



January 8, 2015

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Hobbs, NM 88240

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ENVIRONMENTAL CONSULTING
ENGINEERING
DRILLING
CONSTRUCTION
SPILL MANAGEMENT
GENERAL CONTRACTING

Subject: **Remediation and Closure Report**
Devon Energy
Rio Blanco 4 Federal No. 3
API #: 30-025-36425 **1RP-3268**
AMENDED

Dear Dr. Oberding:

Devon Energy had 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

August 14, 2014

Background Information

The Rio Blanco 4 Federal No. 3 is located approximately thirty-one (31) miles northwest of Jal in Lea County, New Mexico. The legal location for this site is Section 4, Township 23 South, and Range 34 East. More specifically the latitude and longitude for the release are 32.330957 North and -103.471836 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 Pyote and Maljamar fine sands. 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 and piedmont deposits. Drainage courses in this area are normally dry. The New Mexico State Engineer web site indicates the nearest ground water data to be in S8-T23S-R34E. The ground water in Section 8 is reported to be at depth of 300' 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

On August 14, 2014 the 8-inch fiberglass line separated causing a release of 1560 barrels of produced water. The wells flowing into the SWD were shut in and the line was repaired. A vac truck was immediately called to the location and recovered 30 barrels of fluids. The area affected was off location in the pasture behind the facility. The area measured approximately 100-feet wide by 200-feet long. See attached site plan in [Appendix I](#).

Remedial Actions Taken

Pursuant to our work plan approved by the BLM and NMOCD, the impacted area in the pasture was excavated to a depth of 4-feet deep and a 20 mil liner was installed into the excavation. All the contaminated soil was transported to Lea Land, LLC an approved disposal facility.

The excavated area was backfilled with clean sand was obtained from the landowner and placed on top of the liner. The area was contoured to match the surrounding location and seeded with BLM #2 seed mix for sandy soil. The seeding labels are presented in [Appendix III](#).

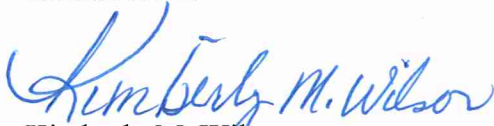
Closure

On behalf of Devon Energy, we respectfully request that no further actions be required and that closure with respect to these releases be granted. A Final C-141 is also attached in [Appendix IV](#).

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

BG

S-4
S-3
S-2
S-1

Impacted Area

Release
Source

Power Poles

Steel Fire Wall

EC

Electrical

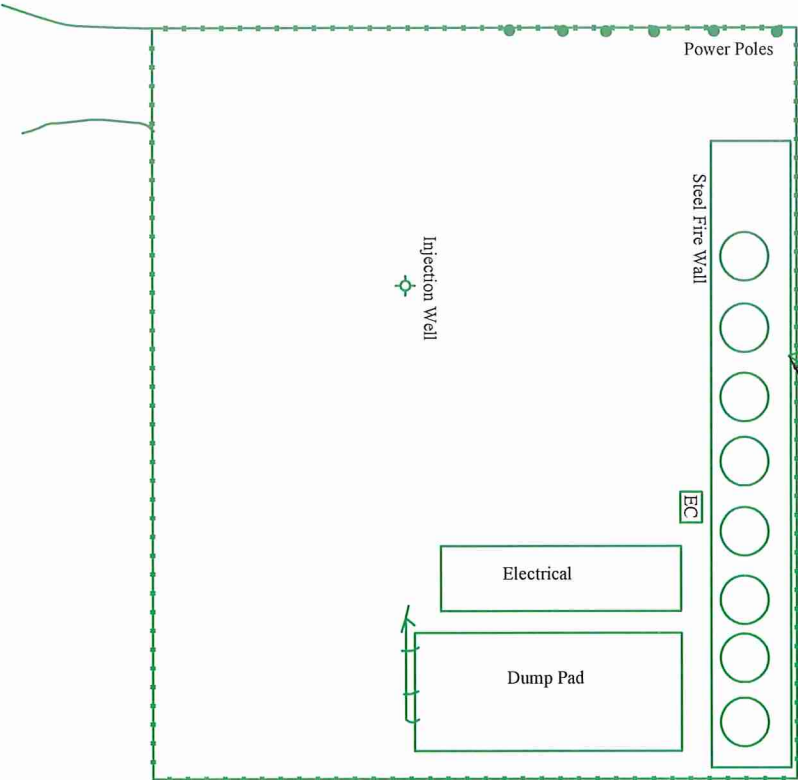
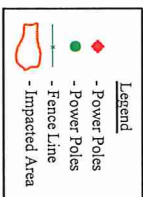
Dump Pad

Injection Well



NTS

Scale in Feet



Date: 10/28/2014

Scale: NTS

Drawn By: TJS

Rio Blanco SWD #4 Fed 3

Devon Energy Corporation
Lea County, New Mexico

Figure 1 - Site Plan

APPENDIX II
GROUNDWATER DATA
REGULATOR'S STIPULATIONS



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
E 07616 POD1			TO							646466	3576970	2616	500	300	200
CP 00872			LE	1	1	1	08	23S	34E	641225	3577504*	2847	500	305	195
CP 00556			LE	4	4	3	08	23S	34E	641762	3576206	2863	497	255	242

Average Depth to Water: 286 feet

Minimum Depth: 255 feet

Maximum Depth: 305 feet

Record Count: 3

UTMNAD83 Radius Search (in meters):

Easting (X): 644038

Northing (Y): 3577944

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.

Kimberly M. Wilson

From: Robertson, Jeffery [jlrobertson@blm.gov]
Sent: Tuesday, September 09, 2014 9:03 AM
To: Kimberly M. Wilson
Cc: shughes@blm.gov; Oberding, Tomas, EMNRD; kenny.kidd@dvn.com; matt.nettles@dvn.com; Biagi, Chris; David Adkins
Subject: Re: Rio Blanco 4 Fed #3 DOR 8/14/2014

This plan is approved as written with these conditions of approval **This plan still needs to be approved by OCD.** BLM approval of this proposal does not relieve the operator of liability should their operations have failed to adequately investigate and re mediate contamination that may pose a threat to groundwater, surface water, human health, or the environment, or if the location fails to reclaim properly. In such an event that location does not re vegetate, or future issues with contaminants are encountered, the operator will be asked to address the issues until contaminant issues are fully mitigated and the location is successfully reclaimed. In addition, BLM approval does not relieve the operator of responsibility for compliance with any other federal, state, or local laws/regulations.

Thanks

Jeffery L. Robertson

BLM-CFO

Natural Resource Specialist

Office: 575-234-2230

Cell: 575-361-3568

jlrobertson@blm.gov

On Wed, Sep 3, 2014 at 10:32 AM, Kimberly M. Wilson <kwilson@talonlpe.com> wrote:

Gentlemen,

Attached please find the work plan for the above referenced release.

Thank you.

Respectfully submitted,

Kimberly M. Wilson

Project Manager

Talon/LPE

408 West Texas Avenue

Kimberly M. Wilson

From: Oberding, Tomas, EMNRD [Tomas.Oberding@state.nm.us]
Sent: Wednesday, September 03, 2014 11:40 AM
To: Kimberly M. Wilson; Robertson, Jeffery; shughes@blm.gov
Cc: kenny.kidd@dmv.com; matt.nettles@dmv.com; Biagi, Chris; David Adkins
Subject: RE: Rio Blanco 4 Fed #3 DOR 8/14/2014

Aloha Ms. Wilson et al,

Thank you for sending this in.

Please consider this the official OCD notice of receipt.

Based on the discussions in the field and the sample results provided- OCD approves the work plan as written.

Please keep us informed as the situation warrants.

Mahalo

-Doc

Tomáš 'Doc' Oberding, PhD
Environmental Specialist – New Mexico Oil Conservation Division
Energy, Minerals and Natural Resources Department
1625 N. French Dr.
Hobbs, NM 88240
(O): (575) 393-6161 ext 111
(C): 575-370-3180
(F): (575) 393-0720
E-Mail: tomas.oberding@state.nm.us
Website: <http://www.emnrd.state.nm.us/ocd/>

From: Kimberly M. Wilson [mailto:kwilson@talonlpe.com]
Sent: Wednesday, September 03, 2014 10:32 AM
To: Robertson, Jeffery; shughes@blm.gov; Oberding, Tomas, EMNRD
Cc: kenny.kidd@dmv.com; matt.nettles@dmv.com; Biagi, Chris; David Adkins
Subject: Rio Blanco 4 Fed #3 DOR 8/14/2014

Gentlemen,

Attached please find the work plan for the above referenced release.

Thank you.

Respectfully submitted,

Kimberly M. Wilson
Project Manager
Talon/LPE
408 West Texas Avenue
Artesia, New Mexico 88210
Office: 575.746.8768
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Cell: 575.602.3826

APPENDIX III
SEEDING LABELS

12.16.19

Lot# M-12741

[illegible]

12.16.14

Lot#: M-12741

<u>Item</u>	<u>Origin</u>	<u>Purity</u>	<u>Germ</u>	<u>Dormant</u>	<u>Total Germination</u>	<u>Test Date</u>	<u>Total PLS Pounds</u>
Sand Dropseed VNS	Colorado	11.63%	22.00%	74.00%	96.00%	05/14	6.00
Coreopsis Plains	Colorado	12.14%	90.00%	3.00%	93.00%	11/14	6.00
Plains Bristlegrass VNS	Oklahoma	32.80%	6.00%	80.00%	86.00%	08/14	15.00
Switchgrass Blackwell	Oklahoma	17.63%	56.00%	40.00%	96.00%	06/14	9.00
Sideoats Grama Vaughn	Texas	18.60%	87.00%	4.00%	91.00%	05/14	9.00
Other Crop:	0.99%	There Are 2 Bags For This Mix			Total Bulk Pounds:		53
W-Seed Seed:	0.81%	This Bag Weighs 35.45 Bulk Pounds					
Inert Matter:	5.40%	Use This Bag For 1 Acres					

APPENDIX IV

FINAL C-141