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

16291

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: **DJR Operating, LLC** OGRID #: **371838**
Address: PO BOX 156 Bloomfield, NM 87413
Facility or well name: **Marcus A #15**
API Number: **30-039-24065** OCD Permit Number:
U/L or Qtr/Qtr **D** Section **1** Township **23N** Range **07W** County: **Rio Arriba**
Center of Proposed Design: Latitude **36.258919** Longitude **-107.533752** NAD83
Surface Owner: ☒ Federal ☐ State ☐ Private ☐ Tribal Trust or Indian Allotment

2.
☐ **Pit:** Subsection F, G or J of 19.15.17.11 NMAC *Release Confirmed Additional Required.
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: **18** bbl Type of fluid: **Produced Water**
Tank Construction material: **Galvanized Tank**
☐ Secondary containment with leak detection ☐ Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off
☐ Visible sidewalls and liner ☐ Visible sidewalls only ☒ Other **Single wall tank**
Liner type: Thickness _____mil ☐ HDPE ☐ PVC ☐ Other _____

NMOCD
MAR 12 2018
DISTRICT III

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 **4' tall hog wire fence with pipe rail**

#NXS1803531600

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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
Within 300 feet from a occupied 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	☐ Yes ☐ No
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. NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No

Within 100 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Temporary Pit Non-low chloride drilling fluid	
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). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ 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	☐ Yes ☐ No
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; - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Permanent Pit or Multi-Well Fluid Management Pit	
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). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 1000 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	☐ Yes ☐ No
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. - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ 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 H_2S, 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	☐ Yes ☐ No ☐ 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	☐ Yes ☐ No ☐ 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	☐ Yes ☐ No ☐ 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	☐ Yes ☐ 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	☐ Yes ☐ 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	☐ Yes ☐ No
Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☐ No
Within 300 feet of a wetland. US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
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. - Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☐ No
Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	☐ Yes ☐ No
Within an unstable area. - 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. - FEMA map	☐ Yes ☐ 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): _____ Title: _____

Signature: _____ Date: _____

e-mail address: _____ Telephone: _____

18.
OCD Approval: ☐ Permit Application (including closure plan) ☒ Closure Plan (only) ☐ OCD Conditions (see attachment)

OCD Representative Signature: _____ **Approval Date:** 3/29/18

Title: Environmental Spec. **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:** 3-9-18

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 36.25855 Longitude -107.534072 NAD: ☐ 1927 ☒ 1983

22.

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): Amy Archuleta Title: Regulatory Supervisor

Signature: Date: 03-09-18

e-mail address: aarchuleta@djrllc.com Telephone: (505) 632-3476 x201

Scope of Closure Activities:

The purpose of this closure plan is to provide the details of the activities involved in the closure of the BGT at the **Marcus A 15** well site. The following scope of closure activities has been designed to meet this objective:

1) DJR Operating, LLC, or a contractor acting on behalf of DJR Operating, will close all of the BGTs currently in service within the five (5) years allotted. DJR Operating, LLC does not operate any BGTs which would qualify to be upgraded or retrofitted; as such, they will be closing all their current BGT's and replacing them with above ground storage if necessary.
This closure was due by 03-02-2013. It was not done until 3-8-18.

2) DJR Operating, LLC will close BGT's deemed to be an imminent danger to fresh water, public health, or the environment by an earlier date that the division requires as specified in subsection A of 19.15.17.13 NMAC

N/A

3) DJR Operating will close any BGT which demonstrates a compromise of integrity before the five (5) years allotted by the division per Paragraph (6) of subsection I of 19.15.17.11 NMAC.
N/A

4) DJR Operating, LLC will close any BGT within 60 days of cessation of the BGTs operation per Subsection A of 19.15.17.13 NMAC.
BGT was removed on 2-08-18. BGT closed on 3-8-18.

5) No less than 72 hours and no greater than on (1) week prior to BGT removal DJR Operating, LLC, or a contractor acting on behalf of DJR Operating, will provide written notification to the appropriate division district office as well as a schedule of on-site activities, as in accordance with 19.15.17.13 Subsection J Paragraph (2) NMAC. Written notification will include the name of the well operator, the well's API number, the wells name and number, and the well's unit letter, section, township and range.
Attached email to OCD sent on 2-1-18.

6) No less than 24 hours and no greater than one week prior to beginning BGT closure activities DJR Operating, LLC, or a contractor acting on behalf of DJR Operating, will provide written notification to the appropriate surface owner, as in accordance with 19.15.17.13 Subsection J Paragraph (1) NMAC. DJR Operating, or a contractor acting on behalf of DJR

Operating, will notify the surface owner by certified mail, return receipt requested, that the operator plans to close a BGT. The return receipt will be used to ensure that he surface owner has received written notification no less than 25 hrs. and no greater than one week prior to the beginning of BGT closure activities. Evidence of mailing of the notice to the address of the surface owner shown in the county tax records is sufficient to demonstrate compliance with this requirement. Closure activities that will take place on tribal land will have notification sent by certified mail, return receipt requested, to the appropriate tribal office. DJR Operating, or a contractor acting on behalf of DJR Operating, will notify the BLM of closure activities for wells located on federal land per a Sundry Notice, as in in accordance with 19.15.17.13 Subsection J Paragraph (1) NMAC. All notices will be sent in such a way that the surface owner received notice at least 24 hours prior to the beginning of the closure activities.
Submitted Sundry notice to BLM (surface owner) on 2-2-2018.

7) DJR Operating, LLC, or a contractor acting on behalf of DJR Operating, will remove all liquids, and/or sludge, if applicable, prior to closure. Material will be disposed of at Industrial Ecosystems, Inc. (IEI) Landfarm, Permit #NM-01-0010B or Basin Disposal, Permit # NM-01-0005, depending on the consistence of the material removed, as in accordance with 19.15.17.13 Subsection E Paragraph (1) NMAC.
Contaminated soil was taken to Industrial Ecosystems, Inc. C-138 is attached.

8) DJR Operating, LLC, or a contractor acting on behalf of DJR Operating, will remove all on site equipment associated with this BGT that is no longer required for some other purpose, as in accordance with 19.15.17.13 Subsection E Paragraphs (3) NMAC.
All equipment related to BGT was removed.

9) If applicable, any liners or leak detection system removed from a BGT closure will be cleaned off and disposed of at San Juan County Regional Landfill in accordance with Subparagraph (m) of Paragraph (1) of subsection D of 19.15.9.712 NMAC
There wasn't a liner present.

10) DJR Operating, LLC, or a contractor acting on behalf of DJR Operating, will obtain prior approval from the OCD to dispose, recycle, reuse, or reclaim the BGT. DJR Operating, LLC, or a contractor acting on behalf of DJR Operating, will provide the OCD with documentation concerning the final disposition of the BGT with the closure report.
The galvanized pit was disposed of in our iron bin at the Lybrook Yard, in Lybrook, NM.

11) Once the BGT is removed, a five (5)-point composite sample will be collected from directly below the tank or below the leak detection system if present. Grab samples will be collected from any areas that are wet, discolored, or showing other evidence of release. All samples being collected will be analyzed for benzene and total BTEX via USEAP Method 8021B, TPH via USEPA method 8015B, and chlorides, via USEPA 300.1, as in accordance with 19.15.17.13 Subsection E Paragraph (4) NMAC.

12) Depending on soil sample results, the area will be either backfilled or the area will be excavated.

a. If soil samples do not exceed the regulatory standards of .02 mg/kg benzene, 50 mg/kg BTEX, 100 mg/kg TPH, and 250 mg/kg or background concentration of chlorides, as in accordance with 19.15.17.13 Subsection E Paragraph (4) NMAC.
   i. DJR Operating, or a contractor acting on behalf of DJR Operating, shall submit a Form C-141 with the laboratory results so that the division may review the results to determine if additional delineation is required in accordance with Paragraph (5) of subsection E of 19.15.17.13 NMAC. **Emailed results to Cory Smith at OCD on 2-16-18. Received approval to backfill via email on 2-20-18.**
   ii. DJR Operating, LLC, or a contractor acting on behalf of DJR Operating, will backfill the excavation or impacted area with nonwasted containing, earthen material, in accordance with 19.15.17.13 Subsection E Paragraph (6) NMAC. A soil cover shall be installed for all backfilled excavation consisting of the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater in accordance with Subsection H of 19.15.17.13 NMAC. The operator shall construct soil cover to the site's existing grade and prevent ponding of water and erosion of the cover material. **Soil was purchased from Envirotech's Land farm on 3-8-18. 34 yards total.**
   iii. All areas of the well site that are no longer utilized on a day to day basis for the production of oil and/or gas, DJR Operating, or a contractor acting on behalf of DJR Operating, will substantially restore, recontour, and revegetate the areas, in

accordance with 19.15.17.13 Subsections G and I NMAC. The operator shall notify the division when it has been re-seeded and when it has achieved successful re-vegetation. For re-vegetation methods, please see attached re-vegetation plan. **Area is still in use and will not be re-vegetated at this time.**

b. If soil samples exceed the regulatory standards stated above.
   i. DJR Operating will submit a Release Notification by Form C-141 with the appropriate analytical laboratory results to the appropriate division district office, in accordance with 19.15.17.13 Subsection E Paragraph (4) NMAC. **Submitted C 141 3-9-18.**
   ii. In accordance with Paragraph (5) of Subsection E of 19.15.17.13 NMAC, once the operator or the OCD has determined that the release has occurred, DJR Operating, LLC, or a contractor acting on behalf of DJR Operating, will comply with rule 19.15.3.116 NMAC and 19.15.1.19 NMAC as appropriate. **No further action required.**

Reporting

DJR Operating, LLC will submit a closure report within 60 days following the BGT closure. The closure report will consist of a form C-144 with all supporting data☒ and a form C-141 with all supporting data☒. The supporting data will include proof of closure notice to the surface owner and the OCD ☒, confirmation of sampling analytical results☒, a site diagram☒, soil backfilling and cover installation☒, revegetation rates☐, re-seeding techniques☐, and a site reclamation photo documentation☒, if applicable, along with all other information related to onsite activities☐.

Amy Archuleta
Regulatory Supervisor
DJR Operating, LLC

Amy Archuleta

From: Amy Archuleta
Sent: Thursday, February 1, 2018 10:59 AM
To: Smith, Cory, EMNRD; Vanessa.Fields@state.nm.us; 'Kelly, Jonathan, EMNRD'
Cc: David Striegel
Subject: Marcus A 15 30-039-24065
Attachments: Rincon 13 dug out.jpg; Marcus A15 pit dug out.jpg

Hello All:

We went out to the **Marcus A 15** to satisfy the request from Jonathan Kelly for this well last week. The BGT is a galvanized pit and had rusted through. Because this pit is rusted through and serves no purpose we plan to close the BGT now. We have already dug out the pit to allow visibility to the sidewalls and because there were holes in the pit, the dirt inside the pit was removed as well. We believe that a release has occurred, but we are unsure. This site is ranked at zero. If the test results are above the BGT closure requirements we will divert to 19.15.29 requirements. We will pull the BGT on **Thursday February 8th at 10 am** and test the soil. I will notify the land owner (BLM) via sundry notice. A photo of the Marcus A 15 is attached. I have requested Randy Bayliss approve the C 144.

Marcus A 15
API: 30-039-24065
"D" Sec. 1-T23N-R7W
Lat: 36.258919 Long: -107.533752
Rio Arriba County, NM

We also went to the Rincon 13 to satisfy the BGT visibility. This work has been done. Please see the attached photo.

Rincon 13
30-039-24533
"G" Sec 1 -T23N-R7W
Rio Arriba County, NM

This well doesn't have a C144. I will submit a C144 closure document and we will close this pit in the future as well. This pit is currently not in use.

If you have any questions, please contact me at 505-632-3476 x201

Thank you
Amy Archuleta
DJR Operating, LLC

From: Kelly, Jonathan, EMNRD [mailto:Jonathan.Kelly@state.nm.us]
Sent: Wednesday, December 20, 2017 7:12 AM
To: Amy Archuleta <aarchuleta@djrllc.com>
Cc: Powell, Brandon, EMNRD <Brandon.Powell@state.nm.us>
Subject: Compliance Issues in T23N R7W

Good morning Amy,

I encountered the following compliance issues that need addressed yesterday while inspecting.

Marcus A 015 – 30-039-24065 – Location has a galvanized metal BGT w/o sidewalls to base not visible.
Rincon 013 – 30-039-24533 – Location has a galvanized metal BGT w/o base visible.

Please email me photos of the corrective actions once completed to help expedite clearing the compliance. Any replacement well signs should be appropriately located on location and follow requirements of 19.15.16.8 NMAC and other applicable regulatory agency requirements with information complete and correct.

If you have any questions regarding the any of the above, please do not hesitate to contact me.

Thank you,

Jonathan D. Kelly
Compliance Officer
Oil Conservation Division
Energy, Minerals, & Natural Resources
1000 Rio Brazos, Aztec, NM 87410
(505)334-6178 ext 122
jonathan.kelly@state.nm.us

Form 3160-5
(November 1994)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires July 31, 1996

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE – Other instructions on reverse side

5. Lease Serial No.
SF-078362

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.
Marcus A 15

2. Name of Operator
DJR Operating, LLC

9. API Well No.
30-039-24065

3a. Address
PO BOX 156, Bloomfield, NM 87413

3b. Phone No. *(include area code)*
505-632-3476

10. Field and Pool, or Exploratory Area
Lybrook Gallup

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
"D" - Sec. 1-T23N-R7W
800' FNL X 880' FWL

11. County or Parish, State
Rio Arriba, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other BGT Closure
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days Following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once Testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

DJR Operating, LLC plans to close a 18 bbl galvanized below grade pit located at Latitude: 36.258919 Longitude: -107.533752 on February 8th, 2018 at 10:00 am.

Questions or concerns regarding this closure should be sent to the following:
Amy Archuleta
Email: aarchuleta@djrllc.com **Phone:** 505-632-3476 x201

RECEIVED
FEB 02 2018
Farmington Field Office
Bureau of Land Management

14. I hereby certify that the foregoing is true and correct
Name *(Printed/Typed)* Amy Archuleta — Title Regulatory Supervisor
Signature — Date February 2, 2018

THIS SPACE FOR FEDERAL OR STATE USE

Approved by — Title Supv NRS — Date 2/9/18

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. — Office FFO

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

OPERATOR

Amy Archuleta

From: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>
Sent: Tuesday, February 20, 2018 1:24 PM
To: Amy Archuleta
Cc: Fields, Vanessa, EMNRD
Subject: RE: Marcus A 15 30-039-24065

Amy,

DJR essential will send in the C-144 with the sample results over the limits and indicating that a release occurred.

DJR will then send a follow up C-141 saying that no additional work is needed as the site meets closure standards per the spills and release guidelines. Please also include your laboratory data in the final c-141.

Thanks,

Cory Smith
Environmental Specialist
Oil Conservation Division
Energy, Minerals, & Natural Resources
1000 Rio Brazos, Aztec, NM 87410
(505)334-6178 ext 115
cory.smith@state.nm.us

From: Amy Archuleta [mailto:aarchuleta@djrllc.com]
Sent: Tuesday, February 20, 2018 12:21 PM
To: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>
Subject: RE: Marcus A 15 30-039-24065

Hi Cory,

I am at a conference this week and working from my laptop, which isn't working out well. Its old and not cooperating. This is what I came up with for a diagram of where the samples were taken. I hope this clears up your confusion. We were hoping to get this covered and closed before the bad weather shows up. I will have my cell phone if you would like to discuss.

Thank you,
Amy

From: Smith, Cory, EMNRD [mailto:Cory.Smith@state.nm.us]
Sent: Friday, February 16, 2018 1:38 PM
To: Amy Archuleta <aarchuleta@djrllc.com>; Fields, Vanessa, EMNRD <Vanessa.Fields@state.nm.us>
Subject: RE: Marcus A 15 30-039-24065

Amy,

I don't understand your sampling names enough to get an idea of where the samples were taken.

Do you have a sampling map or can you explain were the samples were taken? Were they grab samples? Or composite samples?

Thanks,

Cory Smith
Environmental Specialist
Oil Conservation Division
Energy, Minerals, & Natural Resources
1000 Rio Brazos, Aztec, NM 87410
(505)334-6178 ext 115
cory.smith@state.nm.us

From: Amy Archuleta [mailto:aarchuleta@djrllc.com]
Sent: Friday, February 16, 2018 11:55 AM
To: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>; Fields, Vanessa, EMNRD <Vanessa.Fields@state.nm.us>
Subject: FW: Marcus A 15 30-039-24065

Hi Cory and Vanessa,

We removed the BGT on this location and tested the soil. There was a previously release. I have attached the soil results. The do not pass BGT closure requirements but do pass 19.15.29 requirements. The chlorides are high on the center sample (which also had TPH over 100), so I wanted to double check with you two on that, before we backfill.

If you can let me know your thoughts, it will be appreciated.

Thank you
Amy

From: Amy Archuleta
Sent: Thursday, February 1, 2018 10:59 AM
To: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>; Vanessa.Fields@state.nm.us; 'Kelly, Jonathan, EMNRD' <Jonathan.Kelly@state.nm.us>
Cc: David Striegel <dstriegel@djrllc.com>
Subject: Marcus A 15 30-039-24065

Hello All:

We went out to the **Marcus A 15** to satisfy the request from Jonathan Kelly for this well last week. The BGT is a galvanized pit and had rusted through. Because this pit is rusted through and serves no purpose we plan to close the BGT now. We have already dug out the pit to allow visibility to the sidewalls and because there were holes in the pit, the dirt inside the pit was removed as well. We believe that a release has occurred, but we are unsure. This site is ranked at zero. If the test results are above the BGT closure requirements we will divert to 19.15.29 requirements. We will pull the BGT on **Thursday February 8th at 10 am** and test the soil. I will notify the land owner (BLM) via sundry notice. A photo of the Marcus A 15 is attached. I have requested Randy Bayliss approve the C 144.

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Thank you,

Jonathan D. Kelly
Compliance Officer
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(505)334-6178 ext 122
jonathan.kelly@state.nm.us

Green Analytical Laboratories

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

15 February 2018

Amy Archuleta
DJR Operating
#20 CR 5060
Bloomfield, NM 87413

RE: BTEX,TPH, Cl

Enclosed are the results of analyses for samples received by the laboratory on 02/08/18 13:05.
If you need any further assistance, please feel free to contact me.

Sincerely,

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.

Green Analytical Laboratories
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, Cl	
#20 CR 5060	Project Name / Number: [none]	**Reported:**
Bloomfield NM, 87413	Project Manager: Amy Archuleta	02/15/18 16:30

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Marcus A-15 #1 R/S	1802084-01	Solid	02/08/18 10:00	02/08/18 13:05
Marcus A-15 #2 Center	1802084-02	Solid	02/08/18 10:00	02/08/18 13:05
Marcus A-15 #3 Tank/WH	1802084-03	Solid	02/08/18 10:00	02/08/18 13:05

Green Analytical Laboratories

Debbie Zufelt

Debbie Zufelt, Reports Manager

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www.GreenAnalytical.com

DJR Operating	Project: BTEX,TPH, Cl	
#20 CR 5060	Project Name / Number: [none]	**Reported:**
Bloomfield NM, 87413	Project Manager: Amy Archuleta	02/15/18 16:30

Marcus A-15 #1 R/S

1802084-01 (Solid)

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
General Chemistry									
% Dry Solids	**92.9**			%	1	02/15/18	EPA160.3/1684		LLG
Soluble (DI Water Extraction)									
Chloride	**186**	10.8	1.54	mg/kg dry	10	02/15/18	EPA300.0		JDA
Subcontracted – **Cardinal Laboratories**									
Volatile Organic Compounds by EPA Method 8021									
Benzene*	<0.050	0.050	0.002	mg/kg	50	02/13/18	8021B		MS
Toluene*	<0.050	0.050	0.002	mg/kg	50	02/13/18	8021B		MS
Ethylbenzene*	<0.050	0.050	0.004	mg/kg	50	02/13/18	8021B		MS
Total Xylenes*	<0.150	0.150	0.010	mg/kg	50	02/13/18	8021B		MS
Total BTEX	<0.300	0.300	0.018	mg/kg	50	02/13/18	8021B		MS
Surrogate: 4-Bromofluorobenzene (PID)			*103 %*	*72-148*		*02/13/18*	*8021B*		MS
Petroleum Hydrocarbons by GC FID									
GRO C6-C10*	<10.0	10.0	3.53	mg/kg	1	02/14/18	8015B		MS
DRO >C10-C28*	**124**	10.0	2.04	mg/kg	1	02/14/18	8015B		MS
EXT DRO >C28-C36	**13.9**	10.0	2.04	mg/kg	1	02/14/18	8015B		MS
Surrogate: 1-Chlorooctane			*94.2 %*	*41-142*		*02/14/18*	*8015B*		MS
Surrogate: 1-Chlorooctadecane			*104 %*	*37.6-147*		*02/14/18*	*8015B*		MS

Green Analytical Laboratories

Debbie Zufelt

Debbie Zufelt, Reports Manager

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www.GreenAnalytical.com

DJR Operating	Project: BTEX,TPH, Cl	
#20 CR 5060	Project Name / Number: [none]	**Reported:**
Bloomfield NM, 87413	Project Manager: Amy Archuleta	02/15/18 16:30

Marcus A-15 #2 Center

1802084-02 (Solid)

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
General Chemistry									
% Dry Solids	**95.8**			%	1	02/15/18	EPA160.3/1684		LLG
Soluble (DI Water Extraction)									
Chloride	**415**	10.4	1.50	mg/kg dry	10	02/15/18	EPA300.0		JDA
Subcontracted -- **Cardinal Laboratories**									
Volatile Organic Compounds by EPA Method 8021									
Benzene*	<0.050	0.050	0.002	mg/kg	50	02/13/18	8021B		MS
Toluene*	<0.050	0.050	0.002	mg/kg	50	02/13/18	8021B		MS
Ethylbenzene*	<0.050	0.050	0.004	mg/kg	50	02/13/18	8021B		MS
Total Xylenes*	<0.150	0.150	0.010	mg/kg	50	02/13/18	8021B		MS
Total BTEX	<0.300	0.300	0.018	mg/kg	50	02/13/18	8021B		MS
Surrogate: 4-Bromofluorobenzene (PID)			*103 %*	*72-148*		*02/13/18*	*8021B*		MS
Petroleum Hydrocarbons by GC FID									
GRO C6-C10*	<10.0	10.0	3.53	mg/kg	1	02/14/18	8015B		MS
DRO >C10-C28*	**211**	10.0	2.04	mg/kg	1	02/14/18	8015B		MS
EXT DRO >C28-C36	**35.7**	10.0	2.04	mg/kg	1	02/14/18	8015B		MS
Surrogate: 1-Chlorooctane			*95.3 %*	*41-142*		*02/14/18*	*8015B*		MS
Surrogate: 1-Chlorooctadecane			*105 %*	*37.6-147*		*02/14/18*	*8015B*		MS

Green Analytical Laboratories

Debbie Zufelt

Debbie Zufelt, Reports Manager

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DJR Operating	Project: BTEX,TPH, Cl	
#20 CR 5060	Project Name / Number: [none]	**Reported:**
Bloomfield NM, 87413	Project Manager: Amy Archuleta	02/15/18 16:30

Marcus A-15 #3 Tank/WH

1802084-03 (Solid)

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
General Chemistry									
% Dry Solids	**89.2**			%	1	02/15/18	EPA160.3/1684		LLG
Soluble (DI Water Extraction)									
Chloride	**167**	11.2	1.61	mg/kg dry	10	02/15/18	EPA300.0		JDA
Subcontracted – **Cardinal Laboratories**									
Volatile Organic Compounds by EPA Method 8021									
Benzene*	<0.050	0.050	0.002	mg/kg	50	02/13/18	8021B		MS
Toluene*	<0.050	0.050	0.002	mg/kg	50	02/13/18	8021B		MS
Ethylbenzene*	<0.050	0.050	0.004	mg/kg	50	02/13/18	8021B		MS
Total Xylenes*	<0.150	0.150	0.010	mg/kg	50	02/13/18	8021B		MS
Total BTEX	<0.300	0.300	0.018	mg/kg	50	02/13/18	8021B		MS
Surrogate: 4-Bromofluorobenzene (PID)			*103 %*	*72-148*		*02/13/18*	*8021B*		MS
Petroleum Hydrocarbons by GC FID									
GRO C6-C10*	<10.0	10.0	3.53	mg/kg	1	02/14/18	8015B		MS
DRO >C10-C28*	**37.2**	10.0	2.04	mg/kg	1	02/14/18	8015B		MS
EXT DRO >C28-C36	<10.0	10.0	2.04	mg/kg	1	02/14/18	8015B		MS
Surrogate: 1-Chlorooctane			*93.3 %*	*41-142*		*02/14/18*	*8015B*		MS
Surrogate: 1-Chlorooctadecane			*99.0 %*	*37.6-147*		*02/14/18*	*8015B*		MS

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DJR Operating	Project: BTEX,TPH, Cl	
#20 CR 5060	Project Name / Number: [none]	**Reported:**
Bloomfield NM, 87413	Project Manager: Amy Archuleta	02/15/18 16:30

General Chemistry - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B802093 - General Prep - Wet Chem										
Duplicate (B802093-DUP1)	**Source: 1802027-01**		Prepared: 02/13/18 Analyzed: 02/15/18							
% Dry Solids	91.2		%		91.6			0.384	20	

Soluble (DI Water Extraction) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B802095 - General Prep - Wet Chem										
Blank (B802095-BLK1)			Prepared: 02/13/18 Analyzed: 02/15/18							
Chloride	ND	1.00	mg/kg wet							
LCS (B802095-BS1)			Prepared: 02/13/18 Analyzed: 02/15/18							
Chloride	241	10.0	mg/kg wet	250		96.4	85-115			
LCS Dup (B802095-BSD1)			Prepared: 02/13/18 Analyzed: 02/15/18							
Chloride	240	10.0	mg/kg wet	250		96.1	85-115	0.274	20	

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DJR Operating	Project: BTEX,TPH, Cl	
#20 CR 5060	Project Name / Number: [none]	**Reported:**
Bloomfield NM, 87413	Project Manager: Amy Archuleta	02/15/18 16:30

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 8021307 - Volatiles										
Blank (8021307-BLK1)			Prepared & Analyzed: 02/13/18							
Surrogate: 4-Bromofluorobenzene (PID)	*0.106*		mg/kg	*0.100*		*106*	*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 (8021307-BS1)			Prepared & Analyzed: 02/13/18							
Surrogate: 4-Bromofluorobenzene (PID)	*0.104*		mg/kg	*0.100*		*104*	*72-148*			
Benzene	2.11	0.050	mg/kg	2.00		105	79.5-124			
Ethylbenzene	2.01	0.050	mg/kg	2.00		100	77.7-125			
Toluene	2.05	0.050	mg/kg	2.00		103	75.5-127			
Total Xylenes	6.09	0.150	mg/kg	6.00		101	70.9-124			
LCS Dup (8021307-BSD1)			Prepared & Analyzed: 02/13/18							
Surrogate: 4-Bromofluorobenzene (PID)	*0.103*		mg/kg	*0.100*		*103*	*72-148*			
Benzene	1.84	0.050	mg/kg	2.00		92.0	79.5-124	13.5	6.5	QR-02
Ethylbenzene	1.78	0.050	mg/kg	2.00		89.2	77.7-125	11.8	7.83	QR-02
Toluene	1.81	0.050	mg/kg	2.00		90.7	75.5-127	12.3	7.02	QR-02
Total Xylenes	5.40	0.150	mg/kg	6.00		90.0	70.9-124	12.0	7.78	QR-02

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DJR Operating	Project: BTEX,TPH, Cl	
#20 CR 5060	Project Name / Number: [none]	**Reported:**
Bloomfield NM, 87413	Project Manager: Amy Archuleta	02/15/18 16:30

Petroleum Hydrocarbons by GC FID - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8021302 - General Prep - Organics										
Blank (8021302-BLK1)				Prepared & Analyzed: 02/13/18						
Surrogate: 1-Chlorooctadecane	*52.5*		mg/kg	*50.0*		*105*	*37.6-147*			
Surrogate: 1-Chlorooctane	*52.0*		mg/kg	*50.0*		*104*	*41-142*			
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 (8021302-BS1)				Prepared & Analyzed: 02/13/18						
Surrogate: 1-Chlorooctadecane	*47.2*		mg/kg	*50.0*		*94.5*	*37.6-147*			
Surrogate: 1-Chlorooctane	*46.9*		mg/kg	*50.0*		*93.8*	*41-142*			
DRO >C10-C28	215	10.0	mg/kg	200		108	72.9-138			
GRO C6-C10	212	10.0	mg/kg	200		106	76.5-133			
Total TPH C6-C28	427	10.0	mg/kg	400		107	78-132			
LCS Dup (8021302-BSD1)				Prepared & Analyzed: 02/13/18						
Surrogate: 1-Chlorooctadecane	*46.6*		mg/kg	*50.0*		*93.2*	*37.6-147*			
Surrogate: 1-Chlorooctane	*46.8*		mg/kg	*50.0*		*93.6*	*41-142*			
DRO >C10-C28	210	10.0	mg/kg	200		105	72.9-138	2.66	20.6	
GRO C6-C10	208	10.0	mg/kg	200		104	76.5-133	1.83	20.6	
Total TPH C6-C28	418	10.0	mg/kg	400		104	78-132	2.25	18	

Green Analytical Laboratories

Debbie Zufelt

Debbie Zufelt, Reports Manager

Green Analytical Laboratories
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, Cl	
#20 CR 5060	Project Name / Number: [none]	**Reported:**
Bloomfield NM, 87413	Project Manager: Amy Archuleta	02/15/18 16:30

Notes and Definitions

QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
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

Debbie Zufelt, Reports Manager

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

GREEN Analytical Laboratories
(970) 247-4220
Fax: (970) 247-4227
service@greenanalytical.com or dzufelt@greenanalytical.com
75 Suttle St Durango, CO 81303

Company or Client: DSR Operating	Bill to (if different):
Address: PO Box 156	P.O. #:
City: Bloomfield State: NM Zip: 87413	Company:
Phone #: 505-320-6917	Attn:
Contact Person: Amy Archuleta	Address:
Email Report to: aarchuleta@dsrllc.com	City:
Project Name(optional):	State: Zip:
	Phone #:
Sampler Name (Print): Amy Archuleta	Email:

For Lab Use	Sample Name or Location	Collected Date	Collected Time	Matrix (check one)	# of containers	TPH 8015	BTEX 8021	Chlorides
1802-084-01	Marcus A-15 #1 E/S	2/8/18	10:00am	SOIL X		X	X	X
-02	Marcus A-15 #2 Center	2/8/18	10:00am	SOIL X		X	X	X
-03	Marcus A-15 #3 Tank/WH	2/8/18	10:00am	SOIL X		X	X	X

Matrix columns: GROUNDWATER, SURFACEWATER, WASTEWATER, PRODUCEDWATER, SOIL, DRINKING WATER, OTHER:
# of containers columns: No preservation (general), HNO_3, HCl, H_2SO_4, Other:, Other:

Relinquished By:	Date / Time	Received By:
[signature]	Date: 2/8/18 Time: 1305	[signature] Christine Clau
Relinquished By: [signature] Christine Clau	Date: 2/8/18 Time: 1655	Received By: Kangaroo Express
Relinquished By: Kangaroo	Date: 2-9-18 Time: 0845	Received By: Debbie Zufelt
Relinquished By:	Date: Time:	Received By:

ADDITIONAL REMARKS: DGO #1 only 2.3/2.1°C CC

Temperature at receipt: 11.4°C (corrected) CHECKED BY: CL

Report to State? (Circle) Yes No

Add Rush Due 2/15/18 DG per Amy A.

† GAL cannot always accept verbal changes. Please fax or email written change requests.
* Chain of Custody must be signed in "Reliquished By:" as an acceptance of services and all applicable charges.

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, 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 Mexi
Energy Minerals and Natural
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-138
*Surface Waste Management Facility Operator and Generator shall maintain and make this documentation available for Division inspection.

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. **Generator Name and Address:**
DJR Operating, LLC PO Box 156 Bloomfield, NM 87413

2. **Originating Site:**
Marcus A 15 30-039-24065

3. **Location of Material (Street Address, City, State or ULSTR):**
NWNW Sec.1-T23N-R07W

4. **Source and Description of Waste:**
Contaminated dirt from below ground tank closure containing iron sulfites and hydrocarbons.

Estimated Volume 15 yd³ / bbls Known Volume (to be entered by the operator at the end of the haul) _____ yd³ / bbls

5. **GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS**

I, Cindy Sikes, representative or authorized agent for DJR Operating, LLC do hereby
Generator Signature

certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: (Check the appropriate classification)

☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste. ***Operator Use Only: Waste Acceptance Frequency*** ☒ ***Monthly*** ☐ ***Weekly*** ☐ ***Per Load***

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items)

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description in Box 4)

GENERATOR 19.15.36.15 WASTE TESTING CERTIFICATION STATEMENT FOR LANDFARMS

I, Cindy Sikes, representative for DJR Operating, LLC authorize IEI to
Generator Signature

complete the required testing/sign the Generator Waste Testing Certification.

I, Stacy Alonzo, representative for IEI do hereby certify that
Representative/Agent Signature

Representative samples of the oil field waste have been subjected to the paint filter test and tested for chloride content and that the samples have been found to conform to the specific requirements applicable to landfarms pursuant to Section 15 of 19.15.36 NMAC. The results of the representative samples are attached to demonstrate the above-described waste conform to the requirements of Section 15 of 19.15.36 NMAC.

6. **Transporter:** Calder Services

OCD Permitted Surface Waste Management Facility

Name and Facility Permit #: **JFJ Land farm/Industrial Ecosystems, Inc. * Permit #: NM 01-0010B**

Address of Facility: **49 CR 3150 Aztec, NM 87410**

CL -> 128
PH-7

Method of Treatment and/or Disposal:

☐ Evaporation ☐ Injection ☐ Treating Plant ☒ Landfarm ☐ Landfill ☐ Other

Waste Acceptance Status:

☒ **APPROVED** ☐ **DENIED** (Must Be Maintained As Permanent Record)

PRINT NAME: Stacy Alonzo TITLE: Clerk DATE: 3/8/18

SIGNATURE: Stacy Alonzo TELEPHONE NO.: 632-1782
Surface Waste Management Facility Authorized Agent

3/8/16


Marcus A 15
API: 30-039-24065
"D" Sec 1-T23N-R07W
Lat: 36.258919 Long: -107.533752
Rio Arriba County, NM
310SG
03/08/2018 11:24


Marcus A15
API: 30-039-24065
"D" Sec 1-T23N-R07W
Lat: 36.258919 Long: -107.533752
Rio Arriba County, NM
03/08/2018 12:03