



AE Order Number Banner

Report Description

This report shows an AE Order Number in Barcode format for purposes of scanning. The Barcode format is Code 39.



App Number: pCS1705256801

144B - 15845

BEELINE GAS SYSTEMS

2/22/2018

25

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

Form C-144
Revised April 3, 2017

For temporary pits, below-grade tanks, and multi-well fluid management pits, submit to the appropriate NMOCD District Office.
For permanent pits submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.

Pit, Below-Grade Tank, or
Proposed Alternative Method Permit or Closure Plan Application

- Type of action:
- ☐ Below grade tank registration
 - ☐ Permit of a pit or proposed alternative method
 - ☒ Closure of a pit, below-grade tank, or proposed alternative method
 - ☐ Modification to an existing permit/or registration
 - ☐ Closure plan only submitted for an existing permitted or non-permitted pit, below-grade tank, or proposed alternative method

Instructions: Please submit one application (Form C-144) per individual pit, below-grade tank or alternative request

Please be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances.

1.
Operator: Elm Ridge Exploration Co. LLC dba Beeline Gas Systems OGRID #: 194503
Address: #20 CR 5060, Bloomfield, NM 87413
Facility or well name: Buena Suerte Compressor Station- Southwest below grade tank
API Number: _____ OCD Permit Number: 15844
U/L or Qtr/Qtr J Section 32 Township 26N Range 11W County: San Juan
Center of Proposed Design: Latitude 36.433466 Longitude 108.016794 NAD: 1983
Surface Owner: ☐ Federal ☒ State ☐ Private ☐ Tribal Trust or Indian Allotment

OIL CONS. DIV DIST. 3
DEC 29 2017

2.
☐ **Pit:** Subsection F, G or J of 19.15.17.11 NMAC
Temporary: ☐ Drilling ☐ Workover
☐ Permanent ☐ Emergency ☐ Cavitation ☐ P&A ☐ Multi-Well Fluid Management Low Chloride Drilling Fluid ☐ yes ☐ no
☐ Lined ☐ Unlined Liner type: Thickness _____ mil ☐ LLDPE ☐ HDPE ☐ PVC ☐ Other _____
☐ String-Reinforced
Liner Seams: ☐ Welded ☐ Factory ☐ Other _____ Volume: _____ bbl Dimensions: L _____ x W _____ x D _____

3.
☒ **Below-grade tank:** Subsection I of 19.15.17.11 NMAC
Volume: 85 bbl Type of fluid: compressed liquids (H2O & HC), skid drain liquid
Tank Construction material: Welded Steel
☐ Secondary containment with leak detection ☐ Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off
☐ Visible sidewalls and liner ☐ Visible sidewalls only ☐ Other _____
Liner type: Thickness _____ mil ☐ HDPE ☐ PVC ☐ Other _____

4.
☐ **Alternative Method:**
Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

5.

Fencing: Subsection D of 19.15.17.11 NMAC (*Applies to permanent pits, temporary pits, and below-grade tanks*)

- ☐ Chain link, six feet in height, two strands of barbed wire at top (*Required if located within 1000 feet of a permanent residence, school, hospital, institution or church*)
- ☐ Four foot height, four strands of barbed wire evenly spaced between one and four feet
- ☒ Alternate. Please specify: Facility is surrounded by a 6' pro panel fence

6.

Netting: Subsection E of 19.15.17.11 NMAC (*Applies to permanent pits and permanent open top tanks*)

- ☐ Screen ☐ Netting ☐ Other _____
- ☐ Monthly inspections (If netting or screening is not physically feasible)

7.

Signs: Subsection C of 19.15.17.11 NMAC

- ☒ 12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers
- ☐ Signed in compliance with 19.15.16.8 NMAC

8.

Variances and Exceptions:

Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance.

Please check a box if one or more of the following is requested, if not leave blank:

- ☐ Variance(s): Requests must be submitted to the appropriate division district for consideration of approval.
- ☐ Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

9.

Siting Criteria (regarding permitting): 19.15.17.10 NMAC

Instructions: *The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of acceptable source material are provided below. Siting criteria does not apply to drying pads or above-grade tanks.*

General siting

Ground water is less than 25 feet below the bottom of a low chloride temporary pit or below-grade tank.

- ☒ NM Office of the State Engineer - iWATERS database search; ☐ USGS; ☐ Data obtained from nearby wells

☐ Yes ☒ No
☐ NA

Ground water is less than 50 feet below the bottom of a Temporary pit, permanent pit, or Multi-Well Fluid Management pit.

NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells

☐ Yes ☐ No
☒ NA

Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended. **(Does not apply to below grade tanks)**

- Written confirmation or verification from the municipality; Written approval obtained from the municipality

☐ Yes ☐ No

Within the area overlying a subsurface mine. **(Does not apply to below grade tanks)**

- Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division

☐ Yes ☐ No

Within an unstable area. **(Does not apply to below grade tanks)**

- Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map

☐ Yes ☐ No

Within a 100-year floodplain. **(Does not apply to below grade tanks)**

- FEMA map

☐ Yes ☐ No

Below Grade Tanks

Within 100 feet of a continuously flowing watercourse, significant watercourse, lake bed, sinkhole, wetland or playa lake (measured from the ordinary high-water mark).

- Topographic map; Visual inspection (certification) of the proposed site

☐ Yes ☒ No

Within 200 horizontal feet of a spring or a fresh water well used for public or livestock consumption;

- NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site

☐ Yes ☒ No

Temporary Pit using Low Chloride Drilling Fluid (maximum chloride content 15,000 mg/liter)

Within 100 feet of a continuously flowing watercourse, or any other significant watercourse or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). (Applies to low chloride temporary pits.)

- Topographic map; Visual inspection (certification) of the proposed site

☐ Yes ☐ No

<p>Within 300 feet from a occupied permanent residence, school, hospital, institution, or church in existence at the time of initial application.</p> <p>- Visual inspection (certification) of the proposed site; Aerial photo; Satellite image</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No
<p>Within 200 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 300feet of any other fresh water well or spring, in existence at the time of the initial application.</p> <p>NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No
<p>Within 100 feet of a wetland.</p> <p>- US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No
<p><u>Temporary Pit Non-low chloride drilling fluid</u></p>	
<p>Within 300 feet of a continuously flowing watercourse, or any other significant watercourse, or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark).</p> <p>- Topographic map; Visual inspection (certification) of the proposed site</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No
<p>Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.</p> <p>- Visual inspection (certification) of the proposed site; Aerial photo; Satellite image</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No
<p>Within 500 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 1000 feet of any other fresh water well or spring, in the existence at the time of the initial application;</p> <p>- NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No
<p>Within 300 feet of a wetland.</p> <p>- US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No
<p><u>Permanent Pit or Multi-Well Fluid Management Pit</u></p>	
<p>Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark).</p> <p>- Topographic map; Visual inspection (certification) of the proposed site</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No
<p>Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.</p> <p>- Visual inspection (certification) of the proposed site; Aerial photo; Satellite image</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No
<p>Within 500 horizontal feet of a spring or a fresh water well used for domestic or stock watering purposes, in existence at the time of initial application.</p> <p>- NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No
<p>Within 500 feet of a wetland.</p> <p>- US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No

10.

Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC

Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

☒ Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC
☐ Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19.15.17.9 NMAC
☒ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
☐ Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
☒ Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC

☐ Previously Approved Design (attach copy of design) API Number: _____ or Permit Number: _____

11.

Multi-Well Fluid Management Pit Checklist: Subsection B of 19.15.17.9 NMAC

Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

☐ Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
☐ A List of wells with approved application for permit to drill associated with the pit.
☐ Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC
☐ Hydrogeologic Data - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC
☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC

☐ Previously Approved Design (attach copy of design) API Number: _____ or Permit Number: _____

12. **Permanent Pits Permit Application Checklist:** Subsection B of 19.15.17.9 NMAC

Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

- ☐ Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.9 NMAC
- ☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
- ☐ Climatological Factors Assessment
- ☐ Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Quality Control/Quality Assurance Construction and Installation Plan
- ☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
- ☐ Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Nuisance or Hazardous Odors, including H₂S, Prevention Plan
- ☐ Emergency Response Plan
- ☐ Oil Field Waste Stream Characterization
- ☐ Monitoring and Inspection Plan
- ☐ Erosion Control Plan
- ☐ Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC

13. **Proposed Closure:** 19.15.17.13 NMAC

Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.

- Type: ☐ Drilling ☐ Workover ☐ Emergency ☐ Cavitation ☐ P&A ☐ Permanent Pit ☐ Below-grade Tank ☐ Multi-well Fluid Management Pit
☐ Alternative
- Proposed Closure Method: ☒ Waste Excavation and Removal
☐ Waste Removal (Closed-loop systems only)
☐ On-site Closure Method (Only for temporary pits and closed-loop systems)
☐ In-place Burial ☐ On-site Trench Burial
☐ Alternative Closure Method

14. **Waste Excavation and Removal Closure Plan Checklist:** (19.15.17.13 NMAC) **Instructions:** Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached.

- ☒ Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC
- ☒ Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.13 NMAC
- ☒ Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings)
- ☒ Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
- ☒ Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
- ☒ Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC

15. **Siting Criteria (regarding on-site closure methods only):** 19.15.17.10 NMAC

Instructions: Each siting criteria requires a demonstration of compliance in the closure plan. Recommendations of acceptable source material are provided below. Requests regarding changes to certain siting criteria require justifications and/or demonstrations of equivalency. Please refer to 19.15.17.10 NMAC for guidance.

Ground water is less than 25 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
Ground water is between 25-50 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
Ground water is more than 100 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
Within 100 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within 300 horizontal feet of a private, domestic fresh water well or spring used for domestic or stock watering purposes, in existence at the time of initial application. - NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site	<input type="checkbox"/> Yes <input type="checkbox"/> No
Written confirmation or verification from the municipality; Written approval obtained from the municipality	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within 300 feet of a wetland. US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance	<input type="checkbox"/> Yes <input type="checkbox"/> No

adopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written approval obtained from the municipality	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within a 100-year floodplain. - FEMA map	<input type="checkbox"/> Yes <input type="checkbox"/> No

16.
On-Site Closure Plan Checklist: (19.15.17.13 NMAC) *Instructions: Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached.*

☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
☐ Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection E of 19.15.17.13 NMAC
☐ Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of Subsection K of 19.15.17.11 NMAC
☐ Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19.15.17.11 NMAC
☐ Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC
☐ Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of 19.15.17.13 NMAC
☐ Waste Material Sampling Plan - based upon the appropriate requirements of 19.15.17.13 NMAC
☐ Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards cannot be achieved)
☐ Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
☐ Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
☐ Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC

17.
Operator Application Certification:
 I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and belief.
 Name (Print): _____ Dianna Hamilton _____ Title: Health, Safety and Environmental Coordinator
 Signature: _____ Date: August 21, 2017
 e-mail address: dhamilton@djrlc.com Telephone: (505) 634-1144

18.
OCD Approval: ☐ Permit Application (including closure plan) ☐ Closure Plan (only) ☐ OCD Conditions (see attachment)
 OCD Representative Signature: [Signature] Approval Date: 2/22/2018
 Title: Environmental Specialist OCD Permit Number: _____

19.
Closure Report (required within 60 days of closure completion): 19.15.17.13 NMAC
Instructions: Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting the closure report. The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not complete this section of the form until an approved closure plan has been obtained and the closure activities have been completed.
☒ Closure Completion Date: 9/12/17

20.
Closure Method:
☐ Waste Excavation and Removal ☐ On-Site Closure Method ☐ Alternative Closure Method ☐ Waste Removal (Closed-loop systems only)
☐ If different from approved plan, please explain.

21.
Closure Report Attachment Checklist: *Instructions: Each of the following items must be attached to the closure report. Please indicate, by a check mark in the box, that the documents are attached.*

☒ Proof of Closure Notice (surface owner and division)
☐ Proof of Deed Notice (required for on-site closure for private land only)
☐ Plot Plan (for on-site closures and temporary pits)
☒ Confirmation Sampling Analytical Results (if applicable)
☐ Waste Material Sampling Analytical Results (required for on-site closure)
☒ Disposal Facility Name and Permit Number
☒ Soil Backfilling and Cover Installation
☐ Re-vegetation Application Rates and Seeding Technique
☒ Site Reclamation (Photo Documentation)

On-site Closure Location: Latitude 36.433466 Longitude 108.016794 NAD: ☐ 1927 ☒ 1983

Operator Closure Certification:

I hereby certify that the information and attachments submitted with this closure report is true, accurate and complete to the best of my knowledge and belief. I also certify that the closure complies with all applicable closure requirements and conditions specified in the approved closure plan.

Name (Print): Dianna Hamilton Title: Health Safety and Environmental Specialist

Signature: 

Date: October 31, 2017

e-mail address: dhmailton@djrlc.com Telephone: (505) 634-1144 x205

DJR Operating, LLC

PO Box 1280
Bloomfield, NM 87413
(505) 634-1144

August 31, 2017

New Mexico State Land Office
310 Old Santa Fe Trail
Santa Fe, NM 87501

Return Receipt Requested 7015 0640 0005 8540 0540

Subject: Notification of Closure- Buena Suerte Compressor station

To whom it may concern,

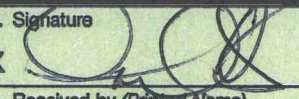

DJR Operating (previously Elm Ridge Exploration dba Beeline Gas Systems) is submitting this notification of closure for pits that are on the Buena Suerte Compressor station. Please see attached approved C-144 and closure plan for further details. Also please note notification for sampling to be completed on Tuesday September 12th at 1:00 pm to allow State personnel the opportunity to witness soil sampling as described in the closure plans.

If you have any questions or comments please feel free to contact me at the above number or by email at dhamilton@djrlc.com

Sincerely,

Dianna Hamilton
HSE Coordinator

Attachments: C-144 forms
Closure Plans document

SENDER: COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY	
<ul style="list-style-type: none">■ Complete items 1, 2, and 3.■ Print your name and address on the reverse so that we can return the card to you.■ Attach this card to the back of the mailpiece, or on the front if space permits.		<p>A. Signature <input checked="" type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>X </p> <p>B. Received by (Printed Name) C. Date of Delivery</p> <p>Daniel Chavez 9/5/17</p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If YES, enter delivery address below:</p>	
1. Article Addressed to: NM State Land Office 310 Old Santa Fe Trail Santa Fe, NM 87501		3. Service Type	
 9590 9403 0227 5146 0948 30		<input type="checkbox"/> Adult Signature <input type="checkbox"/> Priority Mail Express® <input type="checkbox"/> Adult Signature Restricted Delivery <input type="checkbox"/> Registered Mail™ <input type="checkbox"/> Certified Mail® <input type="checkbox"/> Registered Mail Restricted Delivery <input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Collect on Delivery <input checked="" type="checkbox"/> Signature Confirmation™ <input type="checkbox"/> Collect on Delivery Restricted Delivery <input type="checkbox"/> Signature Confirmation Restricted Delivery <input type="checkbox"/> Insured Mail <input type="checkbox"/> Signature Confirmation Restricted Delivery (over \$500)	
2. Article Number (Transfer from service label) 7015 0640 0005 8540 0540			

PS Form 3811, April 2015 PSN 7530-02-000-9053 Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

NMOCD
1000 Rio Brazos Rd
Aztec NM 87410



9590 9403 0227 5146 0948 16

2. Article Number (Transfer from service label)

7015 0640 0005 8540 0588

PS Form 3811, April 2015 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X *Brandon Powell*

- ☐ Agent
☐ Addressee

B. Received by (Printed Name)

Brandon Powell

C. Date of Delivery

11/23/17

- D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type

- ☐ Adult Signature
☐ Adult Signature Restricted Delivery
☒ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Insured Mail
☐ Insured Mail Restricted Delivery over \$500
- ☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
☐ Return Receipt for Merchandise
☒ Signature Confirmation™
☐ Signature Confirmation Restricted Delivery

Domestic Return Receipt

November 20, 2017

NMOCD

1000 Rio Brazos Road

Aztec, NM 87410

Return Receipt Requested 7015 0640 0005 8540 0588

Subject: Notification of Closure- Buena Suerte Compressor station

To whom it may concern,

DJR Operating (previously Elm Ridge Exploration dba Beeline Gas Systems) is submitting this notification of closure for pits that are on the Buena Suerte Compressor station. Please see attached approved C- 144 and closure plan for further details.

If you have any questions or comments please feel free to contact me at the above number or by email at dhamilton@djrlc.com

Sincerely,

Dianna Hamilton

HSE Specialist

Attachments: C-144 forms
Sampling results
Proof of notice to NM state land office
Photos
C-141

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

NM State Land office
310 Santa Fe Trail
Santa Fe, NM 87501



9590 9403 0227 5146 0948 47

2. Article Number (Transfer from service label)

7015 0640 0005 8540 0571

PS Form 3811, April 2015 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

B. Received by (Printed Name)

☐ Age
☐ Add

C. Date of D

D. Is delivery address different from item 1? If YES, enter delivery address below:

☐ Yes
☐ No

3. Service Type

- ☐ Adult Signature
- ☐ Adult Signature Restricted Delivery
- ☒ Certified Mail®
- ☐ Certified Mail Restricted Delivery
- ☐ Collect on Delivery
- ☐ Collect on Delivery Restricted Delivery
- ☐ Insured Mail
- ☐ Insured Mail Restricted Delivery (over \$500)
- ☐ Priority Mail Express
- ☐ Registered Mail™
- ☐ Registered Mail Restricted Delivery
- ☐ Return Receipt for Merchandise
- ☒ Signature Confirmation
- ☐ Signature Confirmation Restricted Delivery

Domestic Return Re

November 20, 2017

New Mexico State Land Office
310 Old Santa Fe Trail
Santa Fe, NM 87501

Return Receipt Requested 7015 0640 0005 8540 0571

Subject: Notification of Closure- Buena Suerte Compressor station

To whom it may concern,

DJR Operating (previously Elm Ridge Exploration dba Beeline Gas Systems) is submitting this notification of closure for pits that are on the Buena Suerte Compressor station. Please see attached approved C- 144 and closure plan for further details.

If you have any questions or comments please feel free to contact me at the above number or by email at dhamilton@djrlc.com

Sincerely,

Dianna Hamilton
HSE Specialist

Attachments: C-144 forms
Sampling results
Proof of notice to NMOCD
Photos
C-141

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 August 8, 2011

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 kna DJR operating	Contact: Dianna Hamilton 330-2736	
Address: #20 CR 5060 Bloomfield, NM 87413	Telephone No. 634-1144	
Facility Name: Buena Suerte Comp. Station SW Tank	Facility Type: Compressor	
Surface Owner: State of NM	Mineral Owner:	API No. n/a

LOCATION OF RELEASE

Unit Letter J	Section 32	Township 26N	Range 11W	Feet from the	North/South Line	Feet from the	East/West Line	San Juan County
Latitude: 36.433466 Longitude: -108.016794								

NATURE OF RELEASE

Type of Release: N/A	Volume of Release: N/A	Volume Recovered: N/A
Source of Release: N/A	Date and Hour of Occurrence: N/A	
Was Immediate Notice Given? N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	
By Whom? Dianna Hamilton	If YES, To Whom? N/A	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input type="checkbox"/> No N/A	Date and Hour	
If YES, Volume Impacting the Watercourse.		
If a Watercourse was Impacted, Describe Fully N/A		
Describe Cause of Problem and Remedial Action Taken.* N/A		
Describe Area Affected and Cleanup Action Taken.* Sampling was conducted and witnessed by Cory Smith. Samples taken from below the tanks. See attached sampling results.		

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: Dianna Hamilton	OIL CONSERVATION DIVISION	
Printed Name: Dianna Hamilton	Approved by Environmental Specialist:	
Title: HSE Coordinator	Approval Date:	Expiration Date:
E-mail Address: dhamilton@djrlc.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: December 20, 2017 Phone: 505-330-2736		

* Attach Additional Sheets If Necessary

**Elm Ridge Exploration Co., LLC d.b.a. Beeline Gas Systems
Buena Suerte Compressor Station
Registration of New Below-Grade Tank**

Closure Plan


In accordance with 19.15.17.13 NMAC, the following plan describes the closure requirements of the new below-grade tank (BGT) in the Buena Suerte Compressor Station (BSCS) owned and operated by Elm Ridge Exploration Co., LLC d.b.a. Beeline Gas Systems (BGS). BSCS is located in San Juan County approximately 20 miles, by road, southwest of Bloomfield, NM.

Closure Requirements Where Wastes are to be Disposed of Off-site

1. BGS shall dispose of all wastes at a division-approved facility.
2. BGS shall not commence closure without first obtaining approval of the closure plan submitted with this registration.
3. BGS shall close the BGT by first removing all contents and, if applicable, synthetic liners and transferring those materials to a division-approved facility.
4. BGS shall test the soils beneath the BGT as follows:
 - a. At a minimum, a five-point composite sample to include any obvious stained or wet soils, or other evidence of contamination shall be taken under the liner or BGT and that sample shall be analyzed for the constituents listed in Table 1 of 19.15.17.13 NMAC (below).
 - b. If any contaminant concentration is higher than the parameters listed in Table 1 of 19.15.17.13 NMAC (below) the division may require additional delineation upon review of the results and BGS must obtain approval before proceeding with closure.
 - c. If all contaminant concentrations are less than or equal to the parameters listed in Table 1 of 19.15.17.13 NMAC (below), then BGS may proceed to backfill the excavation with division approved soil cover.

Table I Closure Criteria for Soils Beneath <u>Below-Grade Tanks</u>, Drying Pads Associated with Closed-Loop Systems and Pits where Contents are Removed			
Depth below bottom of pit to groundwater less than 10,000 mg/l TDS	Constituent	Method*	Limit**
≤50 feet	Chloride	EPA 300.0	600 mg/kg
	TPH	EPA SW-846 Method 418.1	100 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8015M	10 mg/kg

Closure Plan (Continued)

Table I (Continued) Closure Criteria for Soils Beneath Below-Grade Tanks, Drying Pads Associated with Closed-Loop Systems and Pits where Contents are Removed			
Depth below bottom of pit to groundwater less than 10,000 mg/l TDS	Constituent	Method*	Limit**
51 feet-100 feet	Chloride	EPA 300.0	10,000 mg/kg
	TPH	EPA SW-846 Method 418.1	2,500 mg/kg
	GRO+DRO	EPA SW-846 Method 8015M	1,000 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8015M	10 mg/kg
 >100 feet	Chloride	EPA 300.0	20,000 mg/kg
	TPH	EPA SW-846 Method 418.1	2,500 mg/kg
	GRO+DRO	EPA SW-846 Method 8015M	1,000 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8015M	10 mg/kg

Timing Requirements and Closure Methods for Below-Grade Tanks

1. Within 60 days of cessation of operations, BGS shall remove liquids and sludge from the BGT prior to implementing a closure method and shall dispose of the liquids and sludge in a division-approved facility.
2. Within six (6) months of cessation of operations, BGS shall remove the BGT and dispose of it in a division-approved facility or recycle, reuse, or reclaim it in a manner that the appropriate division office approves. If there is any equipment associated with the BGT, then BGS shall remove the equipment, unless the equipment is required for some other purpose.
3. BGS shall notify the surface owner by certified mail, return receipt requested, that BGS plans closure operations at least 72 hours, but not more than one week, prior to any closure operation. Notice shall include operator name, facility name, NMOCD permit number, and location to be closed by unit letter, section, township, and range.
4. BGS shall notify the appropriate division office by certified mail, return receipt requested, that BGS plans closure operations at least 72 hours, but not more than one week, prior to any closure operation. Notice shall include operator name, facility name, NMOCD permit number, and location to be closed by unit letter, section, township, and range.

Closure Plan (Continued)

Reclamation of BGT Locations

1. Site Contouring

- a. Once the area associated with the BGT is no longer in use, BGS shall reclaim the BGT location and all areas associated with the BGT including associated access roads to a safe and stable condition that blends with the surrounding undisturbed area. BGS shall substantially restore the impacted surface area to the condition that existed prior to oil and gas operations by placement of the soil cover as provided in Paragraph (2) in Subsection H of 19.15.17.13 NMAC, recontour the location and associated areas to a contour that approximates the original contour and blends with the surrounding topography and re-vegetate according to Paragraph (5) in Subsection H of 19.15.17.13 MMAC.
- b. BGS may propose an alternative to the re-vegetation or recontouring requirement if BGS demonstrates to the appropriate district office that the proposed alternative provides equal or better prevention of erosion, and protection of fresh water, public health, and the environment. The proposed alternative shall be agreed upon by the surface owner. BGS shall submit the proposed alternative, with written documentation that the surface owner agrees to the alternative, to the division for approval.
- c. In areas reasonably needed for production operations, BGS shall compact, cover, pave, or otherwise stabilize and maintain the areas in such a way as to minimize dust and erosion to the extent practicable.

2. Soil Cover Designs for a BGT

- a. The soil cover for closures after site contouring, where BGS has removed the BGT, contents, and liner, and if necessary remediated the soil beneath the BGT, shall consist of the background thickness of topsoil or one foot of suitable material, whichever is greater.
- b. BGS shall construct the soil cover to the site's existing grade and prevent ponding of water and erosion of the cover material.

3. Reclamation and Re-vegetation

- a. In areas no longer in use, except for areas reasonably needed for production operations, BGS shall reclaim all areas disturbed by the closure of the BGT as early and as nearly as practicable to their original condition or their final land use and BGS shall maintain the areas to control dust and minimize erosion to the extent practicable.
- b. BGS shall replace topsoil and subsoil to their original relative position and contoured so as to achieve erosion control, long-term stability, and preservation of surface water flow patterns. The disturbed area shall be reseeded in the first favorable growing season following closure of the BGT.
- c. Reclamation of all disturbed areas no longer in use shall be considered complete when all ground surface disturbing activities at

Closure Plan (Continued)

the site have been completed, and a uniform vegetative cover has been established that reflects a life-form ratio of plus or minus fifty percent (50%) of pre-disturbance levels and a total percent plant cover of at least seventy percent (70%) of pre-disturbance levels, excluding noxious weeds.

- d. The re-vegetation and reclamation obligations imposed by other applicable federal or tribal agencies on lands managed by those agencies shall supercede these provisions and govern the obligations of BGS, if subject to those provisions, provided that the other requirements provide equal or better protection of fresh water, human health, and the environment.
- e. BGS shall notify the division when reclamation and re-vegetation are complete.

Closure Report

- 1. Within 60 days of closure completion, BGS shall submit a closure report on Form C-144, with necessary attachments to document all closure activities including sampling results; information on back-filling, capping, and covering, where applicable. In the closure report, BGS shall certify that all information in the report and attachments is correct and that BGS has complied with all applicable closure requirements and conditions specified in the closure plan.
- 2. The closure report will include the following:
 - a. Proof of closure notice to surface owner and NMOCD;
 - b. Back-filling and cover installation;
 - c. Analytical results of confirmation sampling;
 - d. Disposal facility name(s) and permit number(s);
 - e. Application rate and seeding techniques if the entire facility is to be reclaimed;
 - f. Photo documentation of the reclamation.

**Elm Ridge Exploration Co., LLC d.b.a. Beeline Gas Systems
Buena Suerte Compressor Station
Registration of New Below-Grade Tank**

Exceptions and Variances

In accordance with 19.15.17.15 NMAC, regarding the proposed new below-grade tank (BGT) in the Buena Suerte Compressor Station (BSCS) owned and operated by Elm Ridge Exploration Co., LLC d.b.a. Beeline Gas Systems (BGS), we request the following exceptions and variances (E&V).

1. BGS desires to use a Rufco 4000B LLDPE liner as an alternative to a liner made from HDPE or PVC. The Rufco liner is 40-mils thick and we believe it to be as good or better than a 30-mil HDPE or PVC liner. A liner is not required for the double-wall, double-bottom tank BGS will install. The liner we plan to install is an additional level of protection to prevent contamination of fresh water; and to protect public health and the environment in the unlikely event of an overflow of the BGT. Please see the attached specifications for the Rufco liner.
2. BGS requests a variance to the requirement of stockpiling the topsoil from the excavation for this BGT. The tank will be located in an active compressor station with limited storage area. BGS proposes to use the soil from this excavation to backfill the excavation for another BGT we plan to close in the near future. BGS will sample and test the soil from the excavation for the new BGT and use it for backfill material only if the concentration of *all* constituents listed in Table 1 of 19.15.17.13 NMAC are *less than or equal* to the limits listed in the table. If the concentration of *any* of the listed constituents are *greater than* the limits listed in the table, the excavated soil will be disposed of in a division-approved facility.
3. BGS requests a variance to placing a sign on the fence surrounding the BGT. Because the BGT is to be located in a compressor station that is totally surrounded by a 6-foot propanel fence, BGS proposes to locate the required sign in a conspicuous place on the outside of the facility fence.
4. BGS requests a variance to testing for TPH by the EPA SW-846 Method 418.1. BGS proposes to use the EPA SW-846 Method 8015 Extended to test for GRO, DRO, and MRO.



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

26 September 2017

Dianna Hamilton
DJR Operating
#20 CR 5060
Bloomfield, NM 87413
RE: BTEX,TPH, CI

Enclosed are the results of analyses for samples received by the laboratory on 09/12/17 15:45.
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: BTEX,TPH, Cl
Project Name / Number: Buena Suerte N & E Pits
Project Manager: Dianna Hamilton

Reported:
09/26/17 13:02

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
N. Pit S1	1709091-01	Solid	09/12/17 14:05	09/12/17 15:45
N. Pit S2	1709091-02	Solid	09/12/17 14:05	09/12/17 15:45
E. Pit S1	1709091-03	Solid	09/12/17 14:00	09/12/17 15:45
E. Pit S2	1709091-04	Solid	09/12/17 14:00	09/12/17 15:45

Green Analytical Laboratories

Debbie Zufelt, Reports Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



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: BTEX,TPH, Cl Project Name / Number: Buena Suerte N & E Pits Project Manager: Dianna Hamilton	Reported: 09/26/17 13:02
------------------------------------------------------	-------------------------------------------------------------------------------------------------------------	-----------------------------

E. Pit S1

1709091-03 (Solid)

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
---------	--------	----	-----	-------	----------	----------	--------	-------	---------

Soluble (DI Water Extraction)

Chloride	85.4	10.6	1.52	mg/kg dry	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	09/20/17	8021B		MS
Toluene*	<0.050	0.050	0.002	mg/kg	50	09/20/17	8021B		MS
Ethylbenzene*	<0.050	0.050	0.004	mg/kg	50	09/20/17	8021B		MS
Total Xylenes*	<0.150	0.150	0.010	mg/kg	50	09/20/17	8021B		MS
Total BTEX	<0.300	0.300	0.018	mg/kg	50	09/20/17	8021B		MS

Surrogate: 4-Bromofluorobenzene (PID)	100 %	72-148		09/20/17	8021B	MS
---------------------------------------	-------	--------	--	----------	-------	----

Petroleum Hydrocarbons by GC FID

GRO C6-C10	<10.0	10.0	3.53	mg/kg	1	09/17/17	8015B		MS
DRO >C10-C28	11.7	10.0	2.04	mg/kg	1	09/17/17	8015B		MS
EXT DRO >C28-C36	<10.0	10.0	2.04	mg/kg	1	09/17/17	8015B		MS

Surrogate: 1-Chlorooctane	91.8 %	28.3-164		09/17/17	8015B	MS
---------------------------	--------	----------	--	----------	-------	----

Surrogate: 1-Chlorooctadecane	89.9 %	34.7-157		09/17/17	8015B	MS
-------------------------------	--------	----------	--	----------	-------	----

Green Analytical Laboratories

Debbie Zufelt

Debbie Zufelt, Reports Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



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: BTEX,TPH, CI
Project Name / Number: Buena Suerte N & E Pits
Project Manager: Dianna Hamilton

Reported:
09/26/17 13:02

E. Pit S2

1709091-04 (Solid)

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
Soluble (DI Water Extraction)									
Chloride	69.3	10.8	1.55	mg/kg dry	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	09/20/17	8021B		MS
Toluene*	<0.050	0.050	0.002	mg/kg	50	09/20/17	8021B		MS
Ethylbenzene*	<0.050	0.050	0.004	mg/kg	50	09/20/17	8021B		MS
Total Xylenes*	<0.150	0.150	0.010	mg/kg	50	09/20/17	8021B		MS
Total BTEX	<0.300	0.300	0.018	mg/kg	50	09/20/17	8021B		MS

Surrogate: 4-Bromofluorobenzene (PID) 101 % 72-148 09/20/17 8021B MS

Petroleum Hydrocarbons by GC FID

GRO C6-C10	<10.0	10.0	3.53	mg/kg	1	09/17/17	8015B		MS
DRO >C10-C28	35.7	10.0	2.04	mg/kg	1	09/17/17	8015B		MS
EXT DRO >C28-C36	28.0	10.0	2.04	mg/kg	1	09/17/17	8015B		MS

Surrogate: 1-Chlorooctane 97.6 % 28.3-164 09/17/17 8015B MS

Surrogate: 1-Chlorooctadecane 106 % 34.7-157 09/17/17 8015B MS

Green Analytical Laboratories

Debbie Zufelt, Reports Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



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

www.GreenAnalytical.com

DJR Operating	Project: BTEX,TPH, CI	
#20 CR 5060	Project Name / Number: Buena Suerte N & E Pits	Reported:
Bloomfield NM, 87413	Project Manager: Dianna Hamilton	09/26/17 13:02

Soluble (DI Water Extraction) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B709128 - General Prep - Wet Chem

Blank (B709128-BLK1)		Prepared: 09/18/17 Analyzed: 09/22/17								
Chloride	ND	10.0	mg/kg wet							
LCS (B709128-BS1)		Prepared: 09/18/17 Analyzed: 09/22/17								
Chloride	242	10.0	mg/kg wet	250		96.8	85-115			
LCS Dup (B709128-BSD1)		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
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 7091904 - Volatiles

Blank (7091904-BLK1)		Prepared: 09/19/17 Analyzed: 09/20/17								
Surrogate: 4-Bromofluorobenzene (PID)	ND		mg/kg	0.0500		98.9	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							
LCS (7091904-BS1)		Prepared: 09/19/17 Analyzed: 09/20/17								
Surrogate: 4-Bromofluorobenzene (PID)	0.0489		mg/kg	0.0500		97.7	72-148			
Benzene	2.23	0.050	mg/kg	2.00		112	79.5-124			
Ethylbenzene	2.12	0.050	mg/kg	2.00		106	77.7-125			
Toluene	2.06	0.050	mg/kg	2.00		103	75.5-127			
Total Xylenes	6.28	0.150	mg/kg	6.00		105	70.9-124			
LCS Dup (7091904-BSD1)		Prepared: 09/19/17 Analyzed: 09/20/17								
Surrogate: 4-Bromofluorobenzene (PID)	0.0501		mg/kg	0.0500		100	72-148			
Benzene	2.19	0.050	mg/kg	2.00		109	79.5-124	2.13	6.5	
Ethylbenzene	2.08	0.050	mg/kg	2.00		104	77.7-125	1.94	7.83	
Toluene	2.01	0.050	mg/kg	2.00		100	75.5-127	2.29	7.02	
Total Xylenes	6.21	0.150	mg/kg	6.00		104	70.9-124	1.07	7.78	
Matrix Spike (7091904-MS1)		Source: H702491-07 Prepared: 09/19/17 Analyzed: 09/20/17								
Surrogate: 4-Bromofluorobenzene (PID)	0.0487		mg/kg	0.0500		97.4	72-148			
Benzene	1.79	0.050	mg/kg	2.00	ND	89.5	70.9-127			

Green Analytical Laboratories

Debbie Zufelt

Debbie Zufelt, Reports Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



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: BTEX,TPH, CI
Project Name / Number: Buena Suerte N & E Pits
Project Manager: Dianna Hamilton

Reported:
09/26/17 13:02

**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
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch 7091904 - Volatiles (Continued)

Matrix Spike (7091904-MS1) (Continued)

Source: H702491-07 Prepared: 09/19/17 Analyzed: 09/20/17

Ethylbenzene	1.71	0.050	mg/kg	2.00	ND	85.5	38.8-164			
Toluene	1.65	0.050	mg/kg	2.00	ND	82.4	46-161			
Total Xylenes	5.15	0.150	mg/kg	6.00	ND	85.9	41.9-151			

Matrix Spike Dup (7091904-MSD1)

Source: H702491-07 Prepared: 09/19/17 Analyzed: 09/20/17

Surrogate: 4-Bromofluorobenzene (PID)	0.0495		mg/kg	0.0500		99.0	72-148			
Benzene	1.76	0.050	mg/kg	2.00	ND	88.2	70.9-127	1.44	3.45	
Ethylbenzene	1.68	0.050	mg/kg	2.00	ND	83.9	38.8-164	1.88	4.92	
Toluene	1.62	0.050	mg/kg	2.00	ND	80.8	46-161	1.98	5.27	
Total Xylenes	5.06	0.150	mg/kg	6.00	ND	84.4	41.9-151	1.80	6.95	

Green Analytical Laboratories

Debbie Zufelt

Debbie Zufelt, Reports Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



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

www.GreenAnalytical.com

DJR Operating	Project: BTEX,TPH, CI	
#20 CR 5060	Project Name / Number: Buena Suerte N & E Pits	Reported:
Bloomfield NM, 87413	Project Manager: Dianna Hamilton	09/26/17 13:02

Petroleum Hydrocarbons by GC FID - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 7091502 - General Prep - Organics

Blank (7091502-BLK1)

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

Surrogate: 1-Chlorooctadecane	54.9		mg/kg	50.0		110	34.7-157			
Surrogate: 1-Chlorooctane	51.8		mg/kg	50.0		104	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 (7091502-BS1)

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

Surrogate: 1-Chlorooctadecane	55.1		mg/kg	50.0		110	34.7-157			
Surrogate: 1-Chlorooctane	56.5		mg/kg	50.0		113	28.3-164			
DRO >C10-C28	188	10.0	mg/kg	200		94.0	81.4-124			
GRO C6-C10	181	10.0	mg/kg	200		90.5	76.6-119			
Total TPH C6-C28	369	10.0	mg/kg	400		92.2	79.4-121			

LCS Dup (7091502-BSD1)

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

Surrogate: 1-Chlorooctadecane	54.0		mg/kg	50.0		108	34.7-157			
Surrogate: 1-Chlorooctane	56.3		mg/kg	50.0		113	28.3-164			
DRO >C10-C28	186	10.0	mg/kg	200		92.9	81.4-124	1.21	9.83	
GRO C6-C10	179	10.0	mg/kg	200		89.7	76.6-119	0.835	7.94	
Total TPH C6-C28	365	10.0	mg/kg	400		91.3	79.4-121	1.03	8.57	

Matrix Spike (7091502-MS1)

Source: H702472-10

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

Surrogate: 1-Chlorooctadecane	50.6		mg/kg	50.0		101	34.7-157			
Surrogate: 1-Chlorooctane	51.2		mg/kg	50.0		102	28.3-164			
DRO >C10-C28	184	10.0	mg/kg	200	ND	91.8	18.2-177			
GRO C6-C10	176	10.0	mg/kg	200	ND	88.0	39.3-131			
Total TPH C6-C28	360	10.0	mg/kg	400	2.85	89.2	30-150			

Matrix Spike Dup (7091502-MSD1)

Source: H702472-10

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

Surrogate: 1-Chlorooctadecane	51.6		mg/kg	50.0		103	34.7-157			
Surrogate: 1-Chlorooctane	51.9		mg/kg	50.0		104	28.3-164			
DRO >C10-C28	187	10.0	mg/kg	200	ND	93.7	18.2-177	2.05	22.5	
GRO C6-C10	178	10.0	mg/kg	200	ND	89.0	39.3-131	1.18	18.5	
Total TPH C6-C28	365	10.0	mg/kg	400	2.85	90.7	30-150	1.64	117	

Green Analytical Laboratories

Debbie Zufelt

Debbie Zufelt, Reports Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



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: BTEX,TPH, Cl
Project Name / Number: Buena Suerte N & E Pits
Project Manager: Dianna Hamilton

Reported:
09/26/17 13:02

Notes and Definitions

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

Green Analytical Laboratories

Debbie Zufelt, Reports Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



service@greenanalytical.com or dzufelt@greenanalytical.com
75 Suttle St Durango, CO 81303

Page 9 of 9

PLEASE NOTE: GAL's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by GAL within 30 days after completion. In no event shall GAL be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by GAL, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:		Date:	Received By:	ADDITIONAL REMARKS:	Report to State? (Circle) Yes No
<i>Dianna Hamilton</i>		9/12/17 Time: 1545	<i>Christy Clark</i>		
Relinquished By:		Date: 9/12/17 Time: 1055	Received By: <i>Kangaroo Express</i>	#1 on file 36/38°C DGO	
<i>Christy Clark</i>		Date: 9-13-17 Time: 0900	Received By: <i>[Signature]</i>		
Relinquished By: <i>Kangaroo</i>		Date: Time:	Received By: <i>[Signature]</i>		
Relinquished By:		Date: Time:	Received By: <i>[Signature]</i>	8.9°C on file	<i>[Signature]</i> CHECKED BY

† GAL cannot always accept verbal changes. Please fax or email written change requests.

* Chain of Custody must be signed in "Relinquished By:" as an acceptance of services and all applicable charges.