



July 25, 2014

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408 West Texas Ave.
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Mr. Tomas Oberding
NMOCD District I
1625 N. French Dr.
Hobbs, NM 88240

Subject: **Remediation and Closure Report**
Devon Energy
Thistle Unit #17H
API #: 30-025-39893

Dear Dr. Oberding:

Devon Energy had contracted Talon/LPE (Talon) to perform soil assessment and remediation services at the above referenced location. The completed remediation activities and closure request are submitted herein.

Incident Date

May 15, 2014

Background Information

The Thistle Unit No. 17H is located approximately fifty (50) miles southeast of Carlsbad in Lea County, New Mexico. The legal location for this site is Section 33, Township 23 South, and Range 33 East. More specifically the latitude and longitude for the release are 32.254365 North and -103.573475 West. A site plan is presented in [Appendix I](#).

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 Berino-Cacique association, hummocky. The local surface and shallow geology, Quaternary Age sedimentary deposits, is comprised of sandy eolian deposits derived from sedimentary rock over calcareous sandy alluvium derived from sedimentary rock. Drainage courses in this area are normally dry. According to the New Mexico State Engineer web site indicates the nearest ground water data to be in S28-T23S-R33E. The ground water in Section 3 is reported to be a depth of 400' below ground surface (bgs). See [Appendix II](#) for the referenced groundwater data.

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

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

Incident Description

The SWD line was hit by road bore crew causing a release of 50 barrels produced water. The line was isolated and repaired. Approximately 95 percent of the release remained in the bell holes and the rest flowed down caliche road. A vac truck was immediately called to the location and recovered 50 barrels.

Remedial Actions Taken

On July 10, 2014 approval of our work plan was granted from Hobbs NMOCD. On July 25, 2014 a composite 20 millimeter liner was installed under the pipeline at a depth of approximately 6-feet deep under the pipeline. The edges of the liner were keyed into a trench excavated 3-feet deep at the boundaries of the bell holes.

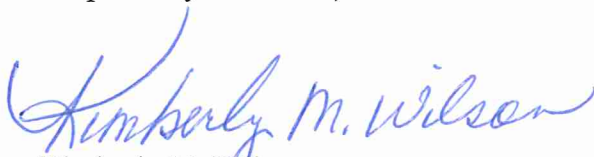
New soil was transported to the location from a local borrow pit and placed over the top of the 20 millimeter liner.

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.

Should you have any questions or if further information is required, please do not hesitate to contact our office at (575)-746-8768

Respectfully submitted,



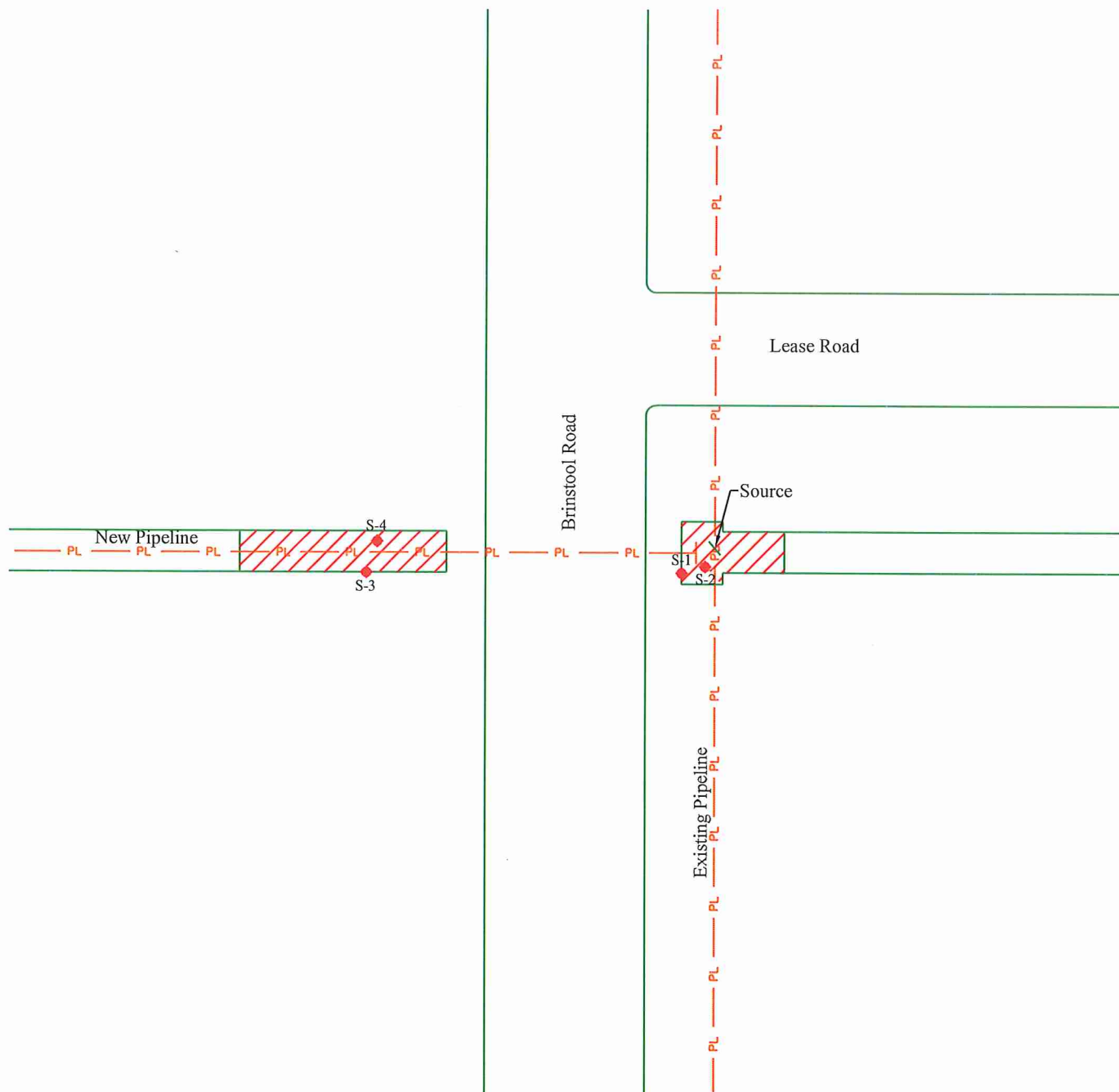
Kimberly M. Wilson
Project Manager



David J. Adkins
District Manager

APPENDIX I

SITE MAP



0 7.5 15
Scale in Feet

Legend	
	- Sample Location
	- Pipeline



Date: 06/03/2014

Scale: 1" = 15'

Drawn By: TJS

Thistle #17
Devon Energy Corporation
Lea County, New Mexico
Figure 1 - Site Plan

APPENDIX II
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 Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 02281			LE	3	4	4	28	23S	33E	634495	3571183*	1610	545	400	145
C 02279			LE	3	4	3	28	23S	33E	633691	3571173*	1800	650	400	250

Average Depth to Water: **400 feet**

Minimum Depth: **400 feet**

Maximum Depth: **400 feet**

Record Count: 2

UTMNAD83 Radius Search (in meters):

Easting (X): 634516

Northing (Y): 3569573

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.

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

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

Form C-141
Revised August 8, 2011

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	Contact MATT STOUDT
Address: PO BOX 250 ARTESIA, NM 88211	Telephone No. 575- 748-0188
Facility Name: THISTLE #17H	Facility Type SWD PIPELINE

Surface Owner: STATE	Mineral Owner	API No. 30-025-35228
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LOCATION OF RELEASE

Unit Letter	Section 33	Township 23S	Range 33E	Feet from the	North/South Line	Feet from the	East/West Line	County LEA
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Latitude: **32.2549969 N** Longitude: **-103.57056776 W**

NATURE OF RELEASE

Type of Release: PRODUCED WATER	Volume of Release 50bbls	Volume Recovered 50bbls
Source of Release: SWD LINE	Date and Hour of Occurrence 5/15/14 @ 11:20 AM	Date and Hour of Discovery 5/15/14 @ 11:20 AM
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? MATT STOUDT	
By Whom? WATSON CONSTRUCTION	Date and Hour 5/15/14 @ 11:30 AM	
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.*

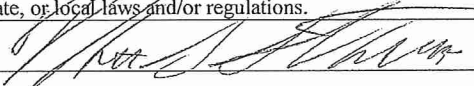
Describe Cause of Problem and Remedial Action Taken.*

The SWD line was hit by road bore crew causing a release of 50 barrels produced water. The line was isolated and repaired. Approximately 95 percent of the release remained in the bell holes and the rest flowed down caliche road. A vac truck was immediately called to the location and recovered 50 barrels. Talon/LPE was contacted for initial site assessment and soil sampling to generate a work plan.

Describe Area Affected and Cleanup Action Taken.*

On July 25, 2014 a composite 20 millimeter liner was installed under the pipeline at a depth of approximately 6-feet deep under the pipeline. The edges of the liner were keyed into a trench excavated 3-feet deep at the boundaries of the bell holes. New soil was transported to the location from a local borrow pit and placed over the top of the 20 millimeter liner. No further actions are 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: MATT STOUDT	Approved by Environmental Specialist:	
Title: ASSISTANT FOREMAN	Approval Date:	Expiration Date:
E-mail Address: Matthew.Stoudt@dmn.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: July 25, 2014 Phone: 575-513-5248		

* Attach Additional Sheets If Necessary