

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

Form C-141
Revised April 3, 2017

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

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 Elm Ridge Exploration CO LLC	Contact Amy Archuleta
Address PO BOX 156 Bloomfield, NM 87412	Telephone No. 505-632-3476 x 201
Facility Name Schmitz Fed 34-3	Facility Type Oil

Surface Owner BLM	Mineral Owner	API No. 30-039-24331
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LOCATION OF RELEASE

Unit Letter J	Section 34	Township 24N	Range 01W	Feet from the 1800	North/South Line South	Feet from the 1800	East/West Line East	County Rio Arriba
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Latitude 36.26507 Longitude -106.92694 NAD83

NATURE OF RELEASE

Type of Release Storm water / oil residual	Volume of Release Unknown	Volume Recovered 60 yds of contaminated soil.
Source of Release Pit	Date and Hour of Occurrence Unknown	Date and Hour of Discovery Unknown
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom? Cory Smith contacted Amy Archuleta via Email on 5-8-17 stating the pit had run into the berm.	
By Whom?	Date and Hour 5-8-17 at 1:30pm	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse	

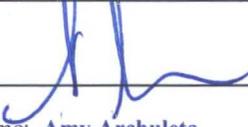
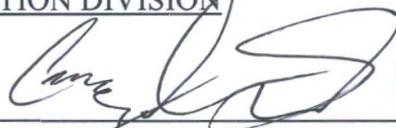
OIL CONS. DIV DIST. 3
DEC 29 2017

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*
The 95 bbl BGT pit on location filled with storm water and the tank, that had no liquid in it, was floating inside the berm and tipped over allowing the residue of oil to mix with the storm water. There was no produced water in the pit. It only contained oily residue from years past. The water in the berm was caused by drainage issues on location. We sent a water truck to location and pumped out the storm water to empty the berm on 5-12-17.

Describe Area Affected and Cleanup Action Taken.*
The storm water stayed on location within the walls of the berm for the BGT. It is our intent to close this BGT and test the soil when the work is complete. We also plan to fix the storm water issues that currently exist on location. This BGT has been closed as of 11-27-17. This location was tested on two separate occasions, please see attached.

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.

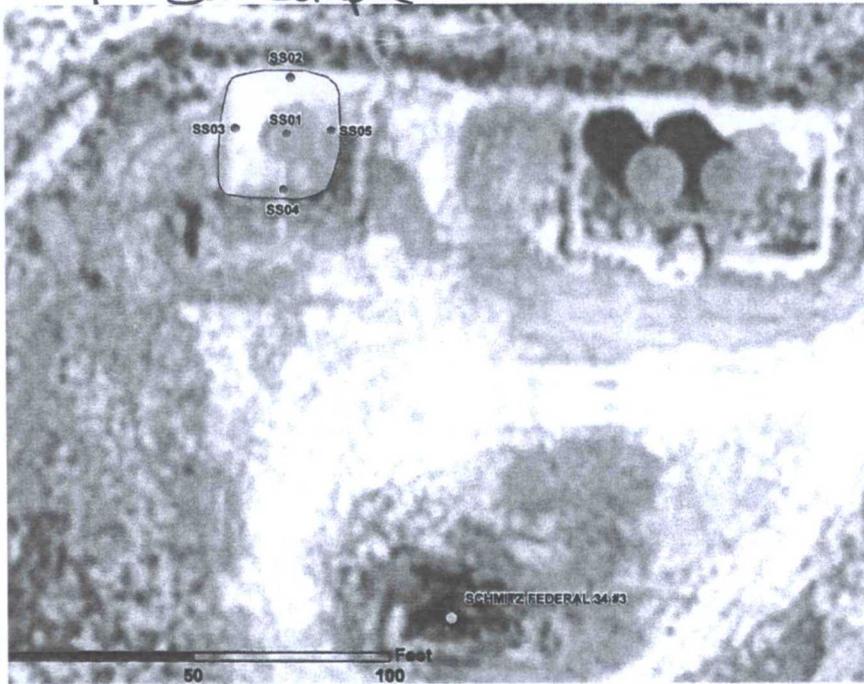
Signature: 	OIL CONSERVATION DIVISION	
Printed Name: Amy Archuleta	Approved by Environmental Specialist: 	
Title: Regulatory Supervisor	Approval Date: 2/5/17	Expiration Date:
E-mail Address: aarchuleta@elmridge.net	Conditions of Approval: —	Attached <input type="checkbox"/>
Date: 12-14-17	Phone: 505-632-3476 x201	

* Attach Additional Sheets If Necessary

#NCS 17 1565 1932

12

1st Soil Sample



S 36°15'54.3"N 106°55'37.1"W

2nd Soil Sample



SS 01 – 716 PPM

SS 02 – 2480 PPM

SS 03 – 11300 PPM

SS 04 - 763 PPM

SS 05 – 380 PPM

SS 01 – 54.2 PPM

SS 02 – 129.1 PPM

SS 03 – 123.7 PPM

SS 04 - <10.0 PPM

SS 05 - <10.0 PPM



75 Suttle Street
Durango, CO 81303
970.247.4220 Phone
970.247.4227 Fax
www.greenanalytical.com

20 September 2017

Amy Archuleta
DJR Operating
#20 CR 5060
Bloomfield, NM 87413
RE: TPH Ext.

The 1st test passed Chlorides +
BTEx = Only need to test for
TPH 8015B method.

Enclosed are the results of analyses for samples received by the laboratory on 09/08/17 13:25.
If you need any further assistance, please feel free to contact me.

Sincerely,

A handwritten signature in cursive script that reads 'Debbie Zufelt'.

Debbie Zufelt
Reports Manager

All accredited analytes contained in this report are denoted by an asterisk (*). For a complete list of accredited analytes please do not hesitate to contact us via any of the contact information contained in this report. All of our certifications can be viewed at <http://greenanalytical.com/certifications/>

Green Analytical Laboratories is NELAP accredited through the Texas Commission on Environmental Quality. Accreditation applies to drinking water and non-potable water matrices for trace metals and a variety of inorganic parameters. Green Analytical Laboratories is also accredited through the Colorado Department of Public Health and Environment and EPA region 8 for trace metals, Cyanide, Fluoride, Nitrate, and Nitrite in drinking water.

Our affiliate laboratory, Cardinal Laboratories, is also NELAP accredited through the Texas Commission on Environmental Quality for a variety of organic constituents in drinking water, non-potable water and solid matrices. Cardinal is also accredited for regulated VOCs, TTHM, and HAA-5 in drinking water through the Colorado Department of Public Health and Environment and EPA region 8.



dzufelt@greenanalytical.com p: 970.247.4220 f: 970.247.4227 75 Suttle Street Durango, CO 81303

www.GreenAnalytical.com

DJR Operating #20 CR 5060 Bloomfield NM, 87413	Project: TPH Ext. Project Name / Number: [none] Project Manager: Amy Archuleta	Reported: 09/20/17 16:34
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Schmitz 34-3 #1	1709067-01	Solid	09/07/17 12:20	09/08/17 13:25
Schmitz 34-3 #2	1709067-02	Solid	09/07/17 12:25	09/08/17 13:25
Schmitz 34-3 #3	1709067-03	Solid	09/07/17 12:35	09/08/17 13:25
Schmitz 34-3 #4	1709067-04	Solid	09/07/17 12:50	09/08/17 13:25
Schmitz 34-3 #5	1709067-05	Solid	09/07/17 12:45	09/08/17 13:25

Green Analytical Laboratories

Debbie Zufelt, Reports Manager

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Schmitz 34-3 #1

1709067-01 (Solid)

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
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Subcontracted – Cardinal Laboratories

Petroleum Hydrocarbons by GC FID

GRO C6-C10	<10.0	10.0	3.53	mg/kg	1	09/15/17	8015B		MS
DRO >C10-C28	42.5	10.0	2.04	mg/kg	1	09/15/17	8015B		MS
EXT DRO >C28-C36	11.7	10.0	2.04	mg/kg	1	09/15/17	8015B		MS
Surrogate: 1-Chlorooctane			78.7 %	28.3-164		09/15/17	8015B		MS
Surrogate: 1-Chlorooctadecane			83.0 %	34.7-157		09/15/17	8015B		MS

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Debbie Zufelt

Debbie Zufelt, Reports Manager

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DJR Operating #20 CR 5060 Bloomfield NM, 87413	Project: TPH Ext. Project Name / Number: [none] Project Manager: Amy Archuleta	Reported: 09/20/17 16:34
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Schmitz 34-3 #2

1709067-02 (Solid)

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
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Subcontracted -- Cardinal Laboratories

Petroleum Hydrocarbons by GC FID

GRO C6-C10	<10.0	10.0	3.53	mg/kg	1	09/15/17	8015B		MS
DRO >C10-C28	95.0	10.0	2.04	mg/kg	1	09/15/17	8015B		MS
EXT DRO >C28-C36	34.1	10.0	2.04	mg/kg	1	09/15/17	8015B		MS
Surrogate: 1-Chlorooctane			79.4 %	28.3-164		09/15/17	8015B		MS
Surrogate: 1-Chlorooctadecane			90.6 %	34.7-157		09/15/17	8015B		MS

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DJR Operating #20 CR 5060 Bloomfield NM, 87413	Project: TPH Ext. Project Name / Number: [none] Project Manager: Amy Archuleta	Reported: 09/20/17 16:34
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Schmitz 34-3 #3

1709067-03 (Solid)

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
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Subcontracted -- Cardinal Laboratories

Petroleum Hydrocarbons by GC FID

GRO C6-C10	<10.0	10.0	3.53	mg/kg	1	09/15/17	8015B		MS
DRO >C10-C28	98.6	10.0	2.04	mg/kg	1	09/15/17	8015B		MS
EXT DRO >C28-C36	25.1	10.0	2.04	mg/kg	1	09/15/17	8015B		MS
Surrogate: 1-Chlorooctane			89.6 %	28.3-164		09/15/17	8015B		MS
Surrogate: 1-Chlorooctadecane			87.1 %	34.7-157		09/15/17	8015B		MS

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DJR Operating #20 CR 5060 Bloomfield NM, 87413	Project: TPH Ext. Project Name / Number: [none] Project Manager: Amy Archuleta	Reported: 09/20/17 16:34
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Schmitz 34-3 #4

1709067-04 (Solid)

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
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Subcontracted -- Cardinal Laboratories

Petroleum Hydrocarbons by GC FID

GRO C6-C10	<10.0	10.0	3.53	mg/kg	1	09/15/17	8015B		MS
DRO >C10-C28	<10.0	10.0	2.04	mg/kg	1	09/15/17	8015B		MS
EXT DRO >C28-C36	<10.0	10.0	2.04	mg/kg	1	09/15/17	8015B		MS
Surrogate: 1-Chlorooctane			78.6 %	28.3-164		09/15/17	8015B		MS
Surrogate: 1-Chlorooctadecane			76.9 %	34.7-157		09/15/17	8015B		MS

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DJR Operating
#20 CR 5060
Bloomfield NM, 87413

Project: TPH Ext.
Project Name / Number: [none]
Project Manager: Amy Archuleta

Reported:
09/20/17 16:34

Schmitz 34-3 #5

1709067-05 (Solid)

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
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Subcontracted -- Cardinal Laboratories

Petroleum Hydrocarbons by GC FID

GRO C6-C10	<10.0	10.0	3.53	mg/kg	1	09/15/17	8015B		MS
DRO >C10-C28	<10.0	10.0	2.04	mg/kg	1	09/15/17	8015B		MS
EXT DRO >C28-C36	<10.0	10.0	2.04	mg/kg	1	09/15/17	8015B		MS
Surrogate: 1-Chlorooctane			91.9 %	28.3-164		09/15/17	8015B		MS
Surrogate: 1-Chlorooctadecane			88.6 %	34.7-157		09/15/17	8015B		MS

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DJR Operating
#20 CR 5060
Bloomfield NM, 87413

Project: TPH Ext.
Project Name / Number: [none]
Project Manager: Amy Archuleta

Reported:
09/20/17 16:34

Petroleum Hydrocarbons by GC FID - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 7091403 - General Prep - Organics

Blank (7091403-BLK1)

Prepared: 09/14/17 Analyzed: 09/15/17

Surrogate: 1-Chlorooctadecane	52.5		mg/kg	50.0		105	34.7-157			
Surrogate: 1-Chlorooctane	47.3		mg/kg	50.0		94.5	28.3-164			
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C35	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
GRO C6-C10	ND	10.0	mg/kg							
Total TPH C6-C28	ND	10.0	mg/kg							

LCS (7091403-BS1)

Prepared: 09/14/17 Analyzed: 09/15/17

Surrogate: 1-Chlorooctadecane	52.6		mg/kg	50.0		105	34.7-157			
Surrogate: 1-Chlorooctane	52.2		mg/kg	50.0		104	28.3-164			
DRO >C10-C28	188	10.0	mg/kg	200		93.9	81.4-124			
GRO C6-C10	196	10.0	mg/kg	200		97.9	76.6-119			
Total TPH C6-C28	384	10.0	mg/kg	400		95.9	79.4-121			

LCS Dup (7091403-BSD1)

Prepared: 09/14/17 Analyzed: 09/15/17

Surrogate: 1-Chlorooctadecane	60.4		mg/kg	50.0		121	34.7-157			
Surrogate: 1-Chlorooctane	55.9		mg/kg	50.0		112	28.3-164			
DRO >C10-C28	222	10.0	mg/kg	200		111	81.4-124	16.9	9.83	QR-04
GRO C6-C10	208	10.0	mg/kg	200		104	76.6-119	6.06	7.94	
Total TPH C6-C28	431	10.0	mg/kg	400		108	79.4-121	11.5	8.57	QR-04

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Debbie Zufelt, Reports Manager

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DJR Operating	Project: TPH Ext.	
#20 CR 5060	Project Name / Number: [none]	Reported:
Bloomfield NM, 87413	Project Manager: Amy Archuleta	09/20/17 16:34

Notes and Definitions

- QR-04 The RPD for the BS/BSD was outside of historical limits.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
*Results reported on as received basis unless designated as dry.
- RPD Relative Percent Difference
- LCS Laboratory Control Sample (Blank Spike)
- RL Report Limit
- MDL Method Detection Limit

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