



June 24, 2013

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

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

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

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

SAN ANTONIO
11 Commercial Place
Schertz, Texas 78154
Phone 210.265.8025
Fax 210.568.2191

Subject: **Remediation and Closure Report**
Devon Energy Corporation
Turkey Town State Com No.1
API # 30-015-24228 2RP-1584

Dear Mr. Bratcher,

Devon Energy has contracted Talon/LPE (Talon) to perform soil assessment and remediation services at the referenced Turkey Town State Com No.1 release. The results of our soil assessment, completed remediation activities and closure request are submitted herein.

Background Information

The Turkey Town State Com No.1 is located approximately twenty-three (23) miles southeast of Artesia, New Mexico. The legal location for the site is Section 23, Township 18 South and Range 28 East in Eddy County, New Mexico. More Specifically, the latitude and longitude for the release are 32.728043 North and -104.149021 West.

According to the soil survey provided by the United States Department of Agriculture National Resources Conservation Services, the soil in this area is made up of Simona gravelly fine sandy loam with 0 to 3 percent slopes. The local surface and shallow geology, Quaternary Age sedimentary deposits, is comprised of alluvium and eolian sands underlain by gravelly fine sandy loam and hard caliches. The New Mexico State Engineer web site indicates the nearest ground water data to be in S35-T18S-R28E. The ground water in Section 35 is reported to be 65' below ground surface (bgs). The referenced groundwater data is presented in Appendix I.

The ranking for this site is 10 based on the as following:

Depth to ground water	50' – 100'
Wellhead Protection Area	>1000'
Distance to surface water body	>1000'

Incident Description

On January 17, 2013 a load line valve broke causing 94 barrels of oil and 12 barrels of produced water to be released on the location. The valve was repaired and no fluids were recovered.

ENVIRONMENTAL CONSULTING
ENGINEERING
DRILLING
CONSTRUCTION
SPILL MANAGEMENT
GENERAL CONTRACTING

Toll Free: 866.742.0742
www.talonlpe.com

Remedial Actions Taken

On April 30, 2013 Talon personnel mobilized to the site to begin excavation of the impacted area in accordance with the New Mexico Oil Conservation Division (NMOCD) approved work plan. The impacted soil within the area of sample location S-1 and S-3 of the release was excavated to a depth of 3-feet below land surface. The area in the vicinity of sample location S-2 was excavated to a depth of 0.5-feet. The impacted soil was transported to a NMOCD approved solid waste disposal facility, pursuant to the work plan. The excavated area was left open until approval to backfill was obtained from NMOCD.

On May 21, 2013 Talon personnel mobilized to the site to begin closure soil sampling activities on the bottom of the excavation per NMOCD requirements. A grab soil sample was collected and submitted for laboratory analysis.

All soil samples were collected by Talon personnel wearing clean nitrile gloves. The samples were placed in laboratory provided sample containers, iced and transported to Cardinal Laboratories in Hobbs, New Mexico. The sample was tested for TPH (Total Petroleum Hydrocarbons) using EPA Method 8015M. The complete laboratory report is attached as Appendix II.

Analytical Results

Analytical results received from Cardinal Laboratories are summarized below:

<u>Sample, Depth</u>	<u>TPH (mg/kg)</u>
S-4 3'	<10

For this site's ranking, New Mexico Oil Conservation District action level criterion for BTEX is 50 mg/kg, Benzene is 10 mg/kg and TPH is 1,000 mg/kg.

Summary and Conclusion

- Groundwater in the project vicinity is 65-feet below land surface per the New Mexico State Engineer Database.
- The impacted areas at S-1 and S-3 were excavated to a depth of 3-feet deep. The impacted area in the vicinity of S-2 was excavated to a depth of 0.5-feet deep based upon the initial site assessment completed for the work plan.
- The excavated soil was transported to a NMOCD approved solid waste disposal facility, CRI.

- After approval from NMOCD the excavation was backfilled to grade using new material transported from a local borrow pit.
- Based on the depth to groundwater, it is unlikely that the impacts identified from this release will pose a threat to groundwater after the remediation activities were completed.



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	David J. Adkins
Project Manager	District Manager

SITE MAP

Gas Well



S-3



S-1



S-4

S-2



PW

250 bbl
Oil

500 bbl
Oil

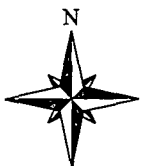
500 bbl
Oil

Bermed & Fenced (Barbed Wire)

4 Flowlines

HT

HT



0 20 40

Scale in Feet

Legend



- Sample Location



Date: 05/23/2013

Scale: 1" = 40'

Drawn By: TJS

Turkey Town State Com #1

Devon Energy Corporation

Eddy County, New Mexico

Figure 1 - Site Plan

APPENDIX I
GROUNDWATER DATA



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	Code	Subbasin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
L 01150 POD1	L			LE	1	1	35	18S	28E	579344	3619433*	1914	135	65		70
L 07641	L			LE	3	4	15	18S	28E	578529	3623041*	1919	130	80		50

Average Depth to Water: 72 feet

Minimum Depth: 65 feet

Maximum Depth: 80 feet

Record Count: 2

UTMNAD83 Radius Search (in meters):

Easting (X): 579430

Northing (Y): 3621346

Radius: 2000

*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 II
LABORATORY RESULTS



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

May 22, 2013

DAVID ADKINS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: TURKEY TOWN STATE COM. #1

Enclosed are the results of analyses for samples received by the laboratory on 05/22/13 8:00.

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,

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

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

Received: 05/22/2013
Reported: 05/22/2013
Project Name: TURKEY TOWN STATE COM. #1
Project Number: 700794.065.01
Project Location: N-23-18-28

Sampling Date: 05/21/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Daniel Wade

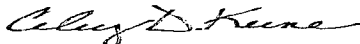
Sample ID: S-4 3' (H301222-01)

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/22/2013	ND	206	103	200	4.75	
DRO >C10-C28	<10.0	10.0	05/22/2013	ND	200	100	200	6.06	
Surrogate: 1-Chlorooctane	88.9 %	65.2-140							
Surrogate: 1-Chlorooctadecane	95.7 %	63.6-154							

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

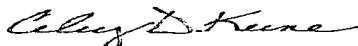
Notes and Definitions

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

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Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 4 of 4

[illegible]

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

3-24/8
#54

FINAL C-141

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, 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 March 17, 1999

Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company: Devon Energy	Contact: Roy White	
Address: P. O. Box 250 Artesia, NM 88211	Telephone No.: 575-513-1741	
Facility Name: Turkey Town State Com #1	Facility Type: Gas Well	
Surface Owner	Mineral Owner	Lease No. API #30-015-24228 2RP-1584

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County: Eddy
N	23	18S	28E	660'	South	1980'	West	

NATURE OF RELEASE

Type of Release: Produced Fluids	Volume of Release - 94 bbls oil / 12 bbls PW	Volume Recovered -0- bbls
Source of Release: Broken load line valve	Date and Hour of Occurrence 1/17/13, 5:00 pm	Date and Hour of Discovery 1/17/13, 5:00 pm
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Daniel Suniga, Production Foreman Rudy Zuniga, Devon	
By Whom? Lease Operator	Date and Hour 1/17/2012, 5:00 pm	
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.* A load line valve broke causing 94 barrels of oil and 12 barrels of produced water to be released on the location. The valve was repaired. No fluids were recovered.		
Describe Area Affected and Cleanup Action Taken.* Talon/LPE was contracted for the correction of this release. The impacted area from sample location S-1 and S-3 of this release was excavated to a depth of 3-feet deep. Impacted soil in the vicinity of sample location S-2 was excavated to a depth of 0.5-feet. The impacted soil was transported to CRI, an approved NMOCD disposal facility. Analytical testing was completed and following NMOCD approval of the confirmation sample, the excavation was backfilled to grade using new material. The area was contoured to match the surrounding location.		
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: <i>Roy White</i>		OIL CONSERVATION DIVISION
Printed Name: Roy White		
Title: Production Foreman	Approval Date:	Expiration Date:
Date: 7/2/2013 Phone: 575-513-1741	Conditions of Approval:	Attached <input type="checkbox"/>

* Attach Additional Sheets If Necessary