



March 3, 2014

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318 East Taylor Street
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13111 Lookout Way
San Antonio, TX 78233
Phone 210.265.8025
Fax 210.568.2191

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

Subject: **Remediation and Closure Report**
Devon Energy Corp.
Black Jack 1 Federal No. 4H
API # 30-015-37065 2RP-1978

Dear Mr. Bratcher,

Devon Energy has contracted Talon/LPE (Talon) to perform soil assessment and remediation services at the above referenced Black Jack 1 Federal No. 4H release. The results of our soil assessment, completed remediation activities and closure request are submitted herein.

Incident Date

October 3, 2013

Background Information

The Black Jack 1 Federal No. 4H is located approximately thirty-seven (37) miles southeast of Carlsbad, New Mexico. The legal location for the site is Section 1, Township 24 South and Range 30 East in Eddy County, New Mexico. More Specifically the latitude and longitude for the release are 32.2407998 North and - 103.835714 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 Tonuco loamy fine sand with 0 to 3 percent slopes. Per the New Mexico Bureau of Geology and Mineral Resources, the local surface and shallow geology, Paleozoic Age sedimentary deposits, is comprised of the Salado formations which include loamy alluvium and eolian sands underlain by petrocalcic soils and hard caliche. The New Mexico State Engineer web site indicates the nearest ground water data to be in S34-T23S-R30E. The ground water in Section 34 is reported to be a depth of 440' below ground surface (bgs). The referenced groundwater data is presented in Appendix I.

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

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

ENVIRONMENTAL CONSULTING
ENGINEERING
DRILLING
CONSTRUCTION
SPILL MANAGEMENT
GENERAL CONTRACTING

Incident Description

On October 3, 2013 a flow line was found to be leaking. The leak occurred on a steep incline in the middle of the pasture, releasing 2 barrels of produced water and 8 barrels of oil. The line was shut in and a vacuum truck was immediately called to the location. The poly line was subsequently replaced. The vacuum truck recovered 0.5 barrels of produced water and 0.5 barrels of oil.

Remedial Actions Taken

On February 22, 2014 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 area of the release was excavated to a depth of 3-feet below land surface. The impacted soil was transported to Lea Land, LLC. The bottom and sidewalls of the excavation were tested for chlorides using the field titration method to guide the excavation process. The excavated area was backfilled back to grade using new material transported from a local borrow pit and was contoured to match the surrounding location. The area was seeded on February 21, 2014 using BLM seed mix #2. The seeding label is attached.

Closure

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

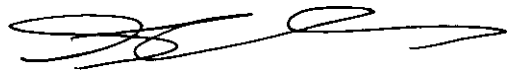
If we can provide additional information or be of further assistance please contact our office at 575.746.8768.

Respectfully submitted,

TALON/LPE

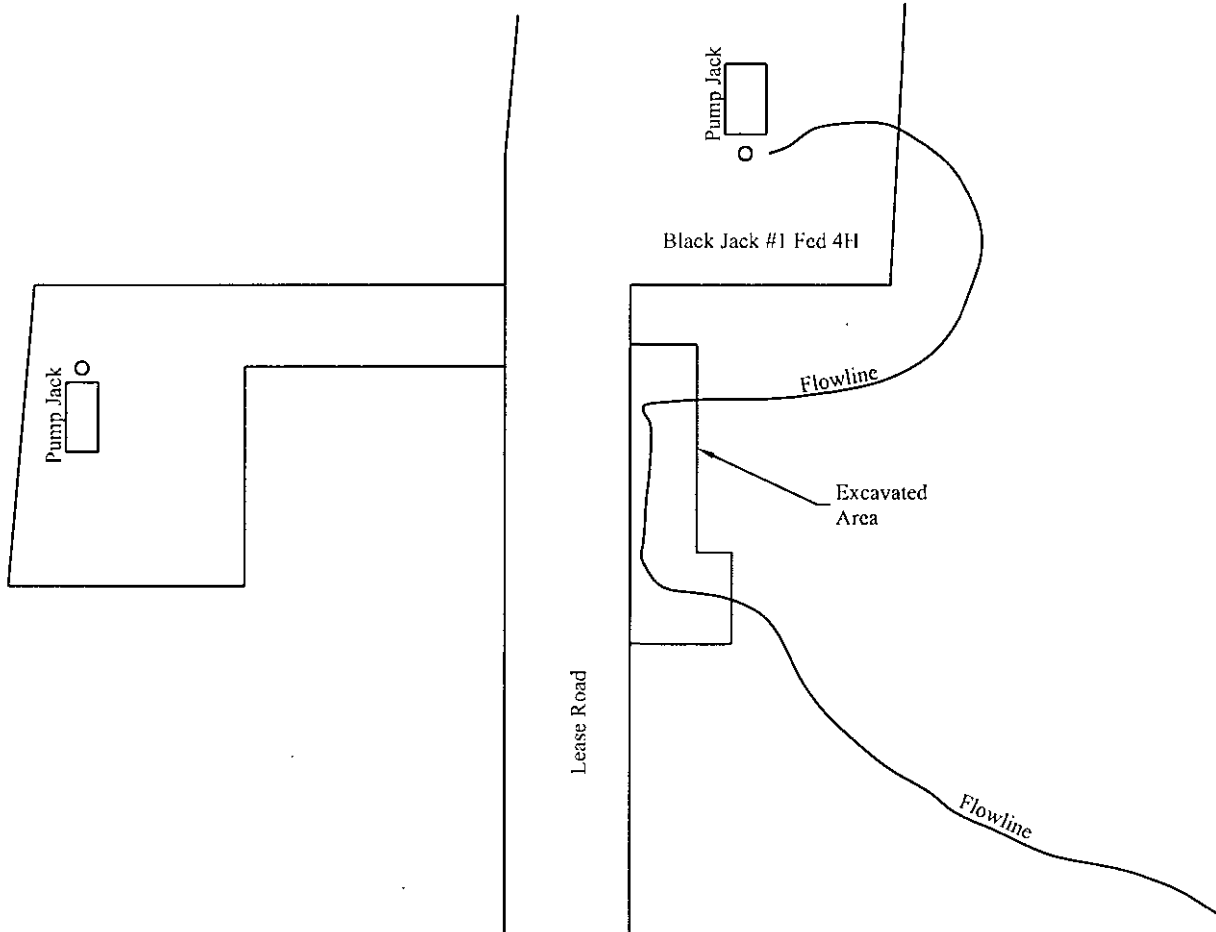


Kimberly M. Wilson
Project Manager



David J. Adkins
District Manager

SITE MAP



Legend	
◆	- Sample Location



Date: 03/11/2014

Scale: NTS

Drawn By: TJS

Black Jack #1 Fed 4H
 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 Sub-Code	basin	County	Q 64	Q 16	Q 4	'Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 02095			ED	2	3	34	23S	30E		606337	3569759*	3623	554	440	114
C 02780			ED	2	3	2	23	24S	30E	608535	3563857*	3907	505		

Average Depth to Water: 440 feet

Minimum Depth: 440 feet

Maximum Depth: 440 feet

Record Count: 2

UTMNAD83 Radius Search (in meters):

Easting (X): 609310

Northing (Y): 3567687

Radius: 4000

*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.

SEEDING LABEL

Curtis & Curtis, Inc
4500 North Prince
Clovis, NM 88130
Phone: (575) 762-4759

2121/4

Talon / LPE, LTD
1 Acre BLM # 21 Broadcast Rate
1 - 1 Acre Bag @ 30.47 Bulk Pounds Each
Job: Devon - Black Jack 1 Fed #4H
30-015-37065
N-1-24-30
700794076.01

Lot# M-11999

Item	Origin	Purity	Germ	Dormant	Germ & Dormant	Test Date	Total PLS Pounds
Sand Dropseed	Colorado	13.67%	22.00%	74.00%	96.00%	12/13	4.00
VNS							
Little Bluestem	Nebraska	20.51%	87.00%	9.00%	96.00%	11/13	6.00
Camper							
Coreopsis	Oregon	15.82%	83.00%	0.00%	83.00%	11/13	4.00
Plains							
Sideoats Grama	Texas	21.63%	13.00%	78.00%	91.00%	09/13	6.00
Vaughn							
Indian Ricegrass	Colorado	14.12%	3.00%	90.00%	93.00%	12/13	4.00
Paloma							
Other Crop:	0.00%	There Are 1 Bag For This Mix				Total Bulk Pounds:	
Weed Seed:	0.04%	This Bag Weighs 30.47 Bulk Pounds				30	
Inert Matter:	14.21%	Use This Bag For 1 Acres					

FINAL C-141