

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

NMOCD

APR 16 2018

Form C-141
Revised April 3, 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 LOGOS Operating LLC	Contact Larissa Farrell
Address: 2010 Afton Place Farmington, NM 87401	Telephone No. (505)787-2027
Facility Name: Federal 1R	Facility Type: Well

Surface Owner Federal	Mineral Owner: Federal	API No. 30-045-24720
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LOCATION OF RELEASE

Unit Letter O	Section 21	Township 24N	Range 09W	Feet from the 1030	North/South Line South	Feet from the 1810	East/West Line East	County San Juan
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Latitude 36.3824997 Longitude -107.7919693 NAD83

NATURE OF RELEASE

Type of Release Oil	Volume of Release 1.5 BBL	Volume Recovered None
Source of Release Back pressure valve from Separator	Date and Hour of Occurrence Unknown	Date and Hour of Discovery 12/12/2017 15:00hr
Was Immediate Notice Given? <input type="checkbox"/> Yes <input 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.*

Back pressure valve broke on separator and caused oil to leak around pit in contained berm area with liner. Valve was repaired and line was repositioned.

Describe Area Affected and Cleanup Action Taken.*

Release was contained within the secondary containment with liner. Roustabout crew cleaned up and hauled off contaminated gravel. Used Simple Green, Oil Gator and soaker pads. Cleaned up equipment. Continued to monitor and soak up additional oil as needed.

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: <i>Larissa Farrell</i>	OIL CONSERVATION DIVISION	
Printed Name: Larissa Farrell	Approved by Environmental Specialist: <i>[Signature]</i>	
Title: Environmental/Regulatory Technician	Approval Date: <u>4/23/2018</u>	Expiration Date:
E-mail Address: lfarrell@logosresourcesllc.com	Conditions of Approval:	Attached <input checked="" type="checkbox"/>
Date: 4/13/2018	Phone: (505) 787-2027	

NC8181024457

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Fields, Vanessa, EMNRD

From: Fields, Vanessa, EMNRD
Sent: Monday, April 23, 2018 3:03 PM
To: 'Larissa Farrell'; aadeloye@blm.gov
Cc: Smith, Cory, EMNRD; Vermersch, Thomas, EMNRD; Bryan Lovato; 'Tamra Sessions'; Thomas, Leigh
Subject: RE: Federal 1R C-141

Good afternoon Larissa,

The C-141 for the Federal 1R has been approved with the following conditions of approval:

- Confirmation samples will need to be collected from the impacted area of release.
- Please remove liner prior to sampling. Liner of area demonstrated integrity issues (10 holes were noted in the liner during inspection)
- Sample area for TPH including MRO and BTEX methods 8015 and 8021.
- Provide OCD 24 hour notification prior to sampling .
 - Horizontal delineation of soil impacts in each of the four cardinal compass directions. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C₆ thru C₃₆), and for chloride by Method 300. This is not an exclusive list of potential contaminants. Analyzed parameters should be modified based on the nature of the released substance(s). Soil sampling must be both within the impacted area and beyond.
 - Vertical delineation of soil impacts. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C₆ thru C₃₆), and for chloride by Method 300. As above, this is not an exclusive list of potential contaminants and can be modified. Vertical characterization samples should be taken at depth intervals no greater than five feet apart. Lithologic description of encountered soils must also be provided. At least ten vertical feet of soils with contaminant concentrations at or below these values must be demonstrated as existing above the water table.
- Nominal detection limits for field and laboratory analyses must be provided.
- Composite sampling is not generally allowed.
- Field screening and assessment techniques are acceptable (headspace, titration, EC [include algorithm for validation purposes], EM, etc.), but the sampling and assay procedures must be clearly defined. Copies of field notes are highly desirable. A statistically significant set of split samples must be submitted for confirmatory laboratory analysis, including the laterally farthest and vertically deepest sets of soil samples. Make sure there are at least two soil samples submitted for laboratory analysis from each borehole or test pit (highest observed contamination and deepest depth investigated). Copies of the actual laboratory results must be provided including chain of custody documentation.
- Probable depth to shallowest protectable groundwater and lateral distance to nearest surface water. If there is an estimate of groundwater depth, the information used to arrive at that estimate must be provided. If there is

a reasonable assumption that the depth to protectable water is 50 feet or less, the responsible party should anticipate the need for at least one groundwater monitoring well to be installed in the area of likely maximum contamination.

- If groundwater contamination is encountered, an additional investigation workplan may be required to determine the extents of that contamination. Groundwater and/or surface water samples, if any, must be analyzed by a competent laboratory for volatile organic hydrocarbons (typically Method 8260 full list), total dissolved solids, pH, major anions and cations including chloride and sulfate, dissolved iron, and dissolved manganese. The investigation workplan must provide the groundwater sampling method(s) and sample handling protocols. To the fullest extent possible, aqueous analyses must be undertaken using nominal method detection limits. As with the soil analyses, copies of the actual laboratory results must be provided including chain of custody documentation.

- Accurately scaled and well-drafted site maps must be provided providing the location of borings, test pits, monitoring wells, potentially impacted areas, and significant surface features including roads and site infrastructure that might limit either the release characterization or remedial efforts. Field sketches may be included in subsequent reporting, but should not be considered stand-alone documentation of the site's layout. Digital photographic documentation of the location and fieldwork is recommended, especially if unusual circumstances are encountered.

These will conditions of approval will be attached to the initial C-141 that was submitted to the OCD on April 16, 2018.

These conditions of approval due not relieve the operator of requirements set forth by the Surface owner.

Thank you,

Vanessa Fields
Environmental Specialist
Oil Conservation Division
Energy, Minerals, & Natural Resources
1000 Rio Brazos, Aztec, NM 87410
(505)334-6178 ext 119
Cell: (505) 419-0463
vanessa.fields@state.nm.us

From: Larissa Farrell <lfarrell@logosresourcesllc.com>
Sent: Friday, April 13, 2018 1:35 PM
To: Fields, Vanessa, EMNRD <Vanessa.Fields@state.nm.us>; aadeloye@blm.gov
Cc: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>; Vermersch, Thomas, EMNRD <Thomas.Vermersch@state.nm.us>; Bryan Lovato <blovato@logosresourcesllc.com>
Subject: Federal 1R C-141

Vanessa,

Attached is the C-141 that you requested regarding the Federal 1R release. I will also be taking the original copy to your office. Please let me know if you have any further questions.

Thank you!

Larissa Farrell
Environmental/Regulatory Technician
Office: (505) 787-2027
Cell: (505) 419-1100
lfarrell@logosresourcesllc.com

