

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

ACCEPTED  
FOR  
RECORD

- 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 F 6  
API Number: 30-039-05958 OCD Permit Number: \_\_\_\_\_  
U/L or Qtr/Qtr D Section 22 Township 25N Range 05W County: Rio Arriba  
Center of Proposed Design: Latitude 36.389035 Longitude -107.350822 NAD83  
Surface Owner:  Federal  State  Private  Tribal

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

3.  
 **Below-grade tank:** Subsection I of 19.15.17.11 NMAC  
Volume: 120 bbl Type of fluid: Well Fluid  
Tank Construction material: Unknown  
 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.

**Variations 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<sub>2</sub>S, 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.<br>- NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells   | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br><input type="checkbox"/> NA |
| Ground water is between 25-50 feet below the bottom of the buried waste<br>- NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells   | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br><input type="checkbox"/> NA |
| Ground water is more than 100 feet below the bottom of the buried waste.<br>- NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells  | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br><input type="checkbox"/> NA |
| Within 100 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark).<br>- Topographic map; Visual inspection (certification) of the proposed site                        | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                                |
| Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.<br>- Visual inspection (certification) of the proposed site; Aerial photo; Satellite image  | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                                |
| Within 300 horizontal feet of a private, domestic fresh water well or spring used for domestic or stock watering purposes, in existence at the time of initial application.<br>- NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                                |
| Written confirmation or verification from the municipality; Written approval obtained from the municipality   | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                                |
| Within 300 feet of a wetland.<br>US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site   | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                                |
| Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance   | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                                |

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

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

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

17.  
**Operator Application Certification:**  
 I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and belief.

Name (Print): \_\_\_\_\_ Title: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

e-mail address: \_\_\_\_\_ Telephone: \_\_\_\_\_

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

**OCD Representative Signature:** \_\_\_\_\_ **Approval Date:** \_\_\_\_\_

**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:** 3/26/2020

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)

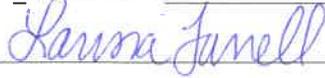
On-site Closure Location: Latitude 36.389035 Longitude -107.350822 NAD:  1927  1983

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: 5/12/2020

e-mail address: lfarrell@djrlc.com Telephone: (505) 444-0289

**Larissa Farrell**

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**Subject:** FW: 72 Hour Notification Via Certified Mail-Not Required

**From:** Smith, Cory, EMNRD <[Cory.Smith@state.nm.us](mailto:Cory.Smith@state.nm.us)>  
**Sent:** Wednesday, February 26, 2020 7:32 AM  
**To:** Dave Brown <[DBrown@djrlc.com](mailto:DBrown@djrlc.com)>  
**Cc:** Richard Graves <[rgraves@djrlc.com](mailto:rgraves@djrlc.com)>  
**Subject:** RE: 72 Hour Notification Via Certified Mail-Not Required

Dave,

I have it on the schedule, If an OCD representative is not on location at 10AM please continue on.

Thank you.

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

**From:** Dave Brown <[DBrown@djrlc.com](mailto:DBrown@djrlc.com)>  
**Sent:** Tuesday, February 25, 2020 5:18 PM  
**To:** Smith, Cory, EMNRD <[Cory.Smith@state.nm.us](mailto:Cory.Smith@state.nm.us)>  
**Cc:** Richard Graves <[rgraves@djrlc.com](mailto:rgraves@djrlc.com)>  
**Subject:** [EXT] RE: 72 Hour Notification Via Certified Mail-Not Required

Cory:

We have rescheduled the final testing for 10:00 am on Friday the 28th of February for the F-10 site. After we test the F-10, we will proceed to the Jicarilla Apache F-6 Compressor Station for first testing around compressor area, pull the BGT and perform initial sampling beneath the BGT. Both Hobson Sandoval and Jason Sandoval have been notified regarding this schedule. Please advise if you can make it on Friday morning.

Regards,

*Dave Brown*

Manager of Government and Regulatory Affairs  
303-887-3695  
505-419-9931  
[DBrown@djrlc.com](mailto:DBrown@djrlc.com)



**From:** Dave Brown  
**Sent:** Monday, February 24, 2020 4:13 PM  
**To:** Smith, Cory, EMNRD <[Cory.Smith@state.nm.us](mailto:Cory.Smith@state.nm.us)>

**Cc:** Richard Graves <[rgraves@djrlc.com](mailto:rgraves@djrlc.com)>  
**Subject:** FW: 72 Hour Notification Via Certified Mail-Not Required

Cory:

Please find the note below where Hobson Sandoval, on behalf of the Jicarilla Nation, waived the 72 surface owner notice for two compressor site closures where BGT's are being removed. We have been updating JOGA (Jason Sandoval) and Hobson on a daily basis when work is being performed.

The two sites in question are:

- Jicarilla Apache F10 Compressor Station located in NENW of Section 16, T25N, R5W, Lat. 36.40407 Long: -107.36784; Surface Owner: Jicarilla Nation
- Jicarilla Apache F6 Compressor Station located in NW/NW of Sec. 22, T25N, R05W: Rio Arriba County: Lat. 36.386304, Long -107.353438: Surface Owner: Jicarilla Nation

We apologize for not providing you 72 hour notice on the F10 which was pulled last week, but we have not obtained confirmation samples for the area beneath the BGT yet, but I will forward copies to you of the two previous sampling events when they are available. Please accept this note as 72 hour notice for removing the BGT at the F-6 compressor site. We have tentatively scheduled Wednesday 2/24/20 at 8:00 a.m. to retest the soil remaining beneath the BGT at the F-10 site. We would also like to remove the BGT at the F-6 site and possibly obtain confirmation samples for closure. We have been working with the Jicarilla Nation to close the sites while the weather is cooperating. Please advise if you intend to be present for the BGT removal and if we will need to wait 72 hours to re-schedule the work.

Thank you.

Regards,  
*Dave Brown*  
Manager of Government and Regulatory Affairs  
303-887-3695  
505-419-9931  
[DBrown@djrlc.com](mailto:DBrown@djrlc.com)



**From:** Dave Brown  
**Sent:** Saturday, February 15, 2020 1:11 PM  
**To:** Hobson Sandoval <[hsandoval2012@gmail.com](mailto:hsandoval2012@gmail.com)>  
**Subject:** 72 Hour Notification Via Certified Mail-Not Required

Hobson:

Per our conversation earlier this week, the NMOCDC has a requirement that if we intend to remove a BGT, 72 hour notice ahead of the removal via certified mail to the surface owner is required. In the case of the Jicarilla F-10 and F-6 compressor sites, we plan on testing underneath a BGT at each site on Tuesday, February 18<sup>th</sup> beginning at 1:30. Just to confirm, you indicated the 72 hour certified mail notice to you is not necessary for these two projects.

With that being the case, on Tuesday we will proceed to have Envirotech collect samples. We are planning on field screening the samples before collecting any for lab analysis. I will plan on being there. Please let me know if you plan on being there or if Jason Sandoval will be there if you can't make it.

Have a great weekend.

Regards,

*Dave Brown*

Manager of Government and Regulatory Affairs

303-887-3695

505-419-9931

[DBrown@dirllc.com](mailto:DBrown@dirllc.com)



## Disclaimer

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**Larissa Farrell**

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**From:** Larissa Farrell  
**Sent:** Monday, March 9, 2020 4:42 PM  
**To:** kcmawell@yahoo.com  
**Cc:** Richard Graves  
**Subject:** FW: 48-hour notification of sampling - Jicarilla Apache F 6 #NRM2006541507

Keith,

We will also be conducting confirmation sampling at the Jicarilla Apache F 6 on Wednesday March 11, 2020 at 12:00pm.

Thank you,

Larissa Farrell  
Regulatory Specialist  
(505)444-0289  
[lfarrell@djrlc.com](mailto:lfarrell@djrlc.com)



**From:** Larissa Farrell  
**Sent:** Friday, March 6, 2020 8:33 AM  
**To:** Hobson Sandoval <hsandoval2012@gmail.com>; Jason Sandoval <jasonsandoval@jicarillaoga.com>; Smith, Cory, EMNRD <Cory.Smith@state.nm.us>  
**Subject:** 48-hour notification of sampling - Jicarilla Apache F 6 #NRM2006541507

Good morning,

On behalf of DJR Operating, Envirotech will be conducting confirmation sampling at the Jicarilla Apache F 6 on Wednesday March 11, 2020 at 12:00pm. Please let this serve as 48-hour notification of confirmation sampling.

Jicarilla Apache F 6  
API# 30-039-05958  
#NRM2006541507

Thank you,

Larissa Farrell  
Regulatory Specialist  
(505)444-0289  
[lfarrell@djrlc.com](mailto:lfarrell@djrlc.com)



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



May 7, 2020

Project #17035-0181  
NMOCD Incident #nRM2006541507

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

Phone:(505) 632-3476  
E-mail: [lfarrell@djrlc.com](mailto:lfarrell@djrlc.com)

**RE: BGT and Release Closure Report for the Jicarilla Apache F-6 Compressor Station Located in Section 22, Township 25N, Range 5W, Rio Arriba 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 Apache F-6 compressor station located within Section 22, Township 25 North, Range 5 West, Rio Arriba County, New Mexico; see enclosed **Figure 1, Vicinity Map**.

On February 28, 2020, DJR contracted roustabout personnel removed the BGT and Envirotech personnel collected a five-point composite soil sample from the exposed surface of the former location of the BGT. The sample was identified as *Composite* and prepared for field screening activities.

### **BGT FIELD SCREENING ANALYSIS**

Field screening for VOCs was conducted with a photo-ionization detector (PID) organic vapor meter (OVM). Prior to performing field screening activities, the PID-OVM was first calibrated with 100 parts per million (ppm) isobutylene gas. The soil sample was also screened in the field for total petroleum hydrocarbons (TPH) per United States Environmental Protection Agency (EPA) Method 418.1 using an Infracal Total Oil and Gas (TOG)/ TPH Analyzer. A 3-point calibration was completed prior to conducting soil screening. The soil sample screening results returned a result of 1,288 mg/kg for TPH and 1.5 ppm for VOCs. Field screening protocol followed the manufacture's operating procedure and, field screening results are provided in **Appendix A, Field Notes**.

The subject location was undergoing de-commissioning, and the location was being fully reclaimed per all applicable regulations; therefore, DJR closed the BGT and based on the enclosed **Appendix B, Siting Criteria Documentation**, and in accordance with the following standards per **19.15.29.12 NMAC**:



DJR Operating, LLC  
 Jicarilla Apache F-6  
 BGT and Release Closure  
 Project #17035-0181  
 February-March, 2020  
 Page 2

Depth to Groundwater	Constituent	Method	Limit
≥ 50 feet	Chloride	EPA 300.0	600 mg/kg
	TPH (GRO/DRO/MRO)	EPA Method 8015D	100 mg/kg
	BTEX	EPA Method 8021B	50 mg/kg
	Benzene	EPA Method 8021B	10 mg/kg

Based on the field screening results and elected closure standards, TPH was above the applicable closure criteria; see enclosed **Table 1, Summary of Soil Analytical Results**. Subsequently, a release notification (C-141) was submitted to the New Mexico Oil Conservation Division (NMOCD) and Jicarilla Oil and Gas Administration (JOGA) per *19.15.29.10 NMAC*.

#### RELEASE CLOSURE CONFIRMATION LABORATORY ANALYSIS

DJR contracted roustabout personnel completed the remediation excavation on March 17, 2020; the final excavation measured 15 feet by 12 feet by 7 feet in depth. On the same day, Envirotech personnel returned to the site to perform confirmation sampling activities under the witness of DJR representatives Richard Graves and Larissa Farrell.

Per verbal direction from a JOGA representative, one (1) five-point composite sample was collected from the base of the excavation and one five-point composite sample was collected from the excavation walls. Soil samples were placed into individual laboratory provided 4-ounce jars, capped head space free, and transported on ice to Envirotech Analytical Laboratory. Soil sample locations are illustrated in **Figure 2, Site Map** and excavation activities are documented in the attached **Appendix C, Site Photography**.

The laboratory analytical results were compared to the most stringent release closure criteria provided in *19.15.29.12 NMAC*. Based on laboratory analytical results, the concentrations of contaminants of concern were below the applicable release closure criteria and do not require further remediation actions; see enclosed **Table 1, Summary of Soil Analytical Results and Appendix D, Laboratory Analytical Report**.

#### SUMMARY AND CONCLUSIONS

On February 28, 2020, Envirotech personnel performed confirmation sampling of soil beneath the BGT at the Jicarilla Apache F-6 compressor station. Based on the field screening results and visual observations of stained soil a release was confirmed. DJR subsequently completed a remediation excavation, and confirmation sampling was performed on March 17, 2020. Upon receipt of



DJR Operating, LLC  
Jicarilla Apache F-6  
BGT and Release Closure  
Project #17035-0181  
February-March, 2020  
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laboratory analytical results and verbal approval from JOGA, on March 26, 2020, DJR personnel backfilled and re-contoured the location of the former BGT. The site was reseeded with the approved Jicarilla Mesa seed mixture.

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 remediation and reclamation.

#### 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.

Reviewed by:

A handwritten signature in blue ink, appearing to read 'Felipe Aragon'.

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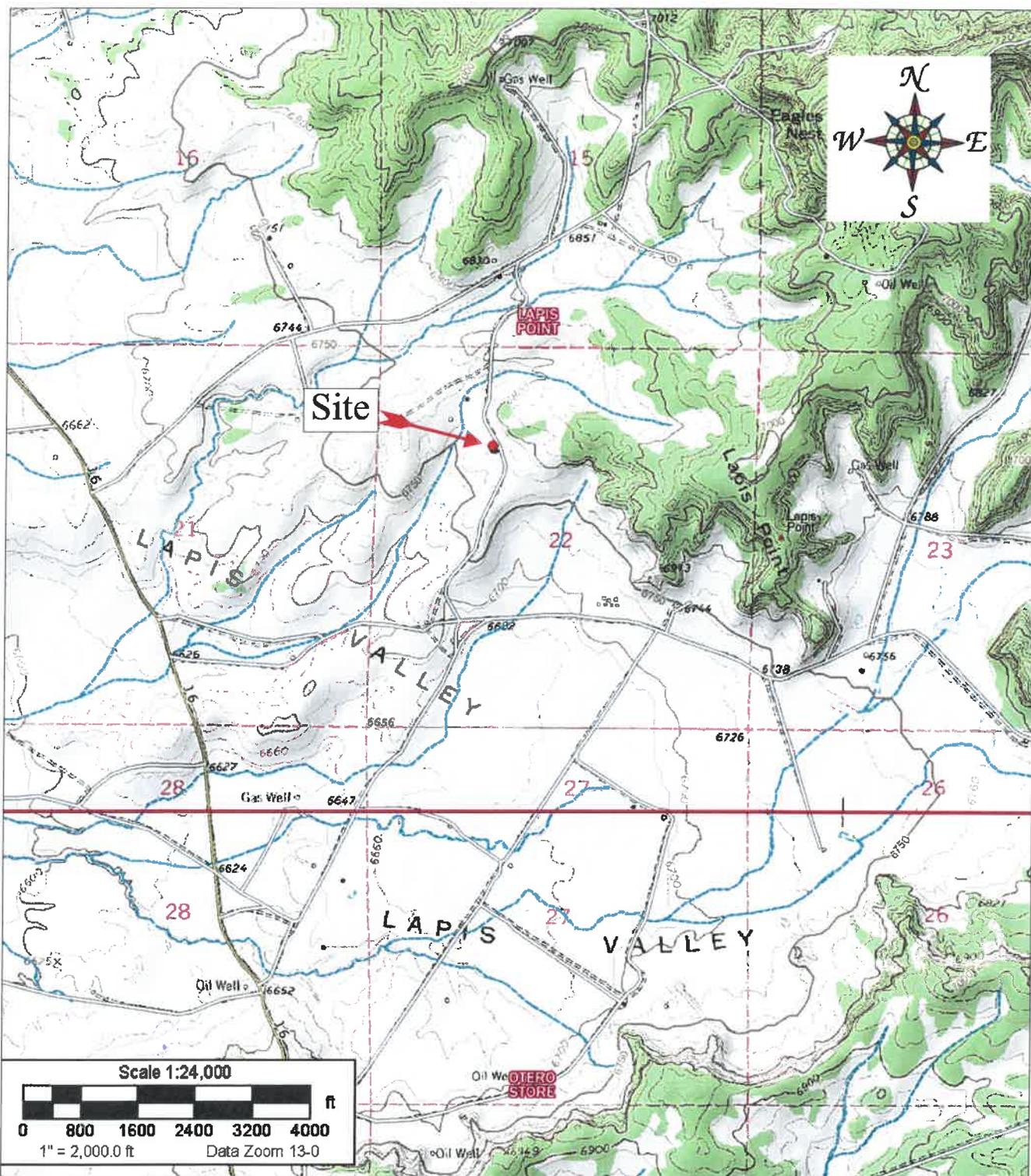
Brittany Hall  
Environmental Field Technician  
[bhall@envirotech-inc.com](mailto:bhall@envirotech-inc.com)

---

Felipe Aragon, CHMM, CES  
Environmental Assistant Manager  
[faragon@envirotech-inc.com](mailto:faragon@envirotech-inc.com)

Enclosures: Figure 1, *Vicinity Map*  
Figure 2, *Site Map*  
Table 1, *Summary of Soil Analytical Results*  
Appendix A, *Field Notes*  
Appendix B, *Siting Criteria*  
Appendix C, *Site Photography*  
Appendix D, *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

<p>DJR Operating, LLC.                  Jicarilla Apache F-6 Compressor Station                  Section 16, Township 25N, Range 5W                  36.40377, -107.36813                  Incident No. nRM2006541507</p>	<p><b>envirotech</b>                  ENVIRONMENTAL SCIENTISTS &amp; ENGINEERS</p> <p>5796 U.S. HIGHWAY 64                  Farmington, New Mexico 87401                  505.632.0615</p>	<p>Vicinity Map</p>
<p>Project Number: 17035-0181</p>	<p>Date Drawn: 3/10/2020</p>	<p>Figure #1</p> <p>DRAWN BY:                  Brittany Hall</p> <p>PROJECT MANAGER:                  Felipe Aragon</p>



Legend

— F-6 BGT Wall Composite

● F-6 BGT Base

\* Sample locations represent 5-point composite samples



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

MAP DRAWN BY:

BAH

4/2/2020

REVISIONS BY:

BAH

5/8/2020

APPROVED BY:

FRA

4/14/2020

Scale

1"=25'



## Figure 2, Site Map

DJR Operating, LLC.  
Jicarilla Apache F #006 Compressor Station  
Section 22, Township 25N, Range 5W  
36.38904, -107.35082  
Project #17035-0181  
Incident No. nRM2006541507

Table 1, Summary of Soil Analytical Results  
 DJR Operating, LLC  
 BGT and Release Closure Report  
 Jicarilla Apache F #006  
 Section 22, Township 25N, Range 5W  
 Rio Arriba County, New Mexico  
 Project #17035-0181  
 Incident #nRM2006541507

Sample Description*	Date	Sample Depth	EPA Method 8015			EPA Method 8021		EPA Method 300.0
			GRO (mg/kg)	DRO (mg/kg)	MRO (mg/kg)	Benzene (mg/kg)	Total BTEX (mg/kg)	Chlorides (mg/kg)
<i>NMOCDClosure Criteria (Table 1 - 19.15.29.12)</i>								
Composite**	2/28/2020	1-2 inches bgs	Not Applicable	100 mg/kg		10 mg/kg	50 mg/kg	600 mg/kg
F-6 BGT Base	3/17/2020	5 ft	<20.0	<25.0	<50.0	NA	NA	NA
F-6 BGT Wall Composite	3/17/2020	1-4 ft	<20.0	<25.0	<50.0	<0.025	<0.100	<20.0
						<0.025	<0.100	<20.0

\*5-point composite soil sample

\*\* - Field Screening Analysis only (EPA Method 418.1)

NA - Not Analyzed

**BOLD** - above NMOCDClosure Criteria



Practical Solutions for a Better Tomorrow

CLIENT: DJR  
 CLIENT/JOB # 17235-0181  
 START DATE: 2/28/2020  
 FINISH DATE: 2/28/2020



Environmental Specialist: B Hall  
 LAT: 3638902  
 LONG: -107.35073

Page # \_\_\_\_\_ of \_\_\_\_\_

FIELD REPORT: BELOW GROUND TANK VERIFICATION

LOCATION NAME: Jicarilla Apache WELL #: F-4 Temp Pit: \_\_\_\_\_ PERM Pit: \_\_\_\_\_  
 QUAD/UNIT: SEC: 22 TWP: 25N RNG: SW PM: \_\_\_\_\_  
 QTR/FOOTAGE: CNTY: Pio Ambe ST: NM

Excavation Approx: \_\_\_\_\_ Feet X \_\_\_\_\_ Feet X \_\_\_\_\_ Feet Deep \_\_\_\_\_ Cubic Yardage \_\_\_\_\_  
 Disposal Facility: \_\_\_\_\_ Remediation Method: \_\_\_\_\_  
 Land Owner: Jicarilla API: \_\_\_\_\_ Pit Volume \_\_\_\_\_  
 Construction Material: \_\_\_\_\_ Double Walled, With Leak Detection: \_\_\_\_\_

Temporary Pit Closure : NMAC 19 15 17 Table II (Permitted after 6/28/2013)  
 BGT Closure: NMAC 19 15.17 Table I (Permitted after 6/28/2013)  
 X BGT Closure: BENZENE ≤ 0.2 mg/kg, BTEX ≤ 50 mg/kg, TPH (418.1) ≤ 100 mg/kg, CHLORIDES ≤ 250 mg/kg (Permitted before 6/28/2013)

FIELD 418.1 ANALYSIS

SAMPLE DESCRIPTION	TIME	SAMPLE ID	LAB #	WEIGHT	mL FREON	DILUTION	READING	CALC. (mg/kg)
<u>Composite</u>		<u>1</u>		<u>5</u>	<u>20</u>	<u>4</u>	<u>372</u>	<u>1289</u>

PID RESULTS			SITE PERIMETER		SAMPLE PROFILE	
SAMPLE ID	RESULTS (mg/kg)					
<u>1</u>	<u>1.5</u>					
FIELD CHLORIDES RESULTS			<p>BGT located to west</p>			
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				

Brittany Hall  
 Analyst Signature  
Brittany Hall  
 Printed Name

NOTES: Tank pulled w/ Brittany, Clay, Richard, + Alfred as witnesses  
 WO #: \_\_\_\_\_ Who ordered/Site Rep.: \_\_\_\_\_

CLIENT: DTR Environmental Specialist: P. Hall  
 CLIENT/JOB # 17035-0101  
 START DATE: 3/17/2020  
 FINISH DATE: \_\_\_\_\_  
 Page # \_\_\_\_\_ of \_\_\_\_\_



LAT: 36.38902  
 LONG: -107.35073

**FIELD REPORT: BELOW GROUND TANK VERIFICATION**

LOCATION NAME Jicamilla Apache WELL # F-6 Temp Pit \_\_\_\_\_ PERM Pit \_\_\_\_\_  
 QUAD/UNIT SEC 22 TWP 22 RNG 25N PM SW  
 QTR/FOOTAGE Cnty La Arriba ST New Mexico  
 Excavation Approx See below Feet X 15 Feet X 12 Feet Deep 7' Cubic Yardage \_\_\_\_\_  
 Disposal Facility \_\_\_\_\_ Remediation Method \_\_\_\_\_  
 Land Owner Jicamilla Apache API \_\_\_\_\_ Pit Volume \_\_\_\_\_  
 Construction Material Double Walled, With Leak Detection

Temporary Pit Closure - NMAC 19 15 17 Table II (Permitted after 6/28/2013)  
 BGT Closure - NMAC 19 15.17 Table I (Permitted 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 (Permitted before 6/28/2013)

**FIELD 418.1 ANALYSIS**

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

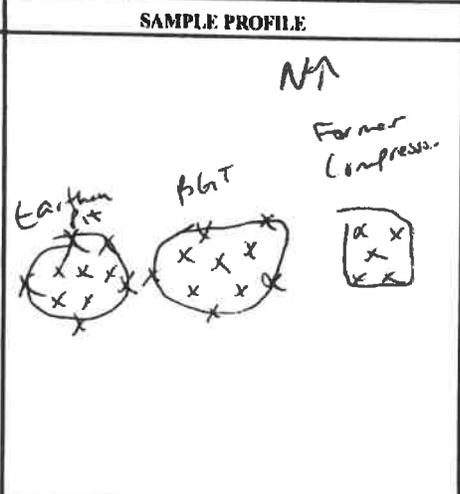
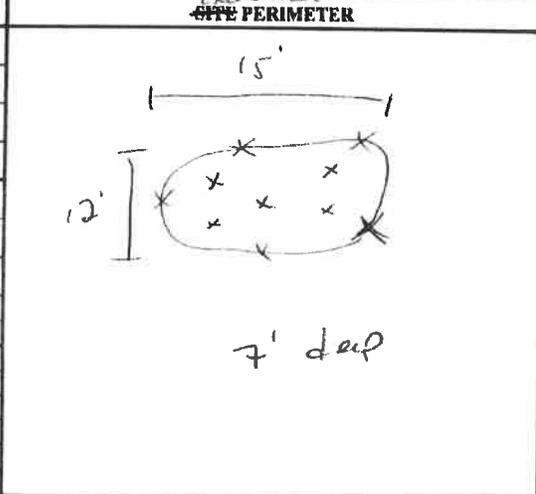
PID RESULTS	
SAMPLE ID	RESULTS (mg Ld <sub>g</sub> )

FIELD CHLORIDES RESULTS	
SAMPLE ID	READING P.P.C. (mg/kg)

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



Brittany Hall  
 Analyst Signature  
Brittany Hall  
 Printed Name

NOTES: \_\_\_\_\_  
 WO #: \_\_\_\_\_ Who ordered/Site Rep.: \_\_\_\_\_

**Site Name:** Jicarilla Apache F-6 Compressor Station  
**Compressor Associated with API #:** 30-039-05958  
**BGT Lat/Long:** 36.38904, -107.35082  
**TRS:** Unit D Section 22 T25N R5W  
**Land Jurisdiction:** Jicarilla Apache Nation  
**County:** Rio Arriba

Wellhead Protection Area Assessment				
<i>Determine the horizontal distance from all known water sources within 1/2 mile of the release including private and domestic water sources. Water sources are wells, springs or other sources of fresh water extraction. Private and domestic water sources are those water sources used by less than five households for domestic or stock purposes. (NMAC 19.15.29.11A.3)</i>				
Water Source Type (well/spring/stock pond)	ID (if available)	Latitude	Longitude	Distance
NMOSE Well	SJ0110	36.4243	-107.39569	4.3 miles
Livestock Pond				5,599 ft SE
<b>Distance to Nearest Significant Watercourse (NMAC 19.15.29.11A.4)</b>				
<i>'Significant watercourse' means a watercourse with a defined bed and bank either named or identified by a dashed blue line on a USGS 7.5 minute quadrangle map or the next lower order tributary with a defined bed and bank of such watercourse.</i>				
600 feet west of BGT location				
<b>Depth to Groundwater Determination (NMAC 19.15.29.11A.2)</b>				
Catholic Report/Site Specific Hydrogeology	Prior ranking on Jicarilla Pit Remediation and Closure Report form dated April 21, 1998, indicates depth to GW at 50-100 feet			
Elevation Differential	Unnamed dry wash 0.5 miles west -61 ft lower than site; Largo Canyon - 6.5 miles west - 500 ft lower elevation			
Water Wells				
Catholic Report Nearby Wells				

Sensitive Receptor Determination		
<b>**If a release occurs within the following areas, the RP must treat the release as if it occurred less than 50 ft to Groundwater (NMAC 19.15.29.12C.4):</b>		
<300' of any continuously flowing watercourse or any other significant watercourse	Yes	No
<200' of any lakebed, sinkhole or playa lake (measured from the Ordinary High Water Mark)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<300' of an occupied permanent residence, school, hospital, institution or church	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<500' of a spring or private/domestic water well used by <5 households for domestic or stock watering purposes	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<1000' of any water well or spring	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Within incorporated municipal boundaries or within a defined municipal fresh water well field	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<300' of a wetland	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Within the area overlying a subsurface mine	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Within an unstable area	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Within a 100-year floodplain	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Explain any 'Yes' Marks:

Actual Depth to Groundwater is: ≤50  50-100  >100

\*\*Treat Depth to Groundwater as if it's ≤ 50 ft? Yes  No

Release Action Levels are...	≤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

JICARILLA APACHE TRIBE  
ENVIRONMENTAL PROTECTION OFFICE  
P.O. BOX 507  
DULCE, NEW MEXICO 87528

OK

*Notes and  
volumes adequate  
Sept 15 done  
get volumes ready*  
SEMI-ANNUAL  
NATURAL RESOURCES REPORT  
AND OIL & GAS ADMINISTRATION

**PH REMEDIATION AND CLOSURE REPORT**

**APPROVED**

Operator: ELM RIDGE RESOURCES Telephone: (505) 326-7099

Address: 312 W. LA PLATA STREET, FARMINGTON, NM 87401

Facility or Well Name: JICARILLA APACHE F #6

Location: Unit or Qtr/Qtr Sec D Sec 22 T25N R5W County RIO ARriba

Pit Type: Separator  Dehydrator  Other COMPRESSOR

Land Type: \_\_\_\_\_

Pit Location: Pit dimension: length 25, width 50, depth 25

(Attach diagram)

Reference: wellhead \_\_\_\_\_ other COMPRESSOR

Footage from reference: 100'

Direction from reference: West Degrees \_\_\_\_\_ East \_\_\_\_\_  
of \_\_\_\_\_  
 West \_\_\_\_\_ South \_\_\_\_\_

Depth To Groundwater: (Vertical distance from contaminants to seasonal high water elevation of groundwater)	Less than 50 feet	(20 points)	
	50 feet to 99 feet	(10 points)	
	Greater than 100 feet	(0 points)	<u>10</u>

Distance to an Ephemeral Stream (Downgradient dry wash greater than ten feet in width)	Less than 100 feet	(10 points)	
	Greater than 100 feet	(0 points)	<u>0</u>

Distance to Nearest Lake, Playa, or Watering Pond (Downgradient lakes, playas and livestock or wildlife watering ponds)	Less than 100 feet	(10 points)	
	Greater than 100 feet	(0 points)	<u>0</u>

Wellhead Protection Area: (Less than 200 feet from a private domestic water source, or: less than 1000 feet from all other water sources)	Yes	(20 points)	
	No	(0 points)	<u>20</u>

Distance To Surface Water: (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)	Less than 100 feet	(20 points)	
	100 feet to 1000 feet	(10 points)	
	Greater than 1000 feet	(0 points)	<u>10</u>

**RANKING SCORE (TOTAL POINTS): 40**



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

---

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

No records found.

**PLSS Search:**

**Section(s):** 14, 15, 16, 21, **Township:** 25N **Range:** 05W  
22, 23, 26, 27,  
28

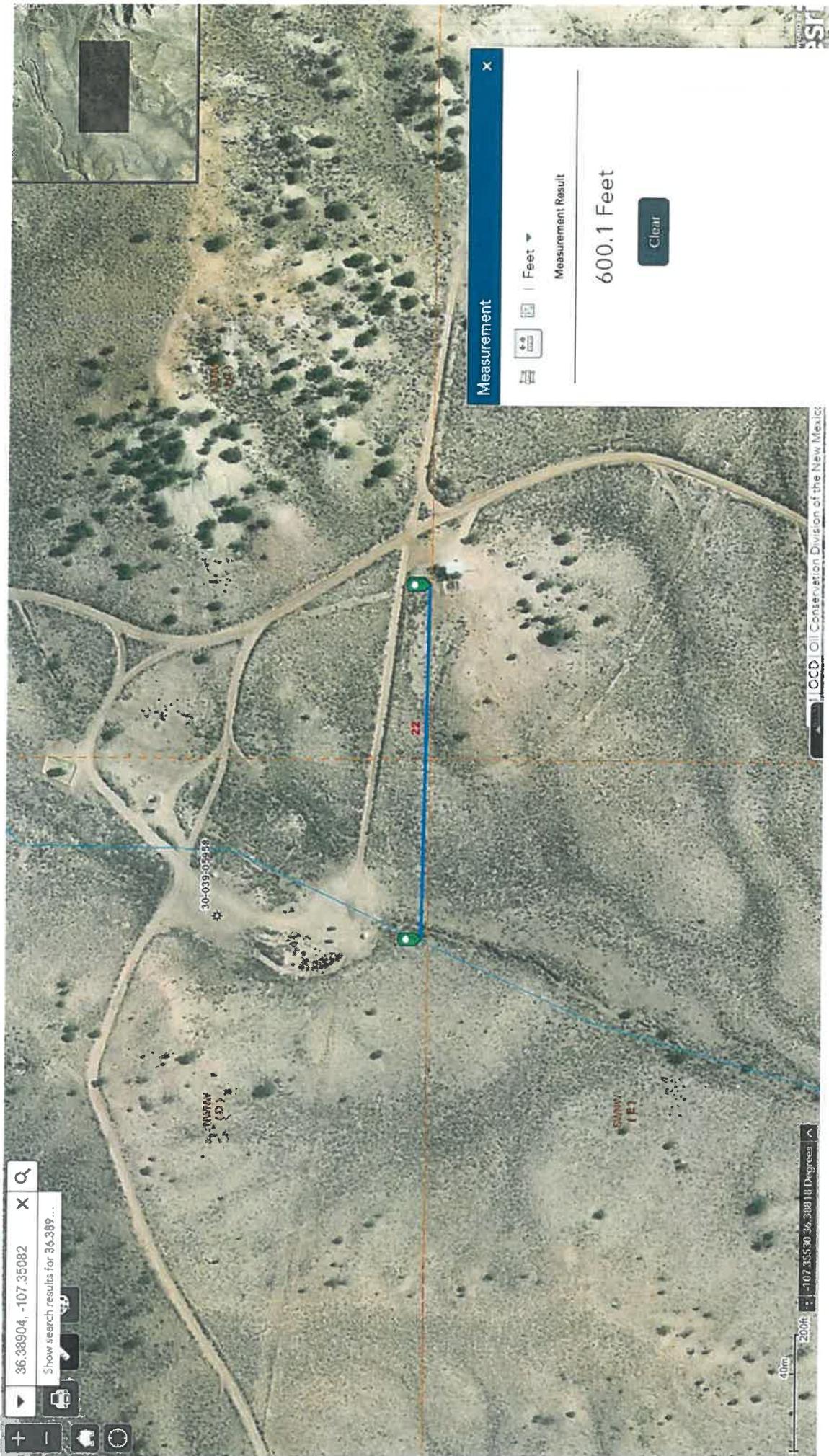
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The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

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5/12/20 11:21 AM

WATER COLUMN/ AVERAGE  
DEPTH TO WATER

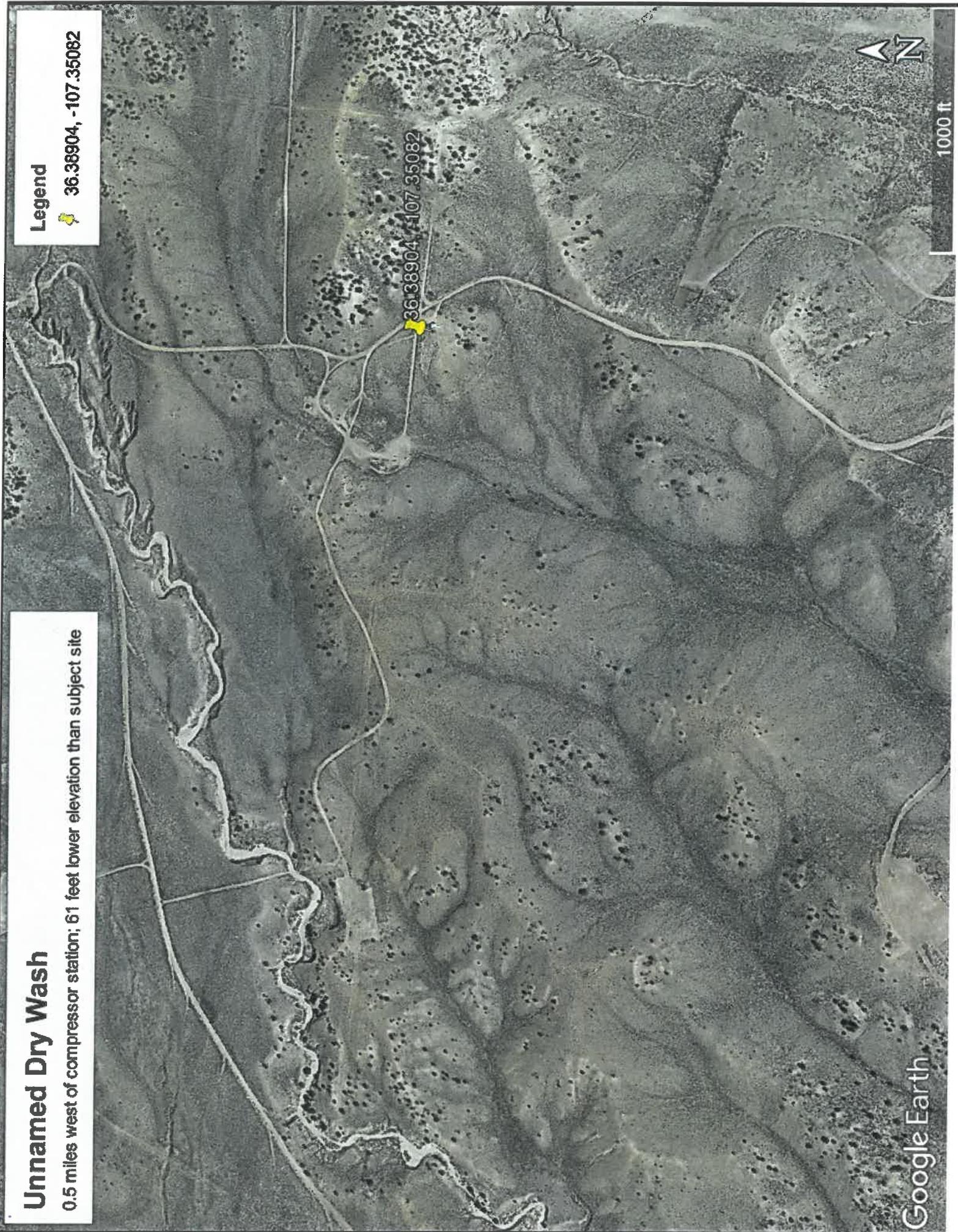


### Unnamed Dry Wash

0.5 miles west of compressor station; 61 feet lower elevation than subject site

#### Legend

 36.38904, -107.35082



**SITE PHOTOGRAPHY  
BGT AND RELEASE CLOSURE REPORT  
DJR OPERATING, LLC.  
JICARILLA APACHE F #6 COMPRESSOR STATION  
PROJECT #17035-0181  
INCIDENT #NRM2006541507**

February 28, 2020



Picture 1: View of Sign



Picture 2: View of BGT Removal

**SITE PHOTOGRAPHY  
BGT AND RELEASE CLOSURE REPORT  
DJR OPERATING, LLC.  
JICARILLA APACHE F #6 COMPRESSOR STATION  
PROJECT #17035-0181  
INCIDENT #NRM2006541507**

March 17, 2020



Picture 3: View of BGT Excavation



Picture 4: View of Backfilled and Recontoured Area



## Analytical Report

### Report Summary

Client: DJR Operating, LLC

Samples Received: 3/17/2020

Job Number: 17035-0181

Work Order: P003094

Project Name/Location: Jicarilla Apache F-6

Confirmation Sampling

Report Reviewed By:

A handwritten signature in black ink that reads 'Walter Hinchman'.

Date: 5/7/20

Walter Hinchman, Laboratory Director

Supplement to analytical report generated on: 3/20/20 1:11 pm



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.



DJR Operating, LLC 1 Rd 3263 Aztec NM, 87410	Project Name: Jicarilla Apache F-6 Confirmation Sampling Project Number: 17035-0181 Project Manager: Felipe Aragon	<b>Reported:</b> 05/07/20 14:18
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**Analytical Report for Samples**

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
F-6 BGT Base	P003094-01A	Soil	03/17/20	03/17/20	Glass Jar, 4 oz.
	P003094-01B	Soil	03/17/20	03/17/20	Glass Jar, 4 oz.
BGT Wall Composite	P003094-02A	Soil	03/17/20	03/17/20	Glass Jar, 4 oz.
	P003094-02B	Soil	03/17/20	03/17/20	Glass Jar, 4 oz.

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DJR Operating, LLC  
1 Rd 3263  
Aztec NM, 87410

Project Name: Jicarilla Apache F-6 Confirmation Sampling  
Project Number: 17035-0181  
Project Manager: Felipe Aragon

Reported:  
05/07/20 14:18

**F-6 BGT Base**  
**P003094-01 (Solid)**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						

**Volatiles Organics by EPA 8021**

Benzene	ND	0.0250	mg/kg	1	2012020	03/18/20	03/18/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2012020	03/18/20	03/18/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2012020	03/18/20	03/18/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2012020	03/18/20	03/18/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2012020	03/18/20	03/18/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2012020	03/18/20	03/18/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %		50-150	2012020	03/18/20	03/18/20	EPA 8021B	

**Nonhalogenated Organics by 8015 - DRO/ORO**

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2012018	03/18/20	03/18/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2012018	03/18/20	03/18/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		90.3 %		50-200	2012018	03/18/20	03/18/20	EPA 8015D	

**Nonhalogenated Organics by 8015 - GRO**

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2012020	03/18/20	03/18/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		86.9 %		50-150	2012020	03/18/20	03/18/20	EPA 8015D	

**Anions by 300.0/9056A**

Chloride	ND	20.0	mg/kg	1	2012021	03/18/20	03/18/20	EPA 300.0/9056A	
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DJR Operating, LLC 1 Rd 3263 Aztec NM, 87410	Project Name: Jicarilla Apache F-6 Confirmation Sampling Project Number: 17035-0181 Project Manager: Felipe Aragon	Reported: 05/07/20 14:18
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**BGT Wall Composite  
P003094-02 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

**Volatiles Organics by EPA 8021**

Benzene	ND	0.0250	mg/kg	1	2012020	03/18/20	03/18/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2012020	03/18/20	03/18/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2012020	03/18/20	03/18/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2012020	03/18/20	03/18/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2012020	03/18/20	03/18/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2012020	03/18/20	03/18/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %		50-150	2012020	03/18/20	03/18/20	EPA 8021B	

**Nonhalogenated Organics by 8015 - DRO/ORO**

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2012018	03/18/20	03/18/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2012018	03/18/20	03/18/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		87.1 %		50-200	2012018	03/18/20	03/18/20	EPA 8015D	

**Nonhalogenated Organics by 8015 - GRO**

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2012020	03/18/20	03/18/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		88.5 %		50-150	2012020	03/18/20	03/18/20	EPA 8015D	

**Anions by 300.0/9056A**

Chloride	ND	20.0	mg/kg	1	2012021	03/18/20	03/18/20	EPA 300.0/9056A	
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DJR Operating, LLC  
1 Rd 3263  
Aztec NM, 87410

Project Name: Jicarilla Apache F-6 Confirmation Sampling  
Project Number: 17035-0181  
Project Manager: Felipe Aragon

Reported:  
05/07/20 14:18

### 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
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#### Batch 2012020 - Purge and Trap EPA 5030A

##### Blank (2012020-BLK1)

Prepared: 03/18/20 0 Analyzed: 03/18/20 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	7.92		"	8.00		99.0	50-150			

##### LCS (2012020-BS1)

Prepared: 03/18/20 0 Analyzed: 03/18/20 1

Benzene	4.79	0.0250	mg/kg	5.00		95.8	70-130			
Toluene	4.93	0.0250	"	5.00		98.7	70-130			
Ethylbenzene	4.86	0.0250	"	5.00		97.1	70-130			
p,m-Xylene	9.66	0.0500	"	10.0		96.6	70-130			
o-Xylene	4.83	0.0250	"	5.00		96.6	70-130			
Total Xylenes	14.5	0.0250	"	15.0		96.6	0-200			
Surrogate: 4-Bromochlorobenzene-PID	8.14		"	8.00		102	50-150			

##### Matrix Spike (2012020-MS1)

Source: P003094-01

Prepared: 03/18/20 0 Analyzed: 03/18/20 1

Benzene	4.92	0.0250	mg/kg	5.00	ND	98.4	54.3-133			
Toluene	5.05	0.0250	"	5.00	ND	101	61.4-130			
Ethylbenzene	4.96	0.0250	"	5.00	ND	99.2	61.4-133			
p,m-Xylene	9.83	0.0500	"	10.0	ND	98.3	63.3-131			
o-Xylene	4.89	0.0250	"	5.00	ND	97.8	63.3-131			
Total Xylenes	14.7	0.0250	"	15.0	ND	98.1	0-200			
Surrogate: 4-Bromochlorobenzene-PID	8.24		"	8.00		103	50-150			

##### Matrix Spike Dup (2012020-MSD1)

Source: P003094-01

Prepared: 03/18/20 0 Analyzed: 03/18/20 1

Benzene	4.83	0.0250	mg/kg	5.00	ND	96.5	54.3-133	1.92	20	
Toluene	4.94	0.0250	"	5.00	ND	98.8	61.4-130	2.27	20	
Ethylbenzene	4.85	0.0250	"	5.00	ND	96.9	61.4-133	2.27	20	
p,m-Xylene	9.62	0.0500	"	10.0	ND	96.2	63.3-131	2.13	20	
o-Xylene	4.81	0.0250	"	5.00	ND	96.3	63.3-131	1.61	20	
Total Xylenes	14.4	0.0250	"	15.0	ND	96.2	0-200	1.96	200	
Surrogate: 4-Bromochlorobenzene-PID	8.11		"	8.00		101	50-150			

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DJR Operating, LLC  
1 Rd 3263  
Aztec NM, 87410

Project Name: Jicarilla Apache F-6 Confirmation Sampling  
Project Number: 17035-0181  
Project Manager: Felipe Aragon

Reported:  
05/07/20 14:18

### Nonhalogenated Organics by 8015 - DRO/ORO - Quality Control

#### Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Notes
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#### Batch 2012018 - DRO Extraction EPA 3570

##### Blank (2012018-BLK1)

Prepared: 03/18/20 0 Analyzed: 03/18/20 1

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Oil Range Organics (C28-C40)	ND	50.0	"							
Surrogate: n-Nonane	42.4		"	50.0		84.9	50-200			

##### LCS (2012018-BS1)

Prepared: 03/18/20 0 Analyzed: 03/18/20 1

Diesel Range Organics (C10-C28)	389	25.0	mg/kg	500		77.9	38-132			
Surrogate: n-Nonane	44.8		"	50.0		89.5	50-200			

##### Matrix Spike (2012018-MS1)

Source: P003093-01

Prepared: 03/18/20 0 Analyzed: 03/18/20 1

Diesel Range Organics (C10-C28)	590	25.0	mg/kg	500	142	89.7	38-132			
Surrogate: n-Nonane	55.9		"	50.0		112	50-200			

##### Matrix Spike Dup (2012018-MSD1)

Source: P003093-01

Prepared: 03/18/20 0 Analyzed: 03/18/20 1

Diesel Range Organics (C10-C28)	604	25.0	mg/kg	500	142	92.5	38-132	2.33	20	
Surrogate: n-Nonane	56.6		"	50.0		113	50-200			

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DJR Operating, LLC 1 Rd 3263 Aztec NM, 87410	Project Name: Jicarilla Apache F-6 Confirmation Sampling Project Number: 17035-0181 Project Manager: Felipe Aragon	Reported: 05/07/20 14:18
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**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
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**Batch 2012020 - Purge and Trap EPA 5030A**

<b>Blank (2012020-BLK1)</b>		Prepared: 03/18/20 0 Analyzed: 03/18/20 1								
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.14		"	8.00		89.3	50-150			
<b>LCS (2012020-BS2)</b>		Prepared: 03/18/20 0 Analyzed: 03/18/20 1								
Gasoline Range Organics (C6-C10)	47.0	20.0	mg/kg	50.0		93.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.20		"	8.00		90.0	50-150			
<b>Matrix Spike (2012020-MS2)</b>		Source: P003094-01		Prepared: 03/18/20 0 Analyzed: 03/18/20 1						
Gasoline Range Organics (C6-C10)	49.3	20.0	mg/kg	50.0	ND	98.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.97		"	8.00		87.2	50-150			
<b>Matrix Spike Dup (2012020-MSD2)</b>		Source: P003094-01		Prepared: 03/18/20 0 Analyzed: 03/18/20 1						
Gasoline Range Organics (C6-C10)	46.2	20.0	mg/kg	50.0	ND	92.3	70-130	6.60	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.99		"	8.00		87.3	50-150			

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DJR Operating, LLC 1 Rd 3263 Aztec NM, 87410	Project Name: Jicarilla Apache F-6 Confirmation Sampling Project Number: 17035-0181 Project Manager: Felipe Aragon	Reported: 05/07/20 14:18
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**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
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**Batch 2012021 - Anion Extraction EPA 300.0/9056A**

<b>Blank (2012021-BLK1)</b>				Prepared & Analyzed: 03/18/20 1						
Chloride	ND	20.0	mg/kg							
<b>LCS (2012021-BS1)</b>				Prepared & Analyzed: 03/18/20 1						
Chloride	251	20.0	mg/kg	250	100	90-110				
<b>Matrix Spike (2012021-MS1)</b>				Source: P003094-01 Prepared & Analyzed: 03/18/20 1						
Chloride	251	20.0	mg/kg	250	ND	100	80-120			
<b>Matrix Spike Dup (2012021-MSD1)</b>				Source: P003094-01 Prepared & Analyzed: 03/18/20 1						
Chloride	252	20.0	mg/kg	250	ND	101	80-120	0.441	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 may differ slightly.

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DJR Operating, LLC	Project Name:	Jicarilla Apache F-6 Confirmation Sampling	
1 Rd 3263	Project Number:	17035-0181	<b>Reported:</b>
Aztec NM, 87410	Project Manager:	Felipe Aragon	05/07/20 14:18

**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.

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Chain of Custody

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<b>Project Information</b> Client: DJR Operating LLC Project: Jicarilla Apache F-6 Confirmation Sampling Project Manager: F Aragon Address: City, State, Zip Phone:		<b>Report Attention</b> Report due by: Email: Address: City, State, Zip Phone:		<b>Lab Use Only</b> Lab WO# P003094 Job Number 17035-0181 Analysis and Method		<b>TAT</b> 1D 3D RCRA CWA SD X		<b>EPA Program</b> NM CO UT X	
<b>Additional Information</b> Email: Gcrabtree Admin Bhall Faragon Tknright Green Jearraig Dcarter		Report due by: Email: Address: City, State, Zip Phone:		Lab WO# P003094 Job Number 17035-0181 Analysis and Method		1D 3D RCRA CWA SD X		NM CO UT X	
Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	Chlorides	8021	DRO/GRO/ORO	Remarks
10:05	3/17/2020	S	2	F-6 BGT Base	1	X	X	X	2-4 oz jars cool
10:15	3/17/2020	S	2	BGT Wall Composite	2	X	X	X	2-4 oz jars cool
10:20	3/17/2020	S	2	F-6 Compressor Comp	3	X	X	X	2-4 oz jars cool
10:30	3/17/2020	S	2	F-6 Earthen Pit Base	4	X	X	X	2-4 oz jars cool
10:35	3/17/2020	S	2	F-6 Earthen Pit Wall Comp	5	X	X	X	2-4 oz jars cool

**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: John

Relinquished by: (Signature) <u>Butter Hill</u>	Date: <u>1455</u>	Time: <u>3/17/20</u>	Received by: (Signature) <u>Rain Lopez</u>	Date: <u>3/17/20</u>	Time: <u>1455</u>
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

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.

Received on ice: T1 Y / N T2 T3  
 AVG Temp °C 4



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