



August 27, 2014

Mr. Tomas Oberding
NMOCD District I
1625 N. French Dr.
Hobbs, NM 88240

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 575.748.8905

HOBBS
318 East Taylor Street
Hobbs, New Mexico 88241
Phone 505.393.4261
Fax 505.393.4658

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

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

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

ENVIRONMENTAL CONSULTING
ENGINEERING
DRILLING
CONSTRUCTION
SPILL MANAGEMENT
GENERAL CONTRACTING

Subject: **Remediation and Closure Report**
Devon Energy
Caswell 23 Federal No. 1H
API #: 30-025-40708
1RP-05-14-3046 & 1RP-05-14-3051

Dear Dr. Oberding:

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

Incident Date

May 12, 2014 & May 22, 2014

Background Information

The Caswell 23 Federal No. 1H is located approximately four (4) miles southeast of Maljamar in Lea County, New Mexico. The legal location for this site is Section 23, Township 17 South, and Range 32 East. More specifically the latitude and longitude for the release are 32.826386 North and -103.7293355 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 S18-T17S-R33E. The ground water in Section 3 is reported to be a depth of 130' 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 packing from the jet pump was blown out of the pump causing a release of 15 barrels produced water. The pump was shut off and repaired. A vac truck was immediately called to the location and recovered 10 barrels of produced water. The impacted area measured approximately 150-feet by 60-feet. Both releases were contained within the impacted area on the site map.

Remedial Actions Taken

The impacted area in the vicinity of sample locations S-1, S-2, S-3, S-5, test pit location TP-1 and TP-2 was excavated to a depth of 1-foot deep. The impacted area in the vicinity of S-4 and TP-3 was excavated to a depth of 0.5-feet deep. The impacted area in the vicinity of TP-4 was excavated to a depth of 2-feet deep in accordance with NMOCD and BLM approved work plan. All the contaminated soil was transported to Lea Land, LLC. The excavated areas were then backfilled with new caliche, machine compacted and contoured to match the surrounding location.

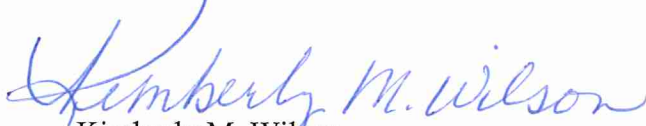
Closure

On behalf of Devon Energy, we respectfully request that no further actions be required and that closure with respect to these releases 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



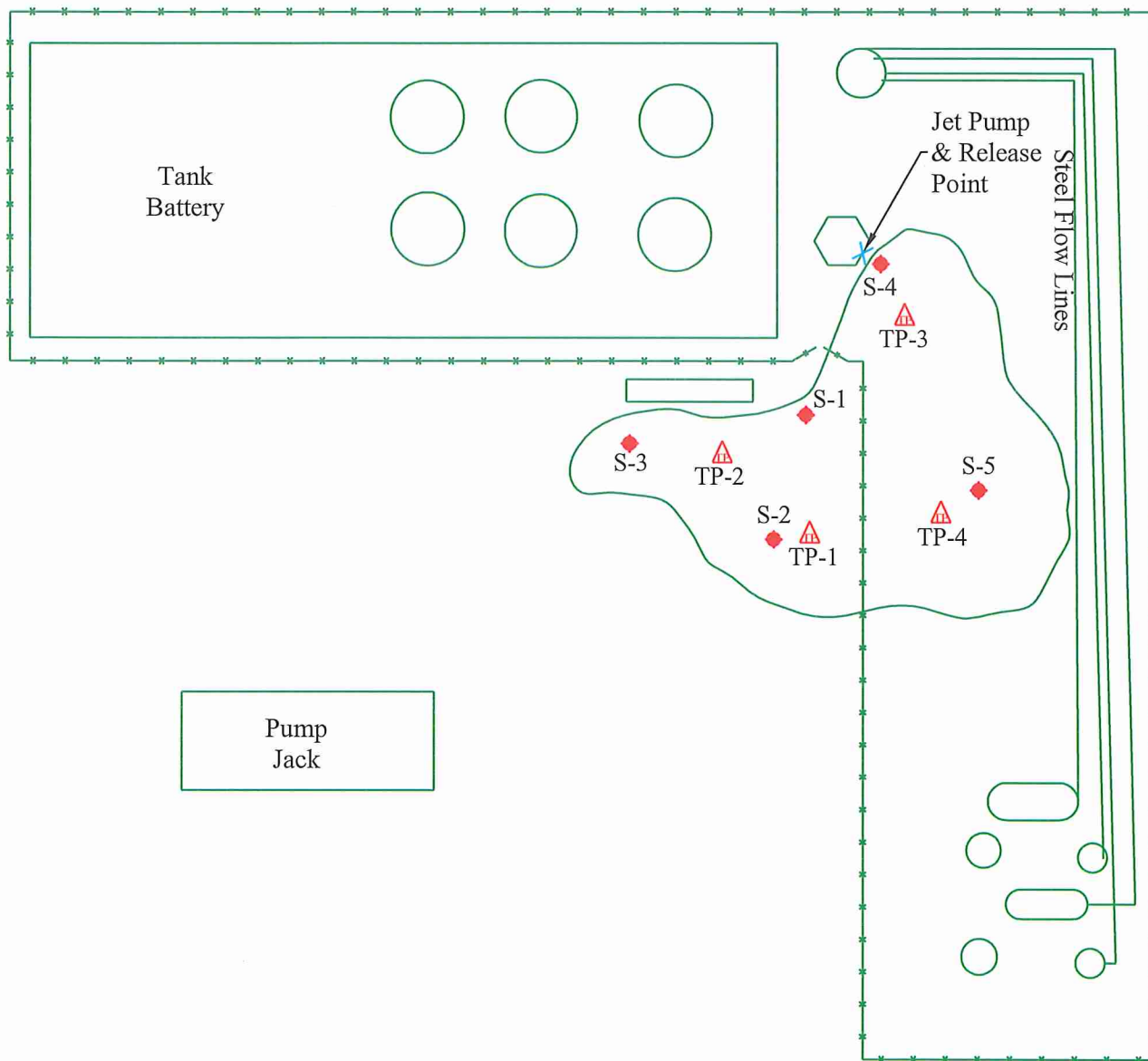
Kimberly M. Wilson
Project Manager



David J. Adkins
District Manager

APPENDIX I

SITE MAP



0 20 40
Scale in Feet

Legend	
◆	- Sample Location
—x—	- Fence Line
▲	- Test Pit Samples



Date: 06/10/2014

Scale: 1" = 40'

Drawn By: TJS

Caswell 23 Fed #1
Devon Energy Corporation
Lea County, New Mexico
Figure 1 - Site Plan

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 Kenny Kidd	
Address PO Box 250 Artesia, NM 88211	Telephone No. 575- 513-8545	
Facility Name Caswell 23 1H	Facility Type Oil	
Surface Owner	Mineral Owner	API No. 30-025-40708 1RP-05-14-3046

LOCATION OF RELEASE

Unit Letter A	Section 23	Township 17S	Range 32E	Feet from the 335	North/South Line North	Feet from the 260	East/West Line EAST	County LEA
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Latitude: **32.8263865°N** Longitude: **-103.7293355°W**

NATURE OF RELEASE

Type of Release Produced Water	Volume of Release 15bbls	Volume Recovered 10bbls
Source of Release Jet pump malfunction	Date and Hour of Occurrence 5/12/14 9:45 am	Date and Hour of Discovery 5/12/14 9:45 am
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Garry Michael Assistant Foreman/Kenny Kidd-Foreman/Scott Poe-EHS/Jerry Mathews-Superintendent/OCD-voicemail/BLM-Jeff L. Robertson	
By Whom? Jeff Ables	Date and Hour 5/12/14 9:45 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.* Packing blown from jet pump resulting in approx. 15bbls produced water spill. The BLM and the OCD was notified on May 13, 2014 at 7:31 am and 7:49 am respectively. The size of the spill area was about 150 feet by 60 feet. Approximately 10bbls were recovered from the ground.		
Describe Area Affected and Cleanup Action Taken.* The impacted area in the vicinity of S-1, S-2, S-3, S-5, test pit location TP-1 and TP-2 was excavated to a depth of 1-foot deep. The impacted area in the vicinity of S-4 and TP-3 was excavated to a depth of 0.5-feet deep. The impacted area in the vicinity of TP-4 was excavated to and depth of 2-feet deep in accordance with NMOCD and BLM approved work plan. All the contaminated soil was transported to Lea Land, LLC. The excavated areas were then backfilled with new caliche; machine compacted and contoured to match the surrounding location. No further action is 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: Sandra D. Farley	Approved by Environmental Specialist:	
Title: Field Admin Support	Approval Date:	Expiration Date:
E-mail Address: Sandra.Farley@devon.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: August 27, 2014	Phone: 575-746-5587	

* Attach Additional Sheets If Necessary

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Latitude: **32.8263865°N** Longitude: **-103.7293355°W**

NATURE OF RELEASE

Type of Release Produced Water	Volume of Release 15bbls	Volume Recovered 10bbls
Source of Release Jet pump malfunction	Date and Hour of Occurrence 5/22/14 10:00 am	Date and Hour of Discovery 5/22/14 10:00 am
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Garry Michael Assistant Foreman/Kenny Kidd-Foreman/Amancio Cruz-EHS/Jerry Mathews-Superintendent/OCD-Maxey Brown & Tomas Oberding/BLM-Jeff L. Robertson	
By Whom? Jeff Ables	Date and Hour 5/22/14 10:00 am	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

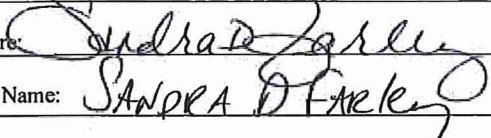
If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

One of the caps on one of the pistons on the jet pump backed off causing 15 barrels of produced water to spill on the ground. The BLM and the OCD was notified at 1:07 pm and 1:14 pm respectively. The size of the spill area was about 100 feet by 60 feet. Approximately 10bbls were recovered from the ground.

Describe Area Affected and Cleanup Action Taken.* The impacted area in the vicinity of S-1, S-2, S-3, S-5, test pit location TP-1 and TP-2 was excavated to a depth of 1-foot deep. The impacted area in the vicinity of S-4 and TP-3 was excavated to a depth of 0.5-feet deep. The impacted area in the vicinity of TP-4 was excavated to and depth of 2-feet deep in accordance with NMOCD and BLM approved work plan. All the contaminated soil was transported to Lea Land, LLC. The excavated areas were then backfilled with new caliche, machine compacted and contoured to match the surrounding location. No further action is required.

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Signature: 	OIL CONSERVATION DIVISION		
Printed Name: Sandra D Farley	Approved by Environmental Specialist:		
Title: Field Admin Support	Approval Date:	Expiration Date:	
E-mail Address: Sandra.Farley@dmr.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: August 27, 2014	Phone: 575-746-5587		

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