

Received by OCD: 9/23/2019 3:23:16 PM

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-141  
Revised August 24, 2018  
Submit to appropriate OCD District office

Incident ID	
District RP	
Facility ID	
Application ID	

## Release Notification

### Responsible Party

# DENIED

Responsible Party	DJR Operating, LLC	OGRID	371838
Contact Name	Dave Brown	Contact Telephone	505-632-3476
Contact email	<a href="mailto:DBrown@djrlc.com">DBrown@djrlc.com</a>	Incident #	(assigned by OCD)
Contact mailing address	1 Road 3263 Aztec, NM 87410		

### Location of Release Source

Report dosnt meet requirements of 19.15.29.12 NMAC  
Operator did not provided Supporting Documents for  
Siting Criteria/Depth to Water/ etc

Latitude 36.4356419128Longitude 108.154843549

(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Central Bisti Unit #4	Site Type:	PxA well
Date Release Discovered; Site Confirmed	9/4/2019	API# (if applicable)	30-045-13282

Unit Letter	Section	Township	Range	County
C	06	25N	12W	San Juan

Surface Owner: ☐ State ☐ Federal ☒ Tribal ☐ Private (Name: Navajo Tribal Trust )

### Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls) To Be Determined	Volume Recovered (bbls) – To Be Determined
<input type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release During the removal of surface equipment prior to the plugging, contamination was identified in what appears is a previously existing production pit unknown to us prior to the well being acquired by DJR Operating LLC in 2017. The site was delineated to provide an approximation of the areal extent. The Federal Indian Minerals Office recommended additional investigation and remediation be subject to direction from the Navajo Nation. DJR has contacted the Navajo Nation and is awaiting instructions on next steps.

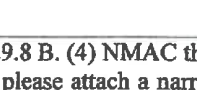
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<p>Was this a major release as defined by 19.15.29.7(A) NMAC?</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>If YES, for what reason(s) does the responsible party consider this a major release?</p>
<p>If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?</p>	

*The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury*

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why: Recoverable materials have not been removed pending direction from the Navajo Nation.	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: <u>Dave Brown</u>	Title: <u>Manager of Government and Regulatory Affairs</u>
Signature: <u></u>	Date: <u>9/20/19</u>
email: <u>DBrown@djrllc.com</u>	Telephone: <u>505-632-3476</u>
<b><u>OCD Only</u></b>	
Received by: _____	Date: _____

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**Site Assessment/Characterization***This information must be provided to the appropriate district office no later than 90 days after the release discovery date.*

What is the shallowest depth to groundwater beneath the area affected by the release?	100 (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release 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?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

**Characterization Report Checklist: Each of the following items must be included in the report.**

- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☒ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☒ Boring or excavation logs
- ☒ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

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I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Dave BrownTitle: Manager of Government and Regulatory AffairsSignature: Date: 12/18/19email: DBrown@djrlc.comTelephone: 505-632-3476**OCD Only**

Received by: \_\_\_\_\_

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



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## Remediation Plan

**Remediation Plan Checklist:** *Each of the following items must be included in the plan.*

- ☒ Detailed description of proposed remediation technique
- ☒ Scaled sitemap with GPS coordinates showing delineation points
- ☒ Estimated volume of material to be remediated
- ☒ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☒ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

**Deferral Requests Only:** *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☐ Extents of contamination must be fully delineated.
- ☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Dave Brown

Title: Manager of Government and Regulatory AffairsSignature: 

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

email: DBrown@djrlc.comTelephone: 505-632-3476**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

☐ Approved☐ Approved with Attached Conditions of Approval☐ Denied☐ Deferral Approved

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

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

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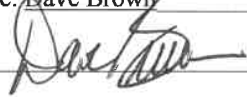
## Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

**Closure Report Attachment Checklist:** *Each of the following items must be included in the closure report.*

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Dave BrownTitle: Manager of Government and Regulatory AffairsSignature: 

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

email: DBrown@djrlc.comTelephone: 505-632-3476**OCD Only**

Received by: \_\_\_\_\_

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

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: \_\_\_\_\_

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

Printed Name: \_\_\_\_\_

Title: \_\_\_\_\_

**DENIED**



December 6, 2019

Project #17035-0150

Mr. Paul Lehrman  
DJR Operating, LLC.  
1 Road 3263  
Aztec, New Mexico 87410

Phone: (505) 632-3476  
Email: [plehrman@djrlc.com](mailto:plehrman@djrlc.com)

**RE: SITE ASSESSMENT AND CLOSURE REPORT FOR A HISTORIC BLOW DOWN PIT LOCATED AT THE CENTRAL BISTI UNIT #4 WELL SITE (API: 30-045-13282), SAN JUAN COUNTY, NEW MEXICO**

Dear Mr. Lehrman,

Enclosed please find the *Site Assessment and Closure Report* detailing site assessment, excavation, transportation, disposal, and confirmation soil sampling activities conducted at the Central Bisti Unit #4 well site, located in Section 6, Township 25N, Range 12W, San Juan County, New Mexico.

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.**

A handwritten signature in blue ink that reads 'Brittany Hall'.

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

Enclosure: Site Assessment and Closure Report

Cc: Client File Number 17035



# **SITE ASSESSMENT AND CLOSURE REPORT**

**LOCATION:  
CENTRAL BISTI UNIT #4 WELL SITE  
SECTION 6, TOWNSHIP 25N, RANGE 12W  
SAN JUAN COUNTY, NEW MEXICO**

**CONTRACTED BY:  
MR. PAUL LEHRMAN  
DJR OPERATING, LLC.  
1 ROAD 3263  
AZTEC, NEW MEXICO 87410**

**PROJECT #17035-0150  
NOVEMBER 2019**

**DJR OPERATING, LLC  
SITE ASSESSMENT AND CLOSURE REPORT  
CENTRAL BISTI UNIT #4; API: 30-045-13282  
SECTION 6, TOWNSHIP 25N, RANGE 12W  
SAN JUAN COUNTY, NEW MEXICO  
PROJECT #17035-0150**

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*Practical Solutions for a Better Tomorrow*



DJR Operating, LLC  
Site Assessment and Closure Report  
Central Bisti Unit #4 Well Site  
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## Introduction

Envirotech, Inc. (Envirotech) of Farmington, New Mexico, was contracted by DJR Operating, LLC (DJR) to provide site assessment, excavation, and confirmation sampling activities for a historic blow down pit at the Central Bisti Unit #4 (CBU #4) well site (API:30-045-13282) located in Section 6, Township 25 North, Range 12 West, San Juan County, New Mexico; see **Figure 1, Vicinity Map**.

## Site Assessment Activities

### **Pre-field Coordination**

Prior to remediation activities, an underground utility locate request was submitted to New Mexico 811 on August 29, 2019. Copies of the notifications and permits are provided in **Appendix A, Notifications**.

### **Site Assessment**

On September 4, 2019, Envirotech personnel arrived at the site to perform site assessment activities. Utilizing a miniature excavator, five (5) test pits were excavated within the area of the historic blow down pit. The test pits were identified as Center, East, South, North, and West. The total depths of each test pit below ground surface (bgs) are as follows:

- Center: 9 feet
- East: 6 feet
- South: 7 feet
- North: 5 feet bgs
- West: 5' bgs

### Field Screening

Field screening for volatile organic compounds (VOCs) was conducted with a photo-ionization detector (PID) organic vapor meter (OVM). Before beginning field screening, the PID-OVM was first calibrated with 100 parts per million (ppm) isobutylene gas. Field analytical protocol followed the manufacture's operating procedure. The test pits were screened in the field for VOCs every foot, and field screening results are documented in **Appendix B, Field Notes**.

### Soil Sample Collection

One (1) grab sample was collected from the test pit identified as Center at a depth of 8 feet bgs. The sample was placed into individual laboratory provided 4-ounce jars, capped head space free, and transported on ice to Envirotech Analytical Laboratory. The sample was analyzed for total petroleum hydrocarbons (TPH) as gasoline, diesel, and oil range organics (GRO/DRO/ORO) using EPA Method 8015D; benzene, toluene, ethylbenzene, and total xylenes (BTEX) using





EPA Method 8021B; and chlorides using EPA Method 300.0. Soil sample locations are illustrated in **Figure 2, Site Assessment Map** and **Appendix C, Site Photography**.

#### Regulatory Standards

The following New Mexico Oil Conservation Division (NMOCD) closure criteria from *Table 1 in 19.15.29.12 (E) New Mexico Administrative Code (NMAC)* was used as the release closure criteria:

- Chloride – 10,000 mg/kg
- TPH (GRO+DRO) – 1,000 mg/kg
- TPH (GRO+DRO+ORO) – 2,500 mg/kg
- BTEX - 50 mg/kg
- Benzene - 10 mg/kg

Siting criteria documentation is provided in **Appendix D, Siting Criteria Documentation**.

#### Laboratory Analytical Results

The soil sample collected for laboratory analysis reported TPH concentration as 386 mg/kg for GRO, 16,800 mg/kg for DRO, and 6,900 mg/kg for ORO, which exceeded the closure criteria. Chloride concentration was reported as 149 mg/kg; benzene concentration was reported as 1.58 mg/kg; and BTEX concentration was reported as 31.9 mg/kg. Analytical results are summarized in **Appendix E, Laboratory Analytical Report** and **Table 1, Summary of Soil Analytical Results**.

Based on field screening activities and the laboratory analytical results, Envirotech recommended further excavation of the historic blow down pit. Envirotech recommended the impacted area be excavated to approximately 20 feet by 15 feet by 12 feet bgs.

### Remediation Activities

#### **Pre-field Coordination**

Prior to remediation activities, the underground utility locate request submitted to New Mexico 811 was renewed on September 16, 2019. Copies of the notifications and permits are provided in **Appendix A, Notifications**.

#### **PCS Excavation**

Excavation of the impacted area began on November 5, 2019. Prior to entering the site, a Job Safety Analysis was performed. The impacted area was excavated utilizing a trackhoe. The



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excavation measured 24 feet by 26 feet with a depth ranging from 8 feet to 10 feet bgs. All contaminated soil was loaded directly into dump trucks to be transported for disposal at Envirotech's NMOCD permitted soil remediation facility, *Landfarm 2*, located near Hilltop, New Mexico. Excavation activities are illustrated in **Figure 3, Site Map** and **Appendix C, Site Photography**.

### Soil Sample Field Screening

For field screening and confirmation sampling purposes, the excavation was divided into five (5) sections: West Wall, North Wall, East Wall, South Wall, and Base. The excavation was guided using field screening methods for VOCs and TPH. Field screening for VOCs was conducted with a PID-OVM. Prior to field screening, the PID-OVM was first calibrated with 100 ppm isobutylene gas. Soil samples collected were also analyzed in the field for TPH per EPA Method 418.1 using an Infracal Total Oil and Gas (TOG)/ TPH Analyzer. A 3-point calibration was completed prior to conducting soil analyses. Field analytical protocol followed the manufacture's operating procedure.

#### Field Screening Results

Six soil samples were collected from the excavation. Field screening results are as follows:

- Base Center @ 10': 1.8 ppm for VOCs and 600 mg/kg for TPH;
- Base Perimeter @ 8': 6.3 ppm for VOCs and 120 mg/kg for TPH;
- West Wall: 2.4 ppm for VOCs and 1,284 mg/kg for TPH;
- North Wall: 0.08 ppm for VOCs and 192 mg/kg for TPH;
- East Wall: 0.06 ppm for VOCs and 604 mg/kg for TPH; and
- South Wall: 0.03 ppm for VOCs and 80 mg/kg for TPH.

Field screening results are documented in **Appendix B, Field Notes** and **Appendix F, EPA Method 418.1 Field Screening Results**.

### Confirmation Soil Sample Collection – November 12, 2019

Envirotech personnel returned to the site on November 12, 2019, to collect confirmation samples from the excavation. Prior to arriving to the site, notification was given to NMOCD and Navajo Nation Environmental Protection Agency (NNEPA) representatives. One (1) five-point composite sample was collected from each section. Confirmation sampling was witnessed by Steven Austin, NNEPA representative. Samples were placed into individual laboratory provided 4-ounce jars, capped head space free, and transported on ice to Envirotech Analytical



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Laboratory. Soil samples were analyzed for TPH as GRO/DRO/ORO using EPA Method 8015D; BTEX using EPA Method 8021B; and chlorides using EPA Method 300.0.

#### Laboratory Analytical Results

All soil samples collected for laboratory analysis returned results below the NMOCD closure criteria except for the Base Center which returned results of 1,220 mg/kg for DRO.

#### **PCS Excavation and Confirmation Soil Sample Collection – November 22, 2019**

Envirotech personnel returned to the site on November 22, 2019, to perform excavation of the Base Center and collect a confirmation sample. Utilizing a trackhoe, the Base Center was excavated in depth approximately 2 additional feet. The final excavation area measured 24 feet by 26 feet with a depth ranging from 8 feet to 12 feet bgs.

One (1) confirmation sample was collected from the Base Center. Confirmation sampling was witnessed by Cory Smith, NMOCD representative, and Steven Austin, NNEPA representative. The soil sample was placed into individual laboratory provided 4-ounce jars, capped head space free, and transported on ice to Envirotech Analytical Laboratory and analyzed for TPH as GRO/DRO/ORO using EPA Method 8015D; BTEX using EPA Method 8021B; and chlorides using EPA Method 300.0. The Base Center soil sample returned results below the NMOCD closure criteria.

#### **PCS Disposal and Site Restoration**

Approximately 110 cubic yards of contaminated soil were excavated from the site and transported to Envirotech's NMOCD permitted soil remediation facility, *Landfarm 2*, located near Hilltop, New Mexico. To complete site restoration, clean backfill was transported to the site. The impacted area was backfilled and re-contoured to pre-incident condition on November 27, 2019. Transport and disposal documentation are provided in **Appendix G, Bills of Lading** and **Special Waste Manifest**.

#### Summary and Conclusions

On November 5 and 12, 2019, Envirotech personnel completed excavation and confirmation sampling of soil impacted by a historic blow down pit at the CBU #4 well site, San Juan County, New Mexico. Subsequently, Envirotech returned to the site on November 22, 2019, to further excavate and collect confirmation samples from the center base of the excavation which had undergone additional remediation excavation.



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Based on the final laboratory analytical results of the excavation at the location, GRO, DRO, ORO, BTEX, and chlorides were below the applicable NMOCD and NNEPA Closure Criteria for Soils Impacted by a Release. DJR Operating will perform final reclamation of the site. Envirotech recommends **No Further Action** regarding the subject release site.

#### Statement of Limitations

The work and services provided by Envirotech were in accordance with NMOCD and NNEPA standards. All observations and conclusions provided here are based on the information and current site conditions found at the site of the incident. 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.

A handwritten signature in blue ink that reads 'Brittany Hall'.

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

Reviewed by:

A handwritten signature in blue ink that reads 'Felipe Aragon'.

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

## FIGURES

Figure 1, *Vicinity Map*

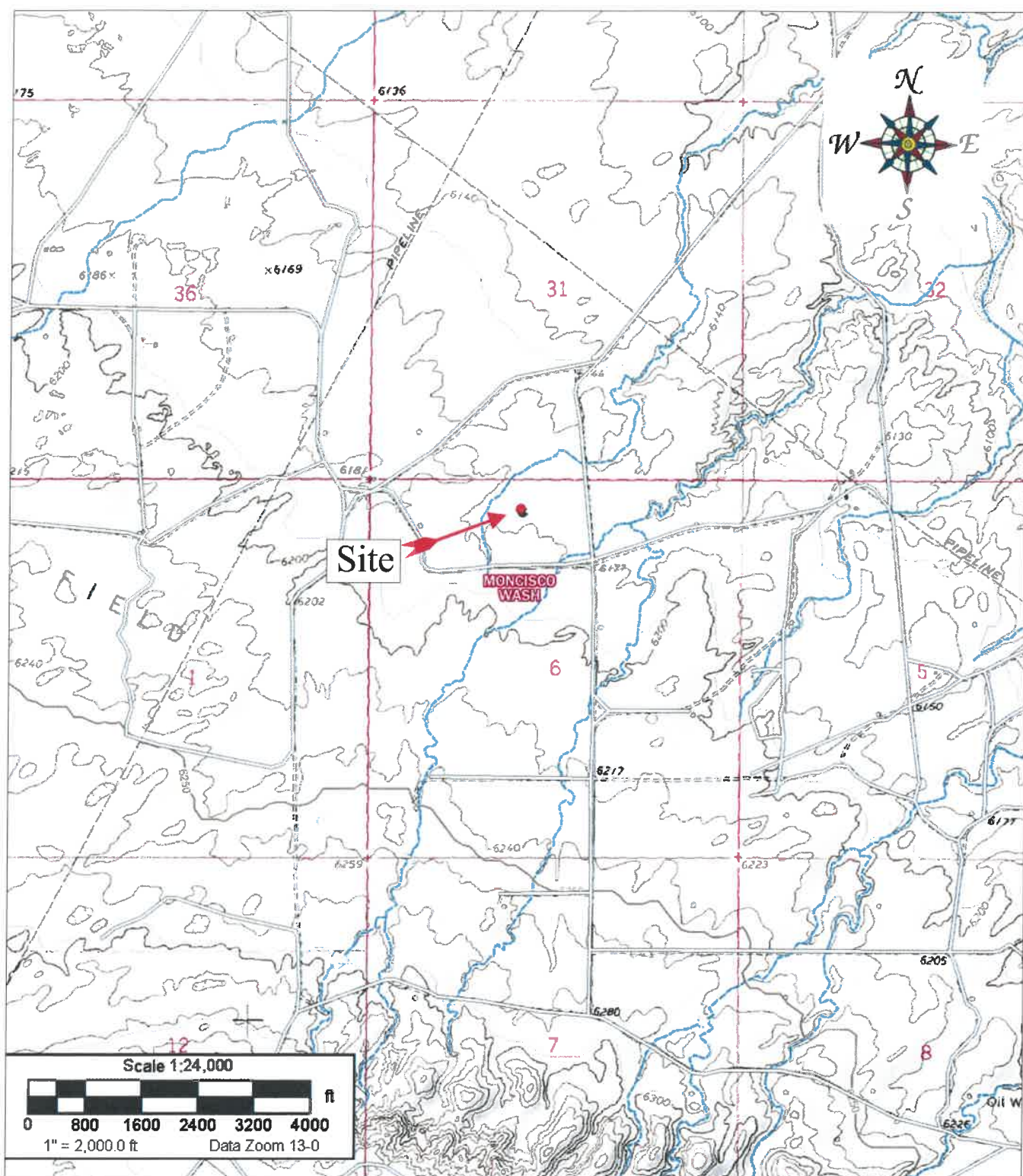
Figure 2, *Site Assessment Map*

Figure 3, *Site Map*



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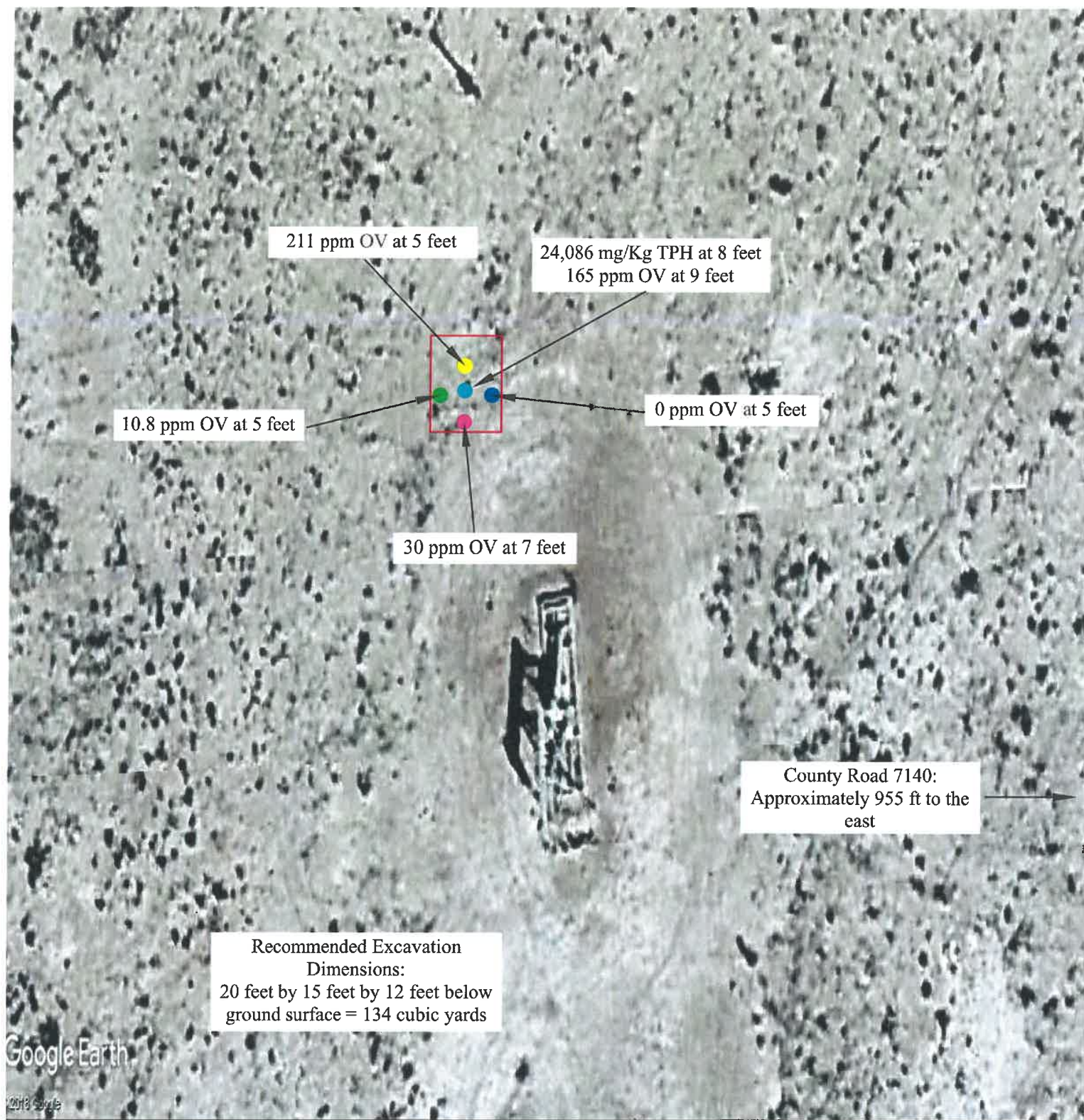




Source: 7.5 Minute, Moncisco Wash, New Mexico U.S.G.S. Topographic Quadrangle Map  
 Scale: 1:24,000 1" = 2,000

DJR Operating, LLC. Central Bisti #4 Well Site API: 30-045-13282 Section 6, Township 25N, Range 12W San Juan County, New Mexico 36.436299, -108.154418	 ENVIRONMENTAL SCIENTISTS & ENGINEERS 5796 U.S. HIGHWAY 64 Farmington, New Mexico 87401 505.632.0615	Vicinity Map	
Project Number: 17035-0150    Date Drawn: 11/27/2019		Figure #1 DRAWN BY: Brittany Hall    PROJECT MANAGER: Felipe Aragon	





### Legend

□ - Location of Former Pit

● - North

● - East

● - Center

● - West

● - South

OV = Organic Vapors



MAP DRAWN BY:

BAH

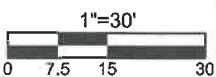
9/12/2019

REVISIONS BY:

APPROVED BY:

FRA

9/16/2019



## Figure 2, Site Map

DJR Operating

API: 30-045-13282

Central Bisti Unit #4 Well Site

Section 6, Township 25N, Range 12W

36.435619128, -108.154843549

Sandoval County, New Mexico

Project #17035-0150



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





### Legend

- -Base Center      ● -East Wall
- -Base Perimeter      ● - West Wall
- -South Wall      ● - North Wall

Sample points are a 5-point composite sample representative of 200 square feet



MAP DRAWN BY:

BAH  
11/27/2019

REVISIONS BY:

BAH  
12/5/2019

APPROVED BY:

NAME  
DATE

1"=30'

0 7.5 15 30

## Figure 3, Site Map

DJR Operating  
Central Bisti Unit #4 Closure Report  
Section 6, Township 25N, Range 12W  
36.436299, -108.154418  
San Juan County, New Mexico  
Project #17035-0150



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

## TABLES

Table 1, *Summary of Soil Analytical Results*



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**Table 1, Summary of Soil Analytical Results**  
**DJR Operating, LLC**  
**Site Assessment and Closure Report**  
**Central Bisti Unit #4; API: 30-045-13282**  
**Section 6, Township 25N, Range 12W**  
**San Juan County, New Mexico**  
**Project #17035-0150**

Sample Description*	Date	Sample Depth	EPA Method 8015			EPA Method	
			GRO (mg/kg)	DRO (mg/kg)	ORO (mg/kg)	Benzene (mg/kg)	Total (n
NMOCD Closure Criteria for Soils Impacted by a Release [Table 1 -19.15.29.12 (E) NMAC]			1,000 mg/kg			10 mg/kg	50
			2,500 mg/kg				
Center @ 8'	9/4/2019	1 - 3 inches	386	16,800	6,900	1.58	
West Wall	11/5/2019	1 - 3 inches	<20.0	327	271	NA	
North Wall	11/12/2019	1 - 3 inches	<20.0	<25.0	<50.0	<0.025	
East Wall	11/12/2019	1 - 3 inches	<20.0	<25.0	<50.0	<0.025	
South Wall	11/12/2019	1 - 3 inches	<20.0	<25.0	<50.0	<0.025	
West Wall	11/12/2019	1 - 3 inches	<20.0	<25.0	<50.0	<0.025	
Base Perimeter	11/12/2019	1 - 3 inches	<20.0	767	629	<0.025	
Base Center	11/12/2019	1 - 3 inches	<20.0	1,220	933	<0.025	
Base Center	11/22/2019	1 - 3 inches	<20.0	920	368	<0.025	

\*5-point composite soil samples; **BOLD** - above NMOCD Closure Criteria

NA = Not Analyzed

Indicates Confirmation Closure Sample



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## **APPENDIX A**

### *Notifications*



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## ONE CALL INFORMATION



Know what's below.  
Call before you dig.

Location *Central Dist. Unit #4*

Ticket Number 19AG290587

Re-spot	New	Reg.
---------	-----	------

**Emergency** \_\_\_\_\_ **Reg. 1**

Date of One Call: \_\_\_\_\_ Date OK to dig: \_\_\_\_\_

Date Expires: 9-24-19 14:30

Caller's Name: Felipe Arana

Operator's Name: \_\_\_\_\_

**Alternate Contact:** \_\_\_\_\_

**Phone Number :**

Work For: ASR

Type of Work: Remediation

Explosive: (circle one) YES NO

**Directional Boring: (circle one)**      YES      NO

Address: 36,435 619 - 108,15484

County SS

Nearest Town (if emergency): Bloomfield

Nearest Intersection: ~~7410-7410/171~~

**Crew on Site** **Crew En-route**

Type of Service: 77901 7793

Township: 25N Range: 12W Section: 6 Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_

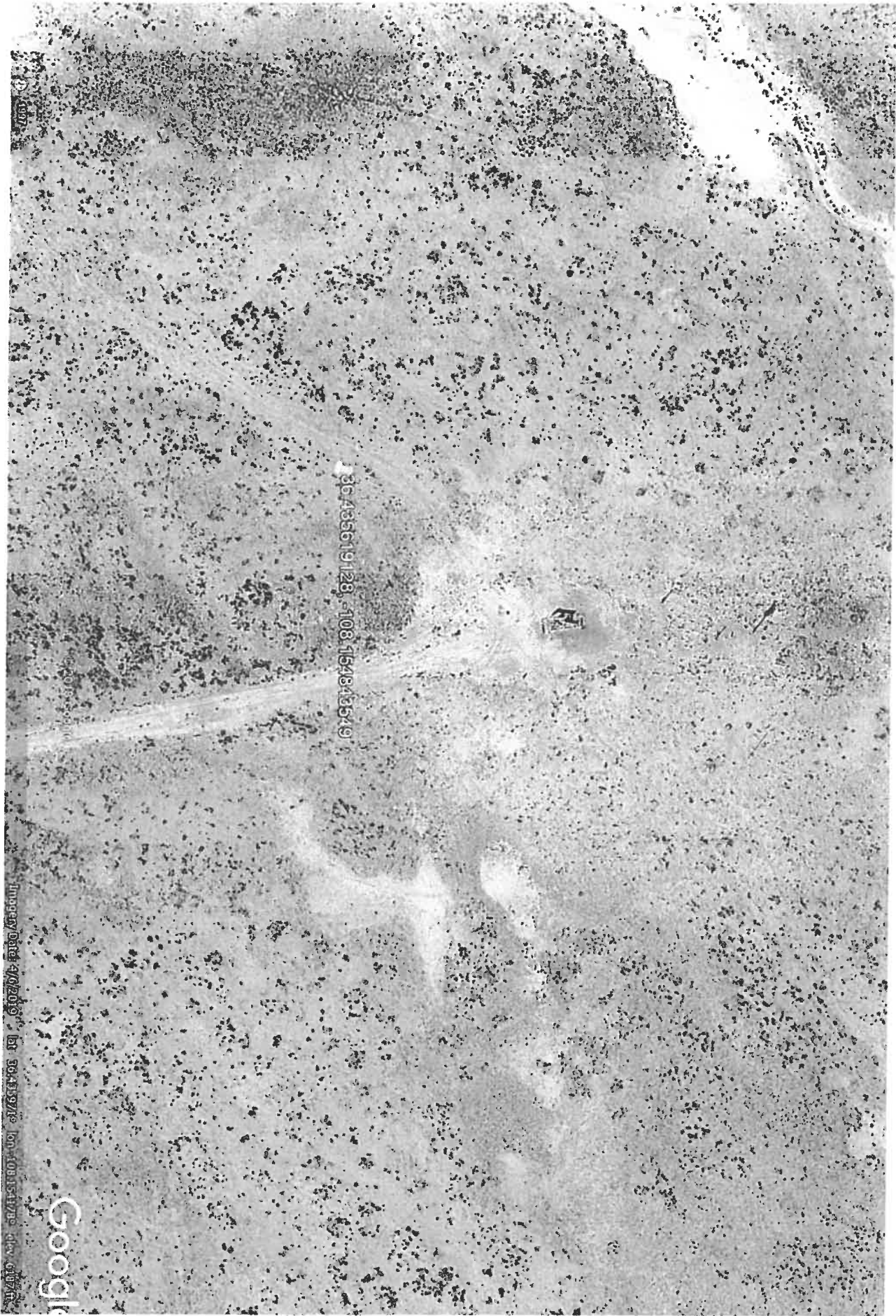
Driving Directions: Intersection of 7145 & 7140. Drive West

on 7145 0.16 miles turn north on  
well access road Drive 0.14 miles to  
Site Area in orange fence

### Area to Locate

[illegible]



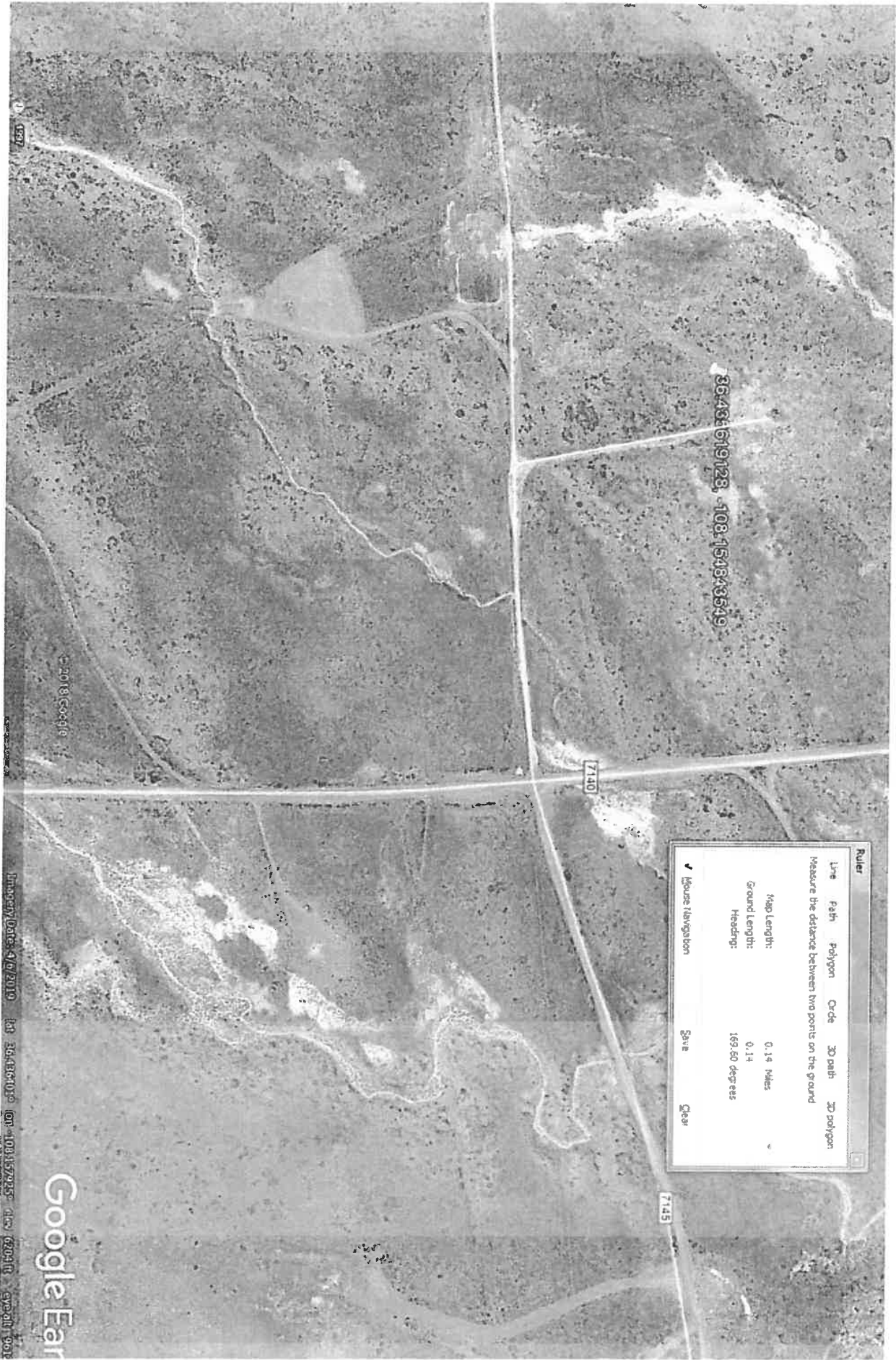


36.435619128, -108.154843549

Imagery Date: 4/6/2019 | Lat: 36.435719 | Lon: -108.154778 | Elev: 6107 ft

Google





## **APPENDIX B**

### *Field Notes*



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[illegible]

Center

- 2' - black, strong odor 1810  
 3' - black, strong odor 1724  
 4' - black, strong odor 991  
 5' - black, strong odor 1221  
 6' - black, strong odor 1651  
 7' - grey, black odor 2105  
 8' - grey, black odor 312  
 9' - grey, black odor 165

East

- 2' - black, grey odor 56  
 3' - grey, odor 60  
 4' - discolored, black odor 2.5  
 5' - slight discolored no odor 0  
 6' - clear, clear 0

South

- 2' - black, strong odor 724  
 3' - black, grey odor 375  
 4' - grey, odor 88  
 5' - grey, odor 76  
 6' - grey, black, odor 850  
 7' - cleaning little - no odor 50

North

- 2' - discolored, odor 111  
 3' - black, strong odor 560  
 4' - slight discolored, little - no odor 178  
 5' - clear - clear 211

West

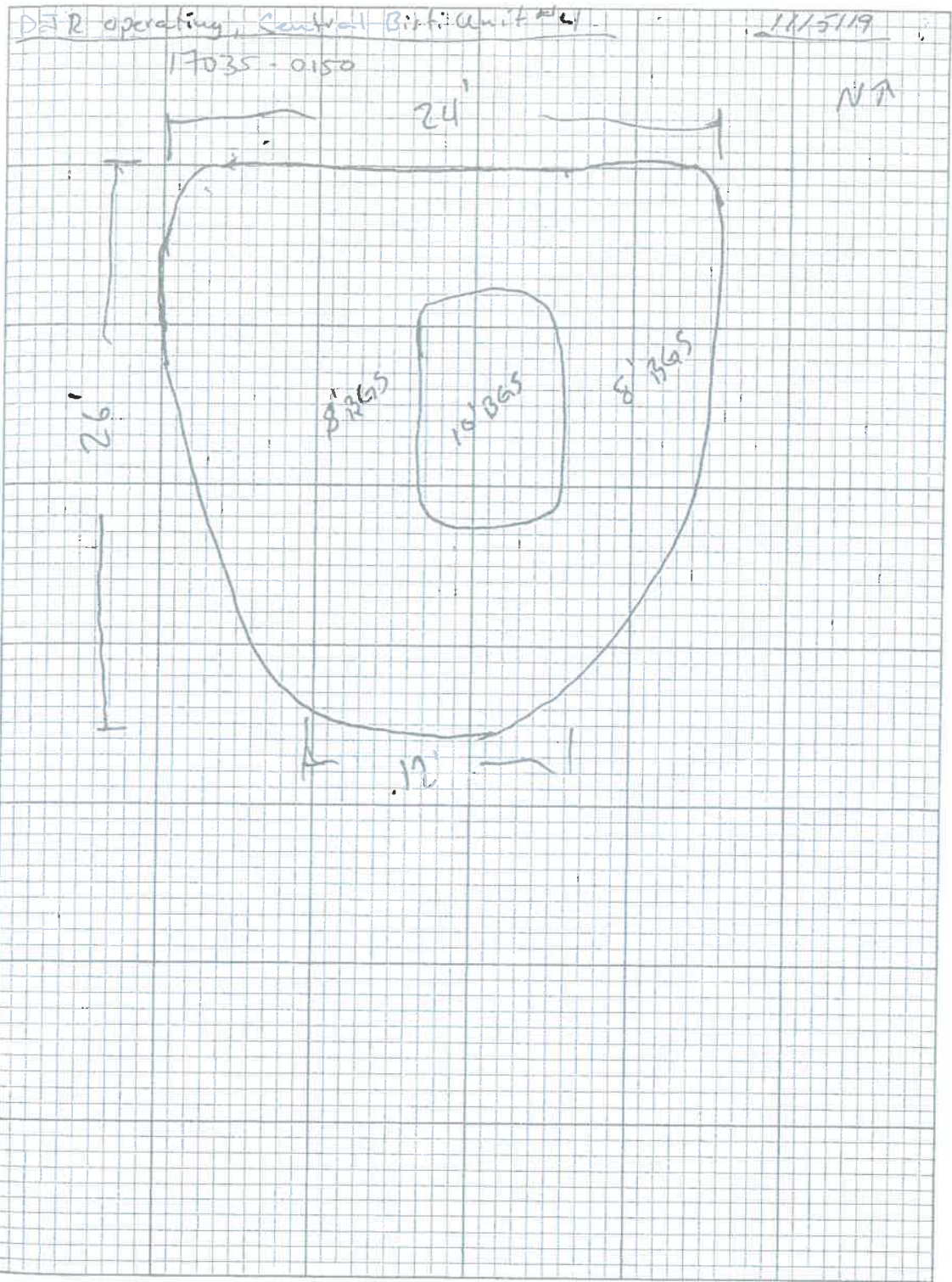
- 2' - black, strong odor 229  
 3' - grey, black odor 256  
 4' - grey, black odor 985  
 5' - clear, little - no odor 10.8

M

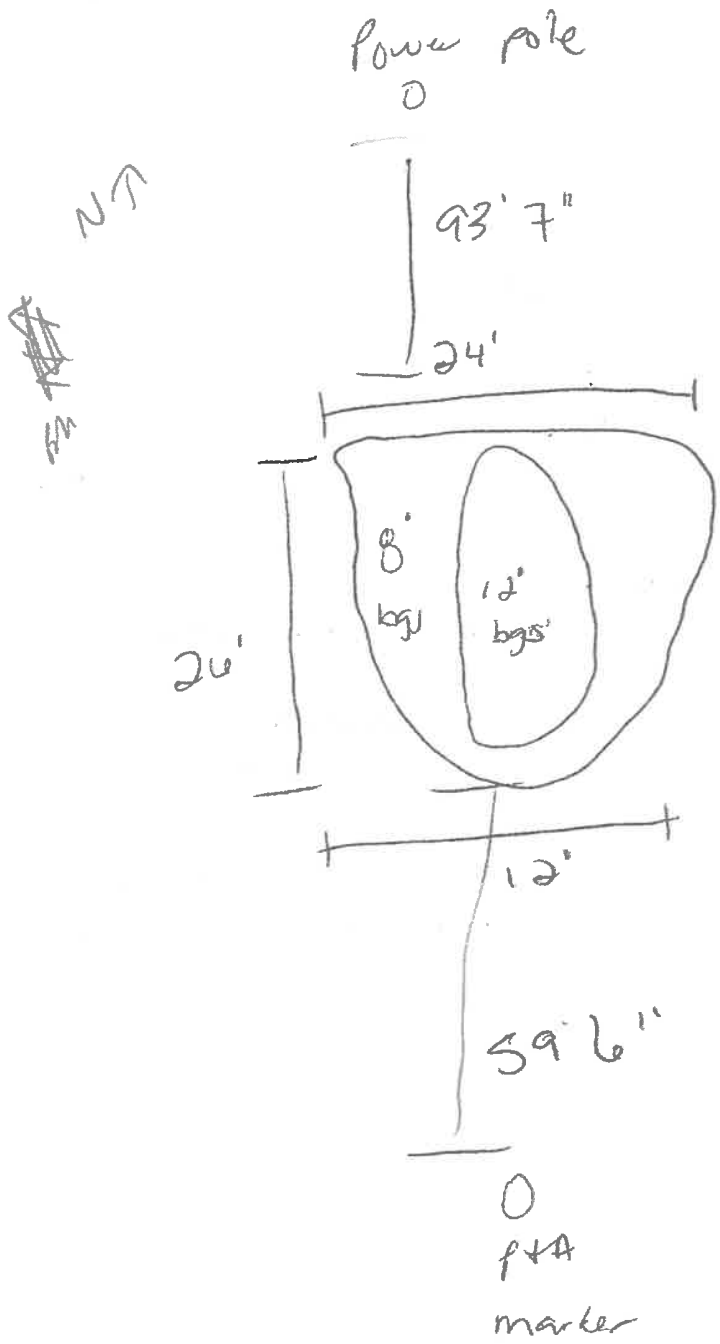


DTR operating, Central Dist. Unit #4			11/5/19
17035-0150 Isaac Garcia			
Sample ID	Time	TPH	OUN
Base Center @ 4'	10:00		890
Base Center @ 6'	10:15		146
Base Center @ 10'	11:06	$150 \times 4 = 600$	1.8
Base perimeter @ 8'	11:09	$36 \times 4 = 120$	6.3
West Wall	11:11	$321 \times 4 = 1284$	2.4
North Wall	11:13	$48 \times 4 = 192$	1.08
East Wall	11:16	$151 \times 4 = 604$	1.06
South Wall	11:18	$29 \times 4 = 80$	1.03
200 standard	12:42	186	





[illegible]



## APPENDIX C

### *Site Photography*

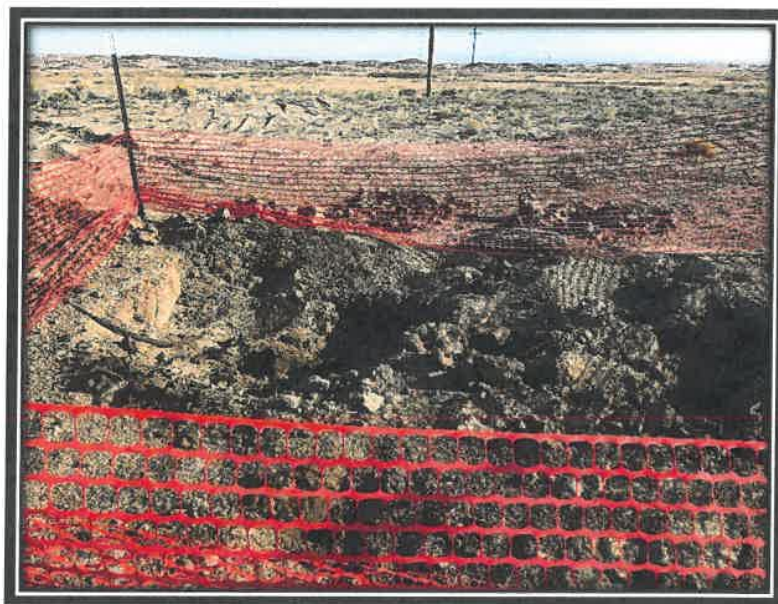


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**SITE PHOTOGRAPHY  
SITE ASSESSMENT AND CLOSURE REPORT  
DJR OPERATING, LLC.  
CENTRAL BISTI UNIT #4 WELL SITE  
PROJECT #17035-0150  
NOVEMBER 2019**

**Site Assessment- September 4, 2019**



Picture 1: Site Assessment Activities (View 1)



Picture 2: Site Assessment Activities (View 2)

**SITE PHOTOGRAPHY  
SITE ASSESSMENT AND CLOSURE REPORT  
DJR OPERATING, LLC.  
CENTRAL BISTI UNIT #4 WELL SITE  
PROJECT #17035-0150  
NOVEMBER 2019**

**Remediation Activities- November 5, 2019**



Picture 3: View of West Wall



Picture 4: View of Base Center and Base Perimeter



**SITE PHOTOGRAPHY  
SITE ASSESSMENT AND CLOSURE REPORT  
DJR OPERATING, LLC.  
CENTRAL BISTI UNIT #4 WELL SITE  
PROJECT #17035-0150  
NOVEMBER 2019**



Picture 5: View of South Wall



Picture 6: View of North Wall

**SITE PHOTOGRAPHY  
SITE ASSESSMENT AND CLOSURE REPORT  
DJR OPERATING, LLC.  
CENTRAL BISTI UNIT #4 WELL SITE  
PROJECT #17035-0150  
NOVEMBER 2019**



Picture 7: View of East Wall

**Confirmation Sampling- November 12, 2019**



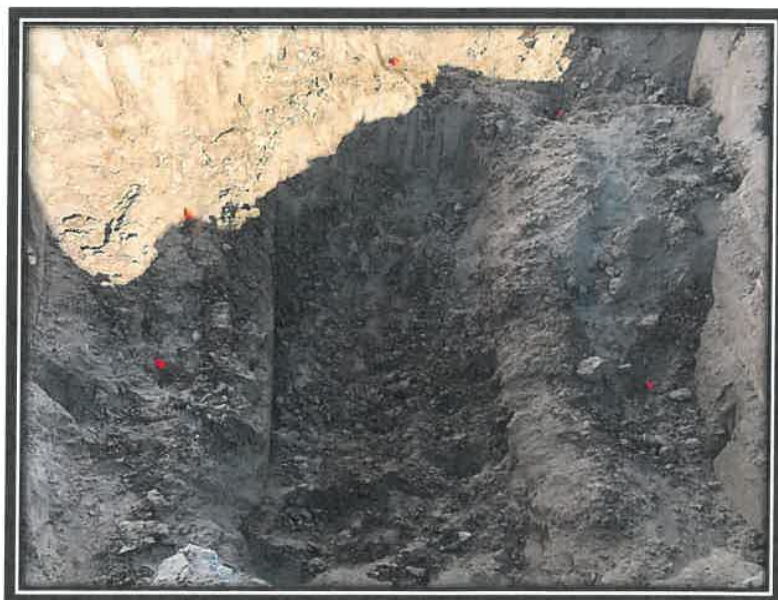
Picture 8: View of West Wall with Pin Flags (indicating sampling points)



**SITE PHOTOGRAPHY  
SITE ASSESSMENT AND CLOSURE REPORT  
DJR OPERATING, LLC.  
CENTRAL BISTI UNIT #4 WELL SITE  
PROJECT #17035-0150  
NOVEMBER 2019**



Picture 9: View of South Wall with Pin Flags (indicating sampling points)



Picture 10: View of Base Perimeter with Pin Flags (indicating sampling points)

**SITE PHOTOGRAPHY  
SITE ASSESSMENT AND CLOSURE REPORT  
DJR OPERATING, LLC.  
CENTRAL BISTI UNIT #4 WELL SITE  
PROJECT #17035-0150  
NOVEMBER 2019**



Picture 11: View of North Wall with Pin Flags (indicating sampling points)



Picture 12: View of Base Center with Pin Flags (indicating sampling points)



**SITE PHOTOGRAPHY  
SITE ASSESSMENT AND CLOSURE REPORT  
DJR OPERATING, LLC.  
CENTRAL BISTI UNIT #4 WELL SITE  
PROJECT #17035-0150  
NOVEMBER 2019**

**Remediation and Confirmation Sampling- November 22, 2019**



Picture 13: View of Additional Excavation of Base Center



Picture 14: View of Base Center Sampling Points

**SITE PHOTOGRAPHY  
SITE ASSESSMENT AND CLOSURE REPORT  
DJR OPERATING, LLC.  
CENTRAL BISTI UNIT #4 WELL SITE  
PROJECT #17035-0150  
NOVEMBER 2019**



Picture 15: View of Recontoured Area (View 1)



Picture 16: View of Recontoured Area (View 2)



## **APPENDIX D**

### *Siting Criteria Documentation*



*Practical Solutions for a Better Tomorrow*

<b>Site Name:</b>	Central Bisti Unit # 004			
<b>API #:</b>	30-045-13282			
<b>Lat/Long:</b>	36.4356419128, -108.154843549			
<b>TRS:</b>	660' FNL X 1980' FWL Unit "C" - Sec 6-T25N-R12W			
<b>Land Jurisdiction:</b>	Tribal Trust of Indian Allotment			
<b>County:</b>	San Juan			
<b>Wellhead Protection Area Assessment</b>				
<b>Water Source Type</b> (well/spring/stock pond)	<b>ID</b>	<b>Latitude</b>	<b>Longitude</b>	<b>Distance</b>
None				
<b>Distance to Nearest Significant Watercourse</b>				
4,281 ft Southwest - Gallegos Canyon				
<b>Depth to Groundwater Determination</b>				
Cathodic Report/Site Specific Hydrogeology	Not available			
Elevation Differential	109 ft higher than Gallegos Canyon			
Water Wells	SJ 01716 DTW 210 ft			
<b>Sensitive Receptor Determination</b>				
<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			
<b>DTW Determination</b>	<b>≤50</b> <input type="checkbox"/>	<b>50-100</b> <input type="checkbox"/>	<b>&gt;100</b> <input checked="" type="checkbox"/>	
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	

## APPENDIX E

### *Laboratory Analytical Reports*



*Practical Solutions for a Better Tomorrow*



## Analytical Report

### Report Summary

Client: DJR Operating, LLC

Samples Received: 9/9/2019

Job Number: 17035-0113

Work Order: P909015

Project Name/Location: Central Bisti Unit  
#4-Historic Blow Down Pit

Report Reviewed By:

A handwritten signature in black ink, appearing to read 'Walter Hinchman', is written over a horizontal line.

Date: 12/6/19

Walter Hinchman, Laboratory Director

Supplement to analytical report generated on: 9/13/19 1:37 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: Central Bisti Unit #4-Historic Blow Down Pit  
Project Number: 17035-0113  
Project Manager: Felipe Aragon

**Reported:**  
12/06/19 11:24

### Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Center @ 8'	P909015-01A	Soil	09/04/19	09/09/19	Glass Jar, 4 oz.
	P909015-01B	Soil	09/04/19	09/09/19	Glass Jar, 4 oz.

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DJR Operating, LLC  
1 Rd 3263  
Aztec NM, 87410

Project Name: Central Bisti Unit #4-Historic Blow Down Pit  
Project Number: 17035-0113  
Project Manager: Felipe Aragon

Reported:  
12/06/19 11:24

**Center @ 8'**  
**P909015-01 (Solid)**

Reporting

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-------	-------	----------	-------	----------	----------	--------	-------

**Volatile Organics by EPA 8021**

Benzene	1.58	0.250	mg/kg	10	1937002	09/09/19	09/09/19	EPA 8021B	
Toluene	3.44	0.250	mg/kg	10	1937002	09/09/19	09/09/19	EPA 8021B	
Ethylbenzene	4.28	0.250	mg/kg	10	1937002	09/09/19	09/09/19	EPA 8021B	
p,m-Xylene	15.1	0.500	mg/kg	10	1937002	09/09/19	09/09/19	EPA 8021B	
o-Xylene	7.46	0.250	mg/kg	10	1937002	09/09/19	09/09/19	EPA 8021B	
Total Xylenes	22.6	0.250	mg/kg	10	1937002	09/09/19	09/09/19	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		111 %		50-150	1937002	09/09/19	09/09/19	EPA 8021B	

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

Diesel Range Organics (C10-C28)	16800	2500	mg/kg	100	1937008	09/09/19	09/13/19	EPA 8015D	
Oil Range Organics (C28-C40)	6900	5000	mg/kg	100	1937008	09/09/19	09/13/19	EPA 8015D	
Surrogate: n-Nonane		%		50-200	1937008	09/09/19	09/13/19	EPA 8015D	Surr2

**Nonhalogenated Organics by 8015 - GRO**

Gasoline Range Organics (C6-C10)	386	200	mg/kg	10	1937002	09/09/19	09/09/19	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		103 %		50-150	1937002	09/09/19	09/09/19	EPA 8015D	

**Anions by 300.0/9056A**

Chloride	149	20.0	mg/kg	1	1937001	09/09/19	09/10/19	EPA 300.0/9056A	
----------	-----	------	-------	---	---------	----------	----------	--------------------	--

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DJR Operating, LLC  
1 Rd 3263  
Aztec NM, 87410

Project Name: Central Bisti Unit #4-Historic Blow Down Pit  
Project Number: 17035-0113  
Project Manager: Felipe Aragon

Reported:  
12/06/19 11:24

### 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 1937002 - Purge and Trap EPA 5030A

##### Blank (1937002-BLK1)

Prepared: 09/09/19 0 Analyzed: 09/09/19 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	9.25		"	8.00		116	50-150			

##### LCS (1937002-BS1)

Prepared: 09/09/19 0 Analyzed: 09/09/19 2

Benzene	4.52	0.0250	mg/kg	5.00		90.3	70-130			
Toluene	4.55	0.0250	"	5.00		90.9	70-130			
Ethylbenzene	4.63	0.0250	"	5.00		92.5	70-130			
p,m-Xylene	9.39	0.0500	"	10.0		93.9	70-130			
o-Xylene	4.62	0.0250	"	5.00		92.4	70-130			
Total Xylenes	14.0	0.0250	"	15.0		93.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	9.30		"	8.00		116	50-150			

##### Matrix Spike (1937002-MS1)

Source: P909012-01

Prepared: 09/09/19 0 Analyzed: 09/09/19 2

Benzene	4.60	0.0250	mg/kg	5.00	ND	91.9	54.3-133			
Toluene	4.64	0.0250	"	5.00	ND	92.7	61.4-130			
Ethylbenzene	4.71	0.0250	"	5.00	ND	94.2	61.4-133			
p,m-Xylene	9.58	0.0500	"	10.0	ND	95.8	63.3-131			
o-Xylene	4.71	0.0250	"	5.00	ND	94.3	63.3-131			
Total Xylenes	14.3	0.0250	"	15.0	ND	95.3	63.3-131			
Surrogate: 4-Bromochlorobenzene-PID	9.30		"	8.00		116	50-150			

##### Matrix Spike Dup (1937002-MSD1)

Source: P909012-01

Prepared: 09/09/19 0 Analyzed: 09/10/19 0

Benzene	4.25	0.0250	mg/kg	5.00	ND	85.1	54.3-133	7.73	20	
Toluene	4.30	0.0250	"	5.00	ND	85.9	61.4-130	7.60	20	
Ethylbenzene	4.37	0.0250	"	5.00	ND	87.5	61.4-133	7.42	20	
p,m-Xylene	8.91	0.0500	"	10.0	ND	89.1	63.3-131	7.26	20	
o-Xylene	4.39	0.0250	"	5.00	ND	87.8	63.3-131	7.11	20	
Total Xylenes	13.3	0.0250	"	15.0	ND	88.7	63.3-131	7.21	20	
Surrogate: 4-Bromochlorobenzene-PID	9.40		"	8.00		118	50-150			

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DJR Operating, LLC  
1 Rd 3263  
Aztec NM, 87410

Project Name: Central Bisti Unit #4-Historic Blow Down Pit  
Project Number: 17035-0113  
Project Manager: Felipe Aragon

Reported:  
12/06/19 11:24

### 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 1937008 - DRO Extraction EPA 3570

##### Blank (1937008-BLK1)

Prepared: 09/09/19 1 Analyzed: 09/09/19 2

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Oil Range Organics (C28-C40)	ND	50.0	"							
Surrogate: n-Nonane	50.4		"	50.0		101	50-200			

##### LCS (1937008-BS1)

Prepared: 09/09/19 1 Analyzed: 09/09/19 2

Diesel Range Organics (C10-C28)	476	25.0	mg/kg	500		95.1	38-132			
Surrogate: n-Nonane	50.9		"	50.0		102	50-200			

##### Matrix Spike (1937008-MS1)

Source: P909017-03

Prepared: 09/09/19 1 Analyzed: 09/09/19 2

Diesel Range Organics (C10-C28)	538	25.0	mg/kg	500	53.7	96.8	38-132			
Surrogate: n-Nonane	51.8		"	50.0		104	50-200			

##### Matrix Spike Dup (1937008-MSD1)

Source: P909017-03

Prepared: 09/09/19 1 Analyzed: 09/09/19 2

Diesel Range Organics (C10-C28)	551	25.0	mg/kg	500	53.7	99.4	38-132	2.45	20	
Surrogate: n-Nonane	49.7		"	50.0		99.4	50-200			

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DJR Operating, LLC  
1 Rd 3263  
Aztec NM, 87410

Project Name: Central Bisti Unit #4-Historic Blow Down Pit  
Project Number: 17035-0113  
Project Manager: Felipe Aragon

Reported:  
12/06/19 11:24

### 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 1937002 - Purge and Trap EPA 5030A

##### Blank (1937002-BL.K1)

Prepared: 09/09/19 0 Analyzed: 09/09/19 2

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.59		"	8.00		94.9	50-150			

##### LCS (1937002-BS2)

Prepared: 09/09/19 0 Analyzed: 09/09/19 2

Gasoline Range Organics (C6-C10)	41.9	20.0	mg/kg	50.0		83.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.75		"	8.00		96.8	50-150			

##### Matrix Spike (1937002-MS2)

Source: P909012-01

Prepared: 09/09/19 0 Analyzed: 09/10/19 0

Gasoline Range Organics (C6-C10)	44.2	20.0	mg/kg	50.0	ND	88.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.61		"	8.00		95.1	50-150			

##### Matrix Spike Dup (1937002-MSD2)

Source: P909012-01

Prepared: 09/09/19 0 Analyzed: 09/10/19 0

Gasoline Range Organics (C6-C10)	41.9	20.0	mg/kg	50.0	ND	83.8	70-130	5.39	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.80		"	8.00		97.5	50-150			

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DJR Operating, LLC  
1 Rd 3263  
Aztec NM, 87410

Project Name: Central Bisti Unit #4-Historic Blow Down Pit  
Project Number: 17035-0113  
Project Manager: Felipe Aragon

Reported:  
12/06/19 11:24

### 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 1937001 - Anion Extraction EPA 300.0/9056A

##### Blank (1937001-BLK1)

Prepared: 09/09/19 0 Analyzed: 09/09/19 1

Chloride	ND	20.0	mg/kg
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##### LCS (1937001-BS1)

Prepared: 09/09/19 0 Analyzed: 09/09/19 1

Chloride	249	20.0	mg/kg	250	99.8	90-110
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##### Matrix Spike (1937001-MS1)

Source: P909013-04

Prepared: 09/09/19 0 Analyzed: 09/09/19 1

Chloride	1770	20.0	mg/kg	250	984	314	80-120	SPK1
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##### Matrix Spike Dup (1937001-MSD1)

Source: P909013-04

Prepared: 09/09/19 0 Analyzed: 09/09/19 1

Chloride	1730	20.0	mg/kg	250	984	298	80-120	2.28	20	SPK1
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#### 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

1 Rd 3263

Aztec NM, 87410

Project Name:

Central Bisti Unit #4-Historic Blow Down Pit

Project Number:

17035-0113

Project Manager:

Felipe Aragon

**Reported:**

12/06/19 11:24

**Notes and Definitions**

Surr2 The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

SPK1 The spike recovery is outside of quality control limits.

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

Page 1 of 1

[illegible]

I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is implied 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.

7/19	Time 9:27	Received by: (Signature) <i>Rain Lopez</i>	Date 9/9/19	Time 9:27	Lab Use Only Received on ice: <input checked="" type="radio"/> Y / <input type="radio"/> N
	Time	Received by: (Signature)	Date	Time	T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>

**Aqueous, 0 - Other**

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

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 is issued by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.





## Analytical Report

### Report Summary

Client: DJR Operating, LLC

Samples Received: 9/9/2019

Job Number: 97057-0220

Work Order: P909015

Project Name/Location: Central Bisti Unit  
#4-Historic Blow Down Pit

Report Reviewed By:

A handwritten signature in black ink, appearing to read 'Walter Hinchman', is written over a horizontal line.

Date: 9/13/19

Walter Hinchman, Laboratory Director



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.



DJR Operating, LLC  
1 Rd 3263  
Aztec NM, 87410

Project Name: Central Bisti Unit #4-Historic Blow Down Pit  
Project Number: 97057-0220  
Project Manager: Felipe Aragon

**Reported:**  
09/13/19 13:37

### Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Center @ 8'	P909015-01A	Soil	09/04/19	09/09/19	Glass Jar, 4 oz.
	P909015-01B	Soil	09/04/19	09/09/19	Glass Jar, 4 oz.

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DJR Operating, LLC  
1 Rd 3263  
Aztec NM, 87410

Project Name: Central Bisti Unit #4-Historic Blow Down Pit  
Project Number: 97057-0220  
Project Manager: Felipe Aragon

Reported:  
09/13/19 13:37

**Center @ 8'**  
**P909015-01 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

**Volatile Organics by EPA 8021**

Benzene	1.58	0.250	mg/kg	10	1937002	09/09/19	09/09/19	EPA 8021B	
Toluene	3.44	0.250	mg/kg	10	1937002	09/09/19	09/09/19	EPA 8021B	
Ethylbenzene	4.28	0.250	mg/kg	10	1937002	09/09/19	09/09/19	EPA 8021B	
p,m-Xylene	15.1	0.500	mg/kg	10	1937002	09/09/19	09/09/19	EPA 8021B	
o-Xylene	7.46	0.250	mg/kg	10	1937002	09/09/19	09/09/19	EPA 8021B	
Total Xylenes	22.6	0.250	mg/kg	10	1937002	09/09/19	09/09/19	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		111 %		50-150	1937002	09/09/19	09/09/19	EPA 8021B	

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

Diesel Range Organics (C10-C28)	16800	2500	mg/kg	100	1937008	09/09/19	09/13/19	EPA 8015D	
Oil Range Organics (C28-C40)	6900	5000	mg/kg	100	1937008	09/09/19	09/13/19	EPA 8015D	
Surrogate: n-Nonane		%		50-200	1937008	09/09/19	09/13/19	EPA 8015D	Surr2

**Nonhalogenated Organics by 8015 - GRO**

Gasoline Range Organics (C6-C10)	386	200	mg/kg	10	1937002	09/09/19	09/09/19	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		103 %		50-150	1937002	09/09/19	09/09/19	EPA 8015D	

**Anions by 300.0/9056A**

Chloride	149	20.0	mg/kg	1	1937001	09/09/19	09/10/19	EPA 300.0/9056A	
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DJR Operating, LLC  
1 Rd 3263  
Aztec NM, 87410

Project Name: Central Bisti Unit #4-Historic Blow Down Pit  
Project Number: 97057-0220  
Project Manager: Felipe Aragon

Reported:  
09/13/19 13:37

### 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 1937002 - Purge and Trap EPA 5030A

##### Blank (1937002-BLK1)

Prepared: 09/09/19 0 Analyzed: 09/09/19 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	9.25		"	8.00		116	50-150			

##### LCS (1937002-BS1)

Prepared: 09/09/19 0 Analyzed: 09/09/19 2

Benzene	4.52	0.0250	mg/kg	5.00		90.3	70-130			
Toluene	4.55	0.0250	"	5.00		90.9	70-130			
Ethylbenzene	4.63	0.0250	"	5.00		92.5	70-130			
p,m-Xylene	9.39	0.0500	"	10.0		93.9	70-130			
o-Xylene	4.62	0.0250	"	5.00		92.4	70-130			
Total Xylenes	14.0	0.0250	"	15.0		93.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	9.30		"	8.00		116	50-150			

##### Matrix Spike (1937002-MS1)

Source: P909012-01

Prepared: 09/09/19 0 Analyzed: 09/09/19 2

Benzene	4.60	0.0250	mg/kg	5.00	ND	91.9	54.3-133			
Toluene	4.64	0.0250	"	5.00	ND	92.7	61.4-130			
Ethylbenzene	4.71	0.0250	"	5.00	ND	94.2	61.4-133			
p,m-Xylene	9.58	0.0500	"	10.0	ND	95.8	63.3-131			
o-Xylene	4.71	0.0250	"	5.00	ND	94.3	63.3-131			
Total Xylenes	14.3	0.0250	"	15.0	ND	95.3	63.3-131			
Surrogate: 4-Bromochlorobenzene-PID	9.30		"	8.00		116	50-150			

##### Matrix Spike Dup (1937002-MSD1)

Source: P909012-01

Prepared: 09/09/19 0 Analyzed: 09/10/19 0

Benzene	4.25	0.0250	mg/kg	5.00	ND	85.1	54.3-133	7.73	20	
Toluene	4.30	0.0250	"	5.00	ND	85.9	61.4-130	7.60	20	
Ethylbenzene	4.37	0.0250	"	5.00	ND	87.5	61.4-133	7.42	20	
p,m-Xylene	8.91	0.0500	"	10.0	ND	89.1	63.3-131	7.26	20	
o-Xylene	4.39	0.0250	"	5.00	ND	87.8	63.3-131	7.11	20	
Total Xylenes	13.3	0.0250	"	15.0	ND	88.7	63.3-131	7.21	20	
Surrogate: 4-Bromochlorobenzene-PID	9.40		"	8.00		118	50-150			

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DJR Operating, LLC  
1 Rd 3263  
Aztec NM, 87410

Project Name: Central Bisti Unit #4-Historic Blow Down Pit  
Project Number: 97057-0220  
Project Manager: Felipe Aragon

Reported:  
09/13/19 13:37

### 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
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#### Batch 1937008 - DRO Extraction EPA 3570

##### Blank (1937008-BLK1)

Prepared: 09/09/19 1 Analyzed: 09/09/19 2

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Oil Range Organics (C28-C40)	ND	50.0	"							
Surrogate: n-Nonane	50.4		"	50.0		101	50-200			

##### LCS (1937008-BS1)

Prepared: 09/09/19 1 Analyzed: 09/09/19 2

Diesel Range Organics (C10-C28)	476	25.0	mg/kg	500		95.1	38-132			
Surrogate: n-Nonane	50.9		"	50.0		102	50-200			

##### Matrix Spike (1937008-MS1)

Source: P909017-03

Prepared: 09/09/19 1 Analyzed: 09/09/19 2

Diesel Range Organics (C10-C28)	538	25.0	mg/kg	500	53.7	96.8	38-132			
Surrogate: n-Nonane	51.8		"	50.0		104	50-200			

##### Matrix Spike Dup (1937008-MSD1)

Source: P909017-03

Prepared: 09/09/19 1 Analyzed: 09/09/19 2

Diesel Range Organics (C10-C28)	551	25.0	mg/kg	500	53.7	99.4	38-132	2.45	20	
Surrogate: n-Nonane	49.7		"	50.0		99.4	50-200			

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DJR Operating, LLC  
1 Rd 3263  
Aztec NM, 87410

Project Name: Central Bisti Unit #4-Historic Blow Down Pit  
Project Number: 97057-0220  
Project Manager: Felipe Aragon

Reported:  
09/13/19 13:37

### 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 1937002 - Purge and Trap EPA 5030A

##### Blank (1937002-BLK1)

Prepared: 09/09/19 0 Analyzed: 09/09/19 2

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.59		"	8.00		94.9	50-150			

##### LCS (1937002-BS2)

Prepared: 09/09/19 0 Analyzed: 09/09/19 2

Gasoline Range Organics (C6-C10)	41.9	20.0	mg/kg	50.0		83.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.75		"	8.00		96.8	50-150			

##### Matrix Spike (1937002-MS2)

Source: P909012-01

Prepared: 09/09/19 0 Analyzed: 09/10/19 0

Gasoline Range Organics (C6-C10)	44.2	20.0	mg/kg	50.0	ND	88.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.61		"	8.00		95.1	50-150			

##### Matrix Spike Dup (1937002-MSD2)

Source: P909012-01

Prepared: 09/09/19 0 Analyzed: 09/10/19 0

Gasoline Range Organics (C6-C10)	41.9	20.0	mg/kg	50.0	ND	83.8	70-130	5.39	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.80		"	8.00		97.5	50-150			

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DJR Operating, LLC  
1 Rd 3263  
Aztec NM, 87410

Project Name: Central Bisti Unit #4-Historic Blow Down Pit  
Project Number: 97057-0220  
Project Manager: Felipe Aragon

Reported:  
09/13/19 13:37

### 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 1937001 - Anion Extraction EPA 300.0/9056A

##### Blank (1937001-BLK1)

Prepared: 09/09/19 0 Analyzed: 09/09/19 1

Chloride	ND	20.0	mg/kg
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##### LCS (1937001-BS1)

Prepared: 09/09/19 0 Analyzed: 09/09/19 1

Chloride	249	20.0	mg/kg	250	99.8	90-110
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##### Matrix Spike (1937001-MS1)

Source: P909013-04

Prepared: 09/09/19 0 Analyzed: 09/09/19 1

Chloride	1770	20.0	mg/kg	250	984	314	80-120	SPK1
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##### Matrix Spike Dup (1937001-MSD1)

Source: P909013-04

Prepared: 09/09/19 0 Analyzed: 09/09/19 1

Chloride	1730	20.0	mg/kg	250	984	298	80-120	2.28	20	SPK1
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#### 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  
1 Rd 3263  
Aztec NM, 87410

Project Name: Central Bisti Unit #4-Historic Blow Down Pit  
Project Number: 97057-0220  
Project Manager: Felipe Aragon

**Reported:**  
09/13/19 13:37

#### Notes and Definitions

Surr2 The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

SPK1 The spike recovery is outside of quality control limits.

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

Page 1 of 1

[illegible]

I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is implied 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.

7/19	Time 9:27	Received by: (Signature) <i>Rain Lopez</i>	Date 9/9/19	Time 9:27
	Time	Received by: (Signature)	Date	Time

Lab Use Only

Received on ice: ☒ Y / ☐ N

T1	T2	T3
AVG Temp °C	4	

Aqueous, O - Other \_\_\_\_\_

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

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 is issued by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



## Analytical Report

### Report Summary

Client: DJR Operating, LLC

Samples Received: 11/5/2019

Job Number: 17035-0113

Work Order: P911014

Project Name/Location: Central Bisti Unit #4

Report Reviewed By:

A handwritten signature in black ink, appearing to read 'Walter Hinchman', is written over a horizontal line.

Date: 11/7/19

Walter Hinchman, Laboratory Director



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: Central Bisti Unit #4  
Project Number: 17035-0113  
Project Manager: Felipe Aragon

**Reported:**  
11/07/19 07:14

### Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
West Wall	P911014-01A	Soil	11/05/19	11/05/19	Glass Jar, 4 oz.

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DJR Operating, LLC  
1 Rd 3263  
Aztec NM, 87410

Project Name: Central Bisti Unit #4  
Project Number: 17035-0113  
Project Manager: Felipe Aragon

**Reported:**  
11/07/19 07:14

**West Wall**  
**P911014-01 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Nonhalogenated Organics by 8015 - DRO/ORO</b>									
Diesel Range Organics (C10-C28)	327	50.0	mg/kg	2	1945020	11/05/19	11/05/19	EPA 8015D	
Oil Range Organics (C28-C40)	271	100	mg/kg	2	1945020	11/05/19	11/05/19	EPA 8015D	
Surrogate: n-Nonane		118 %		50-200	1945020	11/05/19	11/05/19	EPA 8015D	
<b>Nonhalogenated Organics by 8015 - GRO</b>									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1945019	11/05/19	11/05/19	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.9 %		50-150	1945019	11/05/19	11/05/19	EPA 8015D	

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DJR Operating, LLC  
1 Rd 3263  
Aztec NM, 87410

Project Name: Central Bisti Unit #4  
Project Number: 17035-0113  
Project Manager: Felipe Aragon

Reported:  
11/07/19 07:14

### 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
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#### Batch 1945020 - DRO Extraction EPA 3570

##### Blank (1945020-BLK1)

Prepared & Analyzed: 11/05/19 1

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Oil Range Organics (C28-C40)	ND	50.0	"							
Surrogate: n-Nonane	50.0		"	50.0		100	50-200			

##### LCS (1945020-BS1)

Prepared & Analyzed: 11/05/19 1

Diesel Range Organics (C10-C28)	475	25.0	mg/kg	500		95.0	38-132			
Surrogate: n-Nonane	49.9		"	50.0		99.7	50-200			

##### Matrix Spike (1945020-MS1)

Source: P911013-01

Prepared & Analyzed: 11/05/19 1

Diesel Range Organics (C10-C28)	545	25.0	mg/kg	500	43.1	100	38-132			
Surrogate: n-Nonane	50.8		"	50.0		102	50-200			

##### Matrix Spike Dup (1945020-MSD1)

Source: P911013-01

Prepared & Analyzed: 11/05/19 1

Diesel Range Organics (C10-C28)	528	25.0	mg/kg	500	43.1	97.0	38-132	3.19	20	
Surrogate: n-Nonane	49.0		"	50.0		98.0	50-200			

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DJR Operating, LLC  
1 Rd 3263  
Aztec NM, 87410

Project Name: Central Bisti Unit #4  
Project Number: 17035-0113  
Project Manager: Felipe Aragon

Reported:  
11/07/19 07:14

### 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 1945019 - Purge and Trap EPA 5030A

##### Blank (1945019-BLK1)

Prepared & Analyzed: 11/05/19 1

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.69		"	8.00		96.1	50-150			

##### LCS (1945019-BS2)

Prepared: 11/05/19 1 Analyzed: 11/05/19 2

Gasoline Range Organics (C6-C10)	57.5	20.0	mg/kg	50.0		115	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.81		"	8.00		97.6	50-150			

##### Matrix Spike (1945019-MS2)

Source: P911013-01

Prepared: 11/05/19 1 Analyzed: 11/05/19 2

Gasoline Range Organics (C6-C10)	55.7	20.0	mg/kg	50.0	ND	111	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.67		"	8.00		95.9	50-150			

##### Matrix Spike Dup (1945019-MSD2)

Source: P911013-01

Prepared: 11/05/19 1 Analyzed: 11/05/19 2

Gasoline Range Organics (C6-C10)	60.1	20.0	mg/kg	50.0	ND	120	70-130	7.68	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.72		"	8.00		96.5	50-150			

#### 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  
1 Rd 3263  
Aztec NM, 87410

Project Name: Central Bisti Unit #4  
Project Number: 17035-0113  
Project Manager: Felipe Aragon

**Reported:**  
11/07/19 07:14

#### 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

Page 1 of 1

[illegible]

2. I am aware that tampering with or intentionally mislabelling the sample location, date or  
 action. Sampled by: Isaac Garun

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.

Time 16:15	Received by: (Signature) <i>Rann Lacey</i>	Date 11/5/12	Time 16:15	Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N
Time	Received by: (Signature)	Date	Time	T1 _____ T2 _____ T3 _____
Time	Received by: (Signature)	Date	Time	AVG Temp °C <u>4</u>

1 - Other \_\_\_\_\_ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

d 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

C. The liability of the laboratory is limited to the amount paid for on the report.





## Analytical Report

### Report Summary

Client: DJR Operating, LLC

Samples Received: 11/12/2019

Job Number: 17035-0150

Work Order: P911044

Project Name/Location: Central Bisti Unit #4

Report Reviewed By:

A handwritten signature in black ink, appearing to read 'Walter Hinchman', is written over a horizontal line.

Date: 11/18/19

Walter Hinchman, Laboratory Director



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.



DJR Operating, LLC  
1 Rd 3263  
Aztec NM, 87410

Project Name: Central Bisti Unit #4  
Project Number: 17035-0150  
Project Manager: Felipe Aragon

**Reported:**  
11/18/19 16:11

### Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
North Wall	P911044-01A	Soil	11/12/19	11/12/19	Glass Jar, 4 oz.
	P911044-01B	Soil	11/12/19	11/12/19	Glass Jar, 4 oz.
East Wall	P911044-02A	Soil	11/12/19	11/12/19	Glass Jar, 4 oz.
	P911044-02B	Soil	11/12/19	11/12/19	Glass Jar, 4 oz.
South Wall	P911044-03A	Soil	11/12/19	11/12/19	Glass Jar, 4 oz.
	P911044-03B	Soil	11/12/19	11/12/19	Glass Jar, 4 oz.
West Wall	P911044-04A	Soil	11/12/19	11/12/19	Glass Jar, 4 oz.
	P911044-04B	Soil	11/12/19	11/12/19	Glass Jar, 4 oz.
Base Perimeter	P911044-05A	Soil	11/12/19	11/12/19	Glass Jar, 4 oz.
	P911044-05B	Soil	11/12/19	11/12/19	Glass Jar, 4 oz.
Base Center	P911044-06A	Soil	11/12/19	11/12/19	Glass Jar, 4 oz.
	P911044-06B	Soil	11/12/19	11/12/19	Glass Jar, 4 oz.

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DJR Operating, LLC  
1 Rd 3263  
Aztec NM, 87410

Project Name: Central Bisti Unit #4  
Project Number: 17035-0150  
Project Manager: Felipe Aragon

**Reported:**  
11/18/19 16:11

**North Wall**  
**P911044-01 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

**Volatiles Organics by EPA 8021**

Benzene	ND	0.0250	mg/kg	1	1946029	11/14/19	11/14/19	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	1946029	11/14/19	11/14/19	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	1946029	11/14/19	11/14/19	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	1946029	11/14/19	11/14/19	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	1946029	11/14/19	11/14/19	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	1946029	11/14/19	11/14/19	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		98.2 %		50-150	1946029	11/14/19	11/14/19	EPA 8021B	

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

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1946033	11/14/19	11/15/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1946033	11/14/19	11/15/19	EPA 8015D	
Surrogate: n-Nonane		116 %		50-200	1946033	11/14/19	11/15/19	EPA 8015D	

**Nonhalogenated Organics by 8015 - GRO**

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1946029	11/14/19	11/14/19	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		85.6 %		50-150	1946029	11/14/19	11/14/19	EPA 8015D	

**Anions by 300.0/9056A**

Chloride	188	20.0	mg/kg	1	1946040	11/15/19	11/15/19	EPA 300.0/9056A	
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DJR Operating, LLC  
1 Rd 3263  
Aztec NM, 87410

Project Name: Central Bisti Unit #4  
Project Number: 17035-0150  
Project Manager: Felipe Aragon

Reported:  
11/18/19 16:11

**East Wall**  
**P911044-02 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

**Volatile Organics by EPA 8021**

Benzene	ND	0.0250	mg/kg	1	1946029	11/14/19	11/14/19	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	1946029	11/14/19	11/14/19	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	1946029	11/14/19	11/14/19	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	1946029	11/14/19	11/14/19	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	1946029	11/14/19	11/14/19	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	1946029	11/14/19	11/14/19	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		97.4 %		50-150	1946029	11/14/19	11/14/19	EPA 8021B	

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

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1946033	11/14/19	11/15/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1946033	11/14/19	11/15/19	EPA 8015D	
Surrogate: n-Nonane		122 %		50-200	1946033	11/14/19	11/15/19	EPA 8015D	

**Nonhalogenated Organics by 8015 - GRO**

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1946029	11/14/19	11/14/19	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		85.5 %		50-150	1946029	11/14/19	11/14/19	EPA 8015D	

**Anions by 300.0/9056A**

Chloride	320	20.0	mg/kg	1	1946040	11/15/19	11/15/19	EPA 300.0/9056A	
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DJR Operating, LLC  
1 Rd 3263  
Aztec NM, 87410

Project Name: Central Bisti Unit #4  
Project Number: 17035-0150  
Project Manager: Felipe Aragon

**Reported:**  
11/18/19 16:11

**South Wall**  
**P911044-03 (Solid)**

Reporting

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**Volatiles Organics by EPA 8021**

Benzene	ND	0.0250	mg/kg	1	1946029	11/14/19	11/14/19	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	1946029	11/14/19	11/14/19	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	1946029	11/14/19	11/14/19	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	1946029	11/14/19	11/14/19	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	1946029	11/14/19	11/14/19	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	1946029	11/14/19	11/14/19	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		97.8 %		50-150	1946029	11/14/19	11/14/19	EPA 8021B	

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

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1946033	11/14/19	11/15/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1946033	11/14/19	11/15/19	EPA 8015D	
Surrogate: n-Nonane		132 %		50-200	1946033	11/14/19	11/15/19	EPA 8015D	

**Nonhalogenated Organics by 8015 - GRO**

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1946029	11/14/19	11/14/19	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		85.9 %		50-150	1946029	11/14/19	11/14/19	EPA 8015D	

**Anions by 300.0/9056A**

Chloride	156	20.0	mg/kg	1	1946040	11/15/19	11/15/19	EPA 300.0/9056A	
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DJR Operating, LLC  
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Aztec NM, 87410

Project Name: Central Bisti Unit #4  
Project Number: 17035-0150  
Project Manager: Felipe Aragon

Reported:  
11/18/19 16:11

**West Wall**  
**P911044-04 (Solid)**

Reporting

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**Volatile Organics by EPA 8021**

Benzene	ND	0.0250	mg/kg	1	1946029	11/14/19	11/14/19	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	1946029	11/14/19	11/14/19	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	1946029	11/14/19	11/14/19	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	1946029	11/14/19	11/14/19	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	1946029	11/14/19	11/14/19	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	1946029	11/14/19	11/14/19	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		98.9 %		50-150	1946029	11/14/19	11/14/19	EPA 8021B	

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

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1946033	11/14/19	11/16/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1946033	11/14/19	11/16/19	EPA 8015D	
Surrogate: n-Nonane		110 %		50-200	1946033	11/14/19	11/16/19	EPA 8015D	

**Nonhalogenated Organics by 8015 - GRO**

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1946029	11/14/19	11/14/19	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		85.0 %		50-150	1946029	11/14/19	11/14/19	EPA 8015D	

**Anions by 300.0/9056A**

Chloride	152	20.0	mg/kg	1	1946040	11/15/19	11/15/19	EPA 300.0/9056A	
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DJR Operating, LLC  
1 Rd 3263  
Aztec NM, 87410

Project Name: Central Bisti Unit #4  
Project Number: 17035-0150  
Project Manager: Felipe Aragon

Reported:  
11/18/19 16:11

**Base Perimeter  
P911044-05 (Solid)**

Reporting

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**Volatile Organics by EPA 8021**

Benzene	ND	0.0250	mg/kg	1	1946029	11/14/19	11/14/19	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	1946029	11/14/19	11/14/19	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	1946029	11/14/19	11/14/19	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	1946029	11/14/19	11/14/19	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	1946029	11/14/19	11/14/19	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	1946029	11/14/19	11/14/19	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		99.4 %		50-150	1946029	11/14/19	11/14/19	EPA 8021B	

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

Diesel Range Organics (C10-C28)	767	25.0	mg/kg	1	1946033	11/14/19	11/17/19	EPA 8015D	
Oil Range Organics (C28-C40)	629	50.0	mg/kg	1	1946033	11/14/19	11/17/19	EPA 8015D	
Surrogate: n-Nonane		127 %		50-200	1946033	11/14/19	11/17/19	EPA 8015D	

**Nonhalogenated Organics by 8015 - GRO**

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1946029	11/14/19	11/14/19	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.1 %		50-150	1946029	11/14/19	11/14/19	EPA 8015D	

**Anions by 300.0/9056A**

Chloride	173	20.0	mg/kg	1	1946040	11/15/19	11/15/19	EPA 300.0/9056A	
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DJR Operating, LLC  
1 Rd 3263  
Aztec NM, 87410

Project Name: Central Bisti Unit #4  
Project Number: 17035-0150  
Project Manager: Felipe Aragon

Reported:  
11/18/19 16:11

**Base Center**  
**P911044-06 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

**Volatile Organics by EPA 8021**

Benzene	ND	0.0250	mg/kg	1	1946029	11/14/19	11/14/19	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	1946029	11/14/19	11/14/19	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	1946029	11/14/19	11/14/19	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	1946029	11/14/19	11/14/19	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	1946029	11/14/19	11/14/19	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	1946029	11/14/19	11/14/19	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		99.5 %		50-150	1946029	11/14/19	11/14/19	EPA 8021B	

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

Diesel Range Organics (C10-C28)	1220	25.0	mg/kg	1	1946033	11/14/19	11/17/19	EPA 8015D	
Oil Range Organics (C28-C40)	933	50.0	mg/kg	1	1946033	11/14/19	11/17/19	EPA 8015D	
Surrogate: n-Nonane		131 %		50-200	1946033	11/14/19	11/17/19	EPA 8015D	

**Nonhalogenated Organics by 8015 - GRO**

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1946029	11/14/19	11/14/19	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		85.8 %		50-150	1946029	11/14/19	11/14/19	EPA 8015D	

**Anions by 300.0/9056A**

Chloride	165	20.0	mg/kg	1	1946040	11/15/19	11/15/19	EPA 300.0/9056A	
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DJR Operating, LLC  
1 Rd 3263  
Aztec NM, 87410

Project Name: Central Bisti Unit #4  
Project Number: 17035-0150  
Project Manager: Felipe Aragon

Reported:  
11/18/19 16:11

### 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 1946029 - Purge and Trap EPA 5030A

##### Blank (1946029-BLK1)

Prepared: 11/14/19 0 Analyzed: 11/14/19 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	7.78		"	8.00		97.2	50-150			

##### LCS (1946029-BS1)

Prepared: 11/14/19 0 Analyzed: 11/14/19 1

Benzene	4.74	0.0250	mg/kg	5.00		94.8	70-130			
Toluene	4.88	0.0250	"	5.00		97.5	70-130			
Ethylbenzene	4.77	0.0250	"	5.00		95.4	70-130			
p,m-Xylene	9.50	0.0500	"	10.0		95.0	70-130			
o-Xylene	4.72	0.0250	"	5.00		94.4	70-130			
Total Xylenes	14.2	0.0250	"	15.0		94.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.89		"	8.00		98.6	50-150			

##### Matrix Spike (1946029-MS1)

Source: P911044-01

Prepared: 11/14/19 0 Analyzed: 11/14/19 1

Benzene	5.03	0.0250	mg/kg	5.00	ND	101	54.3-133			
Toluene	5.13	0.0250	"	5.00	ND	103	61.4-130			
Ethylbenzene	5.07	0.0250	"	5.00	ND	101	61.4-133			
p,m-Xylene	10.1	0.0500	"	10.0	ND	101	63.3-131			
o-Xylene	5.03	0.0250	"	5.00	ND	101	63.3-131			
Total Xylenes	15.1	0.0250	"	15.0	ND	101	63.3-131			
Surrogate: 4-Bromochlorobenzene-PID	7.95		"	8.00		99.4	50-150			

##### Matrix Spike Dup (1946029-MSD1)

Source: P911044-01

Prepared: 11/14/19 0 Analyzed: 11/14/19 1

Benzene	4.99	0.0250	mg/kg	5.00	ND	99.7	54.3-133	0.757	20	
Toluene	5.13	0.0250	"	5.00	ND	103	61.4-130	0.0214	20	
Ethylbenzene	5.05	0.0250	"	5.00	ND	101	61.4-133	0.345	20	
p,m-Xylene	10.1	0.0500	"	10.0	ND	101	63.3-131	0.303	20	
o-Xylene	5.02	0.0250	"	5.00	ND	100	63.3-131	0.251	20	
Total Xylenes	15.1	0.0250	"	15.0	ND	101	63.3-131	0.286	20	
Surrogate: 4-Bromochlorobenzene-PID	7.86		"	8.00		98.3	50-150			

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DJR Operating, LLC  
1 Rd 3263  
Aztec NM, 87410

Project Name: Central Bisti Unit #4  
Project Number: 17035-0150  
Project Manager: Felipe Aragon

Reported:  
11/18/19 16:11

### 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
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#### Batch 1946033 - DRO Extraction EPA 3570

##### Blank (1946033-BLK1)

Prepared: 11/14/19 1 Analyzed: 11/15/19 1

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Oil Range Organics (C28-C40)	ND	50.0	"							
Surrogate: n-Nonane	49.8		"	50.0		99.5	50-200			

##### LCS (1946033-BS1)

Prepared: 11/14/19 1 Analyzed: 11/15/19 1

Diesel Range Organics (C10-C28)	472	25.0	mg/kg	500		94.4	38-132			
Surrogate: n-Nonane	49.1		"	50.0		98.1	50-200			

##### Matrix Spike (1946033-MS1)

Source: P911044-01

Prepared: 11/14/19 1 Analyzed: 11/15/19 1

Diesel Range Organics (C10-C28)	625	25.0	mg/kg	500	ND	125	38-132			
Surrogate: n-Nonane	60.3		"	50.0		121	50-200			

##### Matrix Spike Dup (1946033-MSD1)

Source: P911044-01

Prepared: 11/14/19 1 Analyzed: 11/15/19 1

Diesel Range Organics (C10-C28)	629	25.0	mg/kg	500	ND	126	38-132	0.629	20	
Surrogate: n-Nonane	59.9		"	50.0		120	50-200			

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DJR Operating, LLC  
1 Rd 3263  
Aztec NM, 87410

Project Name: Central Bisti Unit #4  
Project Number: 17035-0150  
Project Manager: Felipe Aragon

Reported:  
11/18/19 16:11

### 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 1946029 - Purge and Trap EPA 5030A

##### Blank (1946029-BLK1)

Prepared: 11/14/19 0 Analyzed: 11/14/19 1

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.91		"	8.00		86.4	50-150			

##### LCS (1946029-BS2)

Prepared: 11/14/19 0 Analyzed: 11/14/19 1

Gasoline Range Organics (C6-C10)	48.0	20.0	mg/kg	50.0		96.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.88		"	8.00		86.0	50-150			

##### Matrix Spike (1946029-MS2)

Source: P911044-01

Prepared: 11/14/19 0 Analyzed: 11/14/19 1

Gasoline Range Organics (C6-C10)	52.0	20.0	mg/kg	50.0	ND	104	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.95		"	8.00		86.9	50-150			

##### Matrix Spike Dup (1946029-MSD2)

Source: P911044-01

Prepared: 11/14/19 0 Analyzed: 11/14/19 1

Gasoline Range Organics (C6-C10)	51.5	20.0	mg/kg	50.0	ND	103	70-130	0.929	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.05		"	8.00		88.1	50-150			

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DJR Operating, LLC  
1 Rd 3263  
Aztec NM, 87410

Project Name: Central Bisti Unit #4  
Project Number: 17035-0150  
Project Manager: Felipe Aragon

**Reported:**  
11/18/19 16:11

### 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 1946040 - Anion Extraction EPA 300.0/9056A

##### Blank (1946040-BLK1)

Prepared & Analyzed: 11/15/19 1

Chloride	ND	20.0	mg/kg
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##### LCS (1946040-BS1)

Prepared & Analyzed: 11/15/19 1

Chloride	252	20.0	mg/kg	250	101	90-110
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##### Matrix Spike (1946040-MS1)

Source: P911044-01

Prepared & Analyzed: 11/15/19 1

Chloride	432	20.0	mg/kg	250	188	97.6	80-120
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##### Matrix Spike Dup (1946040-MSD1)

Source: P911044-01

Prepared & Analyzed: 11/15/19 1

Chloride	436	20.0	mg/kg	250	188	99.5	80-120	1.09	20
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#### 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  
1 Rd 3263  
Aztec NM, 87410

Project Name: Central Bisti Unit #4  
Project Number: 17035-0150  
Project Manager: Felipe Aragon

**Reported:**  
11/18/19 16:11

#### 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

Page 1 of 1

Page 14 of 14

Report Attention		Lab Use Only										TAT		EPA Program			
Report due by:		Lab WO#		Job Number								1D	3D	RCRA	CWA	SDWA	
Attention:		P 911044		17035-0150													
Address:		Analysis and Method															
City, State, Zip		State															
Phone:		NM CO UT AZ															
Email:		TX OK															
File ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	6010 Total P							Remarks		
South Wall	1	X	X	X			X										
West Wall	2																
South Wall	3																
East Wall	4																
Se Perimeter	5																
Se Center	6																

I am aware that tampering with or intentionally mislabelling the sample location, date or				Samples requiring thermal preservation must be received on ice the day they are sampled or			
action. Sampled by: Isaac Garcia				received packed in ice at an avg temp above 0 but less than 6°C on subsequent days			
Time	Received by: (Signature)	Date	Time	Lab Use Only			
11:28	Rain Lopez	11/12/19	11:28	Received on ice: Y N			
Time	Received by: (Signature)	Date	Time	T1 T2 T3			
Time	Received by: (Signature)	Date	Time	AVG Temp °C 4			
O - Other				Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA			
ed 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							
OC. The liability of the laboratory is limited to the amount paid for on the report.							

ch  
atory

5795 US Highway 64, Farmington, NM 87401

Ph (505) 632-1881 Fx (505) 632-1865

24 Hour Emergency Response Phone (800) 362-1379

envirotech-inc.com

labadmin@envirotech-inc.com





## Analytical Report

### Report Summary

Client: DJR Operating, LLC

Samples Received: 11/22/2019

Job Number: 17035-0150

Work Order: P911110

Project Name/Location: Central Bisti Unit #4

Report Reviewed By:

A handwritten signature in black ink, appearing to read 'Walter Hinchman', is written over a horizontal line.

Date: 11/26/19

Walter Hinchman, Laboratory Director



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: Central Bisti Unit #4  
Project Number: 17035-0150  
Project Manager: Felipe Aragon

**Reported:**  
11/26/19 11:15

### Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Base Center	P911110-01A	Soil	11/22/19	11/22/19	Glass Jar, 4 oz.

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DJR Operating, LLC  
1 Rd 3263  
Aztec NM, 87410

Project Name: Central Bisti Unit #4  
Project Number: 17035-0150  
Project Manager: Felipe Aragon

Reported:  
11/26/19 11:15

**Base Center**  
**P911110-01 (Solid)**

Reporting

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**Volatile Organic Compounds by 8260**

Benzene	ND	0.0250	mg/kg	1	1947048	11/22/19	11/23/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1947048	11/22/19	11/23/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1947048	11/22/19	11/23/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1947048	11/22/19	11/23/19	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1947048	11/22/19	11/23/19	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1947048	11/22/19	11/23/19	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4	99.5 %	70-130			1947048	11/22/19	11/23/19	EPA 8260B	
Surrogate: Toluene-d8	102 %	70-130			1947048	11/22/19	11/23/19	EPA 8260B	
Surrogate: Bromofluorobenzene	98.6 %	70-130			1947048	11/22/19	11/23/19	EPA 8260B	

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

Diesel Range Organics (C10-C28)	920	50.0	mg/kg	2	1947050	11/22/19	11/25/19	EPA 8015D	
Oil Range Organics (C28-C40)	368	100	mg/kg	2	1947050	11/22/19	11/25/19	EPA 8015D	
Surrogate: n-Nonane	104 %	50-200			1947050	11/22/19	11/25/19	EPA 8015D	

**Nonhalogenated Organics by 8015 - GRO**

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1947048	11/22/19	11/23/19	EPA 8015D	
Surrogate: 1,2-Dichloroethane-d4	99.5 %	70-130			1947048	11/22/19	11/23/19	EPA 8015D	
Surrogate: Toluene-d8	102 %	70-130			1947048	11/22/19	11/23/19	EPA 8015D	
Surrogate: Bromofluorobenzene	98.6 %	70-130			1947048	11/22/19	11/23/19	EPA 8015D	

**Anions by 300.0/9056A**

Chloride	171	20.0	mg/kg	1	1947046	11/22/19	11/22/19	EPA 300.0/9056A	
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DJR Operating, LLC  
1 Rd 3263  
Aztec NM, 87410

Project Name: Central Bisti Unit #4  
Project Number: 17035-0150  
Project Manager: Felipe Aragon

Reported:  
11/26/19 11:15

### Volatile Organic Compounds by 8260 - 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 1947048 - Purge and Trap EPA 5030A

##### Blank (1947048-BLK1)

Prepared & Analyzed: 11/22/19 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: 1,2-Dichloroethane-d4	0.509		"	0.500		102	70-130			
Surrogate: Toluene-d8	0.504		"	0.500		101	70-130			
Surrogate: Bromofluorobenzene	0.493		"	0.500		98.6	70-130			

##### LCS (1947048-BS1)

Prepared & Analyzed: 11/22/19 1

Benzene	2.47	0.0250	mg/kg	2.50		98.8	70-130			
Toluene	2.40	0.0250	"	2.50		95.8	70-130			
Ethylbenzene	2.45	0.0250	"	2.50		98.1	70-130			
p,m-Xylene	5.06	0.0500	"	5.00		101	70-130			
o-Xylene	2.42	0.0250	"	2.50		96.7	70-130			
Total Xylenes	7.48	0.0250	"	7.50		99.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.516		"	0.500		103	70-130			
Surrogate: Toluene-d8	0.498		"	0.500		99.5	70-130			
Surrogate: Bromofluorobenzene	0.496		"	0.500		99.2	70-130			

##### Matrix Spike (1947048-MS1)

Source: P911103-01

Prepared & Analyzed: 11/22/19 1

Benzene	4.95	0.0500	mg/kg	5.00	ND	99.0	48-131			
Toluene	4.78	0.0500	"	5.00	ND	95.6	48-130			
Ethylbenzene	4.92	0.0500	"	5.00	ND	98.5	45-135			
p,m-Xylene	10.2	0.100	"	10.0	ND	102	43-135			
o-Xylene	4.89	0.0500	"	5.00	ND	97.7	43-135			
Total Xylenes	15.1	0.0500	"	15.0	ND	100	43-135			
Surrogate: 1,2-Dichloroethane-d4	0.999		"	1.00		99.9	70-130			
Surrogate: Toluene-d8	0.993		"	1.00		99.3	70-130			
Surrogate: Bromofluorobenzene	1.01		"	1.00		101	70-130			

##### Matrix Spike Dup (1947048-MSD1)

Source: P911103-01

Prepared & Analyzed: 11/22/19 1

Benzene	4.84	0.0500	mg/kg	5.00	ND	96.7	48-131	2.29	23	
Toluene	4.69	0.0500	"	5.00	ND	93.9	48-130	1.86	24	
Ethylbenzene	4.84	0.0500	"	5.00	ND	96.8	45-135	1.74	27	
p,m-Xylene	10.0	0.100	"	10.0	ND	100	43-135	1.80	27	
o-Xylene	4.76	0.0500	"	5.00	ND	95.2	43-135	2.55	27	
Total Xylenes	14.8	0.0500	"	15.0	ND	98.4	43-135	2.05	27	
Surrogate: 1,2-Dichloroethane-d4	1.01		"	1.00		101	70-130			
Surrogate: Toluene-d8	0.991		"	1.00		99.1	70-130			
Surrogate: Bromofluorobenzene	0.987		"	1.00		98.7	70-130			

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DJR Operating, LLC  
1 Rd 3263  
Aztec NM, 87410

Project Name: Central Bisti Unit #4  
Project Number: 17035-0150  
Project Manager: Felipe Aragon

Reported:  
11/26/19 11:15

### 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
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#### Batch 1947050 - DRO Extraction EPA 3570

##### Blank (1947050-BLK1)

Prepared: 11/22/19 | Analyzed: 11/25/19 |

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Oil Range Organics (C28-C40)	ND	50.0	"							
Surrogate: n-Nonane	48.3		"	50.0		96.5	50-200			

##### LCS (1947050-BS1)

Prepared: 11/22/19 | Analyzed: 11/25/19 |

Diesel Range Organics (C10-C28)	482	25.0	mg/kg	500		96.3	38-132			
Surrogate: n-Nonane	50.1		"	50.0		100	50-200			

##### Matrix Spike (1947050-MS1)

Source: P911105-01

Prepared: 11/22/19 | Analyzed: 11/25/19 |

Diesel Range Organics (C10-C28)	470	25.0	mg/kg	500	ND	94.0	38-132			
Surrogate: n-Nonane	48.4		"	50.0		96.8	50-200			

##### Matrix Spike Dup (1947050-MSD1)

Source: P911105-01

Prepared: 11/22/19 | Analyzed: 11/25/19 |

Diesel Range Organics (C10-C28)	481	25.0	mg/kg	500	ND	96.2	38-132	2.33	20	
Surrogate: n-Nonane	48.4		"	50.0		96.7	50-200			

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DJR Operating, LLC  
1 Rd 3263  
Aztec NM, 87410

Project Name: Central Bisti Unit #4  
Project Number: 17035-0150  
Project Manager: Felipe Aragon

Reported:  
11/26/19 11:15

### 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 1947048 - Purge and Trap EPA 5030A

##### Blank (1947048-BLK1)

Prepared & Analyzed: 11/22/19 1

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1,2-Dichloroethane-d4	0.509		"	0.500		102	70-130			
Surrogate: Toluene-d8	0.504		"	0.500		101	70-130			
Surrogate: Bromofluorobenzene	0.493		"	0.500		98.6	70-130			

##### LCS (1947048-BS2)

Prepared & Analyzed: 11/22/19 1

Gasoline Range Organics (C6-C10)	47.4	20.0	mg/kg	50.0		94.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.509		"	0.500		102	70-130			
Surrogate: Toluene-d8	0.508		"	0.500		102	70-130			
Surrogate: Bromofluorobenzene	0.492		"	0.500		98.3	70-130			

##### Matrix Spike (1947048-MS2)

Source: P911103-01

Prepared & Analyzed: 11/22/19 1

Gasoline Range Organics (C6-C10)	96.2	40.0	mg/kg	100	ND	96.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	1.02		"	1.00		102	70-130			
Surrogate: Toluene-d8	0.999		"	1.00		99.9	70-130			
Surrogate: Bromofluorobenzene	0.993		"	1.00		99.3	70-130			

##### Matrix Spike Dup (1947048-MSD2)

Source: P911103-01

Prepared & Analyzed: 11/22/19 1

Gasoline Range Organics (C6-C10)	99.6	40.0	mg/kg	100	ND	99.5	70-130	3.47	20	
Surrogate: 1,2-Dichloroethane-d4	1.03		"	1.00		103	70-130			
Surrogate: Toluene-d8	1.01		"	1.00		101	70-130			
Surrogate: Bromofluorobenzene	1.00		"	1.00		100	70-130			

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DJR Operating, LLC  
1 Rd 3263  
Aztec NM, 87410

Project Name: Central Bisti Unit #4  
Project Number: 17035-0150  
Project Manager: Felipe Aragon

**Reported:**  
11/26/19 11:15

### 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 1947046 - Anion Extraction EPA 300.0/9056A

##### Blank (1947046-BLK1)

Prepared & Analyzed: 11/22/19 0

Chloride ND 20.0 mg/kg

##### LCS (1947046-BS1)

Prepared: 11/22/19 0 Analyzed: 11/22/19 1

Chloride 236 20.0 mg/kg 250 94.4 90-110

##### Matrix Spike (1947046-MS1)

Source: P911104-01

Prepared: 11/22/19 0 Analyzed: 11/22/19 1

Chloride 511 20.0 mg/kg 250 257 101 80-120

##### Matrix Spike Dup (1947046-MSD1)

Source: P911104-01

Prepared: 11/22/19 0 Analyzed: 11/22/19 1

Chloride 531 20.0 mg/kg 250 257 110 80-120 3.88 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  
1 Rd 3263  
Aztec NM, 87410

Project Name: Central Bisti Unit #4  
Project Number: 17035-0150  
Project Manager: Felipe Aragon

**Reported:**  
11/26/19 11:15

#### 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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## 2 Da

Page 1 of 1

Page 9 of 9

## **APPENDIX F**

### *EPA Method 418.1 Field Screening Results*



*Practical Solutions for a Better Tomorrow*



**envirotech****CONTINUOUS CALIBRATION  
EPA METHOD 418.1  
TOTAL PETROLEUM  
HYDROCARBONS**

Cal. Date: 5-Nov-19

Parameter	Standard Concentration mg/L	Concentration Reading mg/L
TPH	100	186
	200	
	500	
	1000	
	5000	

The accepted percent relative deviation (%RSD) of the calibration factor is less than 20% over the working range.

Analyst

for

9/17/2019

Date

Isaac Garcia

Print Name

Review

9/17/2019

Date

Felipe Aragon, CES, CHMM

Print Name



**EPA METHOD 418.1  
TOTAL PETROLEUM  
HYDROCARBONS**

Client:	DJR Operating	Project #:	17035-0150
Sample No.:	1	Date Reported:	9/17/2019
Sample ID:	Base Center @ 10'	Date Sampled:	11/5/2019
Sample Matrix:	Soil	Date Analyzed:	11/5/2019
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
-----------	--------------------------	--------------------------

<b>Total Petroleum Hydrocarbons</b>	<b>600</b>	<b>5.0</b>
-------------------------------------	------------	------------

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **Central Bisti Unit #4**

Instrument calibrated to 200 ppm standard and zeroed before each sample.

A handwritten signature in blue ink that reads 'Buttany Hall'.

Analyst

Isaac Garcia

Printed

A handwritten signature in blue ink that reads 'Felipe Aragon'.

Review

Felipe Aragon, CES, CHMM

Printed



**EPA METHOD 418.1  
TOTAL PETROLEUM  
HYDROCARBONS**

Client:	DJR Operating	Project #:	17035-0150
Sample No.:	2	Date Reported:	9/17/2019
Sample ID:	Base Perimeter @ 8'	Date Sampled:	11/5/2019
Sample Matrix:	Soil	Date Analyzed:	11/5/2019
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	120	5.0

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **Central Bisti Unit #4**

Instrument calibrated to 200 ppm standard and zeroed before each sample.

A handwritten signature in blue ink that reads 'Brittany Hall'.

Analyst

for

Isaac Garcia

Printed

A handwritten signature in blue ink that reads 'Felipe Aragon'.

Review

Felipe Aragon, CES, CHMM

Printed

**EPA METHOD 418.1  
TOTAL PETROLEUM  
HYDROCARBONS**

Client:	DJR Operating	Project #:	17035-0150
Sample No.:	3	Date Reported:	9/17/2019
Sample ID:	West Wall	Date Sampled:	11/5/2019
Sample Matrix:	Soil	Date Analyzed:	11/5/2019
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
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<b>Total Petroleum Hydrocarbons</b>	<b>1,280</b>	<b>5.0</b>
-------------------------------------	--------------	------------

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **Central Bisti Unit #4**

Instrument calibrated to 200 ppm standard and zeroed before each sample.

Handwritten signature of Buttany Hall in blue ink.

Analyst

Isaac Garcia

Printed

Handwritten signature of Felipe Aragon in blue ink.

Review

Felipe Aragon, CES, CHMM

Printed

**EPA METHOD 418.1  
TOTAL PETROLEUM  
HYDROCARBONS**

Client:	DJR Operating	Project #:	17035-0150
Sample No.:	4	Date Reported:	9/17/2019
Sample ID:	North Wall	Date Sampled:	11/5/2019
Sample Matrix:	Soil	Date Analyzed:	11/5/2019
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
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<b>Total Petroleum Hydrocarbons</b>	<b>192</b>	<b>5.0</b>
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ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **Central Bisti Unit #4**

Instrument calibrated to 200 ppm standard and zeroed before each sample.

Buttany Hall for  
Analyst

Isaac Garcia  
Printed

Felipe Aragon  
Review

Felipe Aragon, CES, CHMM  
Printed





**EPA METHOD 418.1  
TOTAL PETROLEUM  
HYDROCARBONS**

Client:	DJR Operating	Project #:	17035-0150
Sample No.:	5	Date Reported:	9/17/2019
Sample ID:	East Wall	Date Sampled:	11/5/2019
Sample Matrix:	Soil	Date Analyzed:	11/5/2019
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
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<b>Total Petroleum Hydrocarbons</b>	<b>604</b>	<b>5.0</b>
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ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **Central Bisti Unit #4**

Instrument calibrated to 200 ppm standard and zeroed before each sample.

A handwritten signature in blue ink that reads 'Brittany Hall'.

Analyst

Isaac Garcia

Printed

A handwritten signature in blue ink that reads 'Felipe Aragon'.

Review

Felipe Aragon, CES, CHMM

Printed

**EPA METHOD 418.1  
TOTAL PETROLEUM  
HYDROCARBONS**

Client:	DJR Operating	Project #:	17035-0150
Sample No.:	6	Date Reported:	9/17/2019
Sample ID:	South Wall	Date Sampled:	11/5/2019
Sample Matrix:	Soil	Date Analyzed:	11/5/2019
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
-----------	--------------------------	--------------------------

<b>Total Petroleum Hydrocarbons</b>	<b>80</b>	<b>5.0</b>
-------------------------------------	-----------	------------

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **Central Bisti Unit #4**

Instrument calibrated to 200 ppm standard and zeroed before each sample.

A handwritten signature in blue ink that reads 'Brittany Hall'.

Analyst

for

Isaac Garcia

Printed

A handwritten signature in blue ink that reads 'Felipe Aragon'.

Review

Felipe Aragon, CES, CHMM

Printed

**envirotech****CONTINUOUS CALIBRATION  
EPA METHOD 418.1  
TOTAL PETROLEUM  
HYDROCARBONS**

Cal. Date: 22-Nov-19

Parameter	Standard Concentration mg/L	Concentration Reading mg/L
TPH	100	510
	200	
	500	
	1000	
	5000	

The accepted percent relative deviation (%RSD) of the calibration factor is less than 20% over the working range.

Analyst

9/17/2019

Date

Brittany Hall

Print Name

Review

9/17/2019

Date

Felipe Aragon, CES, CHMM

Print Name

**EPA METHOD 418.1  
TOTAL PETROLEUM  
HYDROCARBONS**

Client:	DJR Operating	Project #:	17035-0150
Sample No.:	1	Date Reported:	9/17/2019
Sample ID:	Base Center	Date Sampled:	11/22/2019
Sample Matrix:	Soil	Date Analyzed:	11/22/2019
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
-----------	--------------------------	--------------------------

<b>Total Petroleum Hydrocarbons</b>	<b>12</b>	<b>5.0</b>
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ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **Central Bisti Unit #4**

Instrument calibrated to 500 ppm standard and zeroed before each sample.

A handwritten signature in blue ink that reads 'Brittany Hall'.

Analyst

Brittany Hall

Printed

A handwritten signature in blue ink that reads 'Felipe Aragon'.

Review

Felipe Aragon, CES, CHMM

Printed

## **APPENDIX G**

*Bill of Lading and Special Waste Manifests*



*Practical Solutions for a Better Tomorrow*



**tech****Bill of Lading**MANIFEST # **65566**GENERATOR **DJR**POINT OF ORIGIN **CBU-74**TRANSPORTER **E. Tech**DATE **11-5-19** JOB # **17035-0150**

S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

## COMPLETE DESCRIPTION OF SHIPMENT

## TRANSPORTING COMPANY

MATERIAL	GRID	YDS	BBLs	DRUMS	TKT#	TRK#	TIME	DRIVER SIGNATURE
soil + soil	B28	20	-	-	<sup>340</sup> 1575	713	955	<i>mtk</i>
"	B28	20	-	-	1579	727	1013	<i>SV</i>
"	B28	20	-	-	1580	722	1015	<i>Arnel</i>
"	B28	20	-	-	<sup>340</sup> 1581	713	1155	<i>mtk</i>
"	B28	20	-	-	1582	727	1225	<i>Pat Doherty</i> <i>By Gary Rolando</i>
		<b>100</b>						

LANDFARM  
EMPLOYEE*Gary Rolando* **EL**

NOTES

☒ Soil w/ Debris ☐ After Hours/Weekend Reveal ☐ Scrape Out ☐ Wash Out

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load. Landfarm employee signature is certification of the above material being received and placed accordingly.

Phone \_\_\_\_\_

on of the legal document.

DISTRIBUTION: White - Company Records, Yellow - Billing, Pink - Customer, Goldenrod - LF Copy

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BOL# 65566

## CHLORIDE TESTING / PAINT FILTER TESTING

DATE 1-5-19 TIME 955 Attach test stripCUSTOMER DJRSITE CBU #4DRIVER Mike HoltSAMPLE Soil Straight ✓ With Dirt       CHLORIDE TEST -283 mg/KgACCEPTED YES ✓ NO       PAINT FILTER TEST Time started 955 Time completed 1005PASS YES ✓ NO       SAMPLER/ANALYST Gary Robinson

5796 US Hwy 64, Farmington, NM 87401 || Ph (505) 632-0615 Fr (800) 362-1879 Fx (505) 632-1865 || info@envirotech-inc.com envirotech-inc.com



BOL# 65566

## CHLORIDE TESTING / PAINT FILTER TESTING

DATE 11-5-19 TIME 1225 Attach test strip hereCUSTOMER DORSITE CBU-4DRIVER Jonnie ViapandoSAMPLE Soil Straight      With Dirt     CHLORIDE TEST -283 mg/KgACCEPTED YES      NO     PAINT FILTER TEST Time started 1225 Time completed 1236PASS YES      NO     SAMPLER/ANALYST Gary Robinson



<b>SPECIAL WASTE MANIFEST</b>		Manifest Document No. <b>SW - 1578</b>		Page 1 of		
Generator's Name <b>DSR Operating, LLC</b>		Generator's Address <b>1 RD 3263 Aztec NM 87410</b>		Generator's Telephone No. <b>505 632 3476</b>		
Origin of Special Waste (Project or Spill Location): <b>Central Bish Unit #4 (CBU #4) C-06-25N-12W</b>						
Transporter #1 Company Name <b>Envirotech Inc</b>		Address <b>5796 Hwy 104 B7401</b>		Telephone No. <b>505 632 0615</b>		
Transporter #2 Company Name		Address		Telephone No.		
Destination Facility Name/Site Address <b>Lamington #2 near Hilltop NM</b>		Facility ID (Permit) Number <b>NM010011</b>		Telephone No. <b>505 632 0615</b>		
<b>GENERATOR</b>	Type and Proper Name of Special Waste		Container(s) No.	Type	Total Quantity	Unit Wt/Vol
	<b>crude oil contaminated soil</b>		<b>1</b>	<b>DT</b>	<b>20</b>	<b>yds</b>
Additional Descriptions for Special Waste Listed Above:						
Special Handling Instructions: <b>TARP LOAD</b>						
<b>GENERATOR'S CERTIFICATION:</b> I hereby certify that the contents of this shipment are fully and accurately described above by type and proper name of the special waste, and that such waste has been managed, packaged, containerized and labeled in accordance with the requirements of 20.9.8 NMAC (Special Waste Requirements) in addition to any other applicable federal, state or local regulations.						
Printed/Typed Name: <b>James Garcia (Agent)</b>		Signature: <i>James Garcia</i> (Agent)		Date: <b>11/5/19</b>		
<b>TRANSPORTER</b>	Transporter 1 Acknowledgement of Receipt of Special Waste					
	Printed/Typed Name: <b>MIKE HOYT</b>		Signature: <i>Mike Hoyt</i>		Date: <b>11-5-19</b>	
	Transporter 2 Acknowledgement of Receipt of Special Waste					
	Printed/Typed Name:		Signature:		Date:	
<b>FACILITY</b>	Discrepancy Indication Space:					
	Facility Owner or Operator: <b>I hereby acknowledge receipt of the special waste as indicated upon this manifest, except as noted above in the Discrepancy Indication Space.</b>					
Printed/Typed Name: <b>GARY ROBINSON</b>		Signature: <i>Gary Robinson</i>		Date: <b>11-5-19</b>		





<b>SPECIAL WASTE MANIFEST</b>		Manifest Document No. <b>SW - 1579</b>		Page 1 of	
Generator's Name <b>DJR Operating, LLC</b>		Generator's Address <b>12421, NM 1 Road 3263 87410</b>		Generator's Telephone No. <b>505 632 3176</b>	
Origin of Special Waste (Project or Spill Location): <b>Central Bish Unit #4 (CBLU #4) C-06-25N-12W</b>					
Transporter #1 Company Name <b>Envirotech Inc.</b>		Address <b>5796 Hwy 64 87401</b>		Telephone No. <b>505 632 0615</b>	
Transporter #2 Company Name		Address		Telephone No.	
Destination Facility Name/Site Address <b>Lantarm #2 near Hillys, NM</b>		Facility ID (Permit) Number <b>NM D10011</b>		Telephone No. <b>505 632 0615</b>	
<b>Type and Proper Name of Special Waste</b>		<b>Container(s)</b>		<b>Total</b>	<b>Unit</b>
		<b>No.</b>	<b>Type</b>	<b>Quantity</b>	<b>Wt/Vol</b>
<b>crude oil contaminated soil</b>		<b>1</b>	<b>DT</b>	<b>20</b>	<b>yds</b>
<b>Additional Descriptions for Special Waste Listed Above:</b>					
<b>Special Handling Instructions:</b> <b>TARP LOAD</b>					
<b>GENERATOR'S CERTIFICATION:</b> I hereby certify that the contents of this shipment are fully and accurately described above by type and proper name of the special waste, and that such waste has been managed, packaged, containerized and labeled in accordance with the requirements of 20.9.8 NMAC (Special Waste Requirements) in addition to any other applicable federal, state or local regulations.					
Printed/Typed Name: <b>Roscoe Garcia (As Agent)</b>		Signature: <i>Roscoe Garcia</i>		Date: <b>11/5/19</b>	
<b>Transporter 1 Acknowledgement of Receipt of Special Waste</b>					
Printed/Typed Name: <b>Joanne Valdivia</b>		Signature: <i>Joanne Valdivia</i>		Date: <b>11-5-19</b>	
<b>Transporter 2 Acknowledgement of Receipt of Special Waste</b>					
Printed/Typed Name:		Signature:		Date:	
<b>Discrepancy Indication Space:</b>					
<b>Facility Owner or Operator:</b> I hereby acknowledge receipt of the special waste as indicated upon this manifest, except as noted above in the Discrepancy Indication Space.					
Printed/Typed Name: <b>Gary Robinson</b>		Signature: <i>Gary Robinson</i>		Date: <b>11-5-19</b>	





<b>SPECIAL WASTE MANIFEST</b>		Manifest Document No. <b>SW - 1580</b>		Page 1 of			
Generator's Name <b>DJR Operating LLC</b>		Generator's Address <b>1 RD 3263 AZAR NM 87410</b>		Generator's Telephone No. <b>505 632 3476</b>			
Origin of Special Waste (Project or Spill Location): <b>Central BSA Unit #4 (CBH #4) C-06-25A-12W</b>							
Transporter #1 Company Name <b>envirotech inc</b>		Address <b>5796 Hwy 64 B7401</b>		Telephone No. <b>505 632 0615</b>			
Transporter #2 Company Name		Address		Telephone No.			
Destination Facility Name/Site Address <b>Landfarm #2 Near Hilltop NM</b>		Facility ID (Permit) Number <b>NM010011</b>		Telephone No. <b>505 632 0615</b>			
<b>GENERATOR</b>	Type and Proper Name of Special Waste			Container(s) No.	Type	Total Quantity	Unit Wt/Vol
	<b>Crude oil contaminated soil</b>			<b>1</b>	<b>BT</b>	<b>20</b>	<b>yds</b>
Additional Descriptions for Special Waste Listed Above:							
Special Handling Instructions: <b>TARP LOAD</b>							
<b>GENERATOR'S CERTIFICATION:</b> I hereby certify that the contents of this shipment are fully and accurately described above by type and proper name of the special waste, and that such waste has been managed, packaged, containerized and labeled in accordance with the requirements of 20.9.8 NMAC (Special Waste Requirements) in addition to any other applicable federal, state or local regulations.							
Printed/Typed Name: <b>Isaac Garcia (As Agent)</b>		Signature: <i>[Signature]</i>		Date: <b>11/5/19</b>			
<b>TRANSPORTER</b>	Transporter 1 Acknowledgement of Receipt of Special Waste						
	Printed/Typed Name: <b>Arnold Vign</b>		Signature: <i>[Signature]</i>		Date: <b>11/5/19</b>		
	Transporter 2 Acknowledgement of Receipt of Special Waste						
	Printed/Typed Name:		Signature:		Date:		
<b>FACILITY</b>	Discrepancy Indication Space:						
	Facility Owner or Operator: <b>I hereby acknowledge receipt of the special waste as indicated upon this manifest, except as noted above in the Discrepancy Indication Space.</b>						
	Printed/Typed Name: <b>Gary Robinson</b>		Signature: <i>[Signature]</i>		Date: <b>11-5-19</b>		



<b>SPECIAL WASTE MANIFEST</b>		Manifest Document No. <b>SW - 1581</b>		Page 1 of			
Generator's Name <b>DTR Operating LLC</b>		Generator's Address <b>1 RD 3263 Aztec NM 87410</b>		Generator's Telephone No. <b>505 632 3476</b>			
Origin of Special Waste (Project or Spill Location): <b>Central Bish Unit #4 (CBU #4) 1-06-25N-12W</b>							
Transporter #1 Company Name <b>envirotech inc</b>		Address <b>1516 HWY 64 BTHO</b>		Telephone No. <b>505 632 0615</b>			
Transporter #2 Company Name		Address		Telephone No.			
Destination Facility Name/Site Address <b>Landfarm #2 near Hilltop NM</b>		Facility ID (Permit) Number <b>NM 010011</b>		Telephone No. <b>505 632 0615</b>			
<b>GENERATOR</b>	Type and Proper Name of Special Waste			Container(s) No.	Type	Total Quantity	Unit Wt/Vol
	<b>crude oil contaminated soil</b>			<b>1</b>	<b>BT</b>	<b>20</b>	<b>lbs</b>
Additional Descriptions for Special Waste Listed Above:							
Special Handling Instructions: <b>TARP LOAD</b>							
<b>GENERATOR'S CERTIFICATION:</b> I hereby certify that the contents of this shipment are fully and accurately described above by type and proper name of the special waste, and that such waste has been managed, packaged, containerized and labeled in accordance with the requirements of 20.9.8 NMAC (Special Waste Requirements) in addition to any other applicable federal, state or local regulations.							
Printed/Typed Name: <b>Esau Garcia (As Agent)</b>		Signature: <i>[Signature]</i> (As Agent)		Date: <b>11-5-19</b>			
<b>TRANSPORTER</b>	Transporter 1 Acknowledgement of Receipt of Special Waste						
	Printed/Typed Name: <b>Mike Hoyt</b>		Signature: <i>[Signature]</i> 76A		Date: <b>11-5-19</b>		
	Transporter 2 Acknowledgement of Receipt of Special Waste						
	Printed/Typed Name:		Signature:		Date:		
<b>FACILITY</b>	Discrepancy Indication Space:						
	Facility Owner or Operator: <b>I hereby acknowledge receipt of the special waste as indicated upon this manifest, except as noted above in the Discrepancy Indication Space.</b>						
	Printed/Typed Name: <b>Carv Robinson</b>		Signature: <i>[Signature]</i>		Date: <b>11-5-19</b>		



<b>SPECIAL WASTE MANIFEST</b>		Manifest Document No. <b>SW - 1582</b>		Page 1 of			
Generator's Name <b>DSE Operating LLC</b>		Generator's Address <b>1 RD 3203 B7410</b>		Generator's Telephone No. <b>505 632 3176</b>			
Origin of Special Waste (Project or Spill Location): <b>Control Dish Unit #4 (CP#1 #4) C-06-25N-12W</b>							
Transporter #1 Company Name <b>envirotech Inc.</b>		Address <b>57910 Hwy 64 B7401</b>		Telephone No. <b>505 632 0615</b>			
Transporter #2 Company Name		Address		Telephone No.			
Destination Facility Name/Site Address <b>Landfarm #2 near Hilltop NM</b>		Facility ID (Permit) Number <b>NM 010011</b>		Telephone No. <b>505 632 0615</b>			
<b>GENERATOR</b>	Type and Proper Name of Special Waste			Container(s) No.	Type	Total Quantity	Unit Wt/Vol
	<b>Crude oil contaminated soil</b>			<b>1</b>	<b>DT</b>	<b>20</b>	<b>yds</b>
Additional Descriptions for Special Waste Listed Above:							
Special Handling Instructions: <b>TARP LOAD</b>							
<b>GENERATOR'S CERTIFICATION:</b> I hereby certify that the contents of this shipment are fully and accurately described above by type and proper name of the special waste, and that such waste has been managed, packaged, containerized and labeled in accordance with the requirements of 20.9.8 NMAC (Special Waste Requirements) in addition to any other applicable federal, state or local regulations.							
Printed/Typed Name: <b>Isaac Garcia (As Agent)</b>		Signature: <i>(Signature)</i>		Date: <b>11/5/19</b>			
<b>TRANSPORTER</b>	Transporter 1 Acknowledgement of Receipt of Special Waste						
	Printed/Typed Name: <b>Donnie Valdez</b>		Signature: <i>(Signature)</i>		Date: <b>11/5/19</b>		
	Transporter 2 Acknowledgement of Receipt of Special Waste						
Printed/Typed Name:		Signature:		Date:			
<b>FACILITY</b>	Discrepancy Indication Space:						
	Facility Owner or Operator: <b>I hereby acknowledge receipt of the special waste as indicated upon this manifest, except as noted above in the Discrepancy Indication Space.</b>						
	Printed/Typed Name: <b>Gary Robinson</b>		Signature: <i>(Signature)</i>		Date: <b>11-5-19</b>		



# Bill of Lading

GENERATOR DJR

POINT OF ORIGIN central Bistivity II 4

TRANSPORTER 487

DATE 11-22-19 JOB # 17035-0650

.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

COMPLETE DESCRIPTION OF SHIPMENT

TRANSPORTING COMPANY

[illegible]LANDFARM  
EMPLOYEE

## NOTES

☐ Soil w/ Debris    ☐ After Hours/Weekend Reveal    ☐ Scrape Out    ☐ Wash Out

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load. Landfarm employee signature is certification of the above material being received and placed accordingly.

Phone \_\_\_\_\_

on of the legal document.

**DISTRIBUTION:**    **White** - Company Records,    **Yellow** - Billing,    **Pink** - Customer,    **Goldenrod** - LF Copy

SAN JUAN PRINTING 021971E



## CHLORIDE TESTING / PAINT FILTER TESTING

DATE 11-22-19 TIME 10:40 Attach test strip hereCUSTOMER DJRSITE CENTRAL BISHOP UNIT II 4DRIVER X [signature]SAMPLE Soil Straight \_\_\_\_\_ With Dirt \_\_\_\_\_CHLORIDE TEST -283 mg/KgACCEPTED YES ✓ NO \_\_\_\_\_PAINT FILTER TEST Time started 10:40 Time completed 10:45PASS YES ✓ NO \_\_\_\_\_SAMPLER/ANALYST [signature]





<b>SPECIAL WASTE MANIFEST</b>		Manifest Document No. <b>SW - 1593</b>	Page 1 of	
Generator's Name <b>DDR Operating LLC</b>		Generator's Address <b>1 Rd 3063 Aztec NM 87410</b>	Generator's Telephone No. <b>505-632-3476</b>	
Origin of Special Waste (Project or Spill Location): <b>Central B. Sta Unit #4 (BU#4) C-06-25N-12W</b>				
Transporter #1 Company Name <b>LTL O.H.H.</b>	Address	Telephone No.		
Transporter #2 Company Name	Address	Telephone No.		
Destination Facility Name/Site Address <b>Land Farm 2 Hilltop NM 87413</b>	Facility ID (Permit) Number <b>NM-01-0011</b>	Telephone No. <b>505-632-0615</b>		
Type and Proper Name of Special Waste		Container(s) No.	Total Quantity	Unit WT/Vol
		Type		
<b>petroleum contaminated soil</b>		<b>1</b>	<b>4</b>	<b>10 Cy</b>
Additional Descriptions for Special Waste Listed Above:				
Special Handling Instructions: <b>Tarp load</b>				
<b>GENERATOR'S CERTIFICATION:</b> I hereby certify that the contents of this shipment are fully and accurately described above by type and proper name of the special waste, and that such waste has been managed, packaged, containerized and labeled in accordance with the requirements of 20.9.8 NMAC (Special Waste Requirements) in addition to any other applicable federal, state or local regulations.				
Printed/Typed Name: <b>Dave as agent</b>		Signature: <i>[Signature]</i>		Date: <b>11/22/19</b>
<b>Transporter 1 Acknowledgement of Receipt of Special Waste</b>				
Printed/Typed Name: <b>Orlando Benally</b>		Signature: <i>[Signature]</i>		Date: <b>11-22-19</b>
<b>Transporter 2 Acknowledgement of Receipt of Special Waste</b>				
Printed/Typed Name:		Signature:		Date:
<b>Discrepancy Indication Space:</b>				
Facility Owner or Operator: <b>I hereby acknowledge receipt of the special waste as indicated upon this manifest, except as noted above in the Discrepancy Indication Space.</b>				
Printed/Typed Name: <b>DAVE LARSEN</b>		Signature: <i>[Signature]</i>		Date: <b>11-22-19</b>