

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

OIL CONS. DIV DIST. 3

Form C-141  
Revised April 3, 2017

OCT 06 2017  
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: <b>DJR Operating, LLC</b>	Contact: <b>Amy Archuleta</b>
Address: <b>PO BOX 156 Bloomfield, NM 87413</b>	Telephone No.: <b>505-632-3476 x201</b>
Facility Name: <b>Leeson #2</b>	Facility Type: <b>Oil well</b>
Surface Owner: <b>Private</b>	Mineral Owner: <b>Private</b>
API No.: <b>30-039-23880</b>	

**LOCATION OF RELEASE**

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
<b>E</b>	<b>27</b>	<b>25N</b>	<b>03W</b>	<b>1855'</b>	<b>North</b>	<b>515'</b>	<b>West</b>	<b>Rio Arriba</b>

Latitude 36.371089 Longitude -107.139608 NAD83

**NATURE OF RELEASE**

Type of Release: <b>Produced water</b>	Volume of Release: <b>Unknown</b>	Volume Recovered: <b>Unknown</b>
Source of Release <b>BGT / Possibly old drilling pit.</b>	Date and Hour of Occurrence	Date and Hour of Discovery
Was Immediate Notice Given? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour:	
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.\*

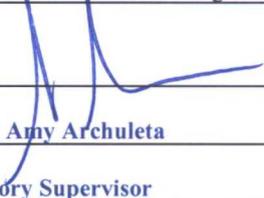
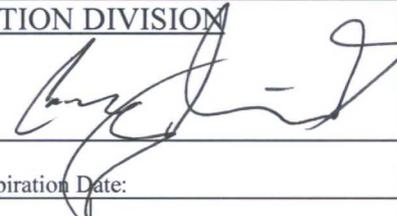
Describe Cause of Problem and Remedial Action Taken.\*

**While testing to close the BGT on this location it was found that a release had occurred at some point. DJR performed a site ranking and it was determined the test results are acceptable levels per the OCD closure criteria. No further remediation is necessary. The tests results have been attached.**

Describe Area Affected and Cleanup Action Taken.\*

**No further action is required. The soil samples are within the boundaries of the OCD's closure criteria.**

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: 	<b>OIL CONSERVATION DIVISION</b>	
Printed Name: <b>Amy Archuleta</b>	Approved by Environmental Specialist: 	
Title: <b>Regulatory Supervisor</b>	Approval Date: <b>2/26/18</b>	Expiration Date:
E-mail Address: <b>aarchuleta@djrlc.com</b>	Conditions of Approval:	Attached <input type="checkbox"/>
Date: <b>10-5-17</b>	Phone: <b>505-632-3476 x201</b>	

\* Attach Additional Sheets If Necessary

#NCS 180 5740117

10



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26 September 2017

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

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 black ink that reads "Debbie Zufelt". The signature is written in a cursive, flowing style.

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.



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DJR Operating  
#20 CR 5060  
Bloomfield NM, 87413

Project: TPH Ext.  
Project Name / Number: Leeson #1 / BGT Closure  
Project Manager: Amy Archuleta

Reported:  
09/26/17 12:54

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Leeson #1	1709068-01	Solid	09/07/17 11:00	09/08/17 13:25
Leeson #2	1709068-02	Solid	09/07/17 10:45	09/08/17 13:25

Green Analytical Laboratories

Debbie Zufelt, Reports Manager

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DJR Operating #20 CR 5060 Bloomfield NM, 87413	Project: TPH Ext. Project Name / Number: Leeson #1 / BGT Closure Project Manager: Amy Archuleta	Reported: 09/26/17 12:54
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**Leeson #1**

**1709068-01 (Solid)**

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
<b>Soluble (DI Water Extraction)</b>									
Chloride	89.8	10.0	1.43	mg/kg wet	10	09/22/17	EPA300.0		JDA

Subcontracted – Cardinal Laboratories

**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	0.002	mg/kg	50	09/18/17	8021B		MS
Toluene*	<0.050	0.050	0.002	mg/kg	50	09/18/17	8021B		MS
Ethylbenzene*	<0.050	0.050	0.004	mg/kg	50	09/18/17	8021B		MS
Total Xylenes*	<0.150	0.150	0.010	mg/kg	50	09/18/17	8021B		MS
Total BTEX	<0.300	0.300	0.018	mg/kg	50	09/18/17	8021B		MS
Surrogate: 4-Bromofluorobenzene (PID)			102 %	72-148		09/18/17	8021B		MS

**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	22.0	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			86.9 %	28.3-164		09/15/17	8015B		MS
Surrogate: 1-Chlorooctadecane			86.4 %	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: Leeson #1 / BGT Closure Project Manager: Amy Archuleta	Reported: 09/26/17 12:54
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**Leeson #2**

**1709068-02 (Solid)**

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
<b>Soluble (DI Water Extraction)</b>									
<b>Chloride</b>	<b>241</b>	10.0	1.43	mg/kg wet	10	09/22/17	EPA300.0		JDA

Subcontracted -- Cardinal Laboratories

**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	0.002	mg/kg	50	09/18/17	8021B		MS
Toluene*	<0.050	0.050	0.002	mg/kg	50	09/18/17	8021B		MS
Ethylbenzene*	<0.050	0.050	0.004	mg/kg	50	09/18/17	8021B		MS
Total Xylenes*	<0.150	0.150	0.010	mg/kg	50	09/18/17	8021B		MS
<b>Total BTEX</b>	<b>&lt;0.300</b>	0.300	0.018	mg/kg	50	09/18/17	8021B		MS

Surrogate: 4-Bromofluorobenzene (PID) 101 % 72-148 09/18/17 8021B MS

**Petroleum Hydrocarbons by GC FID *TPH***

GRO C6-C10	<10.0	10.0	3.53	mg/kg	1	09/15/17	8015B		MS
<b>DRO &gt;C10-C28</b>	<b>74.8</b>	10.0	2.04	mg/kg	1	09/15/17	8015B		MS
<b>EXT DRO &gt;C28-C36</b>	<b>50.2</b>	10.0	2.04	mg/kg	1	09/15/17	8015B		MS

Surrogate: 1-Chlorooctane 87.8 % 28.3-164 09/15/17 8015B MS

Surrogate: 1-Chlorooctadecane 91.7 % 34.7-157 09/15/17 8015B MS

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Debbie Zufelt, Reports Manager

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DJR Operating #20 CR 5060 Bloomfield NM, 87413	Project: TPH Ext. Project Name / Number: Leeson #1 / BGT Closure Project Manager: Amy Archuleta	Reported: 09/26/17 12:54
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**Soluble (DI Water Extraction) - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B709128 - General Prep - Wet Chem</b>										
<b>Blank (B709128-BLK1)</b> Prepared: 09/18/17 Analyzed: 09/22/17										
Chloride	ND	10.0	mg/kg wet							
<b>LCS (B709128-BS1)</b> Prepared: 09/18/17 Analyzed: 09/22/17										
Chloride	242	10.0	mg/kg wet	250		96.8	85-115			
<b>LCS Dup (B709128-BSD1)</b> Prepared: 09/18/17 Analyzed: 09/22/17										
Chloride	240	10.0	mg/kg wet	250		95.9	85-115	0.980	20	

**Volatile Organic Compounds by EPA Method 8021 - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 7091507 - Volatiles</b>										
<b>Blank (7091507-BLK1)</b> Prepared: 09/15/17 Analyzed: 09/18/17										
Surrogate: 4-Bromofluorobenzene (PID)	0.0506		mg/kg	0.0500		101	72-148			
Benzene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
<b>LCS (7091507-BS1)</b> Prepared: 09/15/17 Analyzed: 09/18/17										
Surrogate: 4-Bromofluorobenzene (PID)	0.0504		mg/kg	0.0500		101	72-148			
Benzene	1.93	0.050	mg/kg	2.00		96.3	79.5-124			
Ethylbenzene	1.84	0.050	mg/kg	2.00		92.1	77.7-125			
Toluene	1.77	0.050	mg/kg	2.00		88.4	75.5-127			
Total Xylenes	5.54	0.150	mg/kg	6.00		92.3	70.9-124			
<b>LCS Dup (7091507-BSD1)</b> Prepared: 09/15/17 Analyzed: 09/18/17										
Surrogate: 4-Bromofluorobenzene (PID)	0.0495		mg/kg	0.0500		99.0	72-148			
Benzene	1.91	0.050	mg/kg	2.00		95.4	79.5-124	0.932	6.5	
Ethylbenzene	1.81	0.050	mg/kg	2.00		90.7	77.7-125	1.53	7.83	
Toluene	1.74	0.050	mg/kg	2.00		86.9	75.5-127	1.78	7.02	
Total Xylenes	5.45	0.150	mg/kg	6.00		90.8	70.9-124	1.66	7.78	
<b>Matrix Spike (7091507-MS1)</b> Source: H702435-03 Prepared: 09/15/17 Analyzed: 09/18/17										
Surrogate: 4-Bromofluorobenzene (PID)	0.0504		mg/kg	0.0500		101	72-148			
Benzene	2.12	0.050	mg/kg	2.00	ND	106	70.9-127			

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DJR Operating #20 CR 5060 Bloomfield NM, 87413	Project: TPH Ext. Project Name / Number: Leeson #1 / BGT Closure Project Manager: Amy Archuleta	Reported: 09/26/17 12:54
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**Volatile Organic Compounds by EPA Method 8021 - Quality Control  
(Continued)**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 7091507 - Volatiles (Continued)**

**Matrix Spike (7091507-MS1) (Continued)**

Source: H702435-03 Prepared: 09/15/17 Analyzed: 09/18/17

Ethylbenzene	2.03	0.050	mg/kg	2.00	ND	101	38.8-164			
Toluene	1.96	0.050	mg/kg	2.00	ND	97.8	46-161			
Total Xylenes	6.08	0.150	mg/kg	6.00	0.013	101	41.9-151			

**Matrix Spike Dup (7091507-MSD1)**

Source: H702435-03 Prepared: 09/15/17 Analyzed: 09/18/17

<i>Surrogate: 1-Bromofluorobenzene (PID)</i>	<i>0.0508</i>		mg/kg	<i>0.0500</i>		<i>102</i>	<i>72-148</i>			
Benzene	2.10	0.050	mg/kg	2.00	ND	105	70.9-127	0.677	3.45	
Ethylbenzene	2.01	0.050	mg/kg	2.00	ND	101	38.8-164	0.968	4.92	
Toluene	1.95	0.050	mg/kg	2.00	ND	97.7	46-161	0.116	5.27	
Total Xylenes	6.04	0.150	mg/kg	6.00	0.013	100	41.9-151	0.792	6.95	

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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: Leeson #1 / BGT Closure Project Manager: Amy Archuleta	Reported: 09/26/17 12:54
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**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

Matrix Spike (7091403-MS1)		Source: H702440-03 Prepared: 09/14/17 Analyzed: 09/15/17								
Surrogate: 1-Chlorooctadecane	53.1		mg/kg	50.0		106	34.7-157			
Surrogate: 1-Chlorooctane	51.3		mg/kg	50.0		103	28.3-164			
DRO >C10-C28	176	10.0	mg/kg	200	3.39	86.2	18.2-177			
GRO C6-C10	181	10.0	mg/kg	200	ND	90.3	39.3-131			QM-07
Total TPH C6-C28	356	10.0	mg/kg	400	3.39	88.3	30-150			QM-07

Matrix Spike Dup (7091403-MSD1)		Source: H702440-03 Prepared: 09/14/17 Analyzed: 09/15/17								
Surrogate: 1-Chlorooctadecane	55.5		mg/kg	50.0		111	34.7-157			
Surrogate: 1-Chlorooctane	53.0		mg/kg	50.0		106	28.3-164			
DRO >C10-C28	181	10.0	mg/kg	200	3.39	89.0	18.2-177	3.18	22.5	
GRO C6-C10	185	10.0	mg/kg	200	ND	92.5	39.3-131	2.48	18.5	QM-07
Total TPH C6-C28	367	10.0	mg/kg	400	3.39	90.8	30-150	2.82	117	QM-07

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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: Leeson #1 / BGT Closure  
Project Manager: Amy Archuleta

Reported:  
09/26/17 12:54

Notes and Definitions

- QR-04 The RPD for the BS/BSD was outside of historical limits.
- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- 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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Debbie Zufelt, Reports Manager

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