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

DENIED

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: _1 Road 3263, Aztec, NM 87410_____
Facility or well name: __Jicarilla Apache Tribal 122 2_____
API Number: __30-039-22927_____ OCD Permit Number: _____
U/L or Qtr/Qtr ____P_____ Section ___04_____ Township ___25N_____ Range __04W_____ County: ___Rio Arriba_____
Center of Proposed Design: Latitude __36.423807_____ Longitude _-107.368217_____ NAD83
Surface Owner: ☐ Federal ☐ State ☐ Private ☒ Tribal Trust or Indian Allotment

2.
☐ **Pit:** Subsection F, G or J of 19.15.17.11 NMAC

No Notification to Land Owner/OCD attached,
Operator did not certify liquids, excessive equipment was removeed soil cover, etc.

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: _____Unknown_____bbl Type of fluid: _____
Tank Construction material: ____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_____

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: DENIED **Approval Date:** _____

Title: _____ **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:____4/8/2020_____**

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 __36.423807_____ Longitude _-107.251646_____ 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): _Larissa Farrell_____ Title: ___Regulatory Specialist_____

Signature:_____ Date: ___6/1/2020_____

e-mail address:_lfarrelldjrllc.com_____ Telephone: __505-444-0289_____

envirotech

April 21, 2020

Project #17035-0129
NMOCD Incident # nCS1932436155

Ms. Larissa Farrell
DJR Operating, LLC
1 Road 3263
Aztec, New Mexico 87410

Phone:(505) 632-3476
E-mail: lfarrell@djrllc.com

RE: BGT Closure and Release Closure Report for the Jicarilla 122-2 Well Site Located in Section 4, Township 25N, Range 4W, San Juan County New Mexico

Dear Ms. Farrell:

Envirotech, Inc. (Envirotech) of Farmington, New Mexico, was contracted by DJR Operating, LLC (DJR) to provide sampling activities for the closure of a below grade tank (BGT) at the Jicarilla 122-2 well site (API: 30-039-22927) located within Section 4, Township 25 North, Range 4 West in San Juan County, New Mexico; see **Figure 1, *Vicinity Map.***

On October 8, 2019, DJR personnel removed the BGT and Envirotech personnel collected a five-point composite confirmation soil sample from beneath the former location of the BGT. BGT removal and sampling activities were witnessed by Mr. Hobson Sandoval, Jicarilla Apache Nation Oil and Gas (JOGA) representative.

BGT Closure Confirmation Laboratory Analysis

The soil sample was placed into individual laboratory provided 4-ounce jars, capped head space free, and transported on ice to Envirotech Analytical Laboratory. The soil sample was analyzed for contaminants of concern identified in the table below. Soil sample locations are illustrated in **Figure 2, *Site Map*** and in the attached ***Site Photography.***

Based on the C-144 received by the New Mexico Oil Conservation Division (NMOCD) on January 21, 2009, the following closure criteria from *19.15.17.13 NMAC* were applied:

Constituent	Method	Limit
Chloride	EPA 300.0	250 mg/kg
Total Petroleum Hydrocarbons (TPH)	EPA Method 8015D	100 mg/kg
Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX)	EPA Method 8021B	50 mg/kg
Benzene	EPA Method 8021B	0.2 mg/kg

Based on the laboratory analytical results, TPH as diesel and oil range organics (DRO and ORO) was above the applicable NMOCD and Jicarilla Oil and Gas Administration (JOGA) BGT Closure Criteria, see **Table 1, *Summary of Soil Analytical Results***. Therefore, a release notification per *19.15.29.10 NMAC* was submitted to NMOCD and JOGA on November 6, 2020.

Remediation Excavation Monitoring and Sampling

DJR contracted roustabout personnel proceed with the remediation excavation activities.
A competent sandstone base was encountered at 5 feet below ground surface (bgs). Envirotech personnel was requested to return to the site on November 4, 2019 to collect soil samples of the excavation in order to guide and direct the remediation efforts. The excavation measured 40 feet by 49 feet by 5 feet in depth. One five-point composite sample was collected from the base of the excavation and each of the walls. Soil samples were placed into individual laboratory provided 4-ounce jars, capped head space free, and transported on ice to Envirotech Analytical Laboratory.

The soil samples were compared to the release closure criteria provided in *19.15.29.12 NMAC.* Based on the enclosed ***Siting Criteria Documentation,*** the following NMOCD release closure criteria from *Table 1: Closure Criteria for Soils Impacted by a Release* were applied:

Depth to Groundwater	Constituent	Method	Limit
>100 feet	Chloride	EPA 300.0	20,000 mg/kg
	TPH	EPA Method 8015D	2,500 mg/kg
	Gasoline + Diesel Range Organics (GRO+DRO)	EPA Method 8015D	1,000 mg/kg
	BTEX	EPA Method 8021B	50 mg/kg
	Benzene	EPA Method 8021B	10 mg/kg

Based on laboratory analytical results, the concentrations of contaminants of concern were above the applicable release closure criteria and required further remediation actions*; see* **Table 1, *Summary of Soil Analytical Results.***

BGT Release Closure Confirmation Laboratory Analysis

Due to inclement winter weather, DJR was not able to return to the site to continue the remediation excavation until March 2020. DJR maintained communication with JOGA on the status of the remediation throughout the standby time.

Envirotech personnel retuned to the site on March 25, 2020, to perform confirmation soil sampling activities. Mr. Richard Graves, DJR representative, was on-site to witness sampling activities. Five 5-point composite samples were collected from the excavation with final measurements being

50 feet by 40 feet by 5 feet in depth. One five-point composite sample was collected from the base of the excavation and each of the walls. Soil samples were placed into individual laboratory provided 4-ounce jars, capped head space free, and transported on ice to Envirotech Analytical Laboratory.

The soil samples were analyzed for contaminants of concern identified in the table above. Soil sample locations are illustrated in **Figure 2, *Site Map*** and in the attached ***Site Photography.***

Based on the final laboratory analytical results, all contaminants of concern were below the applicable NMOCD and JOGA closure criteria except for DRO in the base sample, which returned results of 1,320 mg/kg; *see* **Table 1, *Summary of Soil Analytical Results.***

Potassium Permanganate Application

On April 1, 2020, Envirotech returned to the site to apply a potassium permanganate solution to the competent sandstone base of the excavation. The potassium permanganate application will aid in the situ remediation of the residual hydrocarbons. The application of the potassium permanganate solution was approved by JOGA representatives prior to application.

After the application of the potassium permanganate solution, DJR personnel backfilled the excavation with clean backfill and recontoured the area to match pre-existing conditions on April 7, 2020. The area was reseeded on April 8, 2020, with the approved Jicarilla Mesa seed mixture. Potassium permanganate application and backfilling activities are documented in the attached ***Site Photography.***

Summary and Conclusions

On March 25, 2020, Envirotech personnel completed confirmation sampling of the remediation excavation that was completed as a result of the removal and closure of a BGT at the Jicarilla 122-2 well site. On March 31, 2020, JOGA representatives approved the closure to *Table 1: Closure Criteria for Soils Impacted by a Release* and the application of potassium permanganate to aid in-situ bioremediation. Envirotech personnel returned to the site on April 1, 2020, to perform potassium permanganate application activities. Based on the analytical results, Envirotech recommends requesting a ***No Further Action*** status from the NMOCD and JOGA regarding the BGT closure and subsequent release investigation.

Statement of Limitations

The work and services provided were in accordance with NMOCD and JOGA standards. All observations and conclusions provided here are based on the information and current site conditions found at the subject well site. This work has been conducted and reported in accordance

with generally accepted professional practices in geology, engineering, environmental chemistry, and hydrogeology.

We appreciate the opportunity to be of service. If you have any questions or require additional information, please contact our office at (505) 632-0615.

Respectfully submitted,
ENVIROTECH, INC.

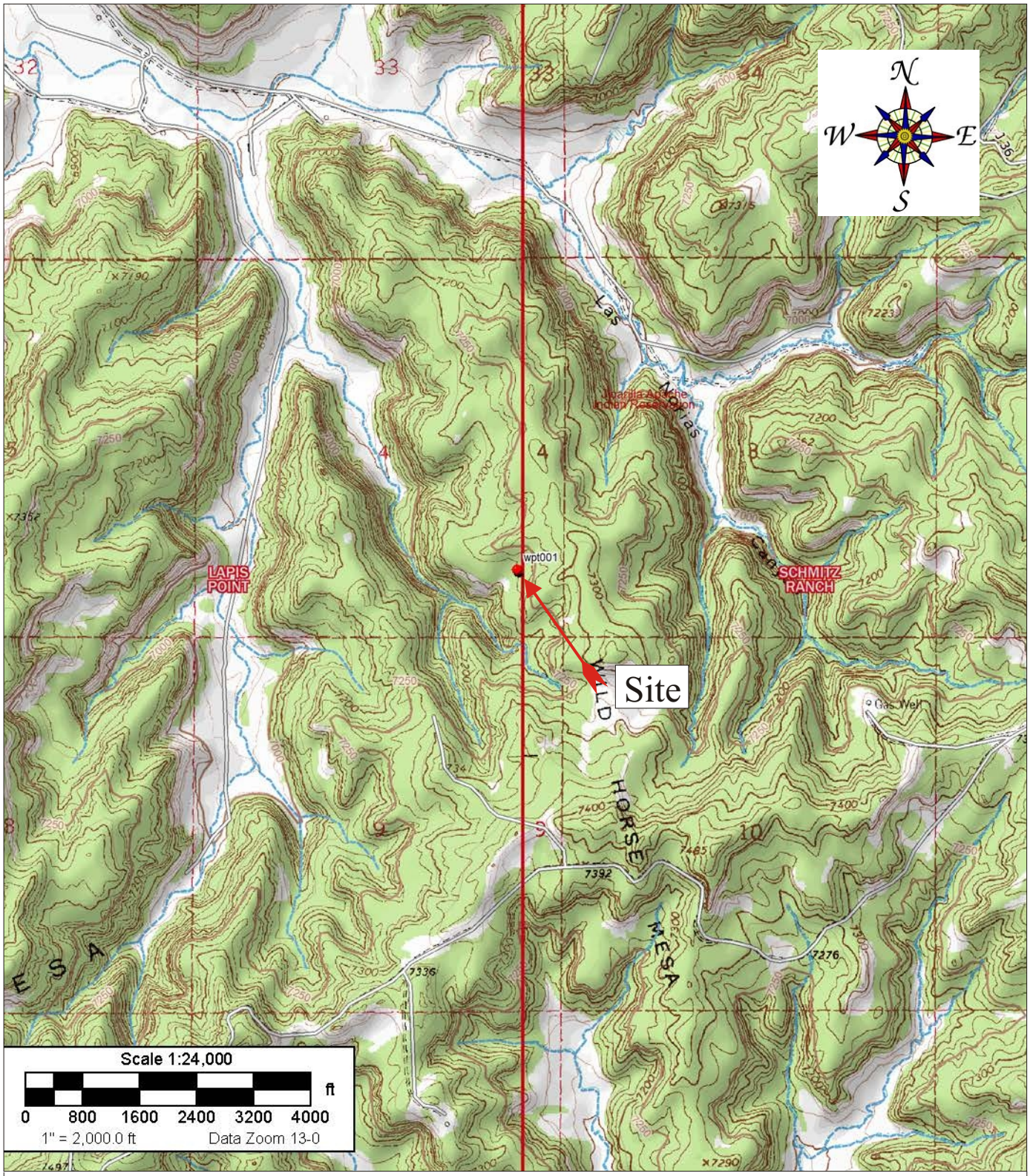
Brittany Hall
Environmental Field Technician
bhall@envirotech-inc.com

Reviewed by:

Felipe Aragon, CHMM, CES
Environmental Assistant Manager
faragon@envirotech-inc.com

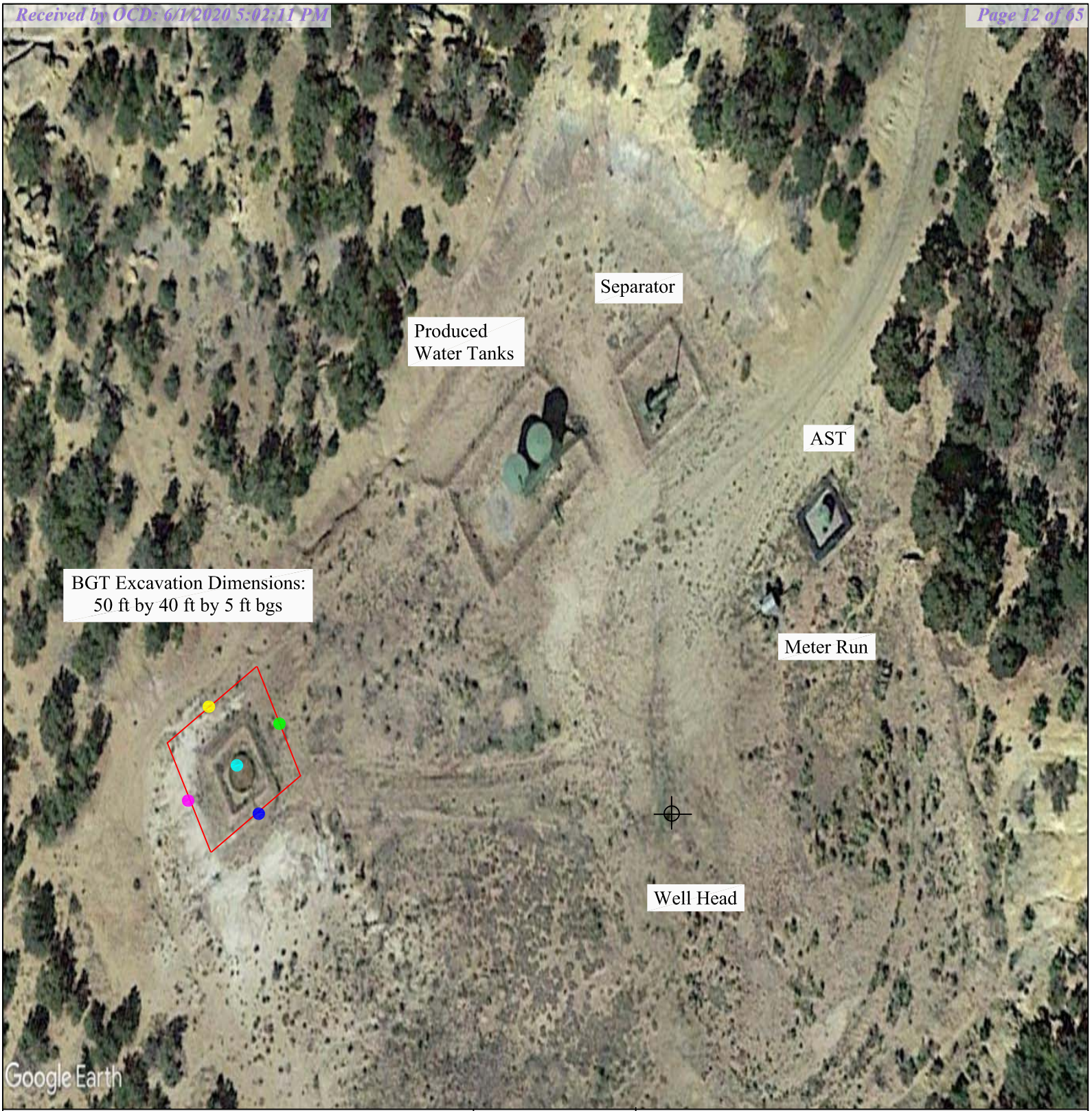
Enclosures:
Figure 1, *Vicinity Map*
Figure 2, *Site Map*
Site Photography
Table 1, *Summary of Soil Analytical Results*
Laboratory Analytical Report

Cc: Client File 17035



Source: 7.5 Minute, Lapis Point, New Mexico U.S.G.S. Topographic Quadrangle Map
Scale: 1:24,000 1" = 2,000

DJR Operating, LLC Jicarilla 122-2 Well Site API: 30-039-22927 Section 4, Township 25N, Range 4W Rio Arriba County, New Mexico 36.42384, -107.25091 Incident # nCS1932436155	envirotech ENVIRONMENTAL SCIENTISTS & ENGINEERS 5796 U.S. HIGHWAY 64 Farmington, New Mexico 87401 505.632.0615	Vicinity Map Figure #1	
Project Number: 17035-0129 / Date Drawn: 4/15/2020		DRAWN BY: Brittany Hall	PROJECT MANAGER: Felipe Aragon



Legend

- North Wall
- East Wall
- South Wall
- West Wall
- Base
- Excavation

Sampling point represents a 5-point composite sample

N

MAP DRAWN BY: CJG 10/10/2019

REVISIONS BY: BAH 4/15/2020

APPROVED BY: FRA 4/17/2020

1"=60'

0 15 30 60

Figure 2, Site Map

DJR Operating
Jicarilla 122-2 Well Site
API: 30-039-22927
Section 4, Township 25N, Range 4W
Rio Arriba County, New Mexico
36.42384, -107.25091
Project #17035-0129
Incident #nCS1932436155

envirotech
5796 U.S. HIGHWAY 64, FARMINGTON, NM 87401 505-632-0615

SITE PHOTOGRAPHY
DJR OPERATING
JICARILLA APACHE 122-2
SECTION 4, TOWNSHIP 25N, RANGE 4W
RIO ARRIBA COUNTY, NEW MEXICO
PROJECT # 17035-0129
INCIDENT #NCS1932436155

October 8, 2019

Picture 1: Well Site Sign


Picture 2: Sample Points Below BGT

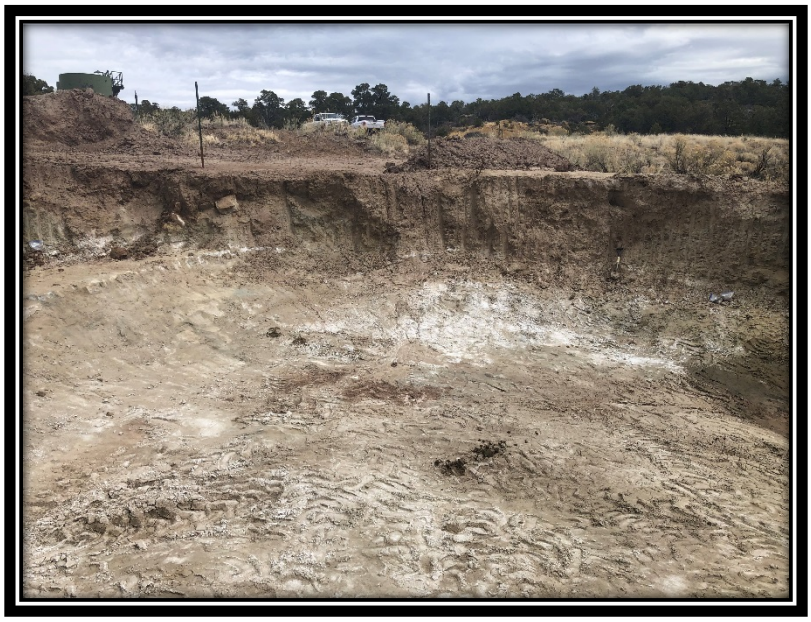
SITE PHOTOGRAPHY
DJR OPERATING
JICARILLA APACHE 122-2
SECTION 4, TOWNSHIP 25N, RANGE 4W
RIO ARRIBA COUNTY, NEW MEXICO
PROJECT # 17035-0129
INCIDENT #NCS1932436155

March 25, 2020

Picture 3: View of Excavation West Wall

Picture 4: View of Excavation North Wall

SITE PHOTOGRAPHY
DJR OPERATING
JICARILLA APACHE 122-2
SECTION 4, TOWNSHIP 25N, RANGE 4W
RIO ARRIBA COUNTY, NEW MEXICO
PROJECT # 17035-0129
INCIDENT #NCS1932436155

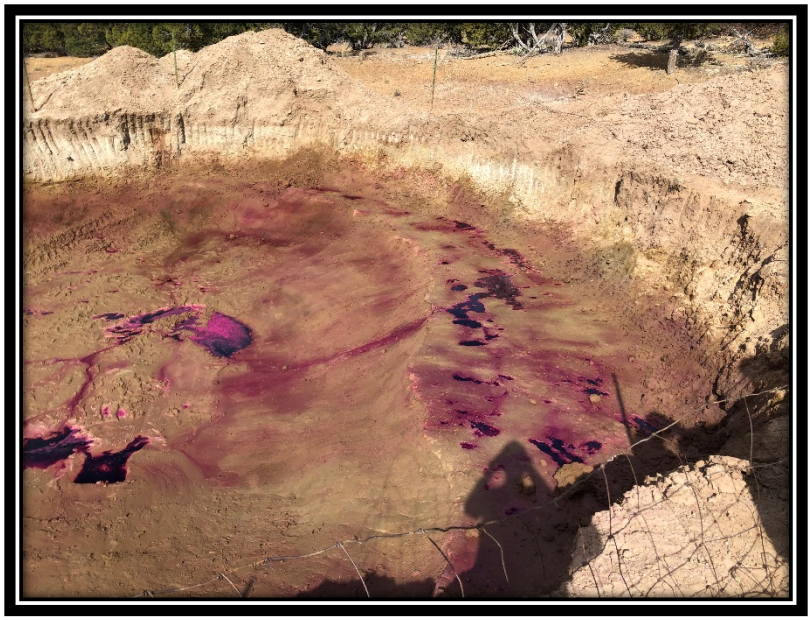


Picture 5: View of Excavation East Wall

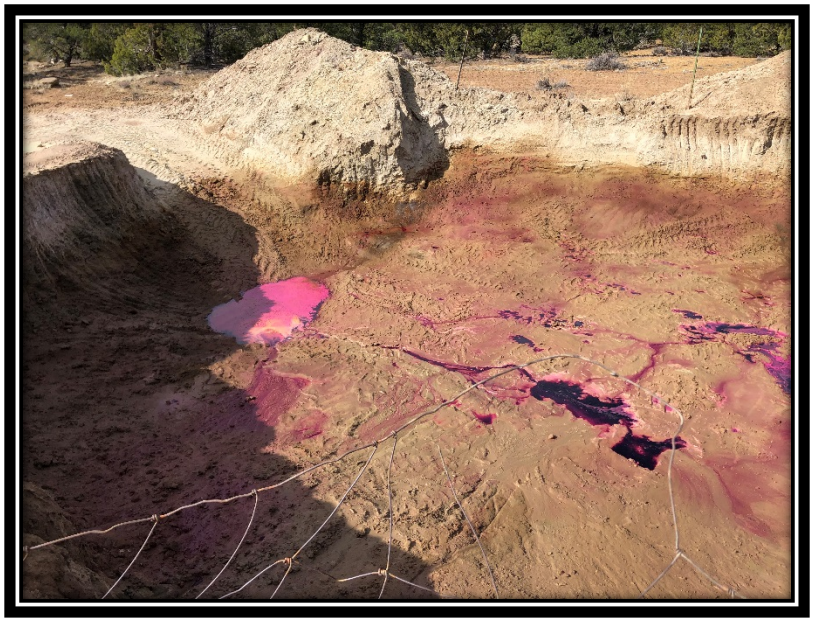
Picture 6: View of Excavation South Wall

SITE PHOTOGRAPHY
DJR OPERATING
JICARILLA APACHE 122-2
SECTION 4, TOWNSHIP 25N, RANGE 4W
RIO ARRIBA COUNTY, NEW MEXICO
PROJECT # 17035-0129
INCIDENT #NCS1932436155

April 1, 2020



Picture 7: Potassium Permanganate Application (North)



Picture 8: Potassium Permanganate Application (South)

SITE PHOTOGRAPHY
DJR OPERATING
JICARILLA APACHE 122-2
SECTION 4, TOWNSHIP 25N, RANGE 4W
RIO ARRIBA COUNTY, NEW MEXICO
PROJECT # 17035-0129
INCIDENT #NCS1932436155
April 7, 2020

Picture 9: View of Backfilled and Recontoured Area (View 1)

Picture 10: View of Backfilled and Recontoured Area (View 2)

CLIENT: DJR LLC
CLIENT/JOB #: 17035-0129
START DATE: 10/8/19
FINISH DATE:
Page # ____ of ____

envirotech
(505) 632-0615 (800) 362-1879
5796 U.S. Hwy 64, Farmington, NM 87401

Environmental Specialist: PC
LAT: 36.423844
LONG: -107.250917

FIELD REPORT: BELOW GROUND TANK VERIFICATION

LOCATION NAME: Jicarilla apache tr. 091 WELL #: 122 Temp Pit: ____ PERM Pit: ____
QUAD/UNIT: D SEC: 4 TWP: 25N RNG: 4W PM:
QTR/FOOTAGE: CNTY: Rio Arriba ST: New mexico

Excavation Approx: ~15 Feet X ~15 Feet X ~4 Feet Deep ____ Cubic Yardage: ____
Disposal Facility: ____ Remediation Method: ____
Land Owner: Indian API: 30-039-~~20259~~ 22927 Pit Volume:
Construction Material: Steel Double Walled, With Leak Detection:

____ Temporary Pit Closure : NMAC 19.15.17 Table II (Pemitted after 6/28/2013)
____ BGT Closure: NMAC 19.15.17 Table I (Pemitted after 6/28/2013)
____ BGT Closure: BENZENE ≤ 0.2 mg/kg, BTEX ≤ 50 mg/kg, TPH (418.1) ≤ 100 mg/kg, CHLORIDES ≤ 250 mg/kg (Pemitted before 6/28/2013)

FIELD 418.1 ANLAYSIS

SAMPLE DESCRIPTION	TIME	SAMPLE ID	LAB #	WEIGHT	mL FREON	DILUTION	READING	CALC. (mg/kg)

PID RESULTS

SAMPLE ID	RESULTS (mg/kdg)

FIELD CHLORIDES RESULTS

SAMPLE ID	READING	CALC. (mg/kg)

SAMPLE ID	ANALYSIS	US EPA
Composite	BENZENE	8021B/8015
	BTEX	8021B/80260B
composite	GRO & DRO	8015
Composite	CHLORIDES	EPA300
	TPH	418.1

SITE PERIMETER

on back

SAMPLE PROFILE

Damon Carter
Analyst Signature

Damon Carter
Printed Name

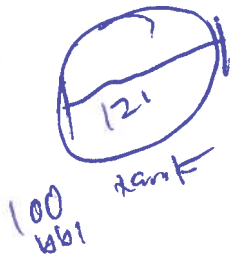
NOTES: DJR representative, field crew on site
Hokon with EPA on site

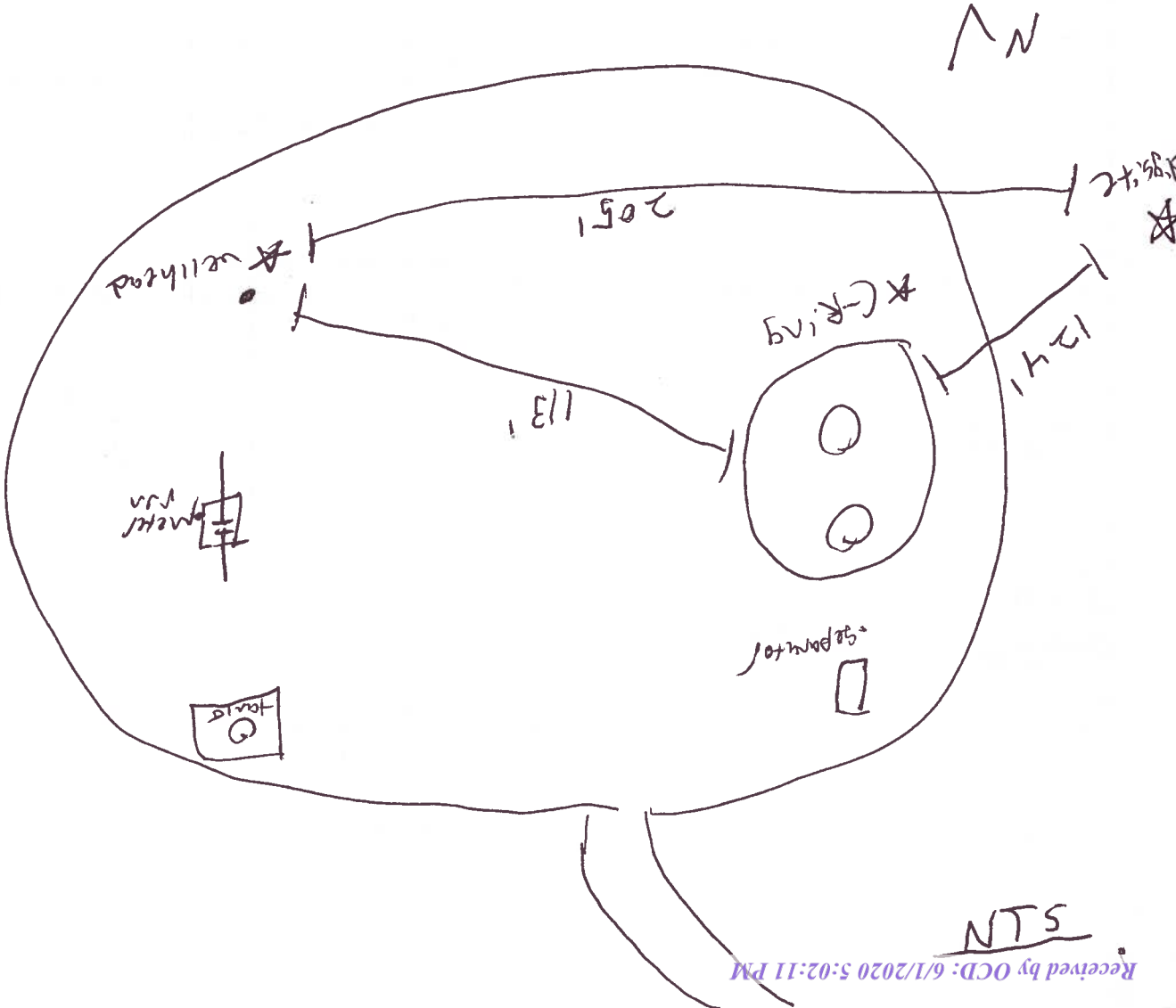
WO #: Who ordered/Site Rep.:

wellhead to dig site - 205'

C-ring to dig site - 124'

C-ring to wellhead - 113'





CLIENT: DJR LLC
CLIENT/JOB #: 17039-0129
START DATE: 11/4/19
FINISH DATE:
Page # _____ of _____

envirotech
(505) 632-0615 (800) 362-1879
5796 U.S. Hwy 64, Farmington, NM 87401

Environmental Specialist: DU
LAT: 36.423844
LONG: -107.250917

FIELD REPORT: BELOW GROUND TANK VERIFICATION

LOCATION NAME: J. Cantilla Apache M. #041 WELL #: 122-2 Temp Pit: _____ PERM Pit: _____
QUAD/UNIT: D SEC: 4 TWP: 25N RNG: 4W PM:
QTR/FOOTAGE: CNTY: Rio Arriba ST: New Mexico

Excavation Approx: 40 Feet X 49 Feet X 5 Feet Deep _____ Cubic Yardage: _____
Disposal Facility: _____ Remediation Method: _____
Land Owner: _____ API: Pit Volume:
Construction Material: Double Walled, With Leak Detection:

_____ Temporary Pit Closure : NMAC 19.15.17 Table II (Pemitted after 6/28/2013)
_____ BGT Closure: NMAC 19.15.17 Table I (Pemitted after 6/28/2013)
BGT Closure: BENZENE ≤ 0.2 mg/kg, BTEX ≤ 50 mg/kg, TPH (418.1) ≤ 100 mg/kg, CHLORIDES ≤ 250 mg/kg (Pemitted before 6/28/2013)

FIELD 418.1 ANLAYSIS

SAMPLE DESCRIPTION	TIME	SAMPLE ID	LAB #	WEIGHT	mL FREON	DILUTION	READING	CALC. (mg/kg)

PID RESULTS

SAMPLE ID	RESULTS (mg/kdg)

FIELD CHLORIDES RESULTS

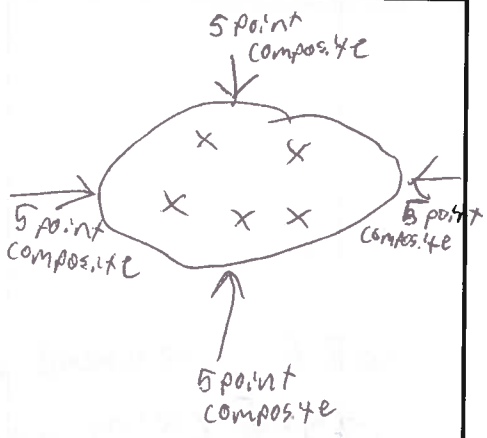
SAMPLE ID	READING	CALC. (mg/kg)

SAMPLE ID	ANALYSIS	US EPA
	BENZENE	8021B/8015
	BTEX	8021B/80260B
	GRO & DRO	8015
	CHLORIDES	EPA300
	TPH	418.1

SITE PERIMETER

on back

SAMPLE PROFILE

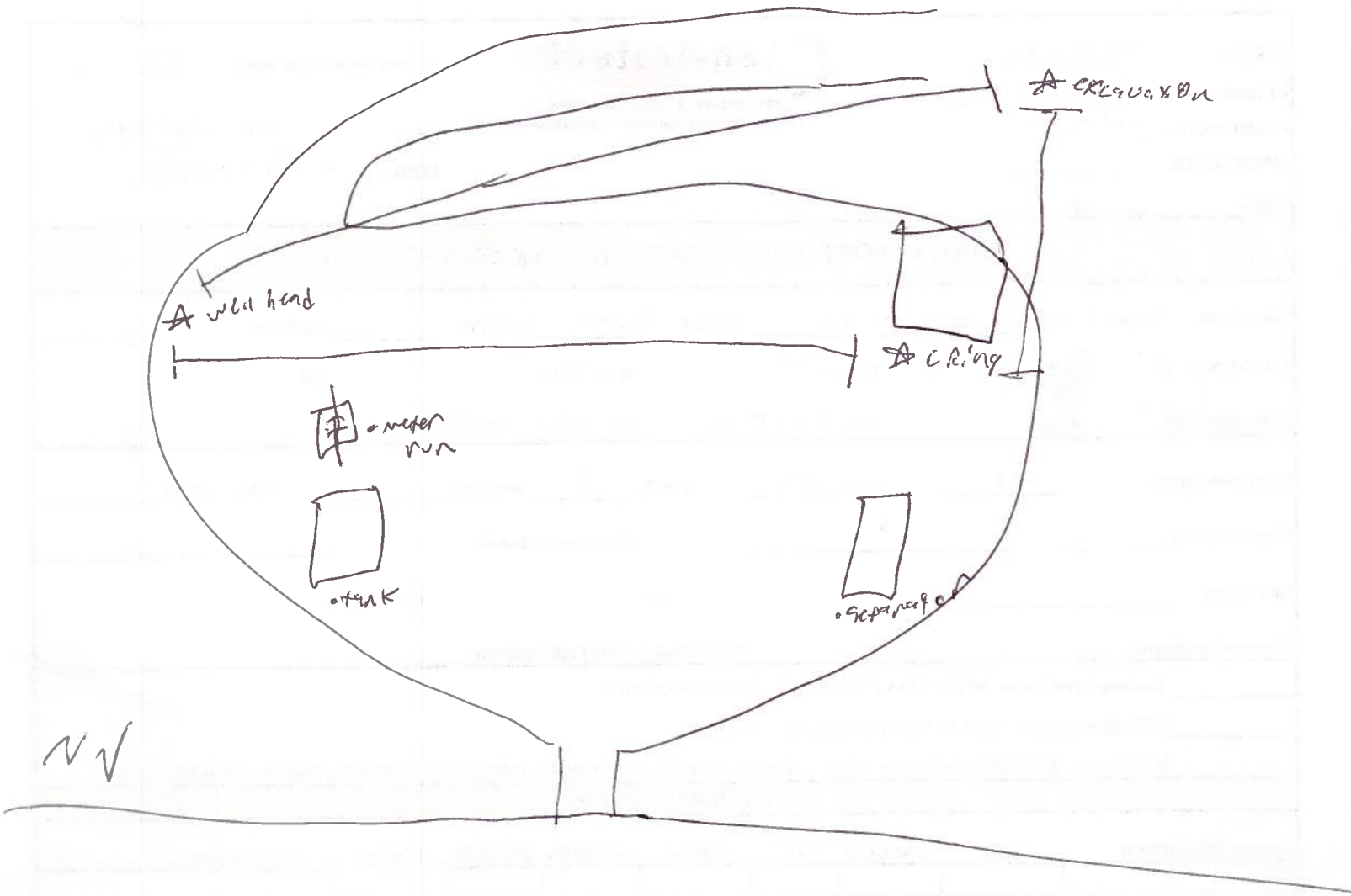


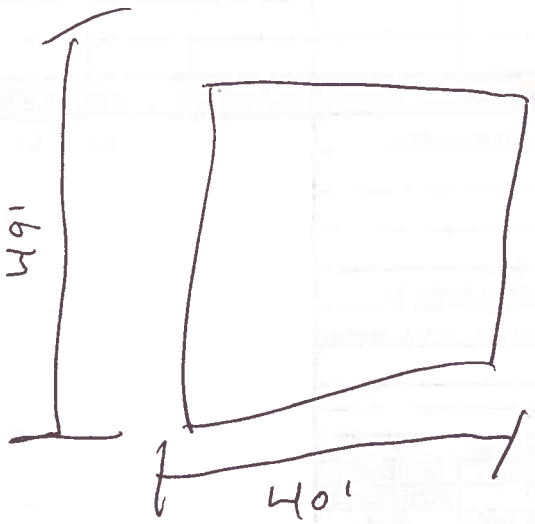
Damon Carter
Analyst Signature

Damon Carter
Printed Name

NOTES: 2 DJR representatives on site
Hobson with EPA on site

WO #: Who ordered/Site Rep.:





103.6 wellhead to CR'ing

124.6 CR'ing to excavation

190.7 excavation to wellhead

5 ft deep

CLIENT: DJR
CLIENT/JOB #: 17035-0129
START DATE: 3/17/2020
FINISH DATE: 3/25/2020
Page # ____ of ____

envirotech
(505) 632-0615 (800) 362-1879
5796 U.S. Hwy 64, Farmington, NM 87401

Environmental Specialist: BHall
LAT: 36.423844
LONG: -107.250917

FIELD REPORT: BELOW GROUND TANK VERIFICATION

LOCATION NAME: Jicarilla WELL #: 122-2 Temp Pit: ____ PERM Pit: ____
QUAD/UNIT: SEC: 4 TWP: 25N RNG: 4W PM:
QTR/FOOTAGE: CNTY: Rio Arriba ST: NM

Excavation Approx: 40 Feet X 40 Feet X 5 Feet Deep ____ Cubic Yardage: ____
Disposal Facility: ____ Remediation Method: excavation
Land Owner: Jicarilla API: 30-039-22927 Pit Volume: ____
Construction Material: Double Walled, With Leak Detection:

____ Temporary Pit Closure : NMAC 19.15.17 Table II (Pemitted after 6/28/2013)
____ BGT Closure: NMAC 19.15.17 Table I (Pemitted after 6/28/2013)
____ BGT Closure: BENZENE ≤ 0.2 mg/kg, BTEX ≤ 50 mg/kg, TPH (418.1) ≤ 100 mg/kg, CHLORIDES ≤ 250 mg/kg (Pemitted before 6/28/2013)

FIELD 418.1 ANLAYSIS

SAMPLE DESCRIPTION		TIME	SAMPLE ID	LAB #	WEIGHT	mL FREON	DILUTION	READING	CALC. (mg/kg)
west	wall	1204	1		5	20	4	494	1976
North	wall	1206	2		5	20	4	1390	5560
East	Wall	1208	3		5	20	4	644	2576
South	wall	1210	4		5	20	4	161	644

PID RESULTS

SAMPLE ID	RESULTS (mg/kdg)	
1	28.0	
2	0.0	
3	0.0	4-0.0

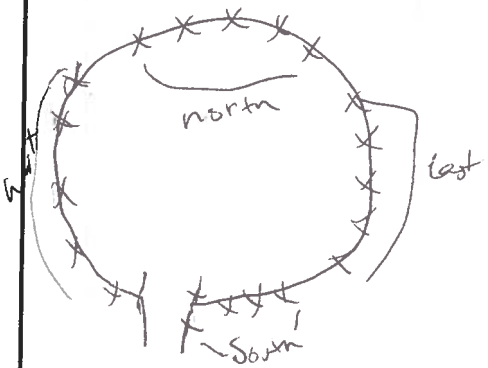
FIELD CHLORIDES RESULTS

SAMPLE ID	READING	CALC. (mg/kg)

SAMPLE ID	ANALYSIS	US EPA
	BENZENE	8021B/8015
	BTEX	8021B/80260B
	GRO & DRO	8015
	CHLORIDES	EPA300
	TPH	418.1

SITE PERIMETER

SAMPLE PROFILE



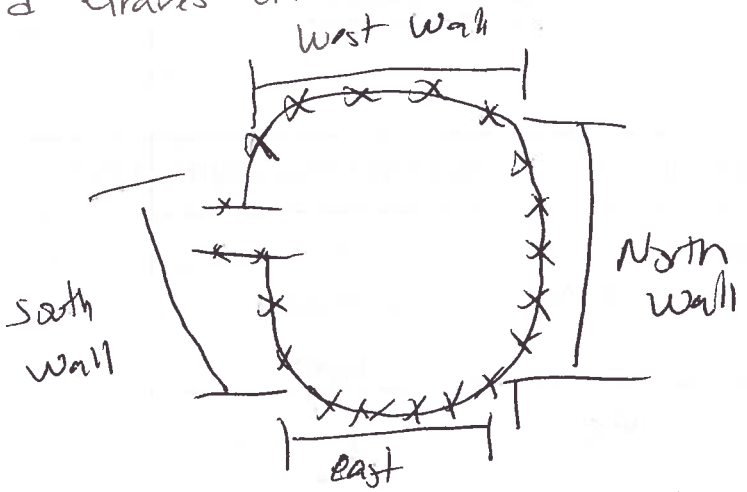
Analyst Signature
Printed Name

NOTES: Confirmation sampling on back
WO #: Who ordered/Site Rep.:

200 standard 1203 - reading 224

March 25, 2020

- no field analysis
- Richard Graves on-site (Vicarilla + Larissa Farrell did not make it)



ex. 50' x 40' x 5' bgs

base is at sandstone bedrock + cannot be excavated further

Site Ranking Criteria

Site Name:	**Jicarilla 122-2**			
API #:	30-039-22927			
Lat/Long:	36.423844, -107.250917			
TRS:	Section 4 T25N R4W			
Land Jurisdiction:	Jicarilla Apache Nation			
County:	Rio Arriba			
Wellhead Protection Area Assessment				
Water Source Type (well/spring/stock pond)	**ID**	**Latitude**	**Longitude**	**Distance**
None				
Distance to Nearest Significant Watercourse				
786.3 ft northeast of tributary of La Norias Canyon				
Depth to Groundwater Determination				
Cathodic Report/Site Specific Hydrogeology	Not available			
Elevation Differential	440 ft higher than La Norias Canyon			
Water Wells	RG 50845 POD1 8ft higher in elevation, DTW=135 ft			
Sensitive Receptor Determination				
<300' of any continuously flowing watercourse or any other significant watercourse				No
<200' of any lakebed, sinkhole or playa lake (measured from the Ordinary High Water Mark)				No
<300' of an occupied permanent residence, school, hospital, institution or church				No
<500' of a spring or private/domestic water well used by <5 households for domestic or stock watering purposes				No
<1000' of any water well or spring				No
Within incorporated municipal boundaries or within a defined municipal fresh water well				No
<300' of a wetland				No
Within the area overlying a subsurface mine				No
Within an unstable area				No
Within a 100-year floodplain				No
DTW Determination	**≤50** ☐	**50-100** ☐	**>100** ☑	
Benzene	**10**	**10**	**10**	
BTEX (mg/kg)	**50**	**50**	**50**	
8015 TPH (GRO/DRO) (mg/kg)	**Not Applicable**	**1,000**	**1,000**	
8015 TPH (GRO/DRO/MRO) (mg/kg)	**100**	**2,500**	**2,500**	
Chlorides (mg/kg)	**600**	**10,000**	**20,000**	

Table 1, Summary of Soil Analytical Results
DJR Operating, LLC
BGT and Release Closure Report
Jicarilla Apache 122-2; API: 30-039-22927
Section 4, Township 25N, Range 4W
Rio Arriba County, New Mexico
Project #17035-0129

Incident #nCS1932436155

Sample Description*	Date	Sample Depth	EPA Method 8015			EPA Method 8021		EPA Method 300.0
			GRO (mg/kg)	DRO (mg/kg)	ORO (mg/kg)	Benzene (mg/kg)	Total BTEX (mg/kg)	Chlorides (mg/kg)
NMOCD BGT Closure Criteria: Table 1 -19.15.17.13 (2008)			*100*			*0.2*	*50*	*250*
BGT Sample	10/8/2019	0.5 feet	<20.0	**4,700**	**3,030**	<0.0250	<0.100	36.3
NMOCD Release Closure Criteria: Table 1 -19.15.29.12			*1,000* *2,500*			*10*	*50*	*10,000*
West Wall	11/4/2019	1-5 feet	<20.0	**11,800**	**6,430**	<0.0250	<0.100	242
North Wall	11/4/2019	1-5 feet	<20.0	**18,000**	**12,000**	<0.0250	<0.100	600
East Wall	11/4/2019	1-5 feet	<20.0	**8,650**	**13,200**	<0.0250	<0.100	1,710
Base	11/4/2019	5 feet	<20.0	2,260	<500	<0.0250	<0.100	560
South Wall	11/4/2019	1-5 feet	<20.0	**2,470**	**2,900**	<0.0250	<0.100	805
West Wall	3/25/2020	1-5 feet	<20.0	311	210	<0.0250	<0.100	532
North Wall	3/25/2020	1-5 feet	<20.0	619	228	<0.0250	<0.100	542
East Wall	3/25/2020	1-5 feet	<20.0	848	291	<0.0250	<0.100	356
Base	3/25/2020	5 feet	<20.0	**1,320**	255	<0.0250	<0.100	330
South Wall	3/25/2020	1-5 feet	<20.0	315	150	<0.0250	<0.100	688

*5-point composite soil sample

Samples used for release closure

BOLD - above applicable regulatory standard

envirotech

Practical Solutions for a Better Tomorrow

envirotech
Analytical Laboratory

Analytical Report

Report Summary

Client: DJR Operating, LLC

Samples Received: 10/8/2019
Job Number: 17035-0129
Work Order: P910027
Project Name/Location: Jicarilla 122-2

Report Reviewed By: _____ Date: 10/15/19

Walter Hinchman, Laboratory Director

NELAP ACCREDITED TNI LABORATORY

Envirotech Inc. certifies the test results meet all requirements of TNI unless footnoted otherwise.
Statement of Data Authenticity: Envirotech, Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.
Envirotech, Inc, holds the Utah TNI certification NM009792018-1 for the data reported.
Envirotech, Inc, holds the Texas TNI certification T104704557-19-2 for the data reported.

envirotech
Analytical Laboratory

DJR Operating, LLC	Project Name:	Jicarilla 122-2	
1 Rd 3263	Project Number:	17035-0129	**Reported:**
Aztec NM, 87410	Project Manager:	Felipe Aragon	10/15/19 14:34

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BGT Sample	P910027-01A	Soil	10/08/19	10/08/19	Glass Jar, 4 oz.
	P910027-01B	Soil	10/08/19	10/08/19	Glass Jar, 4 oz.

envirotech
Analytical Laboratory

DJR Operating, LLC	Project Name:	Jicarilla 122-2	
1 Rd 3263	Project Number:	17035-0129	**Reported:**
Aztec NM, 87410	Project Manager:	Felipe Aragon	10/15/19 14:34

BGT Sample
P910027-01 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	1941027	10/09/19	10/10/19	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	1941027	10/09/19	10/10/19	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	1941027	10/09/19	10/10/19	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	1941027	10/09/19	10/10/19	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	1941027	10/09/19	10/10/19	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	1941027	10/09/19	10/10/19	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*92.6 %*		*50-150*	*1941027*	*10/09/19*	*10/10/19*	*EPA 8021B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	**4700**	50.0	mg/kg	2	1941026	10/09/19	10/09/19	EPA 8015D	
Oil Range Organics (C28-C40)	**3030**	250	mg/kg	5	1941026	10/09/19	10/11/19	EPA 8015D	
Surrogate: n-Nonane		*143 %*		*50-200*	*1941026*	*10/09/19*	*10/09/19*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1941027	10/09/19	10/10/19	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.0 %*		*50-150*	*1941027*	*10/09/19*	*10/10/19*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**36.3**	20.0	mg/kg	1	1941028	10/09/19	10/09/19	EPA 300.0/9056A	

envirotech Analytical Laboratory

DJR Operating, LLC	Project Name:	Jicarilla 122-2	
1 Rd 3263	Project Number:	17035-0129	**Reported:**
Aztec NM, 87410	Project Manager:	Felipe Aragon	10/15/19 14:34

Volatile Organics by EPA 8021 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1941027 - Purge and Trap EPA 5030A										
Blank (1941027-BLK1)				Prepared: 10/09/19 1 Analyzed: 10/11/19 0						
Benzene	ND	0.0250	mg/kg							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
p,m-Xylene	ND	0.0500	"							
o-Xylene	ND	0.0250	"							
Total Xylenes	ND	0.0250	"							
Surrogate: 4-Bromochlorobenzene-PID	*7.57*		*"*	*8.00*		*94.6*	*50-150*			
LCS (1941027-BS1)				Prepared: 10/09/19 1 Analyzed: 10/11/19 0						
Benzene	5.17	0.0250	mg/kg	5.00		103	70-130			
Toluene	5.15	0.0250	"	5.00		103	70-130			
Ethylbenzene	5.13	0.0250	"	5.00		103	70-130			
p,m-Xylene	10.3	0.0500	"	10.0		103	70-130			
o-Xylene	5.16	0.0250	"	5.00		103	70-130			
Total Xylenes	15.4	0.0250	"	15.0		103	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.57*		*"*	*8.00*		*94.6*	*50-150*			
Matrix Spike (1941027-MS1)		**Source: P910027-01**		Prepared: 10/09/19 1 Analyzed: 10/11/19 0						
Benzene	4.91	0.0250	mg/kg	5.00	ND	98.2	54.3-133			
Toluene	4.89	0.0250	"	5.00	ND	97.8	61.4-130			
Ethylbenzene	4.87	0.0250	"	5.00	ND	97.5	61.4-133			
p,m-Xylene	9.77	0.0500	"	10.0	ND	97.7	63.3-131			
o-Xylene	4.88	0.0250	"	5.00	ND	97.6	63.3-131			
Total Xylenes	14.6	0.0250	"	15.0	ND	97.6	63.3-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.16*		*"*	*8.00*		*89.6*	*50-150*			
Matrix Spike Dup (1941027-MSD1)		**Source: P910027-01**		Prepared: 10/09/19 1 Analyzed: 10/11/19 1						
Benzene	5.02	0.0250	mg/kg	5.00	ND	100	54.3-133	2.16	20	
Toluene	4.99	0.0250	"	5.00	ND	99.8	61.4-130	1.94	20	
Ethylbenzene	4.96	0.0250	"	5.00	ND	99.1	61.4-133	1.65	20	
p,m-Xylene	9.89	0.0500	"	10.0	ND	98.9	63.3-131	1.27	20	
o-Xylene	4.99	0.0250	"	5.00	ND	99.7	63.3-131	2.18	20	
Total Xylenes	14.9	0.0250	"	15.0	ND	99.2	63.3-131	1.58	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.61*		*"*	*8.00*		*95.1*	*50-150*			

envirotech Analytical Laboratory

DJR Operating, LLC	Project Name:	Jicarilla 122-2	
1 Rd 3263	Project Number:	17035-0129	**Reported:**
Aztec NM, 87410	Project Manager:	Felipe Aragon	10/15/19 14:34

Nonhalogenated Organics by 8015 - DRO/ORO - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1941026 - DRO Extraction EPA 3570										
Blank (1941026-BLK1)				Prepared: 10/09/19 0 Analyzed: 10/09/19 1						
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Oil Range Organics (C28-C40)	ND	50.0	"							
Surrogate: n-Nonane	*58.4*		*"*	*50.0*		*117*	*50-200*			
LCS (1941026-BS1)				Prepared: 10/09/19 0 Analyzed: 10/09/19 1						
Diesel Range Organics (C10-C28)	537	25.0	mg/kg	500		107	38-132			
Surrogate: n-Nonane	*60.1*		*"*	*50.0*		*120*	*50-200*			
Matrix Spike (1941026-MS1)	**Source: P910028-01**			Prepared: 10/09/19 0 Analyzed: 10/09/19 1						
Diesel Range Organics (C10-C28)	767	25.0	mg/kg	500	220	109	38-132			
Surrogate: n-Nonane	*58.8*		*"*	*50.0*		*118*	*50-200*			
Matrix Spike Dup (1941026-MSD1)	**Source: P910028-01**			Prepared: 10/09/19 0 Analyzed: 10/09/19 1						
Diesel Range Organics (C10-C28)	777	25.0	mg/kg	500	220	112	38-132	1.33	20	
Surrogate: n-Nonane	*58.6*		*"*	*50.0*		*117*	*50-200*			

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Analytical Laboratory

DJR Operating, LLC	Project Name:	Jicarilla 122-2	
1 Rd 3263	Project Number:	17035-0129	**Reported:**
Aztec NM, 87410	Project Manager:	Felipe Aragon	10/15/19 14:34

Nonhalogenated Organics by 8015 - GRO - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1941027 - Purge and Trap EPA 5030A										
Blank (1941027-BLK1)				Prepared: 10/09/19 1 Analyzed: 10/11/19 0						
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.07*		*"*	*8.00*		*88.4*	*50-150*			
LCS (1941027-BS2)				Prepared: 10/09/19 1 Analyzed: 10/11/19 1						
Gasoline Range Organics (C6-C10)	43.9	20.0	mg/kg	50.0		87.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.06*		*"*	*8.00*		*88.3*	*50-150*			
Matrix Spike (1941027-MS2)			**Source: P910027-01**	Prepared: 10/09/19 1 Analyzed: 10/11/19 1						
Gasoline Range Organics (C6-C10)	46.5	20.0	mg/kg	50.0	ND	93.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.07*		*"*	*8.00*		*88.4*	*50-150*			
Matrix Spike Dup (1941027-MSD2)			**Source: P910027-01**	Prepared: 10/09/19 1 Analyzed: 10/11/19 1						
Gasoline Range Organics (C6-C10)	46.2	20.0	mg/kg	50.0	ND	92.3	70-130	0.734	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.02*		*"*	*8.00*		*87.8*	*50-150*			

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Analytical Laboratory

DJR Operating, LLC	Project Name:	Jicarilla 122-2	
1 Rd 3263	Project Number:	17035-0129	**Reported:**
Aztec NM, 87410	Project Manager:	Felipe Aragon	10/15/19 14:34

Anions by 300.0/9056A - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1941028 - Anion Extraction EPA 300.0/9056A										
Blank (1941028-BLK1)				Prepared & Analyzed: 10/09/19 1						
Chloride	ND	20.0	mg/kg							
LCS (1941028-BS1)				Prepared & Analyzed: 10/09/19 1						
Chloride	256	20.0	mg/kg	250		102	90-110			
Matrix Spike (1941028-MS1)		**Source: P910027-01**		Prepared & Analyzed: 10/09/19 1						
Chloride	295	20.0	mg/kg	250	36.3	103	80-120			
Matrix Spike Dup (1941028-MSD1)		**Source: P910027-01**		Prepared & Analyzed: 10/09/19 1						
Chloride	293	20.0	mg/kg	250	36.3	103	80-120	0.677	20	

QC Summary Report
Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values my differ slightly.

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Analytical Laboratory

DJR Operating, LLC	Project Name:	Jicarilla 122-2	
1 Rd 3263	Project Number:	17035-0129	**Reported:**
Aztec NM, 87410	Project Manager:	Felipe Aragon	10/15/19 14:34

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
**	Methods marked with ** are non-accredited methods.

Soil data is reported on an "as received" weight basis, unless reported otherwise.

Project Information | Chain of Custody | Page 1 of 1

Received by OCD: 6/1/2020 5:02:11 PM

Client: DJR LLC	**Report Attention**	**Lab Use Only**
Project: Jicarilla 122-2	Report due by:	Lab WO# P910027 / Job Number 17035-0129
Project Manager: F.Aragon	Email:	**TAT** 1D 3D
Address:	Address:	**EPA Program** RCRA CWA SDWA
City, State, Zip	City, State, Zip	**State** NM CO UT AZ
Phone:	Phone:	NM: X
Email: Gcrabtree Dcarter Faragon		

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	8015	ORO	8021	Cl-	Remarks
9:57	10/8/2019	S	2	BGT Sample	1	X	X	X	X	2 4 oz Jars, Cool

Additional Instructions: VIS ice in cooler

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:Damon Carter

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6°C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Damon Carter	10/8/19	13:58	Raina Lopez	10/8/19	13:58
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other _____

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech Analytical Laboratory
5796 US Highway 64, Farmington, NM 87401 Ph (505) 632-0615 Fx (505) 632-1865
Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301 Ph (970) 259-0615 Fr (800) 362-1879
envirotech-inc.com

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Analytical Laboratory

Analytical Report

Report Summary

Client: DJR Operating, LLC

Samples Received: 11/4/2019
Job Number: 17035-0132
Work Order: P911010
Project Name/Location: Jicarilla 122-2
Confirmation Samples

Report Reviewed By: _____ Date: 11/11/19

Walter Hinchman, Laboratory Director

NELAP ACCREDITED TNI LABORATORY

Envirotech Inc. certifies the test results meet all requirements of TNI unless footnoted otherwise.
Statement of Data Authenticity: Envirotech, Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.
Envirotech, Inc, holds the Utah TNI certification NM009792018-1 for the data reported.
Envirotech, Inc, holds the Texas TNI certification T104704557-19-2 for the data reported.

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Analytical Laboratory

DJR Operating, LLC	Project Name:	Jicarilla 122-2 Confirmation Samples	
1 Rd 3263	Project Number:	17035-0132	**Reported:**
Aztec NM, 87410	Project Manager:	Felipe Aragon	11/11/19 17:28

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Base	P911010-01A	Soil	11/04/19	11/04/19	Glass Jar, 4 oz.
	P911010-01B	Soil	11/04/19	11/04/19	Glass Jar, 4 oz.
North Wall	P911010-02A	Soil	11/04/19	11/04/19	Glass Jar, 4 oz.
	P911010-02B	Soil	11/04/19	11/04/19	Glass Jar, 4 oz.
West Wall	P911010-03A	Soil	11/04/19	11/04/19	Glass Jar, 4 oz.
	P911010-03B	Soil	11/04/19	11/04/19	Glass Jar, 4 oz.
South Wall	P911010-04A	Soil	11/04/19	11/04/19	Glass Jar, 4 oz.
	P911010-04B	Soil	11/04/19	11/04/19	Glass Jar, 4 oz.
East Wall	P911010-05A	Soil	11/04/19	11/04/19	Glass Jar, 4 oz.
	P911010-05B	Soil	11/04/19	11/04/19	Glass Jar, 4 oz.

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DJR Operating, LLC	Project Name:	Jicarilla 122-2 Confirmation Samples	
1 Rd 3263	Project Number:	17035-0132	**Reported:**
Aztec NM, 87410	Project Manager:	Felipe Aragon	11/11/19 17:28

Base
P911010-01 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	1945025	11/06/19	11/07/19	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	1945025	11/06/19	11/07/19	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	1945025	11/06/19	11/07/19	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	1945025	11/06/19	11/07/19	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	1945025	11/06/19	11/07/19	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	1945025	11/06/19	11/07/19	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*108 %*		*50-150*	*1945025*	*11/06/19*	*11/07/19*	*EPA 8021B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	**2260**	250	mg/kg	10	1945026	11/06/19	11/11/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	500	mg/kg	10	1945026	11/06/19	11/11/19	EPA 8015D	
Surrogate: n-Nonane		*98.9 %*		*50-200*	*1945026*	*11/06/19*	*11/11/19*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1945025	11/06/19	11/07/19	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.8 %*		*50-150*	*1945025*	*11/06/19*	*11/07/19*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**560**	100	mg/kg	5	1945022	11/07/19	11/07/19	EPA 300.0/9056A	

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Analytical Laboratory

DJR Operating, LLC	Project Name:	Jicarilla 122-2 Confirmation Samples	
1 Rd 3263	Project Number:	17035-0132	**Reported:**
Aztec NM, 87410	Project Manager:	Felipe Aragon	11/11/19 17:28

North Wall
P911010-02 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	1945025	11/06/19	11/07/19	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	1945025	11/06/19	11/07/19	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	1945025	11/06/19	11/07/19	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	1945025	11/06/19	11/07/19	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	1945025	11/06/19	11/07/19	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	1945025	11/06/19	11/07/19	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*		*50-150*	*1945025*	*11/06/19*	*11/07/19*	*EPA 8021B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	**18000**	1250	mg/kg	50	1945026	11/06/19	11/11/19	EPA 8015D	
Oil Range Organics (C28-C40)	**12000**	2500	mg/kg	50	1945026	11/06/19	11/11/19	EPA 8015D	
Surrogate: n-Nonane		*110 %*		*50-200*	*1945026*	*11/06/19*	*11/11/19*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1945025	11/06/19	11/07/19	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.2 %*		*50-150*	*1945025*	*11/06/19*	*11/07/19*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**600**	100	mg/kg	5	1945022	11/07/19	11/07/19	EPA 300.0/9056A	

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DJR Operating, LLC	Project Name:	Jicarilla 122-2 Confirmation Samples	
1 Rd 3263	Project Number:	17035-0132	**Reported:**
Aztec NM, 87410	Project Manager:	Felipe Aragon	11/11/19 17:28

West Wall
P911010-03 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	1945025	11/06/19	11/07/19	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	1945025	11/06/19	11/07/19	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	1945025	11/06/19	11/07/19	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	1945025	11/06/19	11/07/19	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	1945025	11/06/19	11/07/19	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	1945025	11/06/19	11/07/19	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*		*50-150*	*1945025*	*11/06/19*	*11/07/19*	*EPA 8021B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	**11800**	2500	mg/kg	100	1945026	11/06/19	11/11/19	EPA 8015D	
Oil Range Organics (C28-C40)	**6430**	5000	mg/kg	100	1945026	11/06/19	11/11/19	EPA 8015D	
Surrogate: n-Nonane		*%*		*50-200*	*1945026*	*11/06/19*	*11/11/19*	*EPA 8015D*	*S4*
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1945025	11/06/19	11/07/19	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.7 %*		*50-150*	*1945025*	*11/06/19*	*11/07/19*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**242**	100	mg/kg	5	1945022	11/07/19	11/07/19	EPA 300.0/9056A	

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DJR Operating, LLC	Project Name:	Jicarilla 122-2 Confirmation Samples	
1 Rd 3263	Project Number:	17035-0132	**Reported:**
Aztec NM, 87410	Project Manager:	Felipe Aragon	11/11/19 17:28

South Wall
P911010-04 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	1945025	11/06/19	11/07/19	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	1945025	11/06/19	11/07/19	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	1945025	11/06/19	11/07/19	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	1945025	11/06/19	11/07/19	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	1945025	11/06/19	11/07/19	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	1945025	11/06/19	11/07/19	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*107 %*		*50-150*	*1945025*	*11/06/19*	*11/07/19*	*EPA 8021B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	**2470**	250	mg/kg	10	1945026	11/06/19	11/11/19	EPA 8015D	
Oil Range Organics (C28-C40)	**2900**	500	mg/kg	10	1945026	11/06/19	11/11/19	EPA 8015D	
Surrogate: n-Nonane		*140 %*		*50-200*	*1945026*	*11/06/19*	*11/11/19*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1945025	11/06/19	11/07/19	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.2 %*		*50-150*	*1945025*	*11/06/19*	*11/07/19*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**805**	100	mg/kg	5	1945022	11/07/19	11/07/19	EPA 300.0/9056A	

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Analytical Laboratory

DJR Operating, LLC	Project Name:	Jicarilla 122-2 Confirmation Samples	
1 Rd 3263	Project Number:	17035-0132	**Reported:**
Aztec NM, 87410	Project Manager:	Felipe Aragon	11/11/19 17:28

East Wall
P911010-05 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	1945025	11/06/19	11/07/19	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	1945025	11/06/19	11/07/19	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	1945025	11/06/19	11/07/19	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	1945025	11/06/19	11/07/19	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	1945025	11/06/19	11/07/19	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	1945025	11/06/19	11/07/19	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*		*50-150*	*1945025*	*11/06/19*	*11/07/19*	*EPA 8021B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	**8650**	2500	mg/kg	100	1945026	11/06/19	11/11/19	EPA 8015D	
Oil Range Organics (C28-C40)	**13200**	5000	mg/kg	100	1945026	11/06/19	11/11/19	EPA 8015D	
Surrogate: n-Nonane		*%*		*50-200*	*1945026*	*11/06/19*	*11/11/19*	*EPA 8015D*	*S4*
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1945025	11/06/19	11/07/19	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.4 %*		*50-150*	*1945025*	*11/06/19*	*11/07/19*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**1710**	100	mg/kg	5	1945022	11/07/19	11/07/19	EPA 300.0/9056A	

envirotech Analytical Laboratory

DJR Operating, LLC	Project Name:	Jicarilla 122-2 Confirmation Samples	
1 Rd 3263	Project Number:	17035-0132	**Reported:**
Aztec NM, 87410	Project Manager:	Felipe Aragon	11/11/19 17:28

Volatile Organics by EPA 8021 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1945025 - Purge and Trap EPA 5030A										
Blank (1945025-BLK1)				Prepared: 11/06/19 1 Analyzed: 11/06/19 2						
Benzene	ND	0.0250	mg/kg							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
p,m-Xylene	ND	0.0500	"							
o-Xylene	ND	0.0250	"							
Total Xylenes	ND	0.0250	"							
Surrogate: 4-Bromochlorobenzene-PID	*8.52*		*"*	*8.00*		*107*	*50-150*			
LCS (1945025-BS1)				Prepared: 11/06/19 1 Analyzed: 11/06/19 2						
Benzene	4.67	0.0250	mg/kg	5.00		93.3	70-130			
Toluene	4.61	0.0250	"	5.00		92.3	70-130			
Ethylbenzene	4.58	0.0250	"	5.00		91.6	70-130			
p,m-Xylene	9.14	0.0500	"	10.0		91.4	70-130			
o-Xylene	4.60	0.0250	"	5.00		92.0	70-130			
Total Xylenes	13.7	0.0250	"	15.0		91.6	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.67*		*"*	*8.00*		*108*	*50-150*			
Matrix Spike (1945025-MS1)		**Source: P911010-01**		Prepared: 11/06/19 1 Analyzed: 11/07/19 0						
Benzene	4.67	0.0250	mg/kg	5.00	ND	93.4	54.3-133			
Toluene	4.62	0.0250	"	5.00	ND	92.4	61.4-130			
Ethylbenzene	4.60	0.0250	"	5.00	ND	92.0	61.4-133			
p,m-Xylene	9.19	0.0500	"	10.0	ND	91.9	63.3-131			
o-Xylene	4.61	0.0250	"	5.00	ND	92.2	63.3-131			
Total Xylenes	13.8	0.0250	"	15.0	ND	92.0	63.3-131			
Surrogate: 4-Bromochlorobenzene-PID	*8.63*		*"*	*8.00*		*108*	*50-150*			
Matrix Spike Dup (1945025-MSD1)		**Source: P911010-01**		Prepared: 11/06/19 1 Analyzed: 11/07/19 0						
Benzene	4.58	0.0250	mg/kg	5.00	ND	91.7	54.3-133	1.86	20	
Toluene	4.54	0.0250	"	5.00	ND	90.8	61.4-130	1.68	20	
Ethylbenzene	4.52	0.0250	"	5.00	ND	90.4	61.4-133	1.70	20	
p,m-Xylene	9.05	0.0500	"	10.0	ND	90.5	63.3-131	1.55	20	
o-Xylene	4.55	0.0250	"	5.00	ND	91.0	63.3-131	1.29	20	
Total Xylenes	13.6	0.0250	"	15.0	ND	90.7	63.3-131	1.46	20	
Surrogate: 4-Bromochlorobenzene-PID	*8.92*		*"*	*8.00*		*111*	*50-150*			

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DJR Operating, LLC	Project Name:	Jicarilla 122-2 Confirmation Samples	
1 Rd 3263	Project Number:	17035-0132	**Reported:**
Aztec NM, 87410	Project Manager:	Felipe Aragon	11/11/19 17:28

Nonhalogenated Organics by 8015 - DRO/ORO - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1945026 - DRO Extraction EPA 3570										
Blank (1945026-BLK1)				Prepared: 11/06/19 1 Analyzed: 11/11/19 1						
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Oil Range Organics (C28-C40)	ND	50.0	"							
Surrogate: n-Nonane	*65.3*		*"*	*50.0*		*131*	*50-200*			
LCS (1945026-BS1)				Prepared: 11/06/19 1 Analyzed: 11/11/19 1						
Diesel Range Organics (C10-C28)	488	25.0	mg/kg	500		97.5	38-132			
Surrogate: n-Nonane	*49.9*		*"*	*50.0*		*99.7*	*50-200*			
Matrix Spike (1945026-MS1)		**Source: P911010-01**		Prepared: 11/06/19 1 Analyzed: 11/11/19 1						
Diesel Range Organics (C10-C28)	2670	250	mg/kg	500	2260	81.9	38-132			
Surrogate: n-Nonane	*48.4*		*"*	*50.0*		*96.9*	*50-200*			
Matrix Spike Dup (1945026-MSD1)		**Source: P911010-01**		Prepared: 11/06/19 1 Analyzed: 11/11/19 1						
Diesel Range Organics (C10-C28)	2580	250	mg/kg	500	2260	62.9	38-132	3.63	20	
Surrogate: n-Nonane	*45.8*		*"*	*50.0*		*91.5*	*50-200*			

envirotech Analytical Laboratory

DJR Operating, LLC	Project Name:	Jicarilla 122-2 Confirmation Samples	
1 Rd 3263	Project Number:	17035-0132	**Reported:**
Aztec NM, 87410	Project Manager:	Felipe Aragon	11/11/19 17:28

Nonhalogenated Organics by 8015 - GRO - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1945025 - Purge and Trap EPA 5030A										
Blank (1945025-BLK1)				Prepared: 11/06/19 1 Analyzed: 11/06/19 2						
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.68*		*"*	*8.00*		*96.0*	*50-150*			
LCS (1945025-BS2)				Prepared: 11/06/19 1 Analyzed: 11/07/19 0						
Gasoline Range Organics (C6-C10)	59.4	20.0	mg/kg	50.0		119	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.76*		*"*	*8.00*		*97.0*	*50-150*			
Matrix Spike (1945025-MS2)		**Source: P911010-01**		Prepared: 11/06/19 1 Analyzed: 11/07/19 0						
Gasoline Range Organics (C6-C10)	60.3	20.0	mg/kg	50.0	ND	121	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.70*		*"*	*8.00*		*96.2*	*50-150*			
Matrix Spike Dup (1945025-MSD2)		**Source: P911010-01**		Prepared: 11/06/19 1 Analyzed: 11/07/19 0						
Gasoline Range Organics (C6-C10)	61.3	20.0	mg/kg	50.0	ND	123	70-130	1.50	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.71*		*"*	*8.00*		*96.4*	*50-150*			

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Analytical Laboratory

DJR Operating, LLC	Project Name:	Jicarilla 122-2 Confirmation Samples	
1 Rd 3263	Project Number:	17035-0132	**Reported:**
Aztec NM, 87410	Project Manager:	Felipe Aragon	11/11/19 17:28

Anions by 300.0/9056A - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1945022 - Anion Extraction EPA 300.0/9056A										
Blank (1945022-BLK1)				Prepared: 11/06/19 0 Analyzed: 11/06/19 1						
Chloride	ND	20.0	mg/kg							
LCS (1945022-BS1)				Prepared: 11/06/19 0 Analyzed: 11/06/19 1						
Chloride	252	20.0	mg/kg	250		101	90-110			
Matrix Spike (1945022-MS1)		**Source: P911013-01**		Prepared: 11/06/19 0 Analyzed: 11/06/19 1						
Chloride	990	40.0	mg/kg	250	717	109	80-120			
Matrix Spike Dup (1945022-MSD1)		**Source: P911013-01**		Prepared: 11/06/19 0 Analyzed: 11/06/19 1						
Chloride	946	40.0	mg/kg	250	717	91.8	80-120	4.51	20	

QC Summary Report
Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values my differ slightly.

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DJR Operating, LLC	Project Name:	Jicarilla 122-2 Confirmation Samples	
1 Rd 3263	Project Number:	17035-0132	**Reported:**
Aztec NM, 87410	Project Manager:	Felipe Aragon	11/11/19 17:28

Notes and Definitions

S4	Surrogate was diluted out due to high concentrations of target and/or non-target analytes and does not provide useful information. The associated LCS spike recovery was acceptable.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
**	Methods marked with ** are non-accredited methods.

Soil data is reported on an "as received" weight basis, unless reported otherwise.

Project Information | Chain of Custody | Page 1 of 1

Client: DJR LLC	**Report Attention**	**Lab Use Only**
Project: Jicarilla 122-2 Confirmation Samples	Report due by:	Lab WO# P911010
Project Manager: F.Aragon	Email:	Job Number 17035-0132
Address:	Address:	
City, State, Zip	City, State, Zip	
Phone:	Phone:	
Email: Gcrabtree Dcarter Faragon		

TAT: 1D | 3D

EPA Program: RCRA | CWA | SDWA

State: NM | CO | UT | AZ — NM: X

Analysis and Method: 8015 | ORO | 8021 | Cl-

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	8015	ORO	8021	Cl-	Remarks
14:02	11/4/2019	S	2	Base	1	X	X	X	X	2 4 oz Jars, Cool
14:12	11/4/19	S	2	North wall	2					
14:20	11/4/19	S	2	West wall	3					
14:25	11/4/19	S	2	South wall	4					
14:30	11/4/19	S	2	East wall	5					

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:Damon Carter

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6°C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Damon Carter	11/4/19	17:01	[signature]	11-4-19	17:01
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only
Received on ice: (Y) / N
T1 ____ T2 ____ T3 ____
AVG Temp °C 4

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other ____

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboraotry is limited to the amount paid for on the report.

envirotech Analytical Laboratory
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Analytical Laboratory

Analytical Report

Report Summary

Client: DJR Operating, LLC

Samples Received: 3/25/2020
Job Number: 17035-0129
Work Order: P003122
Project Name/Location: Jicarilla 122-2

Report Reviewed By: Walter Hinchman Date: 3/30/20

Walter Hinchman, Laboratory Director

NELAP ACCREDITED TNI LABORATORY

Envirotech Inc. certifies the test results meet all requirements of TNI unless footnoted otherwise.
Statement of Data Authenticity: Envirotech, Inc, attests the data reported has not been altered in any way.
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Envirotech, Inc, holds the Utah TNI certification NM009792018-1 for the data reported.
Envirotech, Inc, holds the Texas TNI certification T104704557-19-2 for the data reported.

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DJR Operating, LLC	Project Name:	Jicarilla 122-2	
1 Rd 3263	Project Number:	17035-0129	**Reported:**
Aztec NM, 87410	Project Manager:	Felipe Aragon	03/30/20 12:27

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
West Wall	P003122-01A	Soil	03/25/20	03/25/20	Glass Jar, 4 oz.
	P003122-01B	Soil	03/25/20	03/25/20	Glass Jar, 4 oz.
North Wall	P003122-02A	Soil	03/25/20	03/25/20	Glass Jar, 4 oz.
	P003122-02B	Soil	03/25/20	03/25/20	Glass Jar, 4 oz.
East Wall	P003122-03A	Soil	03/25/20	03/25/20	Glass Jar, 4 oz.
	P003122-03B	Soil	03/25/20	03/25/20	Glass Jar, 4 oz.
Base	P003122-04A	Soil	03/25/20	03/25/20	Glass Jar, 4 oz.
	P003122-04B	Soil	03/25/20	03/25/20	Glass Jar, 4 oz.
South Wall	P003122-05A	Soil	03/25/20	03/25/20	Glass Jar, 4 oz.
	P003122-05B	Soil	03/25/20	03/25/20	Glass Jar, 4 oz.

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DJR Operating, LLC	Project Name:	Jicarilla 122-2	
1 Rd 3263	Project Number:	17035-0129	**Reported:**
Aztec NM, 87410	Project Manager:	Felipe Aragon	03/30/20 12:27

West Wall
P003122-01 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	2013020	03/27/20	03/27/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2013020	03/27/20	03/27/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2013020	03/27/20	03/27/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2013020	03/27/20	03/27/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2013020	03/27/20	03/27/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2013020	03/27/20	03/27/20	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*		*50-150*	*2013020*	*03/27/20*	*03/27/20*	*EPA 8021B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	**311**	25.0	mg/kg	1	2013004	03/27/20	03/27/20	EPA 8015D	
Oil Range Organics (C28-C40)	**210**	50.0	mg/kg	1	2013004	03/27/20	03/27/20	EPA 8015D	
Surrogate: n-Nonane		*94.7 %*		*50-200*	*2013004*	*03/27/20*	*03/27/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2013020	03/27/20	03/27/20	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.9 %*		*50-150*	*2013020*	*03/27/20*	*03/27/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**532**	20.0	mg/kg	1	2013018	03/27/20	03/27/20	EPA 300.0/9056A	

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Analytical Laboratory

DJR Operating, LLC	Project Name:	Jicarilla 122-2	
1 Rd 3263	Project Number:	17035-0129	**Reported:**
Aztec NM, 87410	Project Manager:	Felipe Aragon	03/30/20 12:27

North Wall
P003122-02 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	2013020	03/27/20	03/28/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2013020	03/27/20	03/28/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2013020	03/27/20	03/28/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2013020	03/27/20	03/28/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2013020	03/27/20	03/28/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2013020	03/27/20	03/28/20	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*		*50-150*	*2013020*	*03/27/20*	*03/28/20*	*EPA 8021B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	**619**	25.0	mg/kg	1	2013004	03/27/20	03/27/20	EPA 8015D	
Oil Range Organics (C28-C40)	**228**	50.0	mg/kg	1	2013004	03/27/20	03/27/20	EPA 8015D	
Surrogate: n-Nonane		*109 %*		*50-200*	*2013004*	*03/27/20*	*03/27/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2013020	03/27/20	03/28/20	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.7 %*		*50-150*	*2013020*	*03/27/20*	*03/28/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**542**	20.0	mg/kg	1	2013018	03/27/20	03/27/20	EPA 300.0/9056A	

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DJR Operating, LLC	Project Name:	Jicarilla 122-2	
1 Rd 3263	Project Number:	17035-0129	**Reported:**
Aztec NM, 87410	Project Manager:	Felipe Aragon	03/30/20 12:27

East Wall
P003122-03 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	2013020	03/27/20	03/28/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2013020	03/27/20	03/28/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2013020	03/27/20	03/28/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2013020	03/27/20	03/28/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2013020	03/27/20	03/28/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2013020	03/27/20	03/28/20	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*		*50-150*	*2013020*	*03/27/20*	*03/28/20*	*EPA 8021B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	**848**	25.0	mg/kg	1	2013004	03/27/20	03/27/20	EPA 8015D	
Oil Range Organics (C28-C40)	**291**	50.0	mg/kg	1	2013004	03/27/20	03/27/20	EPA 8015D	
Surrogate: n-Nonane		*110 %*		*50-200*	*2013004*	*03/27/20*	*03/27/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2013020	03/27/20	03/28/20	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.7 %*		*50-150*	*2013020*	*03/27/20*	*03/28/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**356**	20.0	mg/kg	1	2013018	03/27/20	03/27/20	EPA 300.0/9056A	

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DJR Operating, LLC	Project Name:	Jicarilla 122-2	
1 Rd 3263	Project Number:	17035-0129	**Reported:**
Aztec NM, 87410	Project Manager:	Felipe Aragon	03/30/20 12:27

Base
P003122-04 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	2013020	03/27/20	03/28/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2013020	03/27/20	03/28/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2013020	03/27/20	03/28/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2013020	03/27/20	03/28/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2013020	03/27/20	03/28/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2013020	03/27/20	03/28/20	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*		*50-150*	*2013020*	*03/27/20*	*03/28/20*	*EPA 8021B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	**1320**	25.0	mg/kg	1	2013004	03/27/20	03/27/20	EPA 8015D	
Oil Range Organics (C28-C40)	**255**	50.0	mg/kg	1	2013004	03/27/20	03/27/20	EPA 8015D	
Surrogate: n-Nonane		*93.1 %*		*50-200*	*2013004*	*03/27/20*	*03/27/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2013020	03/27/20	03/28/20	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.5 %*		*50-150*	*2013020*	*03/27/20*	*03/28/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**330**	40.0	mg/kg	2	2013018	03/27/20	03/27/20	EPA 300.0/9056A	

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DJR Operating, LLC	Project Name:	Jicarilla 122-2	
1 Rd 3263	Project Number:	17035-0129	**Reported:**
Aztec NM, 87410	Project Manager:	Felipe Aragon	03/30/20 12:27

South Wall

P003122-05 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	2013020	03/27/20	03/28/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2013020	03/27/20	03/28/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2013020	03/27/20	03/28/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2013020	03/27/20	03/28/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2013020	03/27/20	03/28/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2013020	03/27/20	03/28/20	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*		*50-150*	*2013020*	*03/27/20*	*03/28/20*	*EPA 8021B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	**315**	25.0	mg/kg	1	2013004	03/27/20	03/27/20	EPA 8015D	
Oil Range Organics (C28-C40)	**150**	50.0	mg/kg	1	2013004	03/27/20	03/27/20	EPA 8015D	
Surrogate: n-Nonane		*94.0 %*		*50-200*	*2013004*	*03/27/20*	*03/27/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2013020	03/27/20	03/28/20	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.3 %*		*50-150*	*2013020*	*03/27/20*	*03/28/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**688**	40.0	mg/kg	2	2013018	03/27/20	03/27/20	EPA 300.0/9056A	

envirotech Analytical Laboratory

DJR Operating, LLC	Project Name:	Jicarilla 122-2	
1 Rd 3263	Project Number:	17035-0129	**Reported:**
Aztec NM, 87410	Project Manager:	Felipe Aragon	03/30/20 12:27

Volatile Organics by EPA 8021 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2013020 - Purge and Trap EPA 5030A										
Blank (2013020-BLK1)				Prepared & Analyzed: 03/27/20 1						
Benzene	ND	0.0250	mg/kg							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
p,m-Xylene	ND	0.0500	"							
o-Xylene	ND	0.0250	"							
Total Xylenes	ND	0.0250	"							
Surrogate: 4-Bromochlorobenzene-PID	*8.29*		*"*	*8.00*		*104*	*50-150*			
LCS (2013020-BS1)				Prepared & Analyzed: 03/27/20 1						
Benzene	4.98	0.0250	mg/kg	5.00		99.5	70-130			
Toluene	5.12	0.0250	"	5.00		102	70-130			
Ethylbenzene	5.07	0.0250	"	5.00		101	70-130			
p,m-Xylene	10.1	0.0500	"	10.0		101	70-130			
o-Xylene	5.04	0.0250	"	5.00		101	70-130			
Total Xylenes	15.1	0.0250	"	15.0		101	0-200			
Surrogate: 4-Bromochlorobenzene-PID	*8.49*		*"*	*8.00*		*106*	*50-150*			
Matrix Spike (2013020-MS1)		**Source: P003122-01**		Prepared: 03/27/20 1 Analyzed: 03/27/20 2						
Benzene	4.72	0.0250	mg/kg	5.00	ND	94.4	54.3-133			
Toluene	4.88	0.0250	"	5.00	ND	97.6	61.4-130			
Ethylbenzene	4.81	0.0250	"	5.00	ND	96.2	61.4-133			
p,m-Xylene	9.54	0.0500	"	10.0	ND	95.4	63.3-131			
o-Xylene	4.74	0.0250	"	5.00	ND	94.8	63.3-131			
Total Xylenes	14.3	0.0250	"	15.0	ND	95.2	0-200			
Surrogate: 4-Bromochlorobenzene-PID	*8.39*		*"*	*8.00*		*105*	*50-150*			
Matrix Spike Dup (2013020-MSD1)		**Source: P003122-01**		Prepared: 03/27/20 1 Analyzed: 03/27/20 2						
Benzene	4.86	0.0250	mg/kg	5.00	ND	97.3	54.3-133	3.02	20	
Toluene	4.98	0.0250	"	5.00	ND	99.7	61.4-130	2.10	20	
Ethylbenzene	4.92	0.0250	"	5.00	ND	98.5	61.4-133	2.36	20	
p,m-Xylene	9.76	0.0500	"	10.0	ND	97.6	63.3-131	2.38	20	
o-Xylene	4.88	0.0250	"	5.00	ND	97.7	63.3-131	2.99	20	
Total Xylenes	14.6	0.0250	"	15.0	ND	97.7	0-200	2.58	200	
Surrogate: 4-Bromochlorobenzene-PID	*8.37*		*"*	*8.00*		*105*	*50-150*			

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DJR Operating, LLC	Project Name:	Jicarilla 122-2	
1 Rd 3263	Project Number:	17035-0129	**Reported:**
Aztec NM, 87410	Project Manager:	Felipe Aragon	03/30/20 12:27

Nonhalogenated Organics by 8015 - DRO/ORO - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2013004 - DRO Extraction EPA 3570										
Blank (2013004-BLK1)				Prepared & Analyzed: 03/27/20 0						
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Oil Range Organics (C28-C40)	ND	50.0	"							
Surrogate: n-Nonane	*53.5*		*"*	*50.0*		*107*	*50-200*			
LCS (2013004-BS1)				Prepared & Analyzed: 03/27/20 0						
Diesel Range Organics (C10-C28)	433	25.0	mg/kg	500		86.6	38-132			
Surrogate: n-Nonane	*46.9*		*"*	*50.0*		*93.9*	*50-200*			
Matrix Spike (2013004-MS1)	**Source: P003122-01**			Prepared & Analyzed: 03/27/20 0						
Diesel Range Organics (C10-C28)	722	25.0	mg/kg	500	311	82.2	38-132			
Surrogate: n-Nonane	*24.8*		*"*	*25.0*		*99.4*	*50-200*			
Matrix Spike Dup (2013004-MSD1)	**Source: P003122-01**			Prepared: 03/27/20 0 Analyzed: 03/27/20 1						
Diesel Range Organics (C10-C28)	719	25.0	mg/kg	500	311	81.5	38-132	0.471	20	
Surrogate: n-Nonane	*25.1*		*"*	*25.0*		*101*	*50-200*			

envirotech Analytical Laboratory

DJR Operating, LLC	Project Name:	Jicarilla 122-2	
1 Rd 3263	Project Number:	17035-0129	**Reported:**
Aztec NM, 87410	Project Manager:	Felipe Aragon	03/30/20 12:27

Nonhalogenated Organics by 8015 - GRO - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2013020 - Purge and Trap EPA 5030A										
Blank (2013020-BLK1)				Prepared & Analyzed: 03/27/20 1						
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.12*		"	*8.00*		*89.0*	*50-150*			
LCS (2013020-BS2)				Prepared & Analyzed: 03/27/20 1						
Gasoline Range Organics (C6-C10)	46.3	20.0	mg/kg	50.0		92.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.13*		"	*8.00*		*89.1*	*50-150*			
Matrix Spike (2013020-MS2)		**Source: P003122-01**		Prepared: 03/27/20 1 Analyzed: 03/27/20 2						
Gasoline Range Organics (C6-C10)	50.5	20.0	mg/kg	50.0	ND	101	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.15*		"	*8.00*		*89.4*	*50-150*			
Matrix Spike Dup (2013020-MSD2)		**Source: P003122-01**		Prepared: 03/27/20 1 Analyzed: 03/27/20 2						
Gasoline Range Organics (C6-C10)	49.3	20.0	mg/kg	50.0	ND	98.6	70-130	2.33	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.09*		"	*8.00*		*88.7*	*50-150*			

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Analytical Laboratory

DJR Operating, LLC	Project Name:	Jicarilla 122-2	
1 Rd 3263	Project Number:	17035-0129	**Reported:**
Aztec NM, 87410	Project Manager:	Felipe Aragon	03/30/20 12:27

Anions by 300.0/9056A - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2013018 - Anion Extraction EPA 300.0/9056A										
Blank (2013018-BLK1)				Prepared & Analyzed: 03/27/20 1						
Chloride	ND	20.0	mg/kg							
LCS (2013018-BS1)				Prepared & Analyzed: 03/27/20 1						
Chloride	249	20.0	mg/kg	250		99.4	90-110			
Matrix Spike (2013018-MS1)		**Source: P003124-01**		Prepared & Analyzed: 03/27/20 1						
Chloride	251	20.0	mg/kg	250	ND	101	80-120			
Matrix Spike Dup (2013018-MSD1)		**Source: P003124-01**		Prepared & Analyzed: 03/27/20 1						
Chloride	252	20.0	mg/kg	250	ND	101	80-120	0.314	20	

QC Summary Report
Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values my differ slightly.

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Analytical Laboratory

DJR Operating, LLC	Project Name:	Jicarilla 122-2	
1 Rd 3263	Project Number:	17035-0129	**Reported:**
Aztec NM, 87410	Project Manager:	Felipe Aragon	03/30/20 12:27

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
**	Methods marked with ** are non-accredited methods.

Soil data is reported on an "as received" weight basis, unless reported otherwise.

Project Information | Chain of Custody

Client: DJR	**Report Attention**
Project: Jicarilla 122-2	Report due by:
Project Manager: F.Aragon	Email:
Address:	Address:
City, State, Zip	City, State, Zip
Phone:	Phone:
Email: Gcrabtree Admin Bhall Faragon Tknight	

Lab Use Only		TAT		EPA Program		
Lab WO#	Job Number	1D	3D	RCRA	CWA	SDWA
P003122	17035-0139		X			

Analysis and Method											State			
DRO/GRO/BTEX	8021	Cl									NM	CO	UT	AZ
											X			

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	Remarks
1300	3/25/2020	S	2	West Wall	1	2-4oz jars cool
1305	"	S	2	North Wall	2	"
1315	"	S	2	East Wall	3	"
1315	"	S	2	Base	4	"
1320	"	S	2	South Wall	5	"

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Brittany Hall

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Brittany Hall	3/25/2020	15:34	Rina Lopez	3/25/20	15:34
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

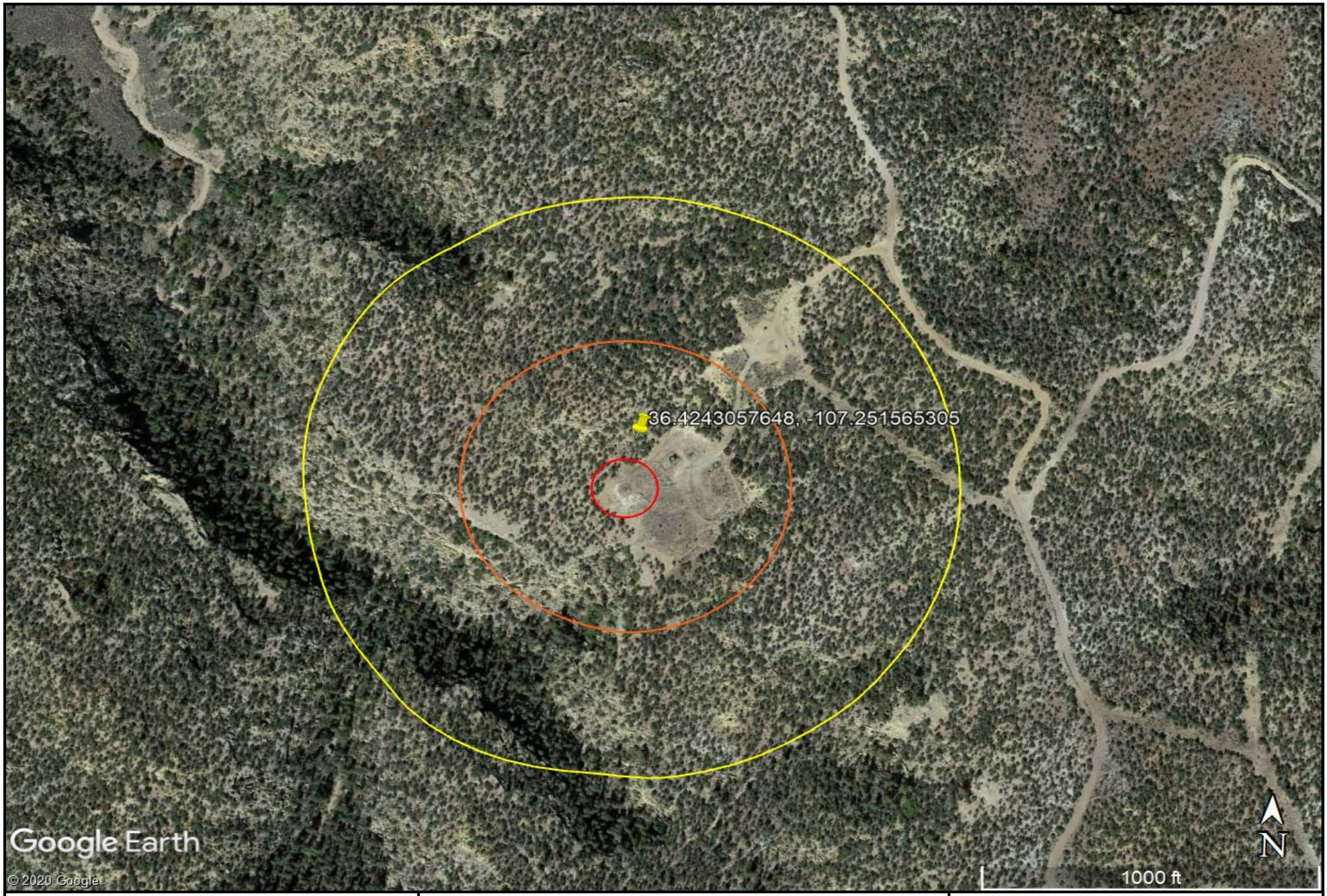
Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other _____

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboraotry is limited to the amount paid for on the report.

envirotech Analytical Laboratory
5796 US Highway 64, Farmington, NM 87401 Ph (505) 632-0615 Fax (505) 632-1865
Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301 Ph (970) 259-0615 Fax (800) 362-1879
envirotech-inc.com laboratory@envirotech-inc.com



300’ Radius
500’ Radius
1000’ Radius

Jicarilla Apache Tribal 122 2
30-039-22927
UL-P, Section 04, T25N, R04W

Surface Hydrology Map

DJR Energy

New Mexico Office of the State Engineer
Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Twws	Rng	X	Y	Depth Well	Depth Water	Water Column
RG 50845 POD1		MRG	SO			3	26	25N	04W	300247	4026989*	340	135	205

Average Depth to Water: **135 feet**
Minimum Depth: **135 feet**
Maximum Depth: **135 feet**

Record Count: 1

PLSS Search:

Section(s): 4, 5, 8, 9, 10, 3, 26 **Township:** 25N **Range:** 04W

***UTM location was derived from PLSS - see Help**

Larissa Farrell

From: Yahoo Warning <kcmanwell@yahoo.com>
Sent: Tuesday, March 31, 2020 8:18 AM
To: Larissa Farrell
Subject: Re: Jicarilla 122 2 BGT Closure

Follow Up Flag: Follow up
Flag Status: Flagged

Good Morning Larissa,

Per our discussion about the Jicarilla 122 2, due to excavation hitting bedrock and still having contaminants on the bottom of excavation. The use of potassium permanganate will be an alternative method to help the degradation of present contaminates, backfill will be permitted and noted as an amendment to the closure plan. Approval is granted to expedite the the approval process, should you have any questions or comments. Please contact myself via email or 505-330-8031.

Thank You,

K.C. Manwell, Environmental Specialist
Jicarilla Environmental Protection Office

On Monday, March 30, 2020, 02:15:49 PM MDT, Larissa Farrell <lfarrell@djrllc.com> wrote:

Good afternoon Keith,

Attached are the results from the Jicarilla 122 2 BGT Closure. All constituents were below the Table I closure standard except the base of the excavation due to the sandstone which no further excavation can occur in this area. We would like to have Envirotech apply potassium permanganate to the base to mitigate the contaminates within the sandstone. Please provide an email with your approval on this path forward.

If you have any questions, please let me know.

Thank you,

Larissa Farrell

Regulatory Specialist

(505)444-0289

lfarrell@djrllc.com

Disclaimer

March 16, 2020

Larissa Ferrell
Regulatory Specialist
DJR ENERGY

Hi Larissa,

Per our conversation about the Backfill Material for The Jicarilla Apache F-6 and Jicarilla Apache Tribal 122 2. Your Company has the permission from the Jicarilla Apache Nation Environmental Protection Office (JAN-EPO) to use said ponds for backfill of the two locations. I will be out of the office for Tuesday and Wednesday of this week, don't hesitate to call should you have any questions.

Thank You,

K.C. Manwell, Environmental Specialist
JAN-EPO
505-330-8031