: S-5 1' (H403524-14)

BTEX 8021B			mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/19/2014	ND	1.79	89.3	2.00	5.43		
Toluene*	<0.050	0.050	11/19/2014	ND	1.72	85.9	2.00	5.80		
Ethylbenzene*	<0.050	0.050	11/19/2014	ND	1.67	83.4	2.00	6.56		
Total Xylenes*	<0.150	0.150	11/19/2014	ND	5.01	83.6	6.00	6.86		
Total BTEX	<0.300	0.300	11/19/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 98.2 % 61-154

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	11/17/2014	ND	400	100	400	3.92	

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	11/17/2014	ND	190	95.2	200	0.694	
DRO >C10-C28	10.1	10.0	11/17/2014	ND	191	95.5	200	0.179	

Surrogate: 1-Chlorooctane 119 % 47.2-157

Surrogate: 1-Chlorooctadecane 132 % 52.1-176

Sample ID: S-5 2' (H403524-15)

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	11/17/2014	ND	400	100	400	3.92		

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Celestine D. Keene

Celestine D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
- 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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Page 13 of 14



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 14 of 14



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

April 15, 2015

KIMBERLY WILSON

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: TODD 26 FED #2

Enclosed are the results of analyses for samples received by the laboratory on 04/15/15 12:54.

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.

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



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

Analytical Results For:

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

Received:	04/15/2015	Sampling Date:	04/15/2015
Reported:	04/15/2015	Sampling Type:	Soil
Project Name:	TODD 26 FED #2	Sampling Condition:	Cool & Intact
Project Number:	700794073.02	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: S-1 2.5' (H500988-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	672	16.0	04/15/2015	ND	432	108	400	7.69	

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Caley D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

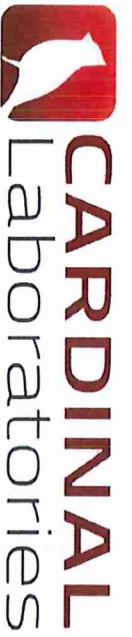
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: <u>Talbot/Spec</u>		P.O. #:		BILL TO												ANALYSIS REQUEST																													
Project Manager: <u>K. Wilson</u>		City: <u>Adair</u>		State: <u>NM</u>		Zip: <u>88240</u>		Company: <u>Talbot/Spec</u>																																					
Address: <u>408 W Texas</u>		Attn: <u></u>		Address: <u></u>		City: <u></u>		State: <u></u>		Zip: <u></u>																																			
Phone #: <u></u>		Fax #: <u></u>		Project #: <u>7007990302</u>		Project Owner: <u>Devon</u>		Project Location: <u>Todd Rd Fld # 2</u>		Phone #: <u></u>		Fax #: <u></u>																																	
Sampler Name: <u>G. Paetz</u>		FOR LAB USE ONLY		Lab I.D. <u>H500988</u>		Sample I.D. <u>15-12.5</u>		(G)RAB OR (C)OMP. <u>G</u>		# CONTAINERS <u>5</u>		GROUNDWATER <u>X</u>		WASTEWATER <u>X</u>		SOIL <u>X</u>		OIL <u>X</u>		SLUDGE <u>X</u>		OTHER: <u>X</u>		ACID/BASE: <u>X</u>		ICE / COOL <u>X</u>		OTHER: <u>X</u>		DATE <u>4-15-15</u>		TIME <u>11:20</u>		Total Chlorides											
Relinquished By: <u>[Signature]</u>		Date: <u>4-15-15</u>		Time: <u>12:54</u>		Received By: <u>[Signature]</u>		Date: <u></u>		Time: <u></u>		Sample Condition <u>Cool</u>		Intact <u>Yes</u>		Yes <u>Yes</u>		No <u>No</u>		Checked By: <u>[Signature]</u>		Phone Result: <u></u>		Fax Result: <u></u>		Yes <u></u>		No <u></u>		Add'l Phone #: <u></u>		Add'l Fax #: <u></u>		REUSH!!											
Delivered By: (Circle One)		Sampler - UPS - Bus - Other:		Sample Condition		Cool		Intact		Yes		No		Yes		No		Checked By: <u>[Signature]</u>		Phone Result: <u></u>		Fax Result: <u></u>		Yes <u></u>		No <u></u>		Add'l Phone #: <u></u>		Add'l Fax #: <u></u>															

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



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

April 16, 2015

KIMBERLY WILSON

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: TODD 26 FED #2

Enclosed are the results of analyses for samples received by the laboratory on 04/15/15 12:54.

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.

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



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

Analytical Results For:

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

Received:	04/15/2015	Sampling Date:	04/15/2015
Reported:	04/16/2015	Sampling Type:	Soil
Project Name:	TODD 26 FED #2	Sampling Condition:	Cool & Intact
Project Number:	700794073.02	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: S-3 1' (H500989-01)

BTEX 8021B			mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/15/2015	ND	1.92	95.8	2.00	1.15		
Toluene*	<0.050	0.050	04/15/2015	ND	1.78	88.8	2.00	2.23		
Ethylbenzene*	<0.050	0.050	04/15/2015	ND	1.70	85.0	2.00	0.164		
Total Xylenes*	<0.150	0.150	04/15/2015	ND	5.47	91.2	6.00	0.529		
Total BTEX	<0.300	0.300	04/15/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 61-154

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	04/15/2015	ND	217	109	200	6.47			
DRO >C10-C28	<10.0	10.0	04/15/2015	ND	220	110	200	4.27			

Surrogate: 1-Chlorooctane 109 % 47.2-157

Surrogate: 1-Chlorooctadecane 115 % 52.1-176

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	04/15/2015	Sampling Date:	04/15/2015
Reported:	04/16/2015	Sampling Type:	Soil
Project Name:	TODD 26 FED #2	Sampling Condition:	Cool & Intact
Project Number:	700794073.02	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: S-4 1' (H500989-02)

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/15/2015	ND	1.92	95.8	2.00	1.15	
Toluene*	<0.050	0.050	04/15/2015	ND	1.78	88.8	2.00	2.23	
Ethylbenzene*	<0.050	0.050	04/15/2015	ND	1.70	85.0	2.00	0.164	
Total Xylenes*	<0.150	0.150	04/15/2015	ND	5.47	91.2	6.00	0.529	
Total BTX	<0.300	0.300	04/15/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 109 % 61-154

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	04/15/2015	ND	217	109	200	6.47	
DRO >C10-C28	26.8	10.0	04/15/2015	ND	220	110	200	4.27	

Surrogate: 1-Chlorooctane 107 % 47.2-157

Surrogate: 1-Chlorooctadecane 110 % 52.1-176

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	04/15/2015	Sampling Date:	04/15/2015
Reported:	04/16/2015	Sampling Type:	Soil
Project Name:	TODD 26 FED #2	Sampling Condition:	Cool & Intact
Project Number:	700794073.02	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: S-5 1' (H500989-03)

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/15/2015	ND	1.92	95.8	2.00	1.15	
Toluene*	<0.050	0.050	04/15/2015	ND	1.78	88.8	2.00	2.23	
Ethylbenzene*	<0.050	0.050	04/15/2015	ND	1.70	85.0	2.00	0.164	
Total Xylenes*	<0.150	0.150	04/15/2015	ND	5.47	91.2	6.00	0.529	
Total BTX	<0.300	0.300	04/15/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 112 % 61-154

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	04/15/2015	ND	217	109	200	6.47	
DRO >C10-C28	<10.0	10.0	04/15/2015	ND	220	110	200	4.27	

Surrogate: 1-Chlorooctane 109 % 47.2-157

Surrogate: 1-Chlorooctadecane 115 % 52.1-176

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Celest D. Keene

Celest D. Keene, Lab Director/Quality Manager



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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 D. Keene

Celey D. Keene, Lab Director/Quality Manager



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rust!

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1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 215469

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 215469
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	None	5/11/2023