

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

Responsible Party: <b>Enterprise Field Services, LLC</b>	OGRID: <b>241602</b>
Contact Name: <b>Thomas Long</b>	Contact Telephone: <b>505-599-2286</b>
Contact email: <b>tjlong@eprod.com</b>	<b>Incident # (assigned by OCD): nAPP212923819</b>
Contact mailing address: <b>614 Reilly Ave, Farmington, NM 87401</b>	

### Location of Release Source

Latitude **36.551656** Longitude **-107.982185** (NAD 83 in decimal degrees to 5 decimal places)

Site Name <b>Douthit Federal #6 PC</b>	Site Type <b>Natural Gas Gathering Pipeline</b>
Date Release Discovered: <b>10/19/2021</b>	Serial Number (if applicable): <b>N/A</b>

Unit Letter	Section	Township	Range	County
<b>D</b>	<b>26</b>	<b>27N</b>	<b>11W</b>	<b>San Juan</b>

Surface Owner: ☐ State ☒ Federal ☒ Tribal ☐ Private (Name: **Navajo Nation and BLM**)

### Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<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 checked="" type="checkbox"/> Condensate	Volume Released (bbls): <b>5-10 BBLS</b>	Volume Recovered (bbls): <b>None</b>
<input checked="" type="checkbox"/> Natural Gas	Volume Released (Mcf): <b>1.3 MCF</b>	Volume Recovered (Mcf): <b>None</b>
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units):	Volume/Weight Recovered (provide units)

**Cause of Release** On August 31, 2021, Enterprise had a release of natural gas from the Douthit Federal #6 PC pipeline. The pipeline was isolated, depressurized, locked and tagged out. No liquids were observed of the ground surface. No residents were affected. No washes or waterways were affected. No emergency services responded. The release was located under a paved road to a solid waste transfer station. After acquisition of proper permits and property access, on October 19, 2021, Enterprise was granted permission to cut the pavement and begin repair and remediation activities. At which time Enterprise determined the release was reportable per NMOCD regulation by the volume of subsurface soil impacted by liquids. Remediation and repairs were completed on November 4, 2021. The final excavation dimensions measured approximately 50 feet long by 40 feet wide by 18 feet deep. Approximately 1,862 cubic yards of hydrocarbon impacted soil was excavated and transported to a New Mexico Oil Conservation Division (NMOCD) approved land farm. A third party closure report is included with this "Final." C-141.

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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: Thomas Long Title: Senior Environmental Scientist

Signature:  Date: 02-14-2022

email: tjlong@eprod.com Telephone: (505) 599-2286

### 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: 04/22/2022

Printed Name: Nelson Velez Title: Environmental Specialist – Adv



## CLOSURE REPORT

Property:

**Douthit Federal #6 PC (10/19/21)  
Unit Letter D, S26 T27N R11W  
San Juan County, New Mexico**

**NM EMNRD OCD Incident ID No. NAPP2129253819**

February 2, 2022  
Ensolum Project No. 05A1226157

Prepared for:

**Enterprise Field Services, LLC  
614 Reilly Avenue  
Farmington, NM 87401  
Attn: Mr. Thomas Long**

Prepared by:

A handwritten signature in blue ink, reading "Ranee Deechilly".

Ranee Deechilly  
Project Manager

A handwritten signature in blue ink, reading "Kyle Summers".

Kyle Summers  
Senior Project Manager

Closure Report  
Enterprise Field Services, LLC  
Douthit Federal #6 PC (10/19/21)  
February 2, 2022



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## 1.0 INTRODUCTION

### 1.1 Site Description & Background

<b>Operator:</b>	Enterprise Field Services, LLC / Enterprise Products Operating LLC (Enterprise)
<b>Site Name:</b>	Douthit Federal #6 PC (10/19/21) (Site)
<b>NM EMNRD OCD Incident ID No.</b>	NAPP2129253819
<b>Location:</b>	36.551656° North, 107.982185° West Unit Letter D, Section 26, Township 27 North, Range 11 West San Juan County, New Mexico
<b>Property:</b>	Office of Navajo Lands (adjacent to Navajo Nation Lands)
<b>Regulatory:</b>	New Mexico (NM) Energy, Minerals and Natural Resources Department (EMNRD) Oil Conservation Division (OCD)

On August 31, 2021, a third party notified Enterprise of a possible leak on the Douthit Federal #6 well tie. Enterprise investigated the area and confirmed a pipeline leak. Enterprise subsequently isolated and locked the pipeline out of service. On September 7, 2021, Enterprise initiated activities to repair the pipeline and remediate petroleum hydrocarbon impact. However, Enterprise halted further excavation to obtain approval prior to excavating in the transfer station road. On October 19, 2021, Enterprise resumed excavation activities and determined the release was “reportable” due to the estimated volume of impacted soil. The NM EMNRD OCD was subsequently notified by Enterprise.

A **Topographic Map** depicting the location of the Site is included as **Figure 1**, and a **Site Vicinity Map** is included as **Figure 2** in **Appendix A**.

### 1.2 Project Objective

The primary objective of the closure activities was to reduce constituent of concern (COC) concentrations in the on-site soils to below the applicable NM EMNRD OCD closure criteria.

## 2.0 CLOSURE CRITERIA

The Site is subject to regulatory oversight by the NM EMNRD OCD. To address activities related to oil and gas releases, the NM EMNRD OCD references NM Administrative Code (NMAC) 19.15.29 *Releases*, which establishes investigation and abatement action requirements for oil and gas release sites that are subject to reporting and/or corrective action. Ensolum, LLC (Ensolum) utilized information provided by Enterprise, the general site characteristics, and information available from the NM Office of the State Engineer (OSE) and the NM EMNRD OCD imaging database to determine the appropriate closure criteria for the Site. Supporting figures and documentation associated with the following Siting bullets are provided in **Appendix B**.

- The OSE tracks the usage and assignment of water rights and water well installations and records this information in the Water Rights Reporting System (WRRS) database. Water wells and other points of diversion (PODs) are each assigned POD numbers in the database (which is searchable and includes an interactive map). One POD (SJ-00077) was identified in an adjacent Public Land Survey System (PLSS) section. The records for this POD indicate a depth to water of 550 feet below grade surface (bgs). This POD is located approximately 0.6 miles east of the Site and located at a higher elevation (6,447 feet) than the Site (6,419 feet) (**Figure A, Appendix B**).

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- Nine cathodic protection wells (CPWs) were identified in the NM EMNRD OCD imaging database within one mile of the Site and in adjacent PLSS sections. The approximate locations of the three closest CPWs are depicted on **Figure B (Appendix B)**. One CPW is associated with the Douthit #262 & #5 oil/gas production wells and is located approximately 0.6 miles southeast of the Site and at a higher elevation (6,456 feet) than the Site, with a reported depth to water of 160 feet bgs. The second CPW is associated with the Douthit Federal #261, #3E, and #4 oil/gas production wells and is located approximately 0.7 miles southeast of the Site and at a higher elevation (6,452 feet) than the Site, with a reported depth to water of 115 feet bgs. The third CPW is associated with the Scott "E" Fed #22-32 and #22-22 oil/gas production wells and is located approximately 0.8 miles north of the Site and at a lower elevation (6,356) than the Site, with reported depth to water of 95 feet bgs. The remaining six CPWs are located over one mile from the Site and have reported depths to water ranging from 90 feet bgs to 180 feet bgs.
- The Site is not located within 300 feet of a NM EMNRD OCD-defined continuously flowing watercourse or significant watercourse (**Figure C, Appendix B**).
- The Site is not located within 200 feet of a lakebed, sinkhole, or playa lake.
- The Site is not located within 300 feet of a permanent residence, school, hospital, institution, or church. The closest permanent residence is located approximately 1,400 feet south of the Site (**Figure D, Appendix B**).
- No springs, or private domestic fresh water wells used by less than five households for domestic or stock watering purposes were identified within 500 feet of the Site (**Figure E, Appendix B**).
- No fresh water wells or springs were identified within 1,000 feet of the Site (**Figure E, Appendix B**).
- The Site is not located within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to New Mexico Statutes Annotated (NMSA) 1978, Section 3-27-3.
- Based on information identified in the U.S. Fish & Wildlife Service National Wetlands Inventory Wetlands Mapper, the Site is not located within 300 feet of a wetland (**Figure F, Appendix B**).
- Based on information identified in the NM Mining and Minerals Division's Geographic Information System (GIS) Maps and Mine Data database, the Site is not located within an area overlying a subsurface mine (**Figure G, Appendix B**).
- The Site is not located within an unstable area.
- Based on information provided by the Federal Emergency Management Agency (FEMA) National Flood Hazard Layer (NFHL) geospatial database the location of the Site is not located within a 100-year floodplain (**Figure H, Appendix B**).

Based on available information, Enterprise estimates the depth to water at the Site to be greater than 50 feet bgs. Applicable closure criteria for soils (below four feet) remaining in place at the Site include:

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Closure Criteria for Soils Impacted by a Release (Tier II)		
Constituent <sup>1</sup>	Method	Limit
Chloride	EPA 300.0 or SM4500 Cl B	10,000 mg/kg
TPH (GRO+DRO+MRO) <sup>2</sup>	EPA SW-846 Method 8015	2,500 mg/kg
TPH (GRO+DRO)	EPA SW-846 Method 8015	1,000 mg/kg
BTEX <sup>3</sup>	EPA SW-846 Method 8021 or 8260	50 mg/kg
Benzene	EPA SW-846 Method 8021 or 8260	10 mg/kg

<sup>1</sup> – Constituent concentrations are in milligrams per kilograms (mg/kg).

<sup>2</sup> – Total Petroleum Hydrocarbons (TPH). Gasoline Range Organics (GRO). Diesel Range Organics (DRO). Motor Oil/Lube Oil Range Organics (MRO).

<sup>3</sup> – Benzene, Toluene, Ethylbenzene, and Total Xylenes (BTEX).

In addition, the closure criteria (reclamation requirements of NMAC 19.15.29.13(D)(1)) for the upper four feet of soils at the Site include:

Closure Criteria for Soils Impacted by a Release (Soil Zone)		
Constituent	Method	Limit
Chloride	EPA 300.0 or SM4500 Cl B	600 mg/kg
TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015	100 mg/kg
BTEX	EPA SW-846 Method 8021 or 8260	50 mg/kg
Benzene	EPA SW-846 Method 8021 or 8260	10 mg/kg

### 3.0 SOIL REMEDIATION ACTIVITIES

On September 7, 2021, Enterprise initiated activities to remediate petroleum hydrocarbon impact resulting from the release. During the remediation and corrective action activities, Industrial Mechanical Inc (IMI), provided heavy equipment and labor support, while Ensolum provided environmental consulting support.

The final excavation measured approximately 50 feet long and 40 feet wide at the maximum extents. The maximum depth of the excavation measured approximately 18 feet bgs. The lithology encountered during the completion of remediation activities consisted primarily of road base, unconsolidated silty sand, consolidated silty clay, and weathered sandstone.

Approximately 1,862 cubic yards (yd<sup>3</sup>) of petroleum hydrocarbon affected soils/sandstone and 125 barrels (bbls) of hydro-excavation soil cuttings and water were transported to the Envirotech, Inc., (Envirotech) landfarm near Hilltop, NM for disposal/remediation. The executed C-138 solid waste acceptance form is provided in **Appendix C**. The excavation was backfilled with imported fill, and the area was then compacted and contoured to the surrounding grade. The road was then reconstructed.

**Figure 3** is a map that identifies approximate soil sample locations and depicts the approximate dimensions of the excavation with respect to the pipeline (**Appendix A**). Photographic documentation of the field activities is included in **Appendix D**.

### 4.0 SOIL SAMPLING PROGRAM

Ensolum field screened the soil samples from the excavation utilizing a calibrated Dexsil PetroFLAG<sup>®</sup> hydrocarbon analyzer system and a photoionization detector (PID) fitted with a 10.6 eV lamp to guide excavation extents.

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Ensolum's soil sampling program included the collection of 40 composite soil samples (S-1 through S-40) from the excavation for laboratory analysis. The composite samples were comprised of five aliquots each and represent an estimated 200 square foot (ft<sup>2</sup>) sample area per guidelines outlined in Section D of 19.15.29.12 NMAC. Hand tools and an excavator, operated by IMI, were utilized to obtain fresh aliquots from each area of the excavation. Regulatory correspondence is provided in **Appendix E**.

#### **First Sampling Event**

On October 19, 2021, the first sampling event was performed at the Site. Composite soil samples S-1 (0'-4') and S-2 (0'-4') were collected from the walls adjacent to the road. These samples were collected before the road was removed by excavation.

#### **Second Sampling Event**

On October 25, 2021, a second sampling event was performed. The NM EMNRD OCD was notified of the sampling event although no representative was present during sampling activities. Composite soil samples S-3 (4'-11') and S-4 (4'-11') were collected from the end walls of the excavation. Composite soil samples S-5 (11'), S-6 (11'), and S-7 (11') were collected from the floor of the excavation. Composite soil samples S-8 (0'-4'), S-9 (0'-4'), S-10 (4'-11'), S-11 (4'-11'), S-12 (4'-11'), S-13 (4'-11'), S-14 (0'-4'), and S-15 (0'-4') were collected from the sloped walls of the excavation. Subsequent soil analytical results identified COC concentrations that exceeded the NM EMNRD OCD closure criteria for composite soil samples S-5, S-6, S-8, S-10, S-11, and S-13. In response to the exceedances the excavation was deepened and extended to the north and south. Soil associated samples S-5, S-6, S-8, S-10, S-11, and S-13 were removed by excavation and transported to the landfarm. Soil associated with samples S-9, S-12, S-14, and S-15 exhibited COC concentrations below the closure criteria however the soil associated with these samples were removed with the impacted soils due to the sloping requirements and to provide adequate access.

#### **Third Sampling Event**

On November 2, 2021, a third sampling event was performed. The NM EMNRD OCD was notified of the sampling event although no representative was present during sampling activities. Composite soil samples S-16 (16'), S-17 (16'), S-18 (16'), S-19 (16'), S-20 (16'), and S-21 (16') were collected from the floor of the excavation. Composite soil samples S-22 (11'-16'), S-23 (0'-4'), S-24 (4'-16'), S-25 (4'-16'), S-26 (4'-16'), S-27 (0'-4'), S-28 (0'-4'), S-29 (4'-11'), S-30 (11'-16'), S-31 (4'-11'), S-32 (4'-16'), S-33 (0'-4'), S-34 (4'-16'), S-35 (4'-16'), S-36 (4'-16'), S-37 (0'-4'), and S-38 (0'-4') were collected from the sloped walls of the excavation. Subsequent soil analytical results identified COC concentrations that exceeded the NM EMNRD OCD closure criteria for soil sample S-16. The excavation was deepened in the vicinity of composite soil sample S-16. Soil associated with sample S-16 was removed by excavation and transported to the landfarm for disposal/remediation.

#### **Fourth Sampling Event**

On November 4, 2021, a fourth sampling event was performed. The NM EMNRD OCD was notified of the sampling event although no representative was present during sampling activities. Composite soil samples S-39 (16'-18') and S-40 (16'-18') were collected from the floor and short walls of the deepened excavation to replace soil sample S-16.

All soil samples were collected and placed in laboratory prepared glassware. The containers were labeled and sealed using the laboratory supplied labels and custody seals and were stored on ice in a cooler. The samples were relinquished to the courier for Hall Environmental Analysis Laboratory of Albuquerque, NM, under proper chain-of-custody procedures.

## **5.0 SOIL LABORATORY ANALYTICAL METHODS**

The composite soil samples were analyzed for BTEX using Environmental Protection Agency (EPA) SW-846 Method #8021; TPH GRO/DRO/MRO using EPA SW-846 Method #8015; and chlorides using EPA Method #300.0.

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The laboratory analytical results are summarized in **Table 1A** and **Table 1B (Appendix F)**. The laboratory data sheets and executed chain-of-custody forms are provided in **Appendix G**.

## 6.0 SOIL DATA EVALUATION

Ensolum compared the BTEX, TPH, and chloride laboratory analytical results or laboratory practical quantitation limits (PQLs) / reporting limits (RLs) associated with the composite soil samples (S-1 through S-4, S-7, and S-17 through S-40) to the applicable NM EMNRD OCD closure criteria. The soils associated with composite soil samples S-5, S-6, and S-8 through S-16 were removed from the Site, and therefore are not included in the following discussion.

- The laboratory analytical results for composite soil samples S-17 and S-40 indicate benzene concentrations of 0.16 mg/kg and 0.020 mg/kg, which are less than the applicable New Mexico EMNRD OCD closure criteria of 10 mg/kg. The laboratory analytical results for all other composite soil samples collected from soils remaining at the Site indicate that benzene is not present at concentrations greater than the laboratory PQLs/RLs, which are less than the applicable NM EMNRD OCD closure criteria of 10 mg/kg.
- The laboratory analytical results for composite soil samples S-7, S-17, S-19, S-20, S-21, S-39, and S-40 indicate total BTEX concentrations ranging from 0.74 mg/kg (S-7) to 41 mg/kg (S-17), which are less than the applicable NM EMNRD OCD closure criteria of 50 mg/kg. The laboratory analytical results for all other composite soil samples collected from soils remaining at the Site indicate that total BTEX is not present at concentrations greater than the laboratory PQLs/RLs, which are less than the applicable NM EMNRD OCD closure criteria of 50 mg/kg.
- The laboratory analytical results for composite soil samples S-17, S-19, S-20, S-39, and S-40 indicate combined TPH GRO/DRO concentrations ranging from 6.2 mg/kg (S-40) to 200 mg/kg (S-17), which are less than the applicable New Mexico EMNRD OCD closure criteria of 1,000 mg/kg. The laboratory analytical results for all other composite soil samples collected from soils remaining at the Site indicate combined TPH GRO/DRO is not present at concentrations greater than the laboratory PQLs/RLs, which are less than the applicable New Mexico EMNRD OCD closure criteria of 1,000 mg/kg.
- The laboratory analytical results for composite soil samples S-17, S-19, S-20, S-39, and S-40 indicate combined TPH GRO/DRO/MRO concentrations ranging from 6.2 mg/kg (S-40) to 200 mg/kg (S-17), which are less than the applicable New Mexico EMNRD OCD closure criteria of 2,500 mg/kg. The laboratory analytical results for all other composite soil samples collected from soils remaining at the Site indicate combined TPH GRO/DRO/MRO is not present at concentrations greater than the laboratory PQLs/RLs, which are less than the applicable New Mexico EMNRD OCD closure criteria of 2,500 mg/kg.
- The laboratory analytical results for composite soil samples S-27, S-30, S-35, S-37, and S-38 indicate chloride concentrations ranging from 72 mg/kg (S-30) to 370 mg/kg (S-38), which are less than the applicable New Mexico EMNRD OCD closure criteria of 600 mg/kg or 10,000 mg/kg, depending on the depth of the individual samples. The laboratory analytical results for all other composite soil samples collected from soils remaining at the Site indicate chloride is not present at concentrations greater than the laboratory PQLs/RLs, which are less than the applicable New Mexico EMNRD OCD closure criteria of 10,000 mg/kg.

The laboratory analytical results are summarized in **Table 1A** and **Table 1B (Appendix F)**.



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## 7.0 RECLAMATION AND REVEGETATION

The excavation was backfilled with imported fill and was then contoured to surrounding grade. The road was then reconstructed.

## 8.0 FINDINGS AND RECOMMENDATION

- Forty composite soil samples were collected from the Site. Based on laboratory analytical results, no benzene, BTEX, chloride, or combined TPH GRO/DRO/MRO exceedances were identified in the soils remaining at the Site.
- Approximately 1,862 yd<sup>3</sup> of petroleum hydrocarbon affected soils/sandstone and 125 bbls of hydro-excavation soil cuttings and water were transported to the Envirotech landfarm for disposal/remediation. The excavation was backfilled with imported fill, and the area was then compacted and contoured to the surrounding grade. The road was then reconstructed.

**Based on field observations and laboratory analytical results, no additional investigation or corrective action appears warranted at this time.**

## 9.0 STANDARDS OF CARE, LIMITATIONS, AND RELIANCE

### 9.1 Standard of Care

Ensolum's services were performed in accordance with standards customarily provided by a firm rendering the same or similar services in the area during the same time period. Ensolum makes no warranties, express or implied, as to the services performed hereunder. Additionally, Ensolum does not warrant the work of third parties supplying information used in the report (e.g., laboratories, regulatory agencies, or other third parties).

### 9.2 Limitations

Findings, conclusions, and recommendations resulting from these services are based upon information derived from the on-Site activities and other services performed under this scope of work and it should be noted that this information is subject to change over time. Certain indicators of the presence of hazardous substances, petroleum products, or other constituents may have been latent, inaccessible, unobservable, or not present during these services, and Ensolum cannot represent that the Site contains no hazardous substances, toxic materials, petroleum products, or other latent conditions beyond those identified during the investigation. Environmental conditions at other areas or portions of the Site may vary from those encountered at actual sample locations. Ensolum's findings and recommendation are based solely upon data available to Ensolum at the time of these services.

### 9.3 Reliance

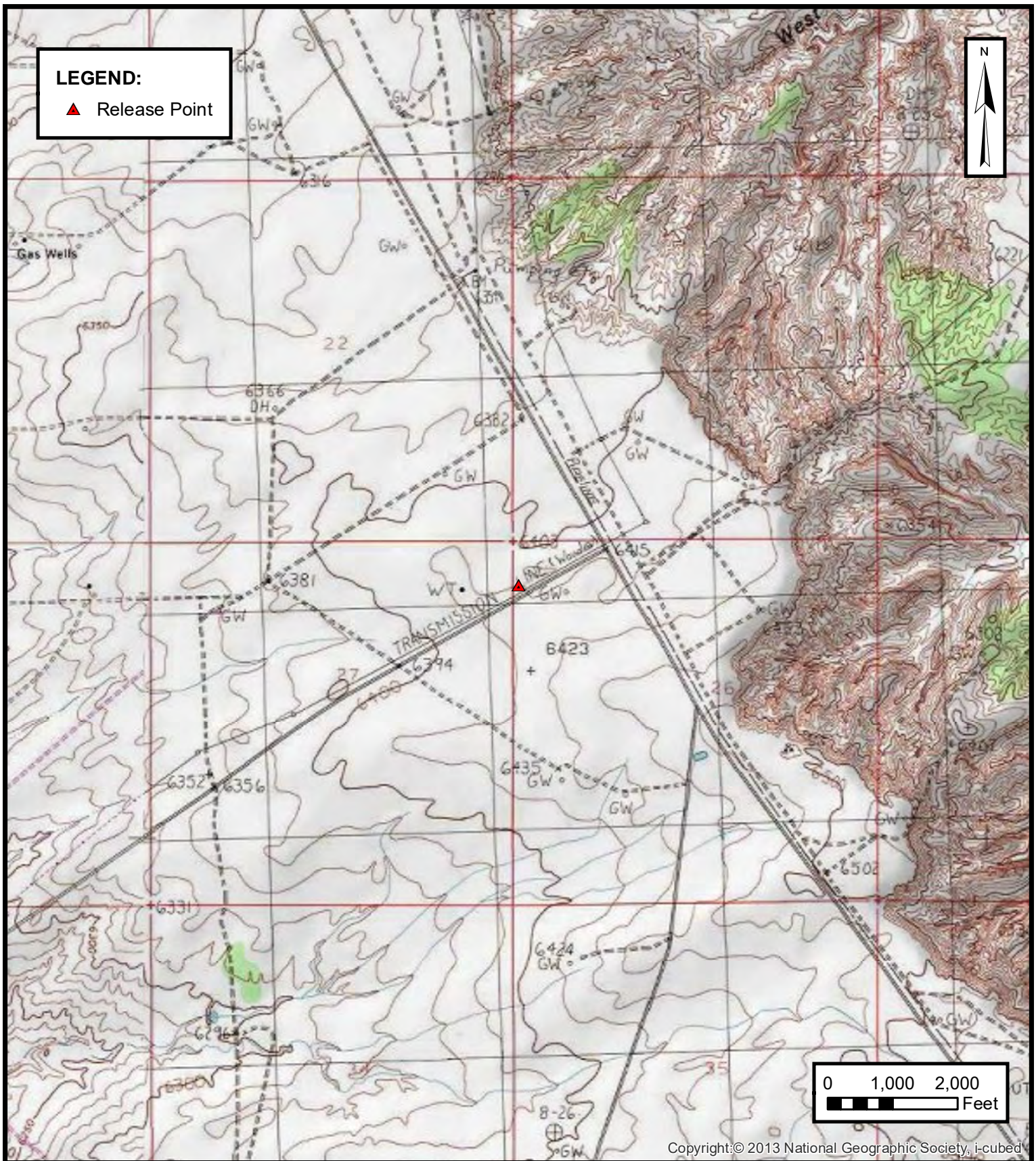
This report has been prepared for the exclusive use of Enterprise, and any authorization for use or reliance by any other party (except a governmental entity having jurisdiction over the Site) is prohibited without the express written authorization of Enterprise and Ensolum. Any unauthorized distribution or reuse is at the client's sole risk. Notwithstanding the foregoing, reliance by authorized parties will be subject to the terms, conditions and limitations stated in the Closure Report, and Ensolum's Master Services Agreement. The limitation of liability defined in the agreement is the aggregate limit of Ensolum's liability to the client.



## APPENDIX A

### Figures





**ENSOLUM**  
Environmental & Hydrogeologic Consultants

### TOPOGRAPHIC MAP

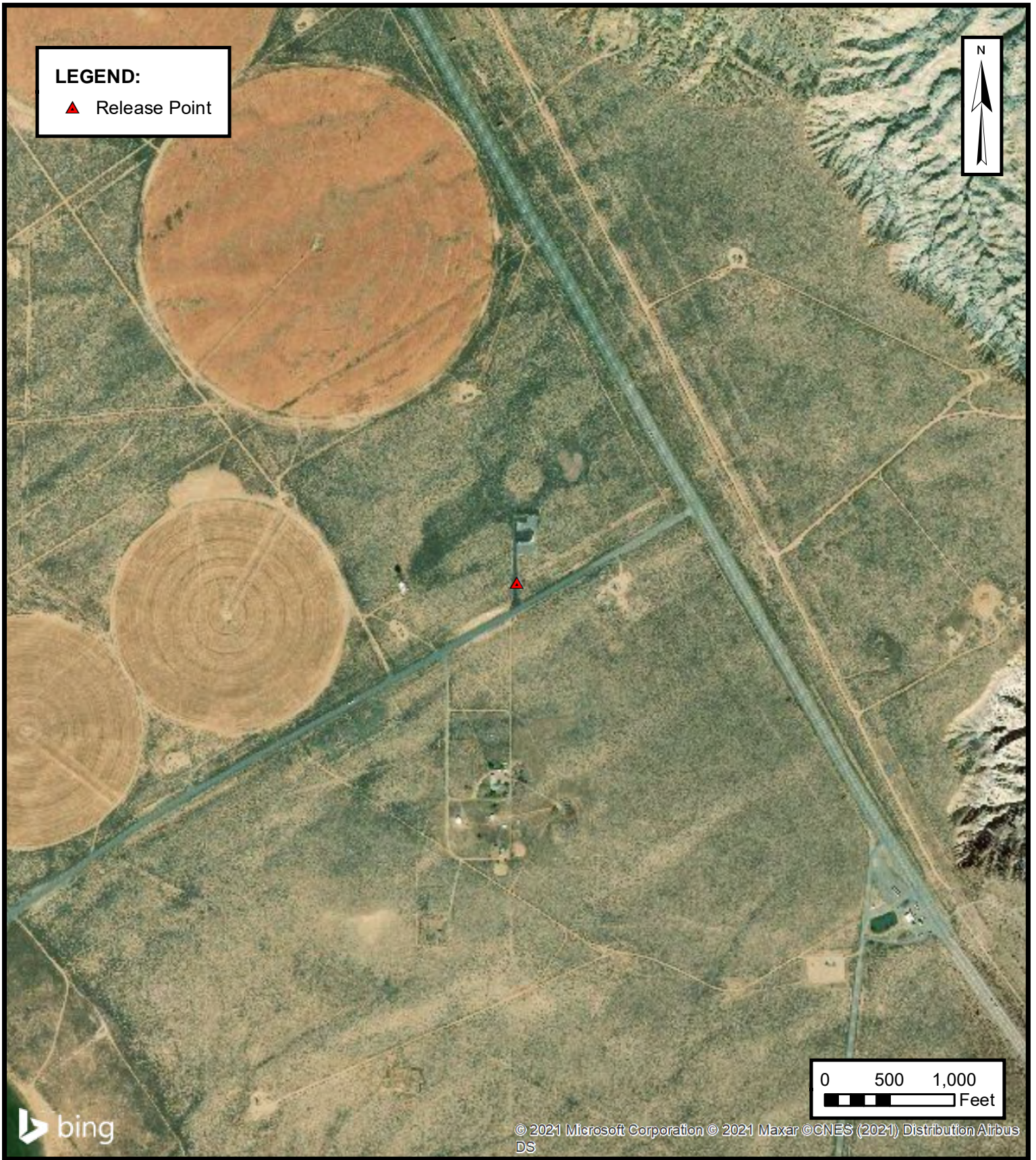
ENTERPRISE FIELD SERVICES, LLC  
DOUTHIT FEDERAL #6 PC (10/19/21)  
Unit Letter D, S26 T27N R11W, San Juan County, New Mexico  
36.551656° N, 107.982185° W

PROJECT NUMBER: 05A1226157

**FIGURE**

**1**





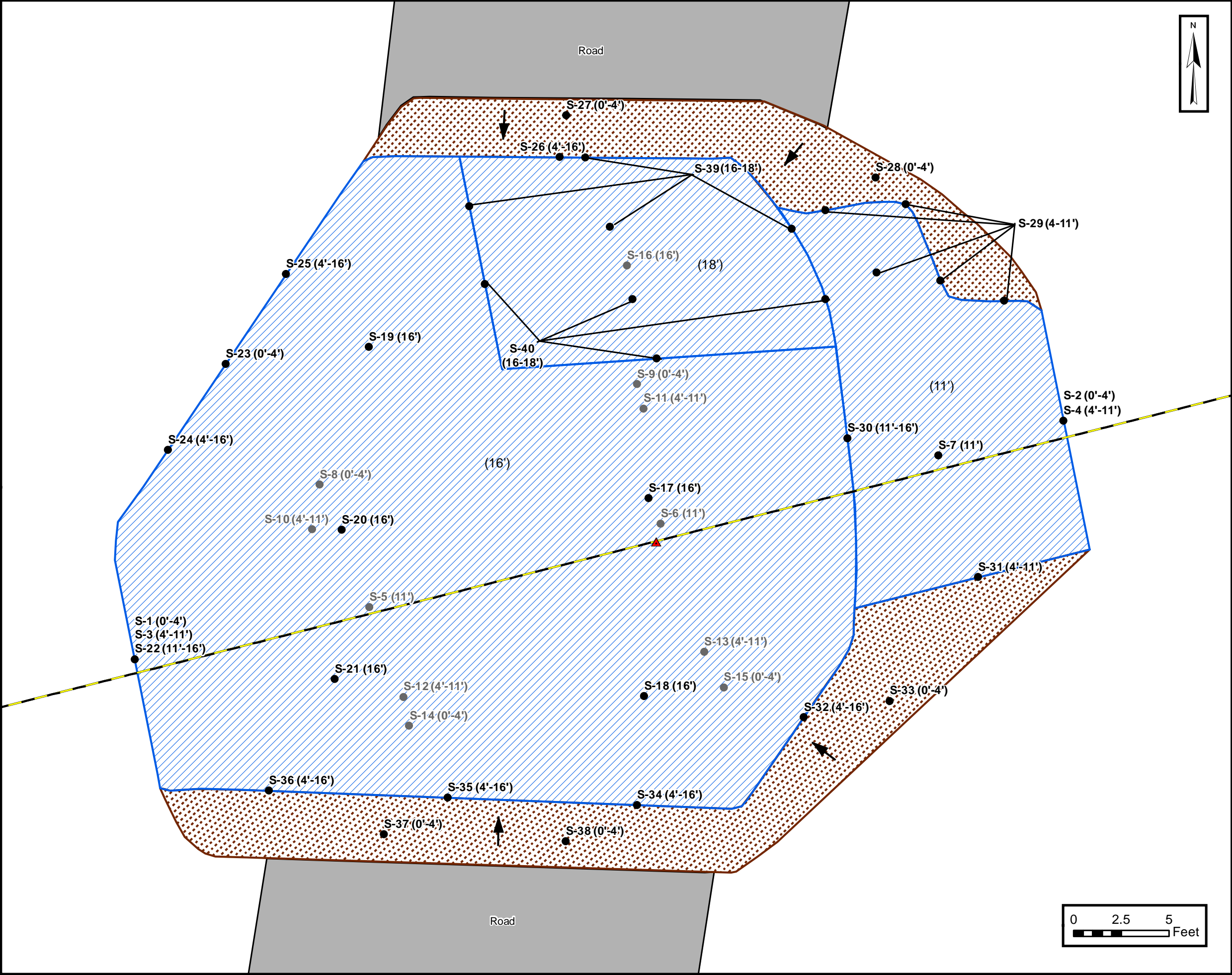
**SITE VICINITY MAP**

ENTERPRISE FIELD SERVICES, LLC  
DOUTHIT FEDERAL #6 PC (10/19/21)  
Unit Letter D, S26 T27N R11W, San Juan County, New Mexico  
36.551656° N, 107.982185° W

PROJECT NUMBER: 05A1226157

**FIGURE**  
**2**





SITE MAP WITH SOIL SAMPLE LOCATIONS

ENTERPRISE FIELD SERVICES, LLC  
DOUTHIT FEDERAL #6 PC (10/19/21)

Unit Letter D, S26 T27N R11W, San Juan County, New Mexico  
36.551656° N, 107.982185° W

FIGURE  
3

PROJECT NUMBER: 05A1226157

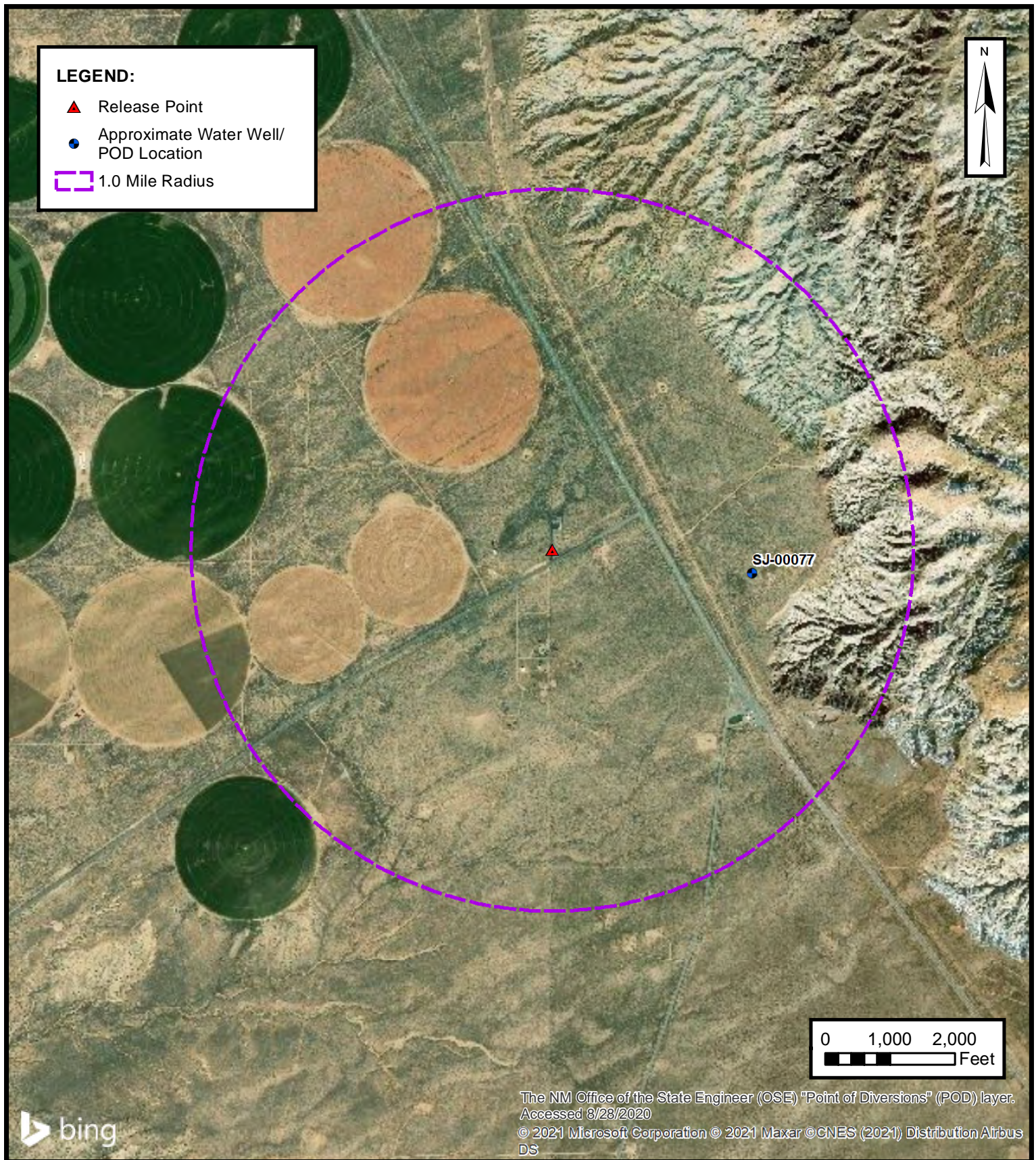


## APPENDIX B

### Siting Figures and Documentation

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### 1.0 MILE RADIUS WATER WELL/ POD LOCATION MAP

ENTERPRISE FIELD SERVICES, LLC  
 DOUTHIT FEDERAL #6 PC (10/19/21)  
 Unit Letter D, S26 T27N R11W, San Juan County, New Mexico  
 36.551656° N, 107.982185° W

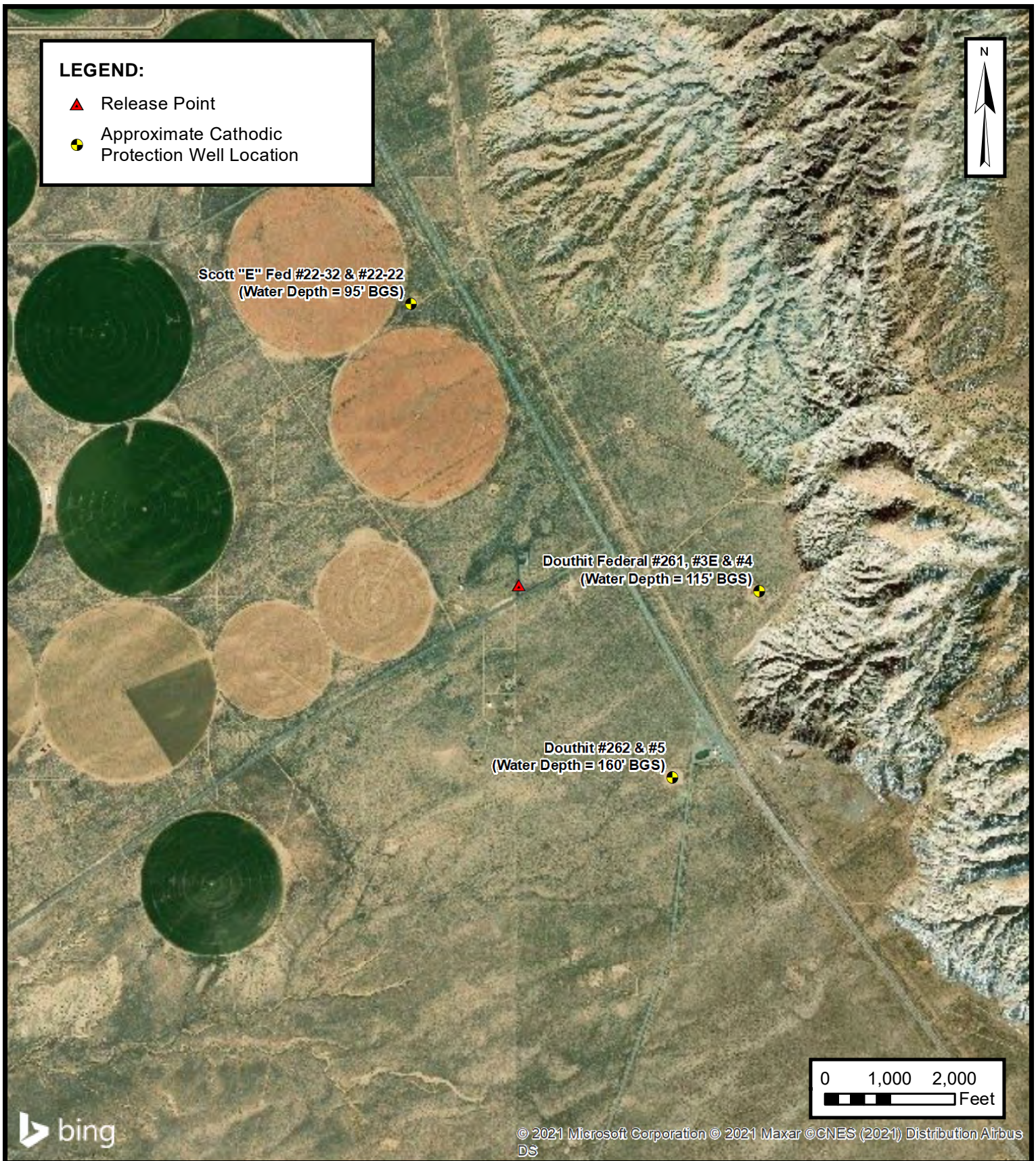
PROJECT NUMBER: 05A1226157

FIGURE

A

**ENSOLUM**  
 Environmental & Hydrogeologic Consultants





**CATHODIC PROTECTION WELL RECORDED  
DEPTH TO WATER**

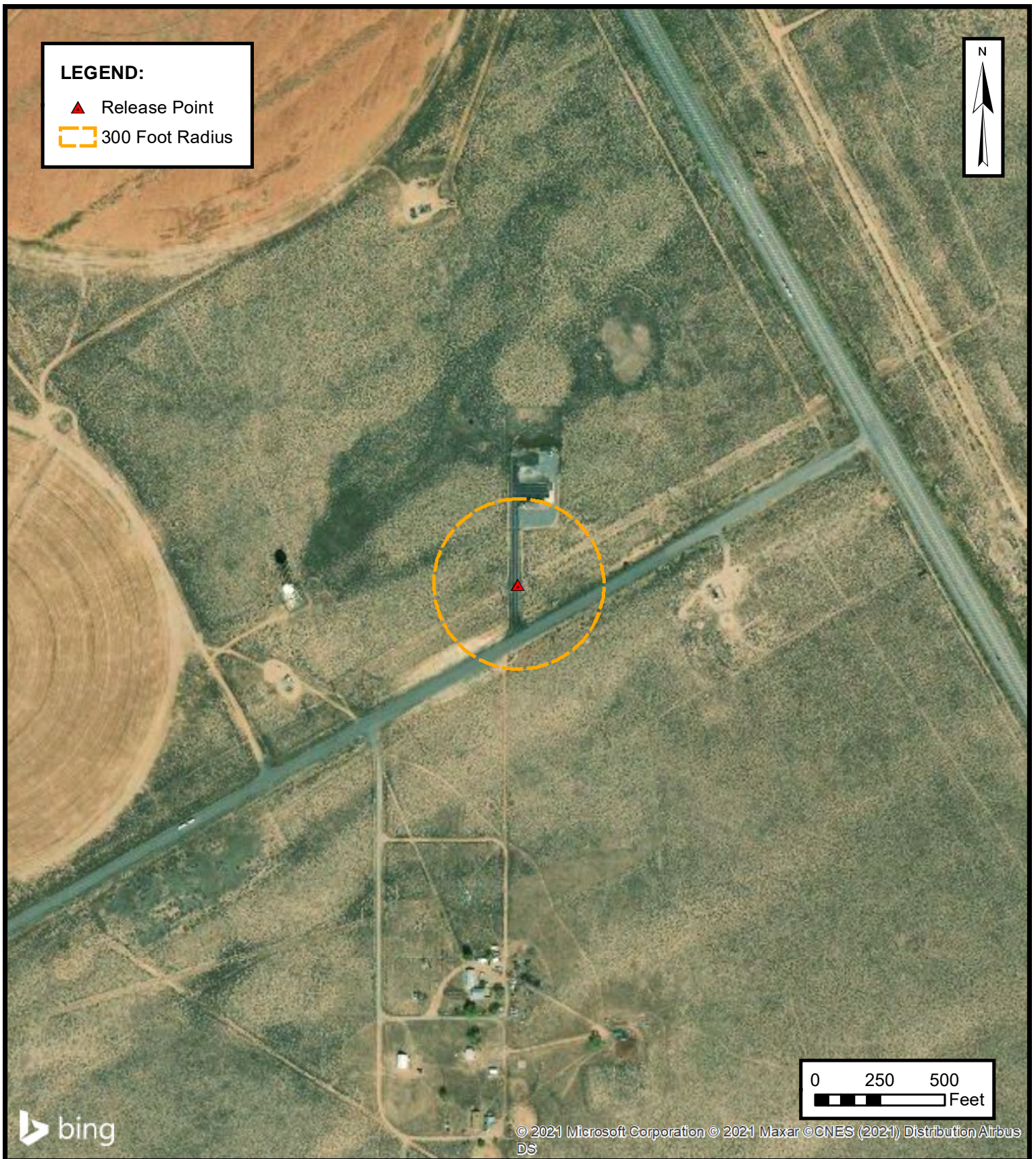
ENTERPRISE FIELD SERVICES, LLC  
DOUTHIT FEDERAL #6 PC (10/19/21)  
Unit Letter D, S26 T27N R11W, San Juan County, New Mexico  
36.551656° N, 107.982185° W

PROJECT NUMBER: 05A1226157

**FIGURE  
B**

**ENSOLUM**  
Environmental & Hydrogeologic Consultants





**ENSOLUM**  
Environmental & Hydrogeologic Consultants

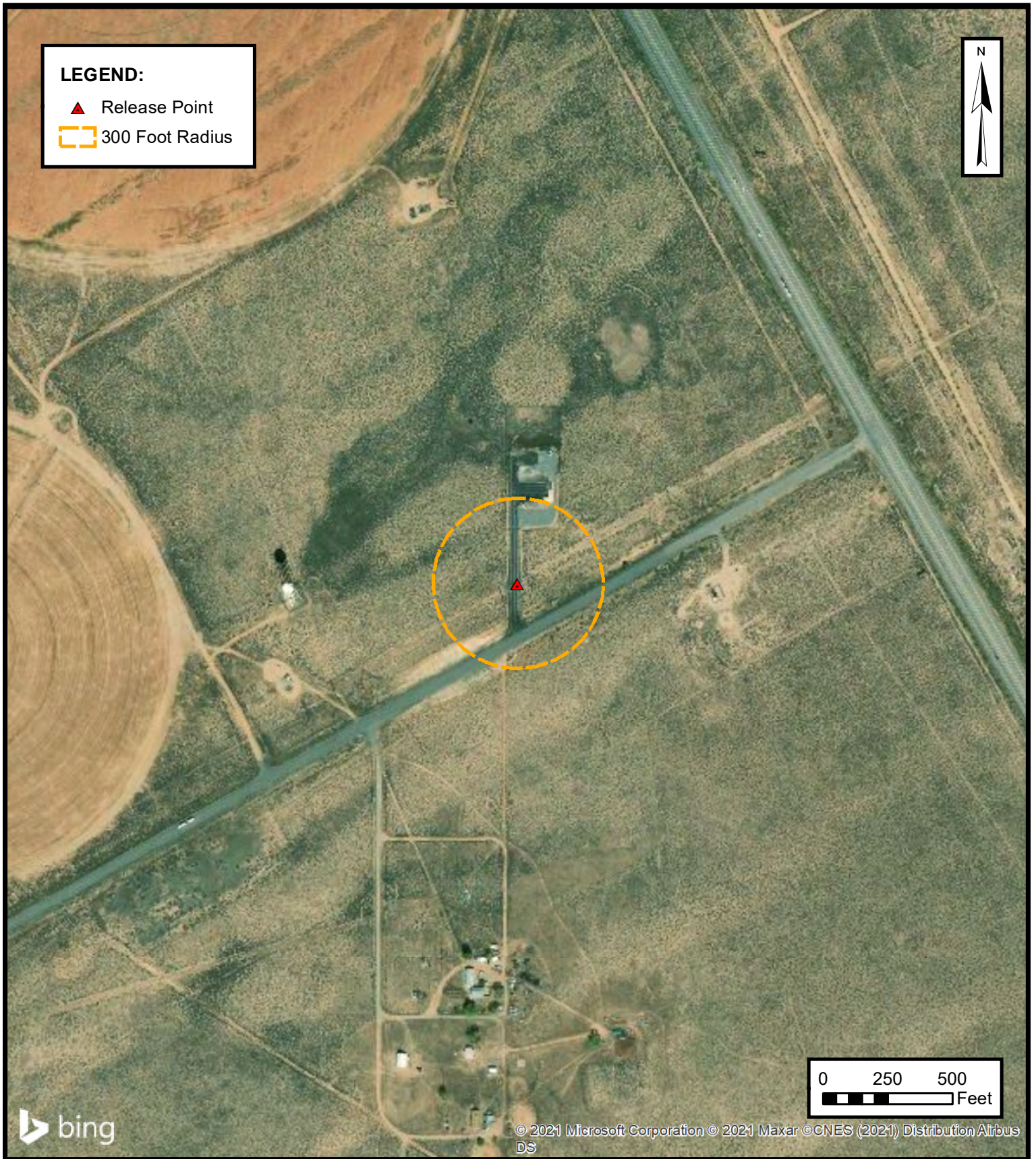
**300 FOOT RADIUS  
WATERCOURSE AND DRAINAGE IDENTIFICATION**

ENTERPRISE FIELD SERVICES, LLC  
DOUTHIT FEDERAL #6 PC (10/19/21)  
Unit Letter D, S26 T27N R11W, San Juan County, New Mexico  
36.551656° N, 107.982185° W

PROJECT NUMBER: 05A1226157

**FIGURE  
C**





**300 FOOT RADIUS  
OCCUPIED STRUCTURE IDENTIFICATION**

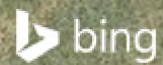
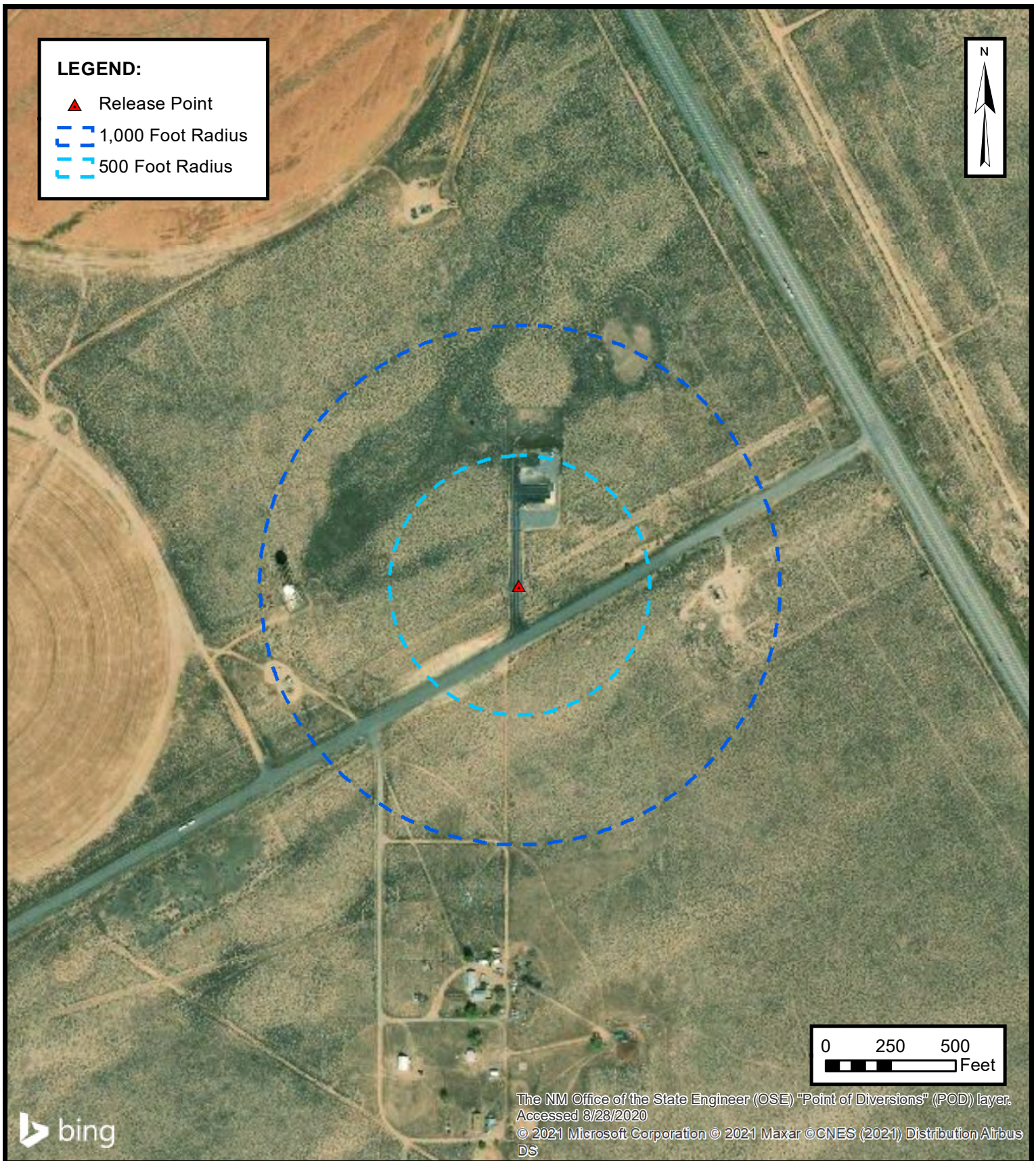
ENTERPRISE FIELD SERVICES, LLC  
DOUTHIT FEDERAL #6 PC (10/19/21)  
Unit Letter D, S26 T27N R11W, San Juan County, New Mexico  
36.551656° N, 107.982185° W

PROJECT NUMBER: 05A1226157

**FIGURE  
D**

**ENSOLUM**  
Environmental & Hydrogeologic Consultants



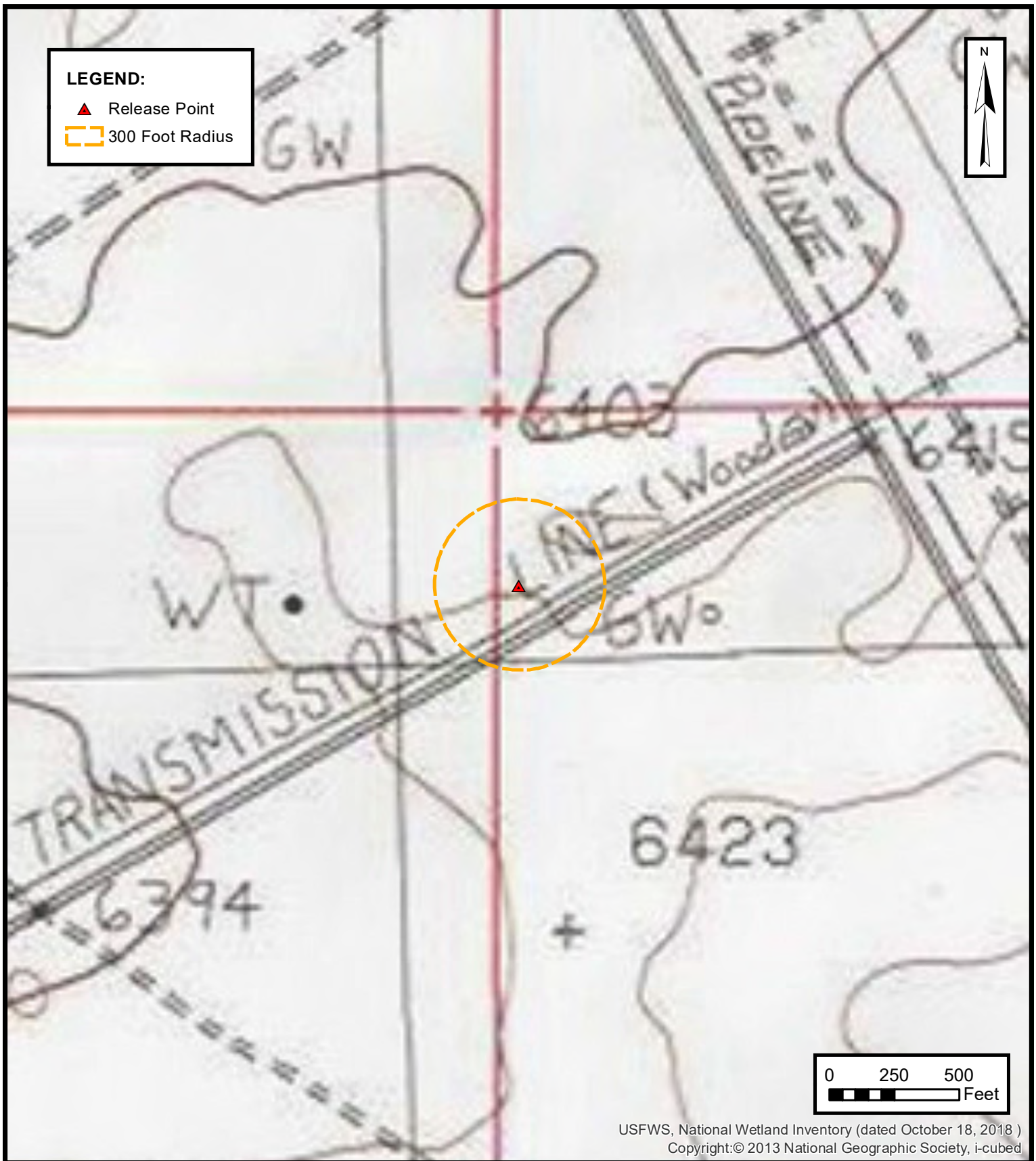
**WATER WELL AND NATURAL SPRING LOCATION**

ENTERPRISE FIELD SERVICES, LLC  
DOUTHIT FEDERAL #6 PC (10/19/21)  
Unit Letter D, S26 T27N R11W, San Juan County, New Mexico  
36.551656° N, 107.982185° W

PROJECT NUMBER: 05A1226157

**FIGURE**  
**E**





**ENSOLUM**  
Environmental & Hydrogeologic Consultants

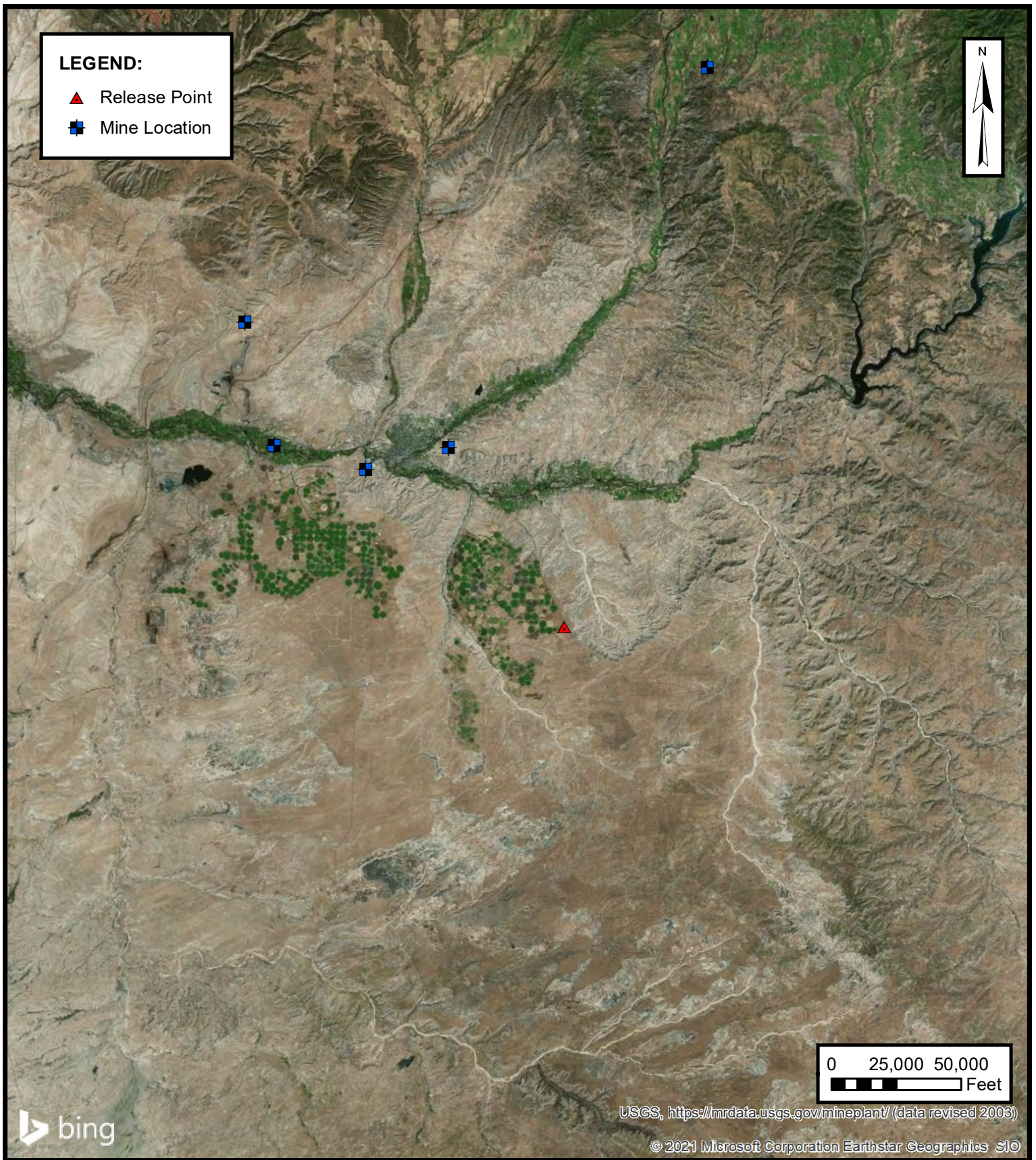
### WETLANDS

ENTERPRISE FIELD SERVICES, LLC  
DOUTHIT FEDERAL #6 PC (10/19/21)  
Unit Letter D, S26 T27N R11W, San Juan County, New Mexico  
36.551656° N, 107.982185° W

PROJECT NUMBER: 05A1226157

**FIGURE**  
**F**





**ENSOLUM**  
Environmental & Hydrogeologic Consultants

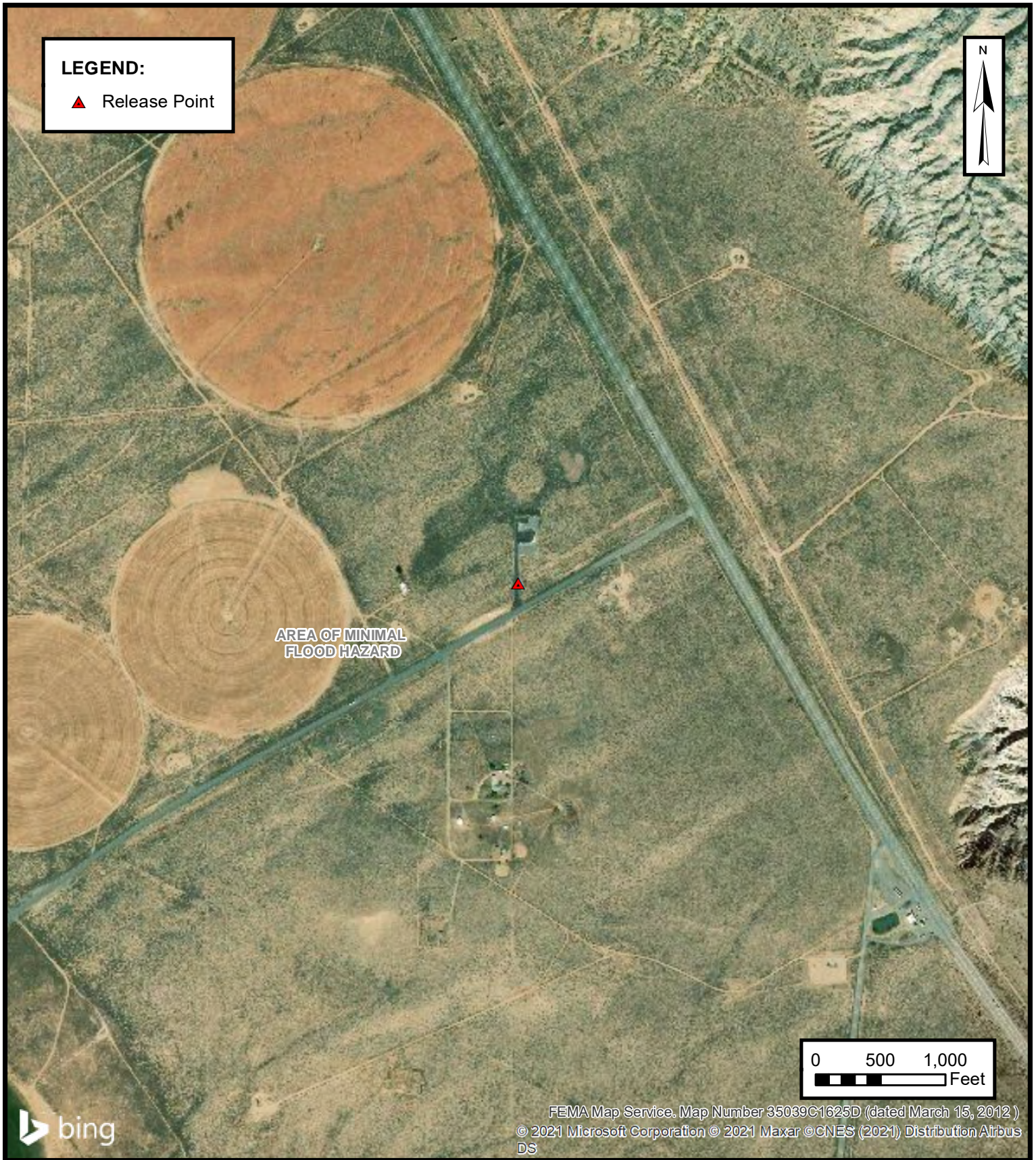
#### MINES, MILLS AND QUARRIES

ENTERPRISE FIELD SERVICES, LLC  
DOUTHIT FEDERAL #6 PC (10/19/21)  
Unit Letter D, S26 T27N R11W, San Juan County, New Mexico  
36.551656° N, 107.982185° W

PROJECT NUMBER: 05A1226157

**FIGURE**  
**G**





**100-YEAR FLOOD PLAIN MAP**

ENTERPRISE FIELD SERVICES, LLC  
DOUTHIT FEDERAL #6 PC (10/19/21)  
Unit Letter D, S26 T27N R11W, San Juan County, New Mexico  
36.551656° N, 107.982185° W

PROJECT NUMBER: 05A1226157

**FIGURE**

**H**





# New Mexico Office of the State Engineer

## Water Column/Average Depth to Water

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

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

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
<a href="#">SJ 00077</a>	SJ	SJ	SJ	3	1	2	26	27N	11W	233964	4049155*	1102	550	552

Average Depth to Water: **550 feet**

Minimum Depth: **550 feet**

Maximum Depth: **550 feet**

Record Count: 1

### PLSS Search:

**Section(s):** 26, 22, 23, 24, 25, 27, 34, 35, 36  
**Township:** 27N  
**Range:** 11W

\*UTM location was derived from PLSS - see Help

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

9/8/21 7:28 AM

Page 1 of 1

WATER COLUMN/ AVERAGE  
DEPTH TO WATER

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS  
NORTHWESTERN NEW MEXICOOperator Meridian Oil Co Location: Unit      Sec. 26 Twp 27 Rng 11Name of Well/Wells or Pipeline Serviced Douthitt #262 + #5Elevation      Completion Date 1-19-95 Total Depth      Land Type FCasing Strings, Sizes, Types & Depths 100' of 8" PVC casingIf Casing Strings are cemented, show amounts & types used yes21 sacks

If Cement or Bentonite Plugs have been placed, show depths &amp; amounts used

NoneDepths & thickness of water zones with description of water: Fresh, Clear,  
Salty, Sulphur, Etc. 160' - FreshDepths gas encountered: NoneGround bed depth with type & amount of coke breeze used: 447'6200 lbs of Loresco CokeDepths anodes placed: 11-430, 420, 370, 300, 290, 260, 270, 260, 250, 230, 220, 210, 200, 190, 180 (15)Depths vent pipes placed: Surface to 447'Vent pipe perforations: From 147' to 447'Remarks:     RECEIVED  
R JAN 11 1996 DOIL CON. DIV.  
DIST. 3

If any of the above data is unavailable, please indicate so. Copies of all logs, including Drillers Log, Water Analyses & Well Bore Schematics should be submitted when available. Unplugged abandoned wells are to be included.

Land Type may be shown: F-Federal; I-Indian; S-State; P-Fee.  
If Federal or Indian, add Lease Number.

DATA SHEET FOR DEEP GROUND-BED CATHODIC PROTECTION WELLS  
NORTHWESTERN NEW MEXICOOperator Meridian Location: Unit NE Sec. 26 Twp 27 Rng 11

Name of Well/Wells or Pipeline Served

DOUTHIT Federal #261, #3E, AND #4 1263WElevation \_\_\_\_\_ Completion Date 11/5/91 Total Depth 440 Land Type FCasing Strings, Sizes, Types & Depths 100' of 8" PVCIf Casing Strings are cemented, show amounts & types used Used 23SACK TO CEMENT.

If Cement or Bentonite Plugs have been placed, show depths &amp; amounts used

NONEDepths & thickness of water zones with description of water: Fresh, Clear,  
Salty, Sulphur, Etc. HIT FRESH WATER AT 115'Depths gas encountered: NONEGround bed depth with type & amount of coke breeze used: Drilled To 440'Used 128 SACKS OF ASBURY AND 1 SACK OF LORESCO (G500")Depths anodes placed: 425', 415', 405', 395', 385', 375', 365', 355', 270', 260', 220', + 210'Depths vent pipes placed: SURFACE TO 440'Vent pipe perforations: BOTTOM 320'

Remarks: \_\_\_\_\_

RECEIVED

FEB 24 1992

OIL CON. DIV.  
DIST. 3

If any of the above data is unavailable, please indicate so. Copies of all logs, including Drillers Log, Water Analyses & Well Bore Schematics should be submitted when available. Unplugged abandoned wells are to be included.

Land Type may be shown: F-Federal; I-Indian; S-State; P-Fee.  
If Federal or Indian, add Lease Number.

## CPS GROUND BED CONSTRUCTION WORKSHEET

CPS#	P/L NAME(s), NUMBER(s)					
2263W	DOUTHIT Federal #261, #3E, & #4					
ID #	TOTAL	VOLTS	AMPS	- OHMS	DATE	NAME
N 399		11.8	31.2	.38	11/5/91	JOHN L. MOSS

REMARKS (notes for construction log)

Drilled TO 440'. Installed 440' OF Vent Pipe, WITH THE Bottom  
 320' Perforated. Driller Reported WATER AT 115'. 100' OF 8" PVC  
 CASING WAS SET AND CEMENTED WITH 23 SACKS.

DEPTH	LOG	ANODE	DEPTH	LOG	ANODE	DEPTH	LOG	ANODE	DEPTH	LOG	ANODE	
	ANODE	*		ANODE	*		ANODE	*		ANODE	*	
100			295	1.3		490			685			
105			300	1.2		495			690			
110			305	1.3		500			695			
115	2.4		310	1.3		505			700			
120	2.6		315	1.6		510			ANODE	DEPTH	NO	FULLY
125	2.6		320	1.6		515			*		COKE	COKE D
130	2.5		325	1.6		520			1	425	2.4	6.6
135	1.8		330	1.0		525			2	415	2.5	7.5
140	1.2		335	1.0		530			3	405	2.7	7.7
145	1.1		340	2.0		535			4	395	2.8	8.4
150	1.1		345	2.3		540			5	385	2.7	8.0
155	2.2		350	2.4		545			6	375	2.5	8.1
160	1.8		355	2.6	8	550			7	365	2.4	8.4
165	1.4		360	2.4		555			8	355	2.6	7.8
170	1.0		365	2.4	7	560			9	345	2.3	7.0
175	.7		370	2.5		565			10	335	2.3	7.5
180	.8		375	2.4	6	570			11	325	2.5	7.9
185	.7		380	2.3		575			12	315	2.5	9.2
190	1.3		385	2.6	5	580			13			
195	2.3		390	2.4		585			14			
200	2.2		395	2.6	4	590			15			
205	2.3		400	2.5		595			16			
210	2.5	12	405	2.6	3	600			17			
215	2.6		410	2.7		605			18			
220	2.5	11	415	2.5	2	610			19			
225	2.1		420	2.2		615			20			
230	1.9		425	2.3	1	620			21			
235	1.3		430	2.4		625			22			
240	1.3		435	2.5		630			23			
245	2.2		440			635			24			
250	2.2		445			640			25			
255	2.2		450			645			26			
260	2.3	10	455			650			27			
265	2.4		460			655			28			
270	2.3	9	465			660			29			
275	2.0		470			665			30			
280	1.9		475			670						
285	1.8		480			675						
290	1.7		485			680						

DISTRIBUTION - original - permanent CPS FILE

copy - Division Corrosion Supervisor  
 copy - Region Corrosion Specialist



## API WATER ANALYSIS REPORT FORM

Laboratory No. 25-91108-1A

Company MERIDIAN		Sample No.		Date Sampled 11-4-91	
Field 2263W		Legal Description NE-26-27-11		County or Parish SAN JUAN	
Lease or Unit		Well DOUTMT FEO #261, 3E & 4		Depth	
				Formation	
Type of Water (Produced, Supply, etc.) PRODUCED		Sampling Point		Water, B/D	
				Sampled By J. L. MOSS	

## DISSOLVED SOLIDS

## CATIONS

mg/l

me/l

Sodium, Na (calc.)

Calcium, Ca

Magnesium, Mg

Barium, Ba

## OTHER PROPERTIES

pH

Specific Gravity, 60/60 F.

Resistivity (ohm-meters) 73 F.

8.61

7.9

Total Dissolved Solids (calc.)

## ANIONS

Chloride, Cl

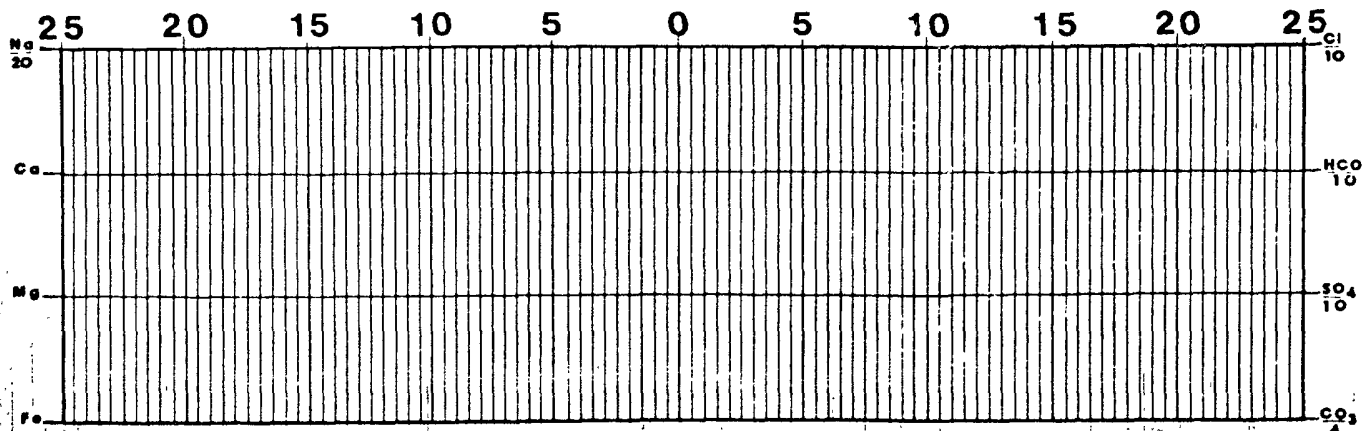
Sulfate,  $\text{SO}_4$ Carbonate,  $\text{CO}_3$ Bicarbonate,  $\text{HCO}_3$ 

Iron, Fe (total)

Sulfide, as  $\text{H}_2\text{S}$ 

## REMARKS &amp; RECOMMENDATIONS:

TOO MUCH  
SUSPENDED SOLID TO ANALYZE  
ATTN: C.W. DONOHUE



Date Received 11-8-91	Preserved	Date Analyzed	Analyzed By L.H.
--------------------------	-----------	---------------	---------------------



TECH, Inc.  
333 East Main  
Farmington  
New Mexico  
87401  
505/327-3311

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS  
NORTHWESTERN NEW MEXICOOperator Meridian Location: Unit NE Sec. 26 Twp 27 Rng 11

Name of Well/Wells or Pipeline Serviced \_\_\_\_\_

DOUTHIT Federal #261, #3E, AND #41263WElevation \_\_\_\_\_ Completion Date 11/5/91 Total Depth 440 Land Type FCasing Strings, Sizes, Types & Depths 100' of 8" PVCIf Casing Strings are cemented, show amounts & types used Used 23SACK TO CEMENT.

If Cement or Bentonite Plugs have been placed, show depths &amp; amounts used

NONEDepths & thickness of water zones with description of water: Fresh, Clear,  
Salty, Sulphur, Etc. HIT FRESH WATER AT 115'Depths gas encountered: NONEGround bed depth with type & amount of coke breeze used: Drilled To 440'Used 128 SACKS OF Asbury And 1 SACK OF LORESCO (G500")Depths anodes placed: 425', 415', 405', 395', 385', 375', 365', 355', 270', 260', 220', + 210'Depths vent pipes placed: SURFACE TO 440'Vent pipe perforations: BOTTOM 320'

RECEIVED

FEB 24 1992

Remarks: \_\_\_\_\_

OIL CON. DIV.  
DIST. 2

If any of the above data is unavailable, please indicate so. Copies of all logs, including Drillers Log, Water Analyses & Well Bore Schematics should be submitted when available. Unplugged abandoned wells are to be included.

Land Type may be shown: F-Federal; I-Indian; S-State; P-Fee.  
If Federal or Indian, add Lease Number.

## CPS GROUND BED CONSTRUCTION WORKSHEET

CPS#	P/L NAME(s), NUMBER(s)											
2263W	DOUTHIT Federal #261, #3E, & #4											
NO * N 399	TOTAL	VOLTS	AMPS	- OHMS	DATE	NAME						
		11.8	31.2	.38	11/5/91	JOHN L. MOSS						
REMARKS (notes for construction log)												
Drilled TO 440'. Installed 440' OF Vent Pipe, WITH THE BOTTOM 320' Perforated. Driller Reported WATER AT 115'. 100' OF 8" PVC CASING WAS SET, AND CEMENTED WITH 23 SACKS.												
DEPTH	LOG	ANODE	DEPTH	LOG	ANODE	DEPTH	LOG	ANODE	DEPTH	LOG	ANODE	
100		*	295	1.3	*	490		*	685		*	
105			300	1.2		495			690			
110			305	1.3		500			695			
115	2.4		310	1.8		505			700			
120	2.6		315	1.6		510			ANODE	DEPTH	NO	FULLY
125	2.6		320	1.6		515			*		COKE	COKE D
130	2.5		325	1.6		520			1	425	2.4	6.6
135	1.8		330	1.0		525			2	415	2.5	7.5
140	1.2		335	1.0		530			3	405	2.7	7.7
145	1.1		340	2.0		535			4	395	2.8	8.4
150	1.1		345	2.3		540			5	385	2.7	8.0
155	2.2		350	2.4		545			6	375	2.5	8.1
160	1.8		355	2.6	8	550			7	365	2.4	8.4
165	1.4		360	2.4		555			8	355	2.6	7.8
170	1.0		365	2.4	7	560			9	370	2.3	7.0
175	.7		370	2.5		565			10	360	2.3	7.5
180	.8		375	2.4	6	570			11	320	2.5	7.9
185	.7		380	2.3		575			12	210	2.5	8.2
190	1.3		385	2.6	5	580			13			
195	2.3		390	2.4		585			14			
200	2.2		395	2.6	4	590			15			
205	2.3		400	2.5		595			16			
210	2.5	12	405	2.6	3	600			17			
215	2.6		410	2.7		605			18			
220	2.5	11	415	2.5	2	610			19			
225	2.1		420	2.2		615			20			
230	1.9		425	2.3	1	620			21			
235	1.3		430	2.4		625			22			
240	1.3		435	2.5		630			23			
245	2.2		440			635			24			
250	2.2		445			640			25			
255	2.2		450			645			26			
260	2.3	10	455			650			27			
265	2.4		460			655			28			
270	2.3	9	465			660			29			
275	2.0		470			665			30			
280	1.9		475			670						
285	1.8		480			675						
290	1.7		485			680						

DISTRIBUTION - original - permanent CPS FILE

copy - Division Corrosion Supervisor

copy - Region Corrosion Specialist

## API WATER ANALYSIS REPORT FORM

Laboratory No. 25-911108-1A

Company MERIDIAN		Sample No.		Date Sampled 11-4-91	
Field 2263W		Legal Description NE-26-27-11		County or Parish SAN JUAN	
Lease or Unit		Well DOUTT FEO #261, #3E & #4		State NM	
Type of Water (Produced, Supply, etc.) PRODUCED		Depth		Formation	
Sampling Point		Water, B/D		Sampled By J. L. MOSS	

## DISSOLVED SOLIDS

## CATIONS

mg/l

me/l

Sodium, Na (calc.)

Calcium, Ca

Magnesium, Mg

Barium, Ba

## OTHER PROPERTIES

pH

Specific Gravity, 60/60 F.

Resistivity (ohm-meters) 73 F.

8.61

7.9

Total Dissolved Solids (calc.)

## ANIONS

Chloride, Cl

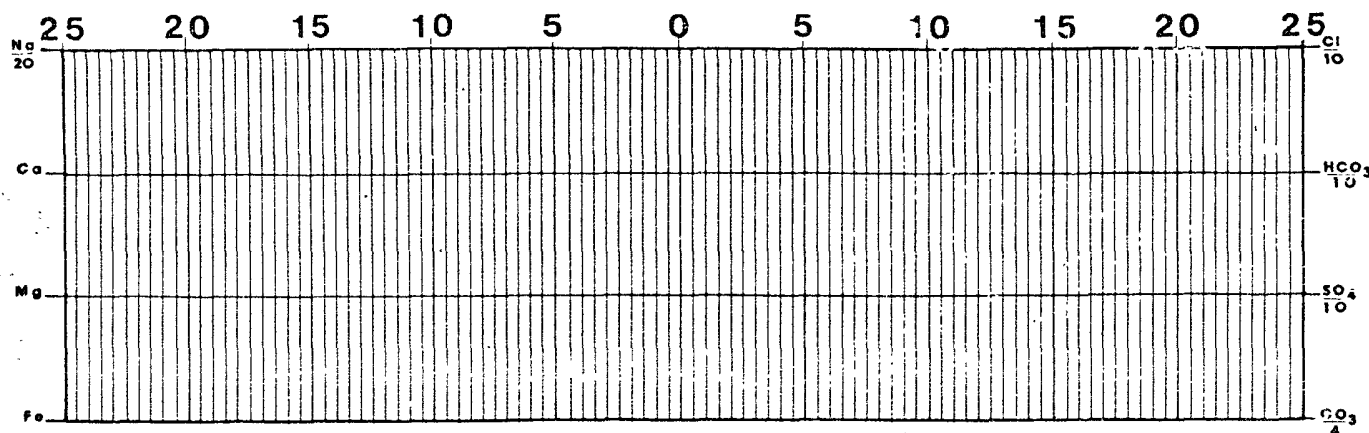
Sulfate,  $SO_4$ Carbonate,  $CO_3$ Bicarbonate,  $HCO_3$ 

Iron, Fe (total)

Sulfide, as  $H_2S$ 

REMARKS &amp; RECOMMENDATIONS:

TOO MUCH  
SUSPENDED SOLID TO ANALYZE  
ATTN: C.W. DOUTT



Date Received 11-8-91	Preserved	Date Analyzed	Analyzed By F. H.
--------------------------	-----------	---------------	----------------------



TECH, Inc.

333 East Main

Farmington

New Mexico

87401

505/327-3311

32- 30-045-28257

22- 30-045-30898

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS  
NORTHWESTERN NEW MEXICO

(Submit 3 copies to OCD Aztec Office)

Operator Bonneville Fuels Corp. Location: Unit        Sec. 22 Twp 27 Rng 11Name of Well/Wells and Pipeline Serviced Scott "E" Fed. #22-32 + #22-22Elevation ? Completion Date 5-14-91 Total Depth 300' Land Type\* FCasing, Sizes, Types & Depths PVC Casing 8" I.D., 8 5/8" O.D.,  
Schedule 40, B.E. to 25' Deep.If Casing is cemented, show amounts & types used NA-None**RECEIVED**  
JUN 7 1991

If Cement or Bentonite Plugs have been placed, show depths &amp; amounts used

NA-None**OIL CON. DIV**Depths & thickness of water zones with description of water Dist. 3 possible:Fresh, Clear, Salty, Sulphur, Etc. First + only Water (Clear) Streak  
at 95 Foot Depth.Depths gas encountered: NA-NoneType & amount of coke breeze used: CARBO 40, 99.9% Carbon, 1,500 LBS,Depths anodes placed: 200', 210', 220', 230', 240' and 250' Deep.Depths vent pipes placed: 0' to 300' Deep.Vent pipe perforations: Laser Cut Slots from 100' to 300' Deep.Remarks: Solid 1" diameter PVC (vent) pipe from 0' to 100'  
Deep.

If any of the above data is unavailable, please indicate so. Copies of all logs, including Drillers Log, Water Analyses &amp; Well Bore Schematics should be submitted when available. Unplugged abandoned wells are to be included.

\*Land Type may be shown: F-Federal; I-Indian; S-State; P-Fee.  
If Federal or Indian, add Lease Number.



DATA SHEET NO. One(1)

COMPANY BONNEVILLE FUELS CORP JOB No. 751-00118 DATE: 5-14-91  
 WELL: SCOTT "E" FED. #22-32 PIPELINE: \_\_\_\_\_  
 LOCATION: SEC. 22 TWP. 27 RGE. 11 CO. SAN JUAN STATE NM  
 ELEV. \_\_\_\_\_ FT: ROTARY ✓ FT: CABLE TOOL — FT: CASING 25' FT.  
 GROUNDBED: DEPTH 300 FT. DIA. 6" IN. GAS CARBON LBS. ANODES ANODE STRING

DEPTH, FT.	DRILLER'S LOG	EXPLORING ANODE TO STRUCTURE			NO COKE	WITH COKE	ANODE NO.	DEPTH, TOP OF ANODES
		E	I	R				
150	FIRST WATER 95'							
155	SANDY SHALE		4.1					
160			4.4					
165	SHALE		4.7					
170			4.8					
175			4.9					
180			5.3					
185			4.9					
190			5.0					
195			4.5					
200			4.6					200
205			4.5					
210			4.3					
215			4.0					
220			3.8					
225			3.8					
230			3.5					
235			3.7					
240	SANDY SHALE		3.5					
245			4.0					
250			3.9					250
255			4.3					
260			4.1					
265	SHALE		4.4					
270			3.9					
275			4.4					
280	SAND		4.2					
285			4.2					
290			4.1					
295			3.8					
300	T-D. 300'							

**RECEIVED**  
 JUN 7 1991  
 OIL CON. DIV.,  
 DIST. 3

GROUNDBED RESISTANCE: (1) VOLTS 12.43 - AMPS 16.28 - OHMS 0.76(2) VIBROGROUND 76 OHMS

GENERAL CATHODIC PROTECTION SERVICES CO.

30-045-28516

**DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS  
NORTHWESTERN NEW MEXICO**

(Submit 3 copies to OCD Aztec Office)

Operator Bonnerville Fuels Corp. Location: Unit NE Sec. 23 Twp 27 Rng 11  
Name of Well/Wells or Pipeline Serviced Scott "E" Federal #23-42

Elevation 6084 Completion Date 5/21/91 Total Depth 300' Land Type\* F  
Casing, Sizes, Types & Depths NA-None

If Casing is cemented, show amounts & types used NA-None

If Cement or Bentonite Plugs have been placed, show depths & amounts used  
NA-None

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Depths & thickness of water zones with description of water then possible:  
Fresh, Clear, Salty, Sulphur, Etc. First & only water (clear) streak  
at 90' Depth

Depths gas encountered: NA-None

Type & amount of coke breeze used: Coreco SW-99.9% Carbon = 1800 LBS

Depths anodes placed: 185', 195', 205', 215', 225' & 235'

Depths vent pipes placed: 0-300' Deep, 0-100' Deep = Solid 1" dia PVC

Vent pipe perforations: Laser Cut Slots from 100' to 300' Deep

Remarks: \_\_\_\_\_

If any of the above data is unavailable, please indicate so. Copies of all logs, including Drillers Log, Water Analyses & Well Bore Schematics should be submitted when available. Unplugged abandoned wells are to be included.

\*Land Type may be shown: F-Federal; I-Indian; S-State; P-Fee.  
If Federal or Indian, add Lease Number.

DATA SHEET NO. One (1)

COMPANY DONNEVILLE FUELS CORP. JOB No 751-0018 DATE: 5/21/91

WELL: SCOTT "E" FEDERAL #23-42 PIPELINE: \_\_\_\_\_

LOCATION: SEC. 23 TWP. 27N RGE. 11W CO. SAN JUAN STATE NM

ELEV. 16084 FT: ROTARY 300 FT: CABLE TOOL \_\_\_\_\_ FT: CASING \_\_\_\_\_ FT

GROUND BED: DEPTH 300 FT. DIA. 6" IN. GAS 1800 LBS. ANCHORS LOA STRING

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DIST. 3

# ANDRES

* LAZER CUT VENT	100' + 300'
SOLD 1" VENT	0 - 100'

GROUNDING RESISTANCE: (1) VOLTS 12.46 - AMPS 23.3 - .53 OHMS

(2) VEROGROUND \_\_\_\_\_ OHMS



30-045-28231

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS  
NORTHWESTERN NEW MEXICO  
(Submit 3 copies to OCD Aztec Office)

Operator Bonneville Fuels Corp. Location: Unit      Sec. 24 Twp 27 Rng 11

Name of Well/Wells or Pipeline Serviced Fullerton Fed. 24-32

Elevation      Completion Date 5-20-91 Total Depth 300' Land Type\* F

Casing, Sizes, Types & Depths NA-None

If Casing is cemented, show amounts & types used NA-None

If Cement or Bentonite Plugs have been placed, show depths & amounts used  
NA-None

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Depths & thickness of water zones with description of water DIST. 2 and possible:

Fresh, Clear, Salty, Sulphur, Etc. First & only clear water streak at 180' depth.

Depths gas encountered: NA-None

Type & amount of coke breeze used: Loresco SW 99.9% Carbon = 1,100 LBS.

Depths anodes placed: 235', 245', 255', 265', 275' + 285' Deep.

Depths vent pipes placed: 0 to 300' Deep.

Vent pipe perforations: Laser Cut Slots from 200' to 300' Deep.

Remarks: Solid 1" dia. PVC vent pipe from 0' to 200' Deep.

If any of the above data is unavailable, please indicate so. Copies of all logs, including Drillers Log, Water Analyses & Well Bore Schematics should be submitted when available. Unplugged abandoned wells are to be included.

\*Land Type may be shown: F-Federal; I-Indian; S-State; P-Fee.  
If Federal or Indian, add Lease Number.

DATA SHEET NO. One(1)COMPANY BONNEVILLE FURZES CORP. JOB NO. 75100118 DATE: 5-20-91WELL: FULLERTON MCD. 24-32 PIPELINE:LOCATION: SEC. 24 TWP. 27 RGE. 11 CO. SAN JUAN STATE NMELEV.        FT: ROTARY 300 FT: CABLE TOOL -0- FT: CASING -0- FTGROUNDBED: DEPTH 300' FT. DIA. 6" IN. GAS 1100 LBS. ANODES LIDA STRING

DEPTH. FT.	DRILLER'S LOG	EXPLORING ANODE TO STRUCTURE			NO COKE	WITH COKE	ANODE NO.	DEPTH, TOP OF ANODES
		E	I	R				
	<u>FIRST WATER 180'</u>							
<u>150'</u>	<u>0-20 SAND</u>			<u>4.0</u>				
<u>155</u>	<u>20-50 SHALE</u>			<u>4.0</u>				
<u>160</u>	<u>50-150 SHALE</u>			<u>3.9</u>				
<u>165</u>	<u>150-190 SANDY SHALE</u>			<u>5.6</u>				
<u>170</u>	<u>190-280 SHALE</u>			<u>5.3</u>				
<u>175</u>	<u>280-300 SANDY SHALE</u>			<u>5.0</u>				
<u>180</u>				<u>4.9</u>				
<u>185</u>				<u>4.4</u>				
<u>190</u>				<u>4.1</u>				
<u>195</u>				<u>3.7</u>				
<u>200</u>				<u>3.7</u>				
<u>205</u>				<u>3.2</u>				
<u>210</u>				<u>3.0</u>				
<u>215</u>				<u>2.9</u>				
<u>220</u>				<u>3.1</u>				
<u>225</u>				<u>2.9</u>				
<u>230</u>				<u>3.5</u>				
<u>235</u>				<u>3.4</u>				<u>235</u>
<u>240</u>				<u>4.2</u>				
<u>245</u>				<u>4.0</u>				
<u>250</u>				<u>4.8</u>				
<u>255</u>				<u>4.5</u>				
<u>260</u>				<u>5.1</u>				
<u>265</u>				<u>5.1</u>				
<u>270</u>				<u>5.5</u>				
<u>275</u>				<u>5.2</u>				
<u>280</u>				<u>5.3</u>				
<u>285</u>				<u>5.5</u>				<u>285</u>
<u>290</u>				<u>5.5</u>				
<u>295</u>				<u>5.4</u>				
<u>300</u>								

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OIL CON. DIV.  
DIST. 3

ANODES

5.5 19.9

GROUNDBED RESISTANCE: (1) VOLTS 12.39 - AMPS 19.9 - .62 OHMS

(2) VIBROGROUND \_\_\_\_\_ OHMS

GENERAL CATHODIC PROTECTION SERVICES CO.

30-045-28301

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS  
NORTHWESTERN NEW MEXICO

(Submit 3 copies to OCD Aztec Office)

Operator Bonneville Fuels Corp. Location: Unit NW Sec. 25 Twp 22 Rng 11Name of Well/Wells or Pipeline Serviced Scott "E" Federal #25-22Elevation 6249' Completion Date 5/22/91 Total Depth 300' Land Type\* FCasing, Sizes, Types & Depths 8" ID - 8 7/8" dia. O.P. PVC Casing  
From 0 to 60 Ft. Deep.If Casing is cemented, show amounts & types used NA - NoneRECEIVED  
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If Cement or Bentonite Plugs have been placed, show depths &amp; amounts used

NA - None

OIL CON. DIV.

DIST. 3

Depths &amp; thickness of water zones with description of water when possible:

Fresh, Clear, Salty, Sulphur, Etc. First & Only water (clear)  
streak at 110' Deep.Depths gas encountered: NA - NoneType & amount of coke breeze used: Loresco SW - 99.9% Carbon = 1500 LBS.Depths anodes placed: 205', 215', 225', 235', 245' & 255' Deep.Depths vent pipes placed: 0' to 300' Deep, 0' to 100' Deep = Solid 1" dia. PVC.Vent pipe perforations: Laser Cut Slots From 100' to 300' Deep

Remarks: \_\_\_\_\_

If any of the above data is unavailable, please indicate so. Copies of all logs, including Drillers Log, Water Analyses &amp; Well Bore Schematics should be submitted when available. Unplugged abandoned wells are to be included.

\*Land Type may be shown: F-Federal; I-Indian; S-State; P-Fee.  
If Federal or Indian, add Lease Number.



(1050 FNL & 1695 FWL) DATA SHEET NO. One (1)

COMPANY Bonneville Fuels Corp. JOB NO 751-20118 DATE: 5/22/91  
 WELL: SCOTT "E" FEDERAL #25-22 PIPELINE: \_\_\_\_\_  
 LOCATION: SEC. 25 TWP. 27N RGE. 11W CO. SAN JUAN STATE NM  
 ELEV. 6249 FT: ROTARY 300 FT: CABLE TOOL \_\_\_\_\_ FT: CASING 60 FT.  
 GROUND BED: DEPTH 300 FT. DIA. 6 IN. GAS 1500 LBS. ANODES LDA STRING

DEPTH. FT.	DRILLER'S LOG	EXPLORING ANODE TO STRUCTURE			NO COKE	WITH COKE	ANODE NO.	DEPTH, TOP OF ANODES
		E	I	R				
	<u>FIRST WATER 110'</u>							
150	0-60 SAND		5.4					
155	60-140 SAND & SHALE		5.8					
160	140-270 SHALE		5.8					
165	270-300 SAND & SHALE		6.0					
170			5.8					
175			5.7					
180			5.6					
185			5.4					
190			5.5					
195			5.6					
200			5.7					
205			5.8					205
210			5.7					
215			5.8					
220			5.7					
225			5.7					
230			5.7					
235			5.7					
240			5.8					
245			5.7					
250			5.8					
255			5.8		5.8			255
260			5.5					
265			5.1					
270			4.7					
275			3.9					
280			3.8					
285			4.0					
290			4.1					
295			4.5					
300			4.4					
ANODES								
* LAZER CUT VENT 100'-300'								
SOLID 1" VENT 0'-100'								

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 DIST. 3

GROUND BED RESISTANCE: (1) VOLTS 12.25 - AMPS 23.5 - .52 OHMS

(2) VIBROGROUND \_\_\_\_\_ OHMS

30-045-28396

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS  
NORTHWESTERN NEW MEXICO

(Submit 3 copies to OCD Aztec Office)

Operator Bonnerille Fuels Corp. Location: Unit      Sec. 25 Twp 27 Rng 11Name of Well/Wells or Pipeline Serviced Scott E Fed, #25-14Elevation      Completion Date 5-15-91 Total Depth 300' Land Type\* FCasing, Sizes, Types & Depths 80' + 8" o.d. 8" I.D., 8 5/8" O.D.,  
Schedule 40, B.E., PVC Casing.If Casing is cemented, show amounts & types used NA-None

If Cement or Bentonite Plugs have been placed, show depths &amp; amounts used

NA-NoneRECEIVED  
JUN 7 1991OIL CON. DIV.  
DIST. 3

Depths &amp; thickness of water zones with description of water when possible:

Fresh, Clear, Salty, Sulphur, Etc. First + Only Water (Clear) Streak  
at 95 Foot Depth.Depths gas encountered: NA-NoneType & amount of coke breeze used: CARBO 40, 99.9% Carbon, 1,250 LBS.Depths anodes placed: 225', 235', 245', 255', 265' + 275' DeepDepths vent pipes placed: 0' to 300' DeepVent pipe perforations: Laser Cut Slots from 120' to 300' DeepRemarks: Solid 1" dia. PVC (vent) pipe from 0' to 120' Deep

If any of the above data is unavailable, please indicate so. Copies of all logs, including Drillers Log, Water Analyses &amp; Well Bore Schematics should be submitted when available. Unplugged abandoned wells are to be included.

\*Land Type may be shown: F-Federal; I-Indian; S-State; P-Fee.  
If Federal or Indian, add Lease Number.



DATA SHEET NO. One(1)

COMPANY BONNEVILLE FUELS CORP JOB NO. 751-00118 DATE: 5-15-91  
 WELL: SCOTT "E" FBO #25-14 PIPELINE: \_\_\_\_\_  
 LOCATION: SEC 25 TWP. 27 RGE. 11 CO. SAN JUAN STATE NM  
 ELEV. \_\_\_\_\_ FT: ROTARY 300' FT: CABLE TOOL -0- FT: CASING 80x8"  
 GROUNDBED: DEPTH 300' FT. DIA. 6" IN. GAS 1250 LBS. ANODES LIDA STRING

DEPTH, FT.	DRILLER'S LOG	EXPLORING ANODE TO STRUCTURE			NO COKE	WITH COKE	ANODE NO.	DEPTH, TOP OF ANODES
		E	I	R				
	<u>FIRST WATER 80'-110'</u>							
150	<u>0-40 SAND</u>		3.7					
155	<u>40-100 SANDY SHALE</u>		4.1					
160	<u>100-140 SANDY</u>		3.9					
165	<u>140-215 SANDY SHALE</u>		4.1					
170	<u>215-300 SHALE</u>		3.9					
175			3.9					
180			3.7					
185			3.7					
190			3.6					
195			3.7					
200			3.8					
205			3.5					
210			3.6					
215			3.5					
220			3.9					
225			4.3					225
230			4.0					
235			4.3					
240			4.1					
245			4.7					
250			4.5		5.0	21.0		
255			5.0					
260			4.8					
265			5.0					
270			4.8					275
275			4.8					
280			4.8					
285			4.8					
290			4.7					
295								
300								

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 OIL CON. DIV.  
 DIST. 3

ANODES

GROUNDED RESISTANCE: (1) VOLTS 12.31 - AMPS 21.0 - .59 OHMS

(2) VIBROGROUND .59 OHMS

GENERAL CATHODIC PROTECTION SERVICES CO.

A LUKENS COMPANY

S- 30-045-24568  
351-30-045-28404

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DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS  
NORTHWESTERN NEW MEXICO

Operator Meridian Oil Location: Unit C Sec. 35 Twp 27 Rng 11

Name of Well/Wells or Pipeline Serviced DOUTHIT FEDERAL #351  
#5 2261W

Elevation        Completion Date 11-7-91 Total Depth 358 Land Type F

Casing Strings, Sizes, Types & Depths 8" PVC SURFACE CASING  
90" DEEP

If Casing Strings are cemented, show amounts & types used YES WITH  
20 BAGS NEAT CEMENT

If Cement or Bentonite Plugs have been placed, show depths & amounts used  
N/A

Depths & thickness of water zones with description of water: Fresh, Clear,  
Salty, Sulphur, Etc. 100' FRESH

Depths gas encountered: N/A

Ground bed depth with type & amount of coke breeze used: 358' DEEP  
with 5200 lbs Asbury 4518 Flo Coke

Depths anodes placed: 335, 325, 315, 305, 295, 285, 275, 265, 255, 245, 235

Depths vent pipes placed: 335'

Vent pipe perforations: bottom 240'

Remarks:       

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OIL CON. DIV.  
DIST. 3

If any of the above data is unavailable, please indicate so. Copies of all logs, including Drillers Log, Water Analyses & Well Bore Schematics should be submitted when available. Unplugged abandoned wells are to be included.

Land Type may be shown: F-Federal; I-Indian; S-State; P-Fee.  
If Federal or Indian, add Lease Number.



## CPS GROUND BED CONSTRUCTION WORKSHEET

CPS# 2261	P/L NAME(s), NUMBER(s) Dearth, + FED # 351, # 5					
* NA09	TOTAL	VOLTS 11.64	AMPS 290	- OHMS .40	DATE 11-7-91	NAME MRW
REMARKS (notes for construction log) # 351 - C 35, 27-11 & 56 35-27-11						
FF 337 ms, 40'-8" casing, 20 sacks of cement						
"WATER 100", Drilled 360, LOGGED 358						
104 bags Asbury						

DEPTH	LOG	ANODE	DEPTH	LOG	ANODE	DEPTH	LOG	ANODE	DEPTH	LOG	ANODE	
	ANODE	*		ANODE	*		ANODE	*		ANODE	*	
100	2.4		295	2.8		490			685			
105	2.2		300	2.9		495			690			
110	2.1		305	2.7		500			695			
115	1.4		310	2.7		505			700			
120	.9		315	2.5		510			ANODE	DEPTH	NO	FULLY
125	1.4		320	2.6		515			*		COKE	COKE D
130	1.1		325	2.6		520			1	335	2.4	7.3
135	1.5		330	2.5		525			2	325	2.7	7.8
140	1.6		335	2.4		530			3	315	2.7	7.6
145	1.3		340	2.7		535			4	305	2.7	7.2
150	1.2		345	2.5		540			5	295	2.8	7.3
155	.7		350	2.5		545			6	285	2.7	7.5
160	.7		355	TD	358	550			7	275	2.8	7.6
165	.8		360			555			8	265	2.8	7.7
170	1.2		365			560			9	255	2.6	7.4
175	1.3		370			565			10	245	2.8	7.6
180	1.4		375			570			11	235	2.5	7.2
185	1.4		380			575			12	225	2.4	6.9
190	1.3		385			580			13			
195	1.6		390			585			14			
200	1.3		395			590			15			
205	1.4		400			595			16			
210	1.5		405			600			17			
215	1.3		410			605			18			
220	2.0		415			610			19			
225	2.4		420			615			20			
230	2.7		425			620			21			
235	2.5		430			625			22			
240	2.6		435			630			23			
245	2.6		440			635			24			
250	2.9		445			640			25			
255	2.5		450			645			26			
260	2.7		455			650			27			
265	2.8		460			655			28			
270	2.8		465			660			29			
275	2.7		470			665			30			
280	2.7		475			670						
285	2.6		480			675						
290	2.6		485			680						

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DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS  
NORTHWESTERN NEW MEXICO

Operator Meridian Oil Location: Unit C Sec. 35 Twp 27 Rng 11  
Name of Well/Wells or Pipeline Serviced DOUTHIT FEDERAL #351  
4 #5 2261W  
Elevation \_\_\_\_\_ Completion Date 11-7-91 Total Depth 358 Land Type F  
Casing Strings, Sizes, Types & Depths 8" PVC SURFACE CASING  
90" DEEP  
If Casing Strings are cemented, show amounts & types used YES WITH  
20 BAGS NEAT CEMENT  
If Cement or Bentonite Plugs have been placed, show depths & amounts used  
N/A  
Depths & thickness of water zones with description of water: Fresh, Clear,  
Salty, Sulphur, Etc. 100' FRESH  
Depths gas encountered: N/A  
Ground bed depth with type & amount of coke breeze used: 358' DEEP  
with 5200 lbs Asbury 4518 Flo Coke  
Depths anodes placed: 335, 325, 315, 305, 295, 285, 275, 265, 255, 245, 235  
225  
Depths vent pipes placed: 335'  
Vent pipe perforations: bottom 240'  
Remarks: \_\_\_\_\_

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DIST. 3

If any of the above data is unavailable, please indicate so. Copies of all logs, including Drillers Log, Water Analyses & Well Bore Schematics should be submitted when available. Unplugged abandoned wells are to be included.

Land Type may be shown: F-Federal; I-Indian; S-State; P-Fee.  
If Federal or Indian, add Lease Number.

## CPS GROUND BED CONSTRUCTION WORKSHEET

CPS# 2261	P/L NAME(*), NUMBER(*) Dearth, Fern # 351, # 5					
*NA09	TOTAL	VOLTS 11.64	AMPS 29.0	- OHMS .40	DATE 11-7-91	NAME MRW
REMARKS (notes for construction log)						
# 351 - C 35, 27-11 # 5 6 35-27-11						
FF 337 ms, 90'-8" EASING, 20 SACKS of cement						
"WATER 100", Drilled 360, LOGGED 358						
104 bags Asbury						

DEPTH	LOG ANODE	ANODE #	DEPTH	LOG ANODE	ANODE #	DEPTH	LOG ANODE	ANODE #	DEPTH	LOG ANODE	ANODE #	
100	2.4		295	2.8-		490			685			
105	2.2		300	2.9		495			690			
110	2.1		305	2.7-		500			695			
115	1.4		310	2.7		505			700			
120	.9		315	2.5		510			ANODE	DEPTH	NO	FULLY
125	1.4		320	2.6		515			*		COKE	COKE D
130	1.1		325	2.6-		520			1	335	2.4	7.3
135	1.5		330	2.5		525			2	325	2.7	7.8
140	1.6		335	2.4-		530			3	315	2.7	7.6
145	1.3		340	2.7		535			4	305	2.7	7.2
150	1.2		345	2.5		540			5	295	2.8	7.3
155	.7		350	2.5		545			6	285	2.7	7.5
160	.7		355	TD 358		550			7	275	2.8	7.6
165	.8		360			555			8	265	2.8	7.7
170	1.2		365			560			9	255	2.6	7.4
175	1.3		370			565			10	245	2.8	7.6
180	1.4		375			570			11	235	2.5	7.2
185	1.4		380			575			12	225	2.4	6.9
190	1.3		385			580			13			
195	1.6		390			585			14			
200	1.3		395			590			15			
205	1.4		400			595			16			
210	1.5		405			600			17			
215	1.3		410			605			18			
220	2.0		415			610			19			
225	2.4		420			615			20			
230	2.7		425			620			21			
235	2.5-		430			625			22			
240	2.6		435			630			23			
245	2.8-		440			635			24			
250	2.9		445			640			25			
255	2.5-		450			645			26			
260	2.7		455			650			27			
265	2.8-		460			655			28			
270	2.8		465			660			29			
275	2.7-		470			665			30			
280	2.7		475			670						
285	2.6-		480			675						
290	2.6		485			680						

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352-30-045-28405

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DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS  
NORTHWESTERN NEW MEXICOOperator MERIDIAN OIL Location: Unit M Sec. 35 Twp 27 Rng 11Name of Well/Wells or Pipeline Serviced DOUTHITT FEDERAL #352CPS #22622262WElevation \_\_\_\_\_ Completion Date 11-6-91 Total Depth 399' Land Type FCasing Strings, Sizes, Types & Depths 8" PVC SURFACECASING, 100' DEEPIf Casing Strings are cemented, show amounts & types used Yes, with22 SACKS NEAT CEMENT

If Cement or Bentonite Plugs have been placed, show depths &amp; amounts used

NUDepths & thickness of water zones with description of water: Fresh, Clear,  
Salty, Sulphur, Etc. FRESH 120Depths gas encountered: NUGround bed depth with type & amount of coke breeze used: 399' DEEPwith 5650 lbs of Ashbury 4518 Flt COKEDepths anodes placed: 360, 350, 315, 275, 265, 255, 210, 200, 190, 180, 170, 16Depths vent pipes placed: 360'Vent pipe perforations: bottom 260'

Remarks: \_\_\_\_\_

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OIL CON. DIV.  
DIST. 2

If any of the above data is unavailable, please indicate so. Copies of all logs, including Drillers Log, Water Analyses & Well Bore Schematics should be submitted when available. Unplugged abandoned wells are to be included.

Land Type may be shown: F-Federal; I-Indian; S-State; P-Fee.  
If Federal or Indian, add Lease Number.

## CPS GROUND BED CONSTRUCTION WORKSHEET

CPS# 2262	P/L NAME (S), NUMBER (S) DOW HIT FEDERAL #352					
*N410	TOTAL	VOLTS 17.8	AMPS 29.5	- OHMS .4	DATE 11-2-91	NAME MRW
REMARKS (notes for construction log)						
WATER AT 120' Set 100' of CASING						
22 bags cement. DRILLED 400', LOGGED 399' Perforated						
Bottom 260'						
113 bags Ashbury						

DEPTH	LOG ANODE	ANODE #	DEPTH	LOG ANODE	ANODE #	DEPTH	LOG ANODE	ANODE #	DEPTH	LOG ANODE	ANODE #	
100			295	1.2		490			685			
105			300	1.0		495			690			
110			305	1.1		500			695			
115			310	2.1		505			700			
120			315	2.0		510			ANODE	DEPTH	NO	FULLY
125			320	2.0		515			*		COKE	COKE'D
130			325	1.9		520			1	360	2.3	7.7
135	2.5		330	1.8		525			2	350	2.5	7.8
140	2.7		335	1.8		530			3	315	2.0	5.8
145	2.6		340	1.8		535			4	275	2.2	7.1
150	2.6		345	2.1		540			5	265	2.1	7.1
155	2.7		350	2.3		545			6	255	2.3	6.5
160	2.5		355	2.3		550			7	210	2.3	7.9
165	2.7		360	2.2		555			8	200	2.2	8.4
170	2.5		365	1.9		560			9	190	2.1	7.8
175	2.4		370	1.8		565			10	180	2.4	8.1
180	2.3		375	1.2		570			11	170	2.6	8.9
185	2.2		380	.9		575			12	160	2.7	9.2
190	2.1		385	.7		580			13			
195	2.2		390	.9	TD	585			14			
200	2.2		395	1.8	399	590			15			
205	2.4		400			595			16			
210	2.2		405			600			17			
215	2.0		410			605			18			
220	1.7		415			610			19			
225	1.0		420			615			20			
230	.9		425			620			21			
235	.8		430			625			22			
240	.6		435			630			23			
245	.7		440			635			24			
250	1.2		445			640			25			
255	2.2		450			645			26			
260	2.1		455			650			27			
265	2.1		460			655			28			
270	2.1		465			660			29			
275	2.1		470			665			30			
280	2.0		475			670						
285	1.9		480			675						
290	1.6		485			680						

DISTRIBUTION - original - permanent CPS FILE

copy - Division Corrosion Supervisor

copy - Region Corrosion Specialist

## API WATER ANALYSIS REPORT FORM

Laboratory No. 25 - 91108 - 1M

Company <b>Meridian</b>		Sample No.		Date Sampled <b>11-6-91</b>	
Field <b>2262W</b>		Legal Description <b>Su 35-26-11</b>		County or Parish <b>San Juan</b>	
Lease or Unit		Well <b>Roulet Federal # 352</b>	Depth <b>120'</b>	Formation <b>FC</b>	Water, B/D
Type of Water (Produced, Supply, etc.)		Sampling Point <b>Ground Bed</b>		Sampled By <b>mfw</b>	

## DISSOLVED SOLIDS

## CATIONS

	mg/l	me/l
Sodium, Na (calc.)	<b>160</b>	<b>7.1</b>
Calcium, Ca	<b>6.8</b>	<b>0.34</b>
Magnesium, Mg	<b>0.24</b>	<b>0.02</b>
Barium, Ba		

## ANIONS

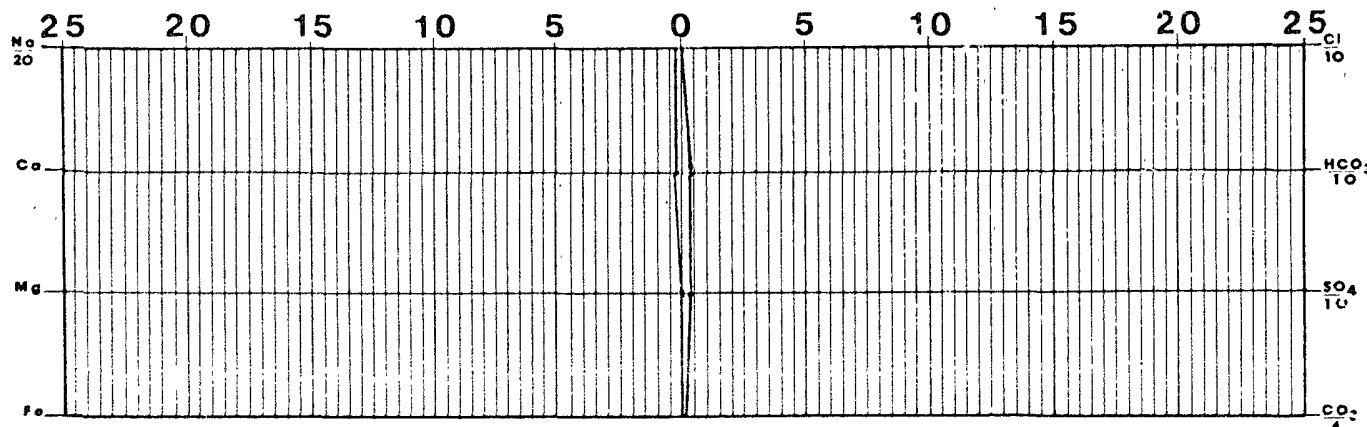
Chloride, Cl	<b>12</b>	<b>0.35</b>
Sulfate, $SO_4$	<b>160</b>	<b>3.2</b>
Carbonate, $CO_3$	<b>12</b>	<b>0.4</b>
Bicarbonate, $HCO_3$	<b>210</b>	<b>3.5</b>

## OTHER PROPERTIES

pH	<b>8.61</b>
Specific Gravity, 60/60 F.	<b>1.0017</b>
Resistivity (ohm-meters) <b>58</b> F.	<b>17.2</b>
Total Dissolved Solids (calc.)	<b>560</b>

Iron, Fe (total)  
Sulfide, as  $H_2S$

## REMARKS &amp; RECOMMENDATIONS:



Date Received <b>8th Nov, 1991</b>	Preserved	Date Analyzed <b>27th Dec, 1991</b>	Analyzed By <b>R.H.</b>
---------------------------------------	-----------	--	----------------------------



**TECH, Inc.**  
333 East Main  
Farmington  
New Mexico  
87401  
505/327-3311



DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS  
NORTHWESTERN NEW MEXICO

Operator MERIDIAN OIL Location: Unit M Sec. 35 Twp 27 Rng 11  
Name of Well/Wells or Pipeline Serviced DOUTHITT FEDERAL #352  
CPS #2262 2262W  
Elevation \_\_\_\_\_ Completion Date 11-6-91 Total Depth 399' Land Type F  
Casing Strings, Sizes, Types & Depths 8" PVC SURFACE  
CASING 100' DEEP  
If Casing Strings are cemented, show amounts & types used Yes, with  
22 SACKS NEAT CEMENT  
If Cement or Bentonite Plugs have been placed, show depths & amounts used  
NU  
Depths & thickness of water zones with description of water: Fresh, Clear,  
Salty, Sulphur, Etc. FRESH 120  
Depths gas encountered: NU  
Ground bed depth with type & amount of coke breeze used: 399' DEEP  
with 5650 lbs of Ashbury 4518 Flo Coke  
Depths anodes placed: 360, 350, 315, 275, 265, 255, 210, 200, 190, 180, 170  
Depths vent pipes placed: 360'  
Vent pipe perforations: bottom 260'  
Remarks: \_\_\_\_\_

**RECEIVED**  
FEB 24 1992  
OIL CON. DIV.  
DIST. 3

If any of the above data is unavailable, please indicate so. Copies of all logs, including Drillers Log, Water Analyses & Well Bore Schematics should be submitted when available. Unplugged abandoned wells are to be included.

Land Type may be shown: F-Federal; I-Indian; S-State; P-Fee.  
If Federal or Indian, add Lease Number.

## CPS GROUND BED CONSTRUCTION WORKSHEET

CPS# 2262	P/L NAME (S), NUMBER (S) DOUTHIT FEDERAL #352					
N410	TOTAL	VOLTS 17.8	AMPS 29.5	- OHMS .4	DATE 11-2-91	NAME MRW

REMARKS (notes for construction log)

WATER AT 120' Set 100' of casing

22 bags cement. Drilled 400', LOGGED 399' Perforated  
Bottom 260'

113 bags Ashbury

DEPTH	LOG	ANODE	DEPTH	LOG	ANODE	DEPTH	LOG	ANODE	DEPTH	LOG	ANODE	
	ANODE	*		ANODE	*		ANODE	*		ANODE	*	
100			295	1.2		490			685			
105			300	1.0		495			690			
110			305	1.1		500			695			
115			310	2.1		505			700			
120			315	2.0		510			ANODE	DEPTH	NO.	FULLY
125			320	2.0		515			*		COKE	COKE'D
130			325	1.9		520			1	360	2.3	7.7
135	2.5		330	1.8		525			2	350	2.5	7.8
140	2.7		335	1.8		530			3	315	2.0	5.8
145	2.6		340	1.8		535			4	275	2.2	7.1
150	2.6		345	2.1		540			5	265	2.1	7.1
155	2.7		350	2.3		545			6	255	2.3	6.5
160	2.5		355	2.3		550			7	210	2.3	7.9
165	2.7		360	2.2		555			8	200	2.2	8.4
170	2.5		365	1.9		560			9	190	2.1	7.8
175	2.4		370	1.8		565			10	180	2.4	8.1
180	2.3		375	1.2		570			11	170	2.6	8.9
185	2.2		380	.9		575			12	160	2.7	9.2
190	2.1		385	.7		580			13			
195	2.2		390	.9	TD	585			14			
200	2.2		395	1.8	399	590			15			
205	2.4		400			595			16			
210	2.2		405			600			17			
215	2.0		410			605			18			
220	1.7		415			610			19			
225	1.0		420			615			20			
230	.9		425			620			21			
235	.8		430			625			22			
240	.6		435			630			23			
245	.7		440			635			24			
250	1.2		445			640			25			
255	2.2		450			645			26			
260	2.1		455			650			27			
265	2.1		460			655			28			
270	2.1		465			660			29			
275	2.1		470			665			30			
280	2.0		475			670						
285	1.9		480			675						
290	1.6		485			680						

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- Division Corrosion Supervisor

copy

- Region Corrosion Specialist

## API WATER ANALYSIS REPORT FORM

Laboratory No. 25 - 911108 - 1M

Company <u>MERIDIAN</u>		Sample No.		Date Sampled <u>11-6-91</u>	
Field <u>2262W</u>		Legal Description <u>Su 35-26-11</u>		County or Parish <u>San Juan</u>	
Lease or Unit		Well <u>Douglas Federal # 352</u>	Depth <u>120'</u>	Formation <u>FC</u>	Water, B/D
Type of Water (Produced, Supply, etc.)		Sampling Point <u>Ground Bed</u>		Sampled By <u>mfw</u>	

## DISSOLVED SOLIDS

## CATIONS

	mg/l	me/l
Sodium, Na (calc.)	<u>160</u>	<u>7.1</u>
Calcium, Ca	<u>6.8</u>	<u>0.34</u>
Magnesium, Mg	<u>0.24</u>	<u>0.02</u>
Barium, Ba		

## OTHER PROPERTIES

pH	<u>8.61</u>
Specific Gravity, 60/60 F.	<u>1.0017</u>
Resistivity (ohm-meters) <u>68</u> F.	<u>17.2</u>

Total Dissolved Solids (calc.)

560

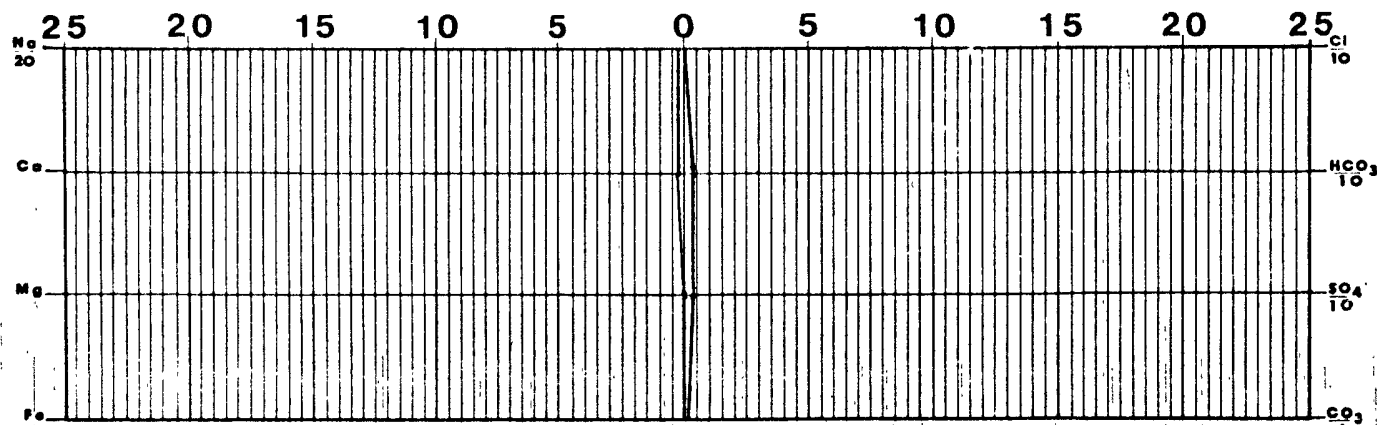
## ANIONS

Chloride, Cl	<u>12</u>	<u>0.35</u>
Sulfate, $SO_4$	<u>160</u>	<u>3.2</u>
Carbonate, $CO_3$	<u>12</u>	<u>0.4</u>
Bicarbonate, $HCO_3$	<u>210</u>	<u>3.5</u>

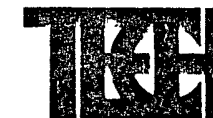
Iron, Fe (total)

Sulfide, as  $H_2S$ 

## REMARKS &amp; RECOMMENDATIONS:



Date Received <u>8th Nov 1991</u>	Preserved	Date Analyzed <u>27th Dec 1991</u>	Analyzed By <u>R.11</u>
--------------------------------------	-----------	---------------------------------------	----------------------------



**TECH, Inc.**  
 333 East Main  
 Farmington  
 New Mexico  
 87401  
 505/327-3311





## APPENDIX C

### Executed C-138 Solid Waste Acceptance Forms

---

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources  
Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-138  
Revised 08/01/11

\*Surface Waste Management Facility Operator  
and Generator shall maintain and make this  
documentation available for Division inspection.

97057-1125

## REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

### 1. Generator Name and Address:

Enterprise Field Services, LLC, 614 Reilly Ave, Farmington NM 87401

PayKey: RB21200

PM: Aaron Lucero

AFE: N55007

### 2. Originating Site:

Douthit Federal #6 PC

### 3. Location of Material (Street Address, City, State or ULSTR):

UL D Section 26 T27N R11W; 36.552376, -107.980790

### 4. Source and Description of Waste:

Source: Remediation activities associated with a natural gas pipeline leak.

Description: Hydrocarbon/Condensate impacted soil associated natural gas pipeline release.

Estimated Volume 50 yd<sup>3</sup>/bbls Known Volume (to be entered by the operator at the end of the haul) 125 yd<sup>3</sup>/bbls

### 5. GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS

I, Thomas Long *Thomas Long*, representative or authorized agent for Enterprise Products Operating do hereby

#### Generator Signature

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

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

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

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

### GENERATOR 19.15.36.15 WASTE TESTING CERTIFICATION STATEMENT FOR LANDFARMS

I, Thomas Long *Thomas Long* 9-2-2021, representative for Enterprise Products Operating authorizes Envirotech, Inc. to complete

#### Generator Signature

the required testing/sign the Generator Waste Testing Certification.

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

### 5. Transporter: Riley Industrial

#### OCD Permitted Surface Waste Management Facility

Name and Facility Permit #: Envirotech Inc. Soil Remediation Facility \* Permit #: NM 01-0011

Address of Facility: Hilltop, NM

Method of Treatment and/or Disposal:

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

#### Waste Acceptance Status:

☒ APPROVED

☐ DENIED (Must Be Maintained As Permanent Record)

PRINT NAME: Greg Crabtree

TITLE: Enviro Manager

DATE: 9/2/21

SIGNATURE: *Greg Crabtree*  
Surface Waste Management Facility Authorized Agent

TELEPHONE NO.: 505-632-0615

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources  
Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-138  
Revised 08/01/11

\*Surface Waste Management Facility Operator  
and Generator shall maintain and make this  
documentation available for Division inspection.

97057-1125

## REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

### 1. Generator Name and Address:

Enterprise Field Services, LLC, 614 Reilly Ave, Farmington NM 87401

PayKey: RB21200  
PM: Aaron Lucero  
AFE: N55007

### 2. Originating Site:

Douthit Federal #6 PC

### 3. Location of Material (Street Address, City, State or ULSTR):

UL D Section 26 T27N R11W; 36.552376, -107.980790

### 4. Source and Description of Waste:

Source: Remediation activities associated with a natural gas pipeline leak.

Description: Hydrocarbon/Condensate impacted soil associated natural gas pipeline release.

Estimated Volume 50 yd<sup>3</sup>/bbls Known Volume (to be entered by the operator at the end of the haul) 1862 yd<sup>3</sup> bbls

### 5. GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS

I, Thomas Long *Thomas Long*, representative or authorized agent for Enterprise Products Operating do hereby  
Generator Signature

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

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

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

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

### GENERATOR 19.15.36.15 WASTE TESTING CERTIFICATION STATEMENT FOR LANDFARMS

I, Thomas Long *Thomas Long* 10-18-2021, representative for Enterprise Products Operating authorizes Envirotech, Inc. to complete  
Generator Signature  
the required testing/sign the Generator Waste Testing Certification.

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

5. Transporter: Riley Industrial HBL, OFT, STAN Horn, CF&M

### OCD Permitted Surface Waste Management Facility

Name and Facility Permit #: Envirotech Inc. Soil Remediation Facility \* Permit #: NM 01-0011

Address of Facility: Hilltop, NM

Method of Treatment and/or Disposal:

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

### Waste Acceptance Status:

☒ APPROVED

☐ DENIED (Must Be Maintained As Permanent Record)

PRINT NAME: Greg Crabtree

SIGNATURE: *Greg Crabtree*

Surface Waste Management Facility Authorized Agent

TITLE: Enviro Manager

TELEPHONE NO.:

505-632-0615

DATE: 10/20/21





## APPENDIX D

### Photographic Documentation

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## SITE PHOTOGRAPHS

Closure Report  
Enterprise Field Services, LLC  
Douthit Federal #6 PC (10/19/21)  
Ensolum Project No. 05A1226157

**Photograph 1**

Photograph Description: View of in-process excavation activities.

**Photograph 2**

Photograph Description: View of in-process excavation activities.

**Photograph 3**

Photograph Description: View of the excavation (second sampling event).





## SITE PHOTOGRAPHS

Closure Report  
Enterprise Field Services, LLC  
Douthitt Federal #6 PC (10/19/21)  
Ensolum Project No. 05A1226157

**Photograph 4**

Photograph Description: View of in-process excavation activities.

**Photograph 5**

Photograph Description: View of the excavation (third sampling event).

**Photograph 6**

Photograph Description: View of in-process excavation activities and removal of soil associated with sample S-16.





## SITE PHOTOGRAPHS

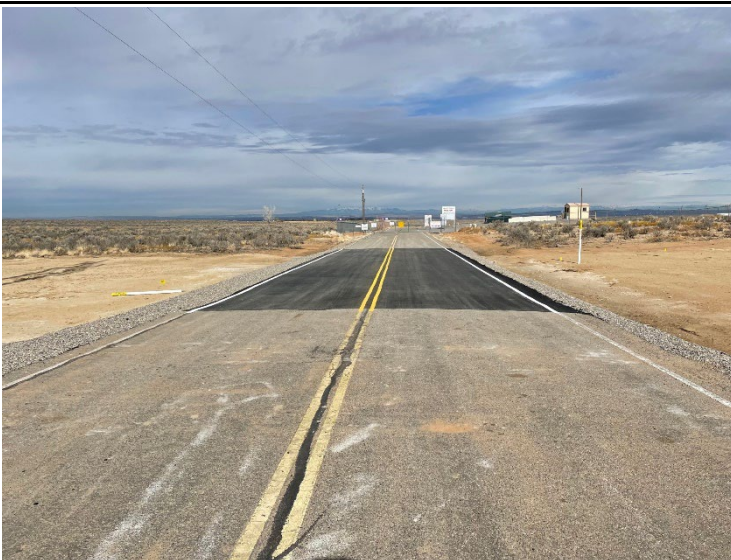
Closure Report  
Enterprise Field Services, LLC  
Douthit Federal #6 PC (10/19/21)  
Ensolum Project No. 05A1226157

**Photograph 7**

Photograph Description: View of the excavation (fourth sampling event).

**Photograph 8**

Photograph Description: View of the site after initial restoration and reconstruction of the road.





## APPENDIX E

### Regulatory Correspondence

---

**From:** [Long, Thomas](#)  
**To:** ["Smith, Cory, EMNRD \(Cory.Smith@state.nm.us\)"; rjoyner@blm.gov](#)  
**Cc:** [Stone, Brian](#)  
**Subject:** FW: Douthit Federal #6 PC - UL D Section 26 T27N R11W; 36.552376, -107.980790 - Incident nAPP2129253819  
**Date:** Wednesday, November 3, 2021 5:40:00 PM  
**Attachments:** [Douthit Fed 6 Field Map 110321.PDF](#)  
[Douthit Federal 6.pdf](#)

---

Cory/Ryan,

Please find the attached site sketch and lab report for the Douthit Federal #6 excavation. One sample (S-16) exceeded the NMOCD Tier II standard for BTEX. Enterprise will be excavating in the area and resampling tomorrow, November 4, 2021 at 1:00 p.m. If you have any questions, please call or email.

**Thomas J. Long** Senior Environmental Scientist  
**Enterprise Products Company**  
**614 Reilly Ave.**  
**Farmington, New Mexico 87401**  
**505-599-2286 (office)**  
**505-215-4727 (Cell)**  
[tjlong@eprod.com](mailto:tjlong@eprod.com)



---

**From:** Long, Thomas <tjlong@eprod.com>  
**Sent:** Monday, November 1, 2021 8:29 AM  
**To:** EMNRD Smith Cory <Cory.Smith@state.nm.us>; Ryan Joyner <rjoyner@blm.gov>  
**Cc:** Stone, Brian <bmstone@eprod.com>  
**Subject:** Fwd: Douthit Federal #6 PC - UL D Section 26 T27N R11W; 36.552376, -107.980790 - Incident nAPP2129253819

Cory/Ryan,

This sampling event has been postponed until tomorrow November 2, 2021 at 10:00 a.m. If you have any questions, please call or email.

Tom Long

Begin forwarded message:

**From:** "Long, Thomas" </O=EPROD/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=LONG>  
**Date:** October 29, 2021 at 7:25:00 AM MDT  
**Subject:** FW: Douthit Federal #6 PC - UL D Section 26 T27N R11W; 36.552376,



**-107.980790 - Incident nAPP2129253819**

Cory/Ryan, C

This email is a notification that Enterprise will be collecting soil samples for laboratory analysis at the Douthit Federal #6 PC on Monday, November 1, 2021 at 1:00 p.m. If you have any questions, please call or email.

**Thomas J. Long**  
**Senior Environmental Scientist**  
**Enterprise Products Company**  
**614 Reilly Ave.**  
**Farmington, New Mexico 87401**  
**505-599-2286 (office)**  
**505-215-4727 (Cell)**  
[tjlong@eprod.com](mailto:tjlong@eprod.com)



---

**From:** Long, Thomas  
**Sent:** Friday, October 22, 2021 3:29 PM  
**To:** 'Smith, Cory, EMNRD ([Cory.Smith@state.nm.us](mailto:Cory.Smith@state.nm.us))' <[Cory.Smith@state.nm.us](mailto:Cory.Smith@state.nm.us)>; [rjoyner@blm.gov](mailto:rjoyner@blm.gov)  
**Cc:** Stone, Brian <[bmstone@eprod.com](mailto:bmstone@eprod.com)>  
**Subject:** Douthit Federal #6 PC - UL D Section 26 T27N R11W; 36.552376, -107.980790 - Incident nAPP2129253819

Cory/Ryan,

This email is a notification that Enterprise will be collecting soil samples for laboratory analysis at the Douthit Federal #6 PC on Monday, October 25, 2021 at 1:00 p.m. If you have any questions, please call or email.

**Thomas J. Long**  
**Senior Environmental Scientist**  
**Enterprise Products Company**  
**614 Reilly Ave.**  
**Farmington, New Mexico 87401**  
**505-599-2286 (office)**  
**505-215-4727 (Cell)**  
[tjlong@eprod.com](mailto:tjlong@eprod.com)





## APPENDIX F

### Tables





TABLE 1A

Douthit Federal #6 PC (10/19/21)

SOIL ANALYTICAL SUMMARY (SOIL ZONE: CONTAINS ALIQUOTS FROM &lt; 4 FEET BGS)

Sample I.D.	Date	Sample Type	Sample Depth	Benzene	Toluene	Ethylbenzene	Xylenes	Total BTEX <sup>1</sup>	TPH GRO	TPH DRO	TPH MRO	Total Combined TPH (GRO/DRO/MRO) <sup>1</sup>	Chloride
		C- Composite G - Grab	(feet)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
New Mexico Energy, Mineral & Natural Resources Department Oil Conservation Division Closure Criteria				10	NE	NE	NE	50				100	600
Composite Soil Samples Removed by Excavation and Transported to the Landfarm for Diposal/Remediation													
S-8	10.25.21	C	0 to 4	0.47	15	5.3	38	59	470	180	<46	650	64
S-9	10.25.21	C	0 to 4	<0.018	0.043	<0.037	0.15	0.19	<3.7	<9.5	<48	ND	200
S-14	10.25.21	C	0 to 4	<0.017	<0.035	<0.035	<0.069	ND	<3.5	<9.7	<48	ND	150
S-15	10.25.21	C	0 to 4	<0.088	<0.18	<0.18	<0.35	ND	<18	<9.9	<49	ND	140
Excavation Composite Soil Samples													
S-1	10.19.21	C	0 to 4	<0.016	<0.033	<0.033	<0.065	ND	<3.3	<9.7	<48	ND	<60
S-2	10.19.21	C	0 to 4	<0.014	<0.029	<0.029	<0.057	ND	<2.9	<9.8	<49	ND	<60
S-23	11.2.21	C	0 to 4	<0.077	<0.15	<0.15	<0.31	ND	<15	<9.7	<49	ND	<60
S-27	11.2.21	C	0 to 4	<0.015	<0.031	<0.031	<0.062	ND	<3.1	<9.0	<45	ND	92
S-28	11.2.21	C	0 to 4	<0.018	<0.035	<0.035	<0.071	ND	<3.5	<9.3	<47	ND	<60
S-33	11.2.21	C	0 to 4	<0.020	<0.039	<0.039	<0.078	ND	<3.9	<9.4	<47	ND	<60
S-37	11.2.21	C	0 to 4	<0.016	<0.033	<0.033	<0.066	ND	<3.3	<9.8	<49	ND	120
S-38	11.2.21	C	0 to 4	<0.016	<0.032	<0.032	<0.064	ND	<3.2	<9.4	<47	ND	370

Note: Concentrations in bold and yellow exceed the applicable NM EMNRD Closure Criteria

<sup>1</sup> = Total combined concentrations are rounded to two (2) significant figures to match the laboratory resolution of the individual constituents.

ND = Not Detected above the Practical Quantitation Limits (PQLs) or Reporting Limits (RLs)

NA = Not Analyzed

NE = Not established

mg/kg = milligram per kilogram

BTEX = Benzene, Toluene, Ethylbenzene, and Xylenes

TPH = Total Petroleum Hydrocarbons

GRO = Gasoline Range Organics

DRO = Diesel Range Organics

MRO = Motor Oil/Lube Oil Range Organics



**TABLE 1B**  
**Douthit Federal #6 PC (10/19/21)**  
**SOIL ANALYTICAL SUMMARY (CONTAINS ONLY ALIQUOTS FROM >4 FEET BGS)**

Sample I.D.	Date	Sample Type	Sample Depth	Benzene	Toluene	Ethylbenzene	Xylenes	Total BTEX <sup>1</sup>	TPH GRO	TPH DRO	TPH MRO	Total Combined TPH (GRO/DRO) <sup>1</sup>	Total Combined TPH (GRO/DRO/MRO) <sup>1</sup>	Chloride
		C - Composite G - Grab	(feet)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
New Mexico Energy, Mineral & Natural Resources Department Oil Conservation Division Closure Criteria (Tier II)				10	NE	NE	NE	50				1,000	2,500	10,000
<b>Composite Soil Samples Removed by Excavation and Transported to the Landfarm for Diposal/Remediation</b>														
S-5	10.25.21	C	11	6.5	34	13	78	130	1,000	100	<46	1,100	1,100	<60
S-6	10.25.21	C	11	29	210	33	290	560	3,200	740	1,800	3,900	5,700	<60
S-10	10.25.21	C	4 to 11	1.1	20	7.5	52	81	730	170	<46	900	900	<60
S-11	10.25.21	C	4 to 11	2.6	51	12	110	180	1,100	240	<49	1,300	1,300	<59
S-12	10.25.21	C	4 to 11	0.39	7.2	1.8	17	26	230	39	<49	270	270	<60
S-13	10.25.21	C	4 to 11	4.2	51	8.8	73	140	1,100	81	<47	1,200	1,200	<60
S-16	11.2.21	C	16	2.5	21	8.2	51	83	340	25	<46	370	370	<60
<b>Excavation Composite Soil Samples</b>														
S-3	10.25.21	C	4 to 11	<0.017	<0.035	<0.035	<0.070	ND	<3.5	<9.9	<50	ND	ND	<60
S-4	10.25.21	C	4 to 11	<0.015	<0.030	<0.030	<0.059	ND	<3.0	<9.9	<50	ND	ND	<61
S-7	10.25.21	C	11	<0.092	<0.18	<0.18	0.74	0.74	<18	<9.6	<48	ND	ND	<60
S-17	11.2.21	C	16	0.16	4.8	4.5	32	41	180	22	<48	200	200	<60
S-18	11.2.21	C	16	<0.083	<0.17	<0.17	<0.33	ND	<17	<9.3	<46	ND	ND	<60
S-19	11.2.21	C	16	<0.087	<0.17	0.23	2.0	2.2	20	<94	<47	20	20	<60
S-20	11.2.21	C	16	<0.093	<0.19	<0.19	1.1	1.1	20	<9.5	<47	20	20	<60
S-21	11.2.21	C	16	<0.091	<0.18	<0.18	1.3	1.3	<18	<9.3	<46	ND	ND	<60
S-22	11.2.21	C	11 to 16	<0.078	<0.16	<0.16	<0.31	ND	<16	<9.6	<48	ND	ND	<60
S-24	11.2.21	C	4 to 16	<0.081	<0.16	<0.16	<0.32	ND	<16	<9.0	<45	ND	ND	<60
S-25	11.2.21	C	4 to 16	<0.096	<0.19	<0.19	<0.38	ND	<19	<9.6	<48	ND	ND	<60
S-26	11.2.21	C	4 to 16	<0.016	<0.033	<0.033	<0.066	ND	<3.3	<9.5	<47	ND	ND	<60
S-29	11.2.21	C	4 to 11	<0.015	<0.030	<0.030	<0.060	ND	<3.0	<9.4	<47	ND	ND	<60
S-30	11.2.21	C	11 to 16	<0.084	<0.17	<0.17	<0.33	ND	<17	<7.9	<40	ND	ND	72
S-31	11.2.21	C	4 to 11	<0.079	<0.16	<0.16	<0.31	ND	<16	<9.7	<49	ND	ND	<60
S-32	11.2.21	C	4 to 16	<0.018	<0.037	<0.037	<0.073	ND	<3.7	<9.7	<48	ND	ND	<60



<b>TABLE 1B</b> <b>Douthit Federal #6 PC (10/19/21)</b> <b>SOIL ANALYTICAL SUMMARY (CONTAINS ONLY ALIQUOTS FROM &gt;4 FEET BGS)</b>														
Sample I.D.	Date	Sample Type	Sample Depth	Benzene	Toluene	Ethylbenzene	Xylenes	Total BTEX <sup>1</sup>	TPH GRO	TPH DRO	TPH MRO	Total Combined TPH (GRO/DRO) <sup>1</sup>	Total Combined TPH (GRO/DRO/MRO) <sup>1</sup>	Chloride
		C - Composite G - Grab	(feet)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
New Mexico Energy, Mineral & Natural Resources Department Oil Conservation Division Closure Criteria (Tier II)				10	NE	NE	NE	50				1,000	2,500	10,000
S-34	11.2.21	C	4 to 16	<0.016	<0.033	<0.033	<0.066	ND	<3.3	<9.7	<49	ND	ND	<60
S-35	11.2.21	C	4 to 16	<0.018	<0.037	<0.037	<0.073	ND	<3.7	<10	<50	ND	ND	91
S-36	11.2.21	C	4 to 16	<0.017	<0.034	<0.034	<0.067	ND	<3.4	<9.9	<49	ND	ND	<60
S-39	11.4.21	C	16 to 18	<0.091	0.43	<0.18	0.99	1.4	19	<10	<50	19	19	<60
S-40	11.4.21	C	16 to 18	0.020	0.16	0.068	0.52	0.77	6.2	<9.3	<47	6.2	6.2	<60

Note: Concentrations in **bold** and yellow exceed the applicable NM EMNRD Closure Criteria

<sup>1</sup> = Total combined concentrations are rounded to two (2) significant figures to match the laboratory resolution of the individual constituents.

ND = Not Detected above the Practical Quantitation Limits (PQLs) or Reporting Limits (RLs)

NA = Not Analyzed

NE = Not established

mg/kg = milligram per kilogram

BTEX = Benzene, Toluene, Ethylbenzene, and Xylenes

TPH = Total Petroleum Hydrocarbons

GRO = Gasoline Range Organics

DRO = Diesel Range Organics

MRO = Motor Oil/Lube Oil Range Organics





## APPENDIX G

### Laboratory Data Sheets & Chain of Custody Documentation

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Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: [clients.hallenvironmental.com](http://clients.hallenvironmental.com)

October 29, 2021

Kyle Summers

ENSOLUM

606 S. Rio Grande Suite A

Aztec, NM 87410

TEL: (903) 821-5603

FAX:

RE: Douthit Federal 6

OrderNo.: 2110B71

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 2 sample(s) on 10/26/2021 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to [www.hallenvironmental.com](http://www.hallenvironmental.com) or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a light blue horizontal line.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

## Analytical Report

Lab Order 2110B71

Date Reported: 10/29/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-1

Project: Douthit Federal 6

Collection Date: 10/19/2021 9:00:00 AM

Lab ID: 2110B71-001

Matrix: MEOH (SOIL)

Received Date: 10/26/2021 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	ND	60		mg/Kg	20	10/26/2021 12:21:11 PM	63562
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	10/26/2021 11:19:17 AM	63555
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/26/2021 11:19:17 AM	63555
Surr: DNOP	82.7	70-130		%Rec	1	10/26/2021 11:19:17 AM	63555
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	3.3		mg/Kg	1	10/26/2021 11:51:00 AM	R82343
Surr: BFB	99.5	70-130		%Rec	1	10/26/2021 11:51:00 AM	R82343
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.016		mg/Kg	1	10/26/2021 11:51:00 AM	R82343
Toluene	ND	0.033		mg/Kg	1	10/26/2021 11:51:00 AM	R82343
Ethylbenzene	ND	0.033		mg/Kg	1	10/26/2021 11:51:00 AM	R82343
Xylenes, Total	ND	0.065		mg/Kg	1	10/26/2021 11:51:00 AM	R82343
Surr: 4-Bromofluorobenzene	94.9	70-130		%Rec	1	10/26/2021 11:51:00 AM	R82343

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Page 1 of 6



## Analytical Report

Lab Order 2110B71

Date Reported: 10/29/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-2

Project: Douthit Federal 6

Collection Date: 10/19/2021 9:05:00 AM

Lab ID: 2110B71-002

Matrix: MEOH (SOIL)

Received Date: 10/26/2021 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	ND	60		mg/Kg	20	10/26/2021 12:33:35 PM	63562
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	10/26/2021 11:30:00 AM	63555
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/26/2021 11:30:00 AM	63555
Surr: DNOP	85.5	70-130		%Rec	1	10/26/2021 11:30:00 AM	63555
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	2.9		mg/Kg	1	10/26/2021 12:11:00 PM	R82343
Surr: BFB	97.3	70-130		%Rec	1	10/26/2021 12:11:00 PM	R82343
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.014		mg/Kg	1	10/26/2021 12:11:00 PM	R82343
Toluene	ND	0.029		mg/Kg	1	10/26/2021 12:11:00 PM	R82343
Ethylbenzene	ND	0.029		mg/Kg	1	10/26/2021 12:11:00 PM	R82343
Xylenes, Total	ND	0.057		mg/Kg	1	10/26/2021 12:11:00 PM	R82343
Surr: 4-Bromofluorobenzene	97.4	70-130		%Rec	1	10/26/2021 12:11:00 PM	R82343

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Page 2 of 6

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2110B71

29-Oct-21

**Client:** ENSOLUM  
**Project:** Douthit Federal 6

Sample ID: <b>MB-63562</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>63562</b>	RunNo: <b>82359</b>								
Prep Date: <b>10/26/2021</b>	Analysis Date: <b>10/26/2021</b>	SeqNo: <b>2922227</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-63562</b>	SampType: <b>lcs</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>63562</b>	RunNo: <b>82359</b>								
Prep Date: <b>10/26/2021</b>	Analysis Date: <b>10/26/2021</b>	SeqNo: <b>2922228</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.1	90	110			

**Qualifiers:**

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Limit

Page 3 of 6

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2110B71

29-Oct-21

**Client:** ENSOLUM  
**Project:** Douthit Federal 6

Sample ID: <b>LCS-63555</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>63555</b>			RunNo: <b>82349</b>						
Prep Date: <b>10/26/2021</b>	Analysis Date: <b>10/26/2021</b>			SeqNo: <b>2920532</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	10	50.00	0	97.1	68.9	135			
Surr: DNOP	4.6		5.000		91.7	70	130			

Sample ID: <b>MB-63555</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>PBS</b>	Batch ID: <b>63555</b>			RunNo: <b>82349</b>						
Prep Date: <b>10/26/2021</b>	Analysis Date: <b>10/26/2021</b>			SeqNo: <b>2920533</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.8		10.00		87.6	70	130			

Sample ID: <b>LCS-63557</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>63557</b>			RunNo: <b>82349</b>						
Prep Date: <b>10/26/2021</b>	Analysis Date: <b>10/27/2021</b>			SeqNo: <b>2922031</b>		Units: <b>%Rec</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.3		5.000		86.5	70	130			

Sample ID: <b>MB-63557</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>PBS</b>	Batch ID: <b>63557</b>			RunNo: <b>82349</b>						
Prep Date: <b>10/26/2021</b>	Analysis Date: <b>10/27/2021</b>			SeqNo: <b>2922032</b>		Units: <b>%Rec</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	11		10.00		113	70	130			

Sample ID: <b>MB-63573</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>PBS</b>	Batch ID: <b>63573</b>			RunNo: <b>82349</b>						
Prep Date: <b>10/26/2021</b>	Analysis Date: <b>10/28/2021</b>			SeqNo: <b>2923815</b>		Units: <b>%Rec</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	13		10.00		126	70	130			

**Qualifiers:**

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Limit



**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2110B71

29-Oct-21

**Client:** ENSOLUM  
**Project:** Douthit Federal 6

Sample ID: <b>MB-Water</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>PBS</b>	Batch ID: <b>R82343</b>		RunNo: <b>82343</b>							
Prep Date:	Analysis Date: <b>10/26/2021</b>		SeqNo: <b>2920234</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		102	70	130			

Sample ID: <b>2.5ug gro lcs</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>R82343</b>		RunNo: <b>82343</b>							
Prep Date:	Analysis Date: <b>10/26/2021</b>		SeqNo: <b>2920235</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	103	78.6	131			
Surr: BFB	1100		1000		114	70	130			

**Qualifiers:**

* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix	E Value above quantitation range
H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit	P Sample pH Not In Range
PQL Practical Quantitative Limit	RL Reporting Limit
S % Recovery outside of range due to dilution or matrix	

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2110B71

29-Oct-21

**Client:** ENSOLUM  
**Project:** Douthit Federal 6

Sample ID: <b>MB-Water</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>PBS</b>	Batch ID: <b>R82343</b>		RunNo: <b>82343</b>							
Prep Date:	Analysis Date: <b>10/26/2021</b>		SeqNo: <b>2920236</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		103	70	130			

Sample ID: <b>100ng btex lcs</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>R82343</b>		RunNo: <b>82343</b>							
Prep Date:	Analysis Date: <b>10/26/2021</b>		SeqNo: <b>2920237</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.025	1.000	0	93.3	80	120			
Toluene	0.96	0.050	1.000	0	96.5	80	120			
Ethylbenzene	1.0	0.050	1.000	0	101	80	120			
Xylenes, Total	3.0	0.10	3.000	0	101	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		102	70	130			

**Qualifiers:**

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		



Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: clients.hallenvironmental.com

## Sample Log-In Check List

Client Name: **ENSOLUM**Work Order Number: **2110B71**RcptNo: **1**Received By: **Cheyenne Cason** 10/26/2021 7:15:00 AMCompleted By: **Desiree Dominguez** 10/26/2021 8:16:15 AMReviewed By: *JD 10/26/21*

### Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Courier

### Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of  $>0^{\circ}\text{C}$  to  $6.0^{\circ}\text{C}$ ? Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace  $<1/4"$  for AQ VOA? Yes ☐ No ☐ NA ☒
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?  
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?  
(If no, notify customer for authorization.) Yes ☒ No ☐

# of preserved bottles checked for pH: \_\_\_\_\_  
( $<2$  or  $>12$  unless noted)  
Adjusted? \_\_\_\_\_  
Checked by: *JD 10.26.21*

### Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified:	_____	Date:	_____
By Whom:	_____	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	_____		
Client Instructions:	_____		

16. Additional remarks:

### 17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	4.6	Good				
2	5.3	Good				







Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: [clients.hallenvironmental.com](http://clients.hallenvironmental.com)

November 02, 2021

Kyle Summers

ENSOLUM

606 S. Rio Grande Suite A

Aztec, NM 87410

TEL: (903) 821-5603

FAX:

RE: Douthit Federal 6

OrderNo.: 2110B72

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 13 sample(s) on 10/26/2021 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to [www.hallenvironmental.com](http://www.hallenvironmental.com) or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a white background.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

## Analytical Report

Lab Order 2110B72

Date Reported: 11/2/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-3

Project: Douthit Federal 6

Collection Date: 10/25/2021 1:05:00 PM

Lab ID: 2110B72-001

Matrix: MEOH (SOIL)

Received Date: 10/26/2021 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	ND	60		mg/Kg	20	10/26/2021 1:10:48 PM	63562
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	10/26/2021 11:40:42 AM	63555
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	10/26/2021 11:40:42 AM	63555
Surr: DNOP	88.8	70-130		%Rec	1	10/26/2021 11:40:42 AM	63555
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.5		mg/Kg	1	10/26/2021 9:42:29 AM	G82361
Surr: BFB	105	70-130		%Rec	1	10/26/2021 9:42:29 AM	G82361
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.017		mg/Kg	1	10/26/2021 9:42:29 AM	B82361
Toluene	ND	0.035		mg/Kg	1	10/26/2021 9:42:29 AM	B82361
Ethylbenzene	ND	0.035		mg/Kg	1	10/26/2021 9:42:29 AM	B82361
Xylenes, Total	ND	0.070		mg/Kg	1	10/26/2021 9:42:29 AM	B82361
Surr: 4-Bromofluorobenzene	87.2	70-130		%Rec	1	10/26/2021 9:42:29 AM	B82361

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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## Analytical Report

Lab Order 2110B72

Date Reported: 11/2/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-4

Project: Douthit Federal 6

Collection Date: 10/25/2021 1:10:00 PM

Lab ID: 2110B72-002

Matrix: MEOH (SOIL)

Received Date: 10/26/2021 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	ND	61		mg/Kg	20	10/26/2021 1:23:12 PM	63562
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	10/26/2021 11:51:26 AM	63555
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	10/26/2021 11:51:26 AM	63555
Surr: DNOP	96.4	70-130		%Rec	1	10/26/2021 11:51:26 AM	63555
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.0		mg/Kg	1	10/26/2021 10:05:53 AM	G82361
Surr: BFB	106	70-130		%Rec	1	10/26/2021 10:05:53 AM	G82361
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.015		mg/Kg	1	10/26/2021 10:05:53 AM	B82361
Toluene	ND	0.030		mg/Kg	1	10/26/2021 10:05:53 AM	B82361
Ethylbenzene	ND	0.030		mg/Kg	1	10/26/2021 10:05:53 AM	B82361
Xylenes, Total	ND	0.059		mg/Kg	1	10/26/2021 10:05:53 AM	B82361
Surr: 4-Bromofluorobenzene	86.5	70-130		%Rec	1	10/26/2021 10:05:53 AM	B82361

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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## Analytical Report

Lab Order 2110B72

Date Reported: 11/2/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-5

Project: Douthit Federal 6

Collection Date: 10/25/2021 1:15:00 PM

Lab ID: 2110B72-003

Matrix: MEOH (SOIL)

Received Date: 10/26/2021 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	ND	60		mg/Kg	20	10/26/2021 1:35:37 PM	63562
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	100	9.2		mg/Kg	1	10/26/2021 12:02:12 PM	63555
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	10/26/2021 12:02:12 PM	63555
Surr: DNOP	72.3	70-130		%Rec	1	10/26/2021 12:02:12 PM	63555
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	1000	16		mg/Kg	5	10/26/2021 10:29:16 AM	G82361
Surr: BFB	823	70-130	S	%Rec	5	10/26/2021 10:29:16 AM	G82361
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	6.5	0.082		mg/Kg	5	10/26/2021 10:29:16 AM	B82361
Toluene	34	3.3		mg/Kg	100	10/26/2021 4:45:05 PM	B82361
Ethylbenzene	13	0.16		mg/Kg	5	10/26/2021 10:29:16 AM	B82361
Xylenes, Total	78	6.6		mg/Kg	100	10/26/2021 4:45:05 PM	B82361
Surr: 4-Bromofluorobenzene	181	70-130	S	%Rec	5	10/26/2021 10:29:16 AM	B82361

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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## Analytical Report

Lab Order 2110B72

Date Reported: 11/2/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-6

Project: Douthit Federal 6

Collection Date: 10/25/2021 1:20:00 PM

Lab ID: 2110B72-004

Matrix: MEOH (SOIL)

Received Date: 10/26/2021 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	ND	60		mg/Kg	20	10/26/2021 11:52:08 AM	63563
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	740	96		mg/Kg	10	10/26/2021 1:00:05 PM	63555
Motor Oil Range Organics (MRO)	1800	480		mg/Kg	10	10/26/2021 1:00:05 PM	63555
Surr: DNOP	0	70-130	S	%Rec	10	10/26/2021 1:00:05 PM	63555
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	3200	920		mg/Kg	200	10/26/2021 5:08:26 PM	G82361
Surr: BFB	129	70-130		%Rec	200	10/26/2021 5:08:26 PM	G82361
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	29	4.6		mg/Kg	200	10/26/2021 5:08:26 PM	B82361
Toluene	210	9.2		mg/Kg	200	10/26/2021 5:08:26 PM	B82361
Ethylbenzene	33	9.2		mg/Kg	200	10/26/2021 5:08:26 PM	B82361
Xylenes, Total	290	18		mg/Kg	200	10/26/2021 5:08:26 PM	B82361
Surr: 4-Bromofluorobenzene	88.2	70-130		%Rec	200	10/26/2021 5:08:26 PM	B82361

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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## Analytical Report

Lab Order 2110B72

Date Reported: 11/2/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-7

Project: Douthit Federal 6

Collection Date: 10/25/2021 1:25:00 PM

Lab ID: 2110B72-005

Matrix: MEOH (SOIL)

Received Date: 10/26/2021 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	ND	60		mg/Kg	20	10/26/2021 12:04:30 PM	63563
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	10/26/2021 12:12:55 PM	63555
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/26/2021 12:12:55 PM	63555
Surr: DNOP	77.1	70-130		%Rec	1	10/26/2021 12:12:55 PM	63555
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	18		mg/Kg	5	10/26/2021 5:31:41 PM	G82361
Surr: BFB	117	70-130		%Rec	5	10/26/2021 5:31:41 PM	G82361
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.092		mg/Kg	5	10/26/2021 5:31:41 PM	B82361
Toluene	ND	0.18		mg/Kg	5	10/26/2021 5:31:41 PM	B82361
Ethylbenzene	ND	0.18		mg/Kg	5	10/26/2021 5:31:41 PM	B82361
Xylenes, Total	0.74	0.37		mg/Kg	5	10/26/2021 5:31:41 PM	B82361
Surr: 4-Bromofluorobenzene	85.3	70-130		%Rec	5	10/26/2021 5:31:41 PM	B82361

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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## Analytical Report

Lab Order 2110B72

Date Reported: 11/2/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-8

Project: Douthit Federal 6

Collection Date: 10/25/2021 1:30:00 PM

Lab ID: 2110B72-006

Matrix: MEOH (SOIL)

Received Date: 10/26/2021 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	64	60		mg/Kg	20	10/26/2021 12:16:52 PM	63563
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	180	9.2		mg/Kg	1	10/26/2021 12:23:41 PM	63555
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	10/26/2021 12:23:41 PM	63555
Surr: DNOP	77.2	70-130		%Rec	1	10/26/2021 12:23:41 PM	63555
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	470	19		mg/Kg	5	10/26/2021 11:39:43 AM	G82361
Surr: BFB	448	70-130	S	%Rec	5	10/26/2021 11:39:43 AM	G82361
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	0.47	0.096		mg/Kg	5	10/26/2021 11:39:43 AM	B82361
Toluene	15	0.19		mg/Kg	5	10/26/2021 11:39:43 AM	B82361
Ethylbenzene	5.3	0.19		mg/Kg	5	10/26/2021 11:39:43 AM	B82361
Xylenes, Total	38	3.9		mg/Kg	50	10/26/2021 5:55:00 PM	B82361
Surr: 4-Bromofluorobenzene	124	70-130		%Rec	5	10/26/2021 11:39:43 AM	B82361

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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## Analytical Report

Lab Order 2110B72

Date Reported: 11/2/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-9

Project: Douthit Federal 6

Collection Date: 10/25/2021 1:35:00 PM

Lab ID: 2110B72-007

Matrix: MEOH (SOIL)

Received Date: 10/26/2021 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	200	60		mg/Kg	20	10/26/2021 12:29:14 PM	63563
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	10/26/2021 11:44:08 AM	63555
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/26/2021 11:44:08 AM	63555
Surr: DNOP	71.4	70-130		%Rec	1	10/26/2021 11:44:08 AM	63555
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	3.7		mg/Kg	1	10/26/2021 7:05:29 PM	G82361
Surr: BFB	106	70-130		%Rec	1	10/26/2021 7:05:29 PM	G82361
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.018		mg/Kg	1	10/26/2021 7:05:29 PM	B82361
Toluene	0.043	0.037		mg/Kg	1	10/26/2021 7:05:29 PM	B82361
Ethylbenzene	ND	0.037		mg/Kg	1	10/26/2021 7:05:29 PM	B82361
Xylenes, Total	0.15	0.073		mg/Kg	1	10/26/2021 7:05:29 PM	B82361
Surr: 4-Bromofluorobenzene	84.3	70-130		%Rec	1	10/26/2021 7:05:29 PM	B82361

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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## Analytical Report

Lab Order 2110B72

Date Reported: 11/2/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-10

Project: Douthit Federal 6

Collection Date: 10/25/2021 1:40:00 PM

Lab ID: 2110B72-008

Matrix: MEOH (SOIL)

Received Date: 10/26/2021 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	ND	60		mg/Kg	20	10/26/2021 12:41:35 PM	63563
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	170	9.2		mg/Kg	1	10/26/2021 12:34:25 PM	63555
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	10/26/2021 12:34:25 PM	63555
Surr: DNOP	80.0	70-130		%Rec	1	10/26/2021 12:34:25 PM	63555
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	730	16		mg/Kg	5	10/26/2021 12:26:57 PM	G82361
Surr: BFB	699	70-130	S	%Rec	5	10/26/2021 12:26:57 PM	G82361
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	1.1	0.082		mg/Kg	5	10/26/2021 12:26:57 PM	B82361
Toluene	20	1.6		mg/Kg	50	10/26/2021 7:28:58 PM	B82361
Ethylbenzene	7.5	0.16		mg/Kg	5	10/26/2021 12:26:57 PM	B82361
Xylenes, Total	52	3.3		mg/Kg	50	10/26/2021 7:28:58 PM	B82361
Surr: 4-Bromofluorobenzene	155	70-130	S	%Rec	5	10/26/2021 12:26:57 PM	B82361

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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## Analytical Report

Lab Order 2110B72

Date Reported: 11/2/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-11

Project: Douthit Federal 6

Collection Date: 10/25/2021 1:45:00 PM

Lab ID: 2110B72-009

Matrix: MEOH (SOIL)

Received Date: 10/26/2021 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	ND	59		mg/Kg	20	10/26/2021 12:53:56 PM	63563
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	240	9.7		mg/Kg	1	10/26/2021 12:45:12 PM	63555
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/26/2021 12:45:12 PM	63555
Surr: DNOP	80.2	70-130		%Rec	1	10/26/2021 12:45:12 PM	63555
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	1100	17		mg/Kg	5	10/26/2021 1:14:02 PM	G82361
Surr: BFB	764	70-130	S	%Rec	5	10/26/2021 1:14:02 PM	G82361
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	2.6	0.087		mg/Kg	5	10/26/2021 1:14:02 PM	B82361
Toluene	51	1.7		mg/Kg	50	10/26/2021 7:52:29 PM	B82361
Ethylbenzene	12	0.17		mg/Kg	5	10/26/2021 1:14:02 PM	B82361
Xylenes, Total	110	3.5		mg/Kg	50	10/26/2021 7:52:29 PM	B82361
Surr: 4-Bromofluorobenzene	160	70-130	S	%Rec	5	10/26/2021 1:14:02 PM	B82361

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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## Analytical Report

Lab Order 2110B72

Date Reported: 11/2/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-12

Project: Douthit Federal 6

Collection Date: 10/25/2021 1:50:00 PM

Lab ID: 2110B72-010

Matrix: MEOH (SOIL)

Received Date: 10/26/2021 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	ND	60		mg/Kg	20	10/26/2021 1:06:19 PM	63563
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	39	9.8		mg/Kg	1	10/26/2021 12:55:59 PM	63555
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/26/2021 12:55:59 PM	63555
Surr: DNOP	82.9	70-130		%Rec	1	10/26/2021 12:55:59 PM	63555
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	230	19		mg/Kg	5	10/26/2021 1:37:33 PM	G82361
Surr: BFB	290	70-130	S	%Rec	5	10/26/2021 1:37:33 PM	G82361
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	0.39	0.095		mg/Kg	5	10/26/2021 1:37:33 PM	B82361
Toluene	7.2	0.19		mg/Kg	5	10/26/2021 1:37:33 PM	B82361
Ethylbenzene	1.8	0.19		mg/Kg	5	10/26/2021 1:37:33 PM	B82361
Xylenes, Total	17	0.38		mg/Kg	5	10/26/2021 1:37:33 PM	B82361
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	5	10/26/2021 1:37:33 PM	B82361

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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## Analytical Report

Lab Order 2110B72

Date Reported: 11/2/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-13

Project: Douthit Federal 6

Collection Date: 10/25/2021 1:55:00 PM

Lab ID: 2110B72-011

Matrix: MEOH (SOIL)

Received Date: 10/26/2021 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	ND	60		mg/Kg	20	10/26/2021 1:18:41 PM	63563
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	81	9.5		mg/Kg	1	10/29/2021 10:36:23 AM	63555
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/29/2021 10:36:23 AM	63555
Surr: DNOP	98.2	70-130		%Rec	1	10/29/2021 10:36:23 AM	63555
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	1100	17		mg/Kg	5	10/26/2021 2:01:02 PM	G82361
Surr: BFB	830	70-130	S	%Rec	5	10/26/2021 2:01:02 PM	G82361
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	4.2	0.085		mg/Kg	5	10/26/2021 2:01:02 PM	B82361
Toluene	51	1.7		mg/Kg	50	10/26/2021 8:15:47 PM	B82361
Ethylbenzene	8.8	0.17		mg/Kg	5	10/26/2021 2:01:02 PM	B82361
Xylenes, Total	73	3.4		mg/Kg	50	10/26/2021 8:15:47 PM	B82361
Surr: 4-Bromofluorobenzene	153	70-130	S	%Rec	5	10/26/2021 2:01:02 PM	B82361

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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## Analytical Report

Lab Order 2110B72

Date Reported: 11/2/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-14

Project: Douthit Federal 6

Collection Date: 10/25/2021 2:00:00 PM

Lab ID: 2110B72-012

Matrix: MEOH (SOIL)

Received Date: 10/26/2021 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	150	60		mg/Kg	20	10/26/2021 1:55:44 PM	63563
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	10/26/2021 11:56:56 AM	63555
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/26/2021 11:56:56 AM	63555
Surr: DNOP	91.6	70-130		%Rec	1	10/26/2021 11:56:56 AM	63555
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	3.5		mg/Kg	1	10/26/2021 2:24:29 PM	G82361
Surr: BFB	120	70-130		%Rec	1	10/26/2021 2:24:29 PM	G82361
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.017		mg/Kg	1	10/26/2021 2:24:29 PM	B82361
Toluene	ND	0.035		mg/Kg	1	10/26/2021 2:24:29 PM	B82361
Ethylbenzene	ND	0.035		mg/Kg	1	10/26/2021 2:24:29 PM	B82361
Xylenes, Total	ND	0.069		mg/Kg	1	10/26/2021 2:24:29 PM	B82361
Surr: 4-Bromofluorobenzene	83.9	70-130		%Rec	1	10/26/2021 2:24:29 PM	B82361

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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## Analytical Report

Lab Order 2110B72

Date Reported: 11/2/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-15

Project: Douthit Federal 6

Collection Date: 10/25/2021 2:05:00 PM

Lab ID: 2110B72-013

Matrix: MEOH (SOIL)

Received Date: 10/26/2021 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	140	60		mg/Kg	20	10/26/2021 2:08:06 PM	63563
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	10/26/2021 11:23:49 AM	63556
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/26/2021 11:23:49 AM	63556
Surr: DNOP	97.0	70-130		%Rec	1	10/26/2021 11:23:49 AM	63556
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	18		mg/Kg	5	10/26/2021 2:47:55 PM	G82361
Surr: BFB	110	70-130		%Rec	5	10/26/2021 2:47:55 PM	G82361
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.088		mg/Kg	5	10/26/2021 2:47:55 PM	B82361
Toluene	ND	0.18		mg/Kg	5	10/26/2021 2:47:55 PM	B82361
Ethylbenzene	ND	0.18		mg/Kg	5	10/26/2021 2:47:55 PM	B82361
Xylenes, Total	ND	0.35		mg/Kg	5	10/26/2021 2:47:55 PM	B82361
Surr: 4-Bromofluorobenzene	82.5	70-130		%Rec	5	10/26/2021 2:47:55 PM	B82361

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2110B72

02-Nov-21

**Client:** ENSOLUM**Project:** Douthit Federal 6

Sample ID: <b>MB-63563</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>63563</b>	RunNo: <b>82360</b>								
Prep Date: <b>10/26/2021</b>	Analysis Date: <b>10/26/2021</b>	SeqNo: <b>2921856</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-63563</b>	SampType: <b>lcs</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>63563</b>	RunNo: <b>82360</b>								
Prep Date: <b>10/26/2021</b>	Analysis Date: <b>10/26/2021</b>	SeqNo: <b>2921857</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	91.1	90	110			

Sample ID: <b>MB-63562</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>63562</b>	RunNo: <b>82359</b>								
Prep Date: <b>10/26/2021</b>	Analysis Date: <b>10/26/2021</b>	SeqNo: <b>2922227</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-63562</b>	SampType: <b>lcs</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>63562</b>	RunNo: <b>82359</b>								
Prep Date: <b>10/26/2021</b>	Analysis Date: <b>10/26/2021</b>	SeqNo: <b>2922228</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.1	90	110			

**Qualifiers:**

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Limit

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2110B72

02-Nov-21

**Client:** ENSOLUM**Project:** Douthit Federal 6

Sample ID: <b>LCS-63555</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>63555</b>	RunNo: <b>82349</b>								
Prep Date: <b>10/26/2021</b>	Analysis Date: <b>10/26/2021</b>	SeqNo: <b>2920532</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	10	50.00	0	97.1	68.9	135			
Surr: DNOP	4.6		5.000		91.7	70	130			

Sample ID: <b>MB-63555</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>63555</b>	RunNo: <b>82349</b>								
Prep Date: <b>10/26/2021</b>	Analysis Date: <b>10/26/2021</b>	SeqNo: <b>2920533</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.8		10.00		87.6	70	130			

Sample ID: <b>2110B72-013AMS</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>S-15</b>	Batch ID: <b>63556</b>	RunNo: <b>82354</b>								
Prep Date: <b>10/26/2021</b>	Analysis Date: <b>10/26/2021</b>	SeqNo: <b>2920787</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	10	49.75	0	96.8	39.3	155			
Surr: DNOP	4.8		4.975		96.2	70	130			

Sample ID: <b>2110B72-013AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>S-15</b>	Batch ID: <b>63556</b>	RunNo: <b>82354</b>								
Prep Date: <b>10/26/2021</b>	Analysis Date: <b>10/26/2021</b>	SeqNo: <b>2920788</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	9.8	49.21	0	98.2	39.3	155	0.320	23.4	
Surr: DNOP	4.8		4.921		97.9	70	130	0	0	

Sample ID: <b>LCS-63556</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>63556</b>	RunNo: <b>82354</b>								
Prep Date: <b>10/26/2021</b>	Analysis Date: <b>10/26/2021</b>	SeqNo: <b>2920789</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	10	50.00	0	100	68.9	135			
Surr: DNOP	5.0		5.000		101	70	130			

**Qualifiers:**

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Limit

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# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2110B72

02-Nov-21

Client: ENSOLUM

Project: Douthit Federal 6

Sample ID: <b>MB-63556</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>63556</b>	RunNo: <b>82354</b>								
Prep Date: <b>10/26/2021</b>	Analysis Date: <b>10/26/2021</b>	SeqNo: <b>2920790</b>		Units: <b>mg/Kg</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.7		10.00		96.6	70	130			

### Qualifiers:

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Limit

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**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2110B72

02-Nov-21

**Client:** ENSOLUM**Project:** Douthit Federal 6

Sample ID: <b>mb</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>PBS</b>	Batch ID: <b>G82361</b>		RunNo: <b>82361</b>							
Prep Date:	Analysis Date: <b>10/26/2021</b>		SeqNo: <b>2921248</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		105	70	130			

Sample ID: <b>2.5ug gro lcs</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>G82361</b>		RunNo: <b>82361</b>							
Prep Date:	Analysis Date: <b>10/26/2021</b>		SeqNo: <b>2921249</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28	5.0	25.00	0	113	78.6	131			
Surr: BFB	1200		1000		115	70	130			

Sample ID: <b>2110b72-001ams</b>	SampType: <b>MS</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>S-3</b>	Batch ID: <b>G82361</b>		RunNo: <b>82361</b>							
Prep Date:	Analysis Date: <b>10/26/2021</b>		SeqNo: <b>2921250</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	18	3.5	17.49	0	103	61.3	114			
Surr: BFB	790		699.8		112	70	130			

Sample ID: <b>2110b72-001amsd</b>	SampType: <b>MSD</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>S-3</b>	Batch ID: <b>G82361</b>		RunNo: <b>82361</b>							
Prep Date:	Analysis Date: <b>10/26/2021</b>		SeqNo: <b>2921251</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	3.5	17.49	0	123	61.3	114	17.8	20	S
Surr: BFB	790		699.8		112	70	130	0	0	

**Qualifiers:**

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Limit

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2110B72

02-Nov-21

**Client:** ENSOLUM**Project:** Douthit Federal 6

Sample ID: <b>mb</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>B82361</b>	RunNo: <b>82361</b>								
Prep Date:	Analysis Date: <b>10/26/2021</b>	SeqNo: <b>2921279</b>		Units: <b>mg/Kg</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.86		1.000		85.9	70	130			

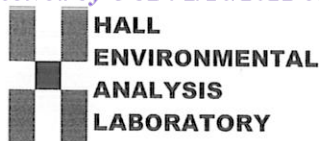
Sample ID: <b>100ng btex lcs</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>B82361</b>	RunNo: <b>82361</b>								
Prep Date:	Analysis Date: <b>10/26/2021</b>	SeqNo: <b>2921280</b>		Units: <b>mg/Kg</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.025	1.000	0	91.0	80	120			
Toluene	0.93	0.050	1.000	0	93.5	80	120			
Ethylbenzene	0.93	0.050	1.000	0	92.9	80	120			
Xylenes, Total	2.7	0.10	3.000	0	91.1	80	120			
Surr: 4-Bromofluorobenzene	0.85		1.000		84.8	70	130			

Sample ID: <b>2110b72-002ams</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>S-4</b>	Batch ID: <b>B82361</b>	RunNo: <b>82361</b>								
Prep Date:	Analysis Date: <b>10/26/2021</b>	SeqNo: <b>2921281</b>		Units: <b>mg/Kg</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.51	0.015	0.5928	0	85.4	80	120			
Toluene	0.53	0.030	0.5928	0	88.8	80	120			
Ethylbenzene	0.52	0.030	0.5928	0	87.3	80	120			
Xylenes, Total	1.5	0.059	1.778	0	85.6	80	120			
Surr: 4-Bromofluorobenzene	0.49		0.5928		82.6	70	130			

**Qualifiers:**

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Limit



Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: clients.hallenvironmental.com

## Sample Log-In Check List

Client Name: ENSOLUM

Work Order Number: 2110B72

RcptNo: 1

Received By: Cheyenne Cason 10/26/2021 7:15:00 AM

Completed By: Desiree Dominguez 10/26/2021 8:21:56 AM

Reviewed By: JR 10/26/21

### Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Courier

### Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of  $>0^{\circ}\text{C}$  to  $6.0^{\circ}\text{C}$ ? Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace  $<1/4"$  for AQ VOA? Yes ☐ No ☐ NA ☒
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?  
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?  
(If no, notify customer for authorization.) Yes ☒ No ☐

# of preserved  
bottles checked  
for pH:

( $<2$  or  $>12$  unless noted)

Adjusted? \_\_\_\_\_

Checked by: TMC 10/26/21

### Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified: \_\_\_\_\_ Date: \_\_\_\_\_  
By Whom: \_\_\_\_\_ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person  
Regarding: \_\_\_\_\_  
Client Instructions: \_\_\_\_\_

16. Additional remarks:

### 17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	4.6	Good				
2	5.3	Good				

## Chain-of-Custody Record

Turn-Around Time:

SAME DAY

Client:

Ensolum, LLC

☐ Standard☒ Rush 100%

Project Name:

Douthitt Federal 6

Mailing Address:

1006 S. Rio Grande Suite A

Project #:

See notes

Phone #:

email or Fax#: ksummer@ensolum.com

Project Manager: ksummer

QA/QC Package:

☐ Standard☐ Level 4 (Full Validation)Accreditation: ☐ Az Compliance☐ NELAC☐ Other☐ EDD (Type)

Sampler: R Dechilly

On Ice: ☒ Yes☒ No

# of Coolers: 2 4.6-0 = 4.6

Cooler Temp (including CF): 5.3-0 = 5.3 (°C)

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX / -MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>4</sub>	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	Chloride
10/25/21	1305	S	S-3	1x 4oz Jar	cool	-001	X	X								X	
10/25/21	1310	S	S-4	1x 4oz Jar	cool	-002	X	X								X	
10/25/21	1315	S	S-5	1x 4oz Jar	cool	-003	X	X								X	
10/25/21	1320	S	S-6	1x 4oz Jar	cool	-004	X	X								X	
10/25/21	1325	S	S-7	1x 4oz Jar	cool	-005	X	X								X	
10/25/21	1330	S	S-8	1x 4oz Jar	cool	-006	X	X								X	
10/25/21	1335	S	S-9	1x 4oz Jar	cool	-007	X	X								X	
10/25/21	1340	S	S-10	1x 4oz Jar	cool	-008	X	X								X	
10/25/21	1345	S	S-11	1x 4oz Jar	cool	-009	X	X								X	
10/25/21	1350	S	S-12	1x 4oz Jar	cool	-010	X	X								X	
10/25/21	1355	S	S-13	1x 4oz Jar	cool	-011	X	X								X	
10/25/21	1400	S	S-14	1x 4oz Jar	cool	-012	X	X								X	

Date: 10/25/21 Time: 1600 Relinquished by: [Signature]

Received by: [Signature] Via: [Signature] Date: 10/25/21 Time: 1600

Remarks:

SAME DAY

PM (Tom Long - EPR00)  
Day Key - RB21200  
Non AFE N55008

Date: 10/25/21 Time: 1930 Relinquished by: [Signature]

Received by: [Signature] Via: [Signature] Date: 10/26/21 Time: 0715

See Court 10/26/21 0700

## HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

## Analysis Request

BTEX / -MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>4</sub>	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	Chloride
X	X								X	
X	X								X	
X	X								X	
X	X								X	
X	X								X	
X	X								X	
X	X								X	
X	X								X	
X	X								X	
X	X								X	
X	X								X	



[illegible]

Tel. 505-345-3975      Fax 505-345-4107

[illegible]

Remarks:	PM - Tom Long (EPR00) PAY KEY - RB21200 NDA AFE - N55608
----------	--

Client: Ensolum, LLC

Mailing Address: 6006 S. Rio Grande Suite A  
Aztec, NM 87416

Phone #: \_\_\_\_\_

email or Fax#: RSummers@ensolum.com

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance  
☐ NELAC ☐ Other \_\_\_\_\_

☐ EDD (Type) \_\_\_\_\_

[illegible]

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: [clients.hallenvironmental.com](http://clients.hallenvironmental.com)

November 05, 2021

Kyle Summers

ENSOLUM

606 S. Rio Grande Suite A

Aztec, NM 87410

TEL: (903) 821-5603

FAX:

RE: Douthit Federal 6

OrderNo.: 2111125

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 23 sample(s) on 11/3/2021 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to [www.hallenvironmental.com](http://www.hallenvironmental.com) or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a white background.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

## Analytical Report

Lab Order 2111125

Date Reported: 11/5/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-16

Project: Douthit Federal 6

Collection Date: 11/2/2021 10:05:00 AM

Lab ID: 2111125-001

Matrix: MEOH (SOIL)

Received Date: 11/3/2021 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	ND	60		mg/Kg	20	11/3/2021 10:35:07 AM	63727
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	25	9.3		mg/Kg	1	11/3/2021 10:57:21 AM	63724
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	11/3/2021 10:57:21 AM	63724
Surr: DNOP	77.8	70-130		%Rec	1	11/3/2021 10:57:21 AM	63724
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: mb
Gasoline Range Organics (GRO)	340	18		mg/Kg	5	11/3/2021 9:22:00 AM	R82537
Surr: BFB	353	70-130	S	%Rec	5	11/3/2021 9:22:00 AM	R82537
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: mb
Benzene	2.5	0.092		mg/Kg	5	11/3/2021 9:22:00 AM	R82537
Toluene	21	0.74		mg/Kg	20	11/3/2021 2:34:00 PM	R82537
Ethylbenzene	8.2	0.18		mg/Kg	5	11/3/2021 9:22:00 AM	R82537
Xylenes, Total	51	1.5		mg/Kg	20	11/3/2021 2:34:00 PM	R82537
Surr: 4-Bromofluorobenzene	158	70-130	S	%Rec	5	11/3/2021 9:22:00 AM	R82537

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Page 1 of 30

## Analytical Report

Lab Order 2111125

Date Reported: 11/5/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-17

Project: Douthit Federal 6

Collection Date: 11/2/2021 10:10:00 AM

Lab ID: 2111125-002

Matrix: MEOH (SOIL)

Received Date: 11/3/2021 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	ND	60		mg/Kg	20	11/3/2021 10:47:31 AM	63727
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	22	9.6		mg/Kg	1	11/3/2021 11:09:24 AM	63724
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/3/2021 11:09:24 AM	63724
Surr: DNOP	84.6	70-130		%Rec	1	11/3/2021 11:09:24 AM	63724
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: mb
Gasoline Range Organics (GRO)	180	17		mg/Kg	5	11/3/2021 9:41:00 AM	R82537
Surr: BFB	294	70-130	S	%Rec	5	11/3/2021 9:41:00 AM	R82537
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: mb
Benzene	0.16	0.087		mg/Kg	5	11/3/2021 9:41:00 AM	R82537
Toluene	4.8	0.17		mg/Kg	5	11/3/2021 9:41:00 AM	R82537
Ethylbenzene	4.5	0.17		mg/Kg	5	11/3/2021 9:41:00 AM	R82537
Xylenes, Total	32	0.35		mg/Kg	5	11/3/2021 9:41:00 AM	R82537
Surr: 4-Bromofluorobenzene	152	70-130	S	%Rec	5	11/3/2021 9:41:00 AM	R82537

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Page 2 of 30



## Analytical Report

Lab Order 2111125

Date Reported: 11/5/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-18

Project: Douthit Federal 6

Collection Date: 11/2/2021 10:15:00 AM

Lab ID: 2111125-003

Matrix: MEOH (SOIL)

Received Date: 11/3/2021 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
Chloride	ND	60		mg/Kg	20	11/3/2021 10:59:55 AM	63727
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	11/3/2021 11:21:30 AM	63724
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	11/3/2021 11:21:30 AM	63724
Surr: DNOP	80.4	70-130		%Rec	1	11/3/2021 11:21:30 AM	63724
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	17		mg/Kg	5	11/3/2021 10:00:00 AM	R82537
Surr: BFB	114	70-130		%Rec	5	11/3/2021 10:00:00 AM	R82537
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.083		mg/Kg	5	11/3/2021 10:00:00 AM	R82537
Toluene	ND	0.17		mg/Kg	5	11/3/2021 10:00:00 AM	R82537
Ethylbenzene	ND	0.17		mg/Kg	5	11/3/2021 10:00:00 AM	R82537
Xylenes, Total	ND	0.33		mg/Kg	5	11/3/2021 10:00:00 AM	R82537
Surr: 4-Bromofluorobenzene	99.6	70-130		%Rec	5	11/3/2021 10:00:00 AM	R82537

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2111125

Date Reported: 11/5/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-19

Project: Douthit Federal 6

Collection Date: 11/2/2021 10:20:00 AM

Lab ID: 2111125-004

Matrix: MEOH (SOIL)

Received Date: 11/3/2021 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	ND	60		mg/Kg	20	11/3/2021 11:12:20 AM	63727
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	11/3/2021 11:33:53 AM	63724
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	11/3/2021 11:33:53 AM	63724
Surr: DNOP	86.5	70-130		%Rec	1	11/3/2021 11:33:53 AM	63724
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: mb
Gasoline Range Organics (GRO)	20	17		mg/Kg	5	11/3/2021 10:20:00 AM	R82537
Surr: BFB	125	70-130		%Rec	5	11/3/2021 10:20:00 AM	R82537
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: mb
Benzene	ND	0.087		mg/Kg	5	11/3/2021 10:20:00 AM	R82537
Toluene	ND	0.17		mg/Kg	5	11/3/2021 10:20:00 AM	R82537
Ethylbenzene	0.23	0.17		mg/Kg	5	11/3/2021 10:20:00 AM	R82537
Xylenes, Total	2.0	0.35		mg/Kg	5	11/3/2021 10:20:00 AM	R82537
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	5	11/3/2021 10:20:00 AM	R82537

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Page 4 of 30

## Analytical Report

Lab Order 2111125

Date Reported: 11/5/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-20

Project: Douthit Federal 6

Collection Date: 11/2/2021 10:25:00 AM

Lab ID: 2111125-005

Matrix: MEOH (SOIL)

Received Date: 11/3/2021 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	ND	60		mg/Kg	20	11/3/2021 11:24:45 AM	63727
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	11/3/2021 11:46:11 AM	63724
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	11/3/2021 11:46:11 AM	63724
Surr: DNOP	85.8	70-130		%Rec	1	11/3/2021 11:46:11 AM	63724
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: mb
Gasoline Range Organics (GRO)	20	19		mg/Kg	5	11/3/2021 10:39:00 AM	R82537
Surr: BFB	127	70-130		%Rec	5	11/3/2021 10:39:00 AM	R82537
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: mb
Benzene	ND	0.093		mg/Kg	5	11/3/2021 10:39:00 AM	R82537
Toluene	ND	0.19		mg/Kg	5	11/3/2021 10:39:00 AM	R82537
Ethylbenzene	ND	0.19		mg/Kg	5	11/3/2021 10:39:00 AM	R82537
Xylenes, Total	1.1	0.37		mg/Kg	5	11/3/2021 10:39:00 AM	R82537
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	5	11/3/2021 10:39:00 AM	R82537

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2111125

Date Reported: 11/5/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-21

Project: Douthit Federal 6

Collection Date: 11/2/2021 10:30:00 AM

Lab ID: 2111125-006

Matrix: MEOH (SOIL)

Received Date: 11/3/2021 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	ND	60		mg/Kg	20	11/3/2021 11:37:10 AM	63727
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	11/3/2021 11:58:48 AM	63724
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	11/3/2021 11:58:48 AM	63724
Surr: DNOP	84.6	70-130		%Rec	1	11/3/2021 11:58:48 AM	63724
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: mb
Gasoline Range Organics (GRO)	ND	18		mg/Kg	5	11/3/2021 10:59:00 AM	R82537
Surr: BFB	125	70-130		%Rec	5	11/3/2021 10:59:00 AM	R82537
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: mb
Benzene	ND	0.091		mg/Kg	5	11/3/2021 10:59:00 AM	R82537
Toluene	ND	0.18		mg/Kg	5	11/3/2021 10:59:00 AM	R82537
Ethylbenzene	ND	0.18		mg/Kg	5	11/3/2021 10:59:00 AM	R82537
Xylenes, Total	1.3	0.36		mg/Kg	5	11/3/2021 10:59:00 AM	R82537
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	5	11/3/2021 10:59:00 AM	R82537

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2111125

Date Reported: 11/5/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-22

Project: Douthit Federal 6

Collection Date: 11/2/2021 10:35:00 AM

Lab ID: 2111125-007

Matrix: MEOH (SOIL)

Received Date: 11/3/2021 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	ND	60		mg/Kg	20	11/3/2021 12:14:24 PM	63727
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	11/3/2021 12:11:27 PM	63724
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/3/2021 12:11:27 PM	63724
Surr: DNOP	81.3	70-130		%Rec	1	11/3/2021 12:11:27 PM	63724
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: mb
Gasoline Range Organics (GRO)	ND	16		mg/Kg	5	11/3/2021 11:18:00 AM	R82537
Surr: BFB	101	70-130		%Rec	5	11/3/2021 11:18:00 AM	R82537
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: mb
Benzene	ND	0.078		mg/Kg	5	11/3/2021 11:18:00 AM	R82537
Toluene	ND	0.16		mg/Kg	5	11/3/2021 11:18:00 AM	R82537
Ethylbenzene	ND	0.16		mg/Kg	5	11/3/2021 11:18:00 AM	R82537
Xylenes, Total	ND	0.31		mg/Kg	5	11/3/2021 11:18:00 AM	R82537
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	5	11/3/2021 11:18:00 AM	R82537

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2111125

Date Reported: 11/5/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-23

Project: Douthit Federal 6

Collection Date: 11/2/2021 10:40:00 AM

Lab ID: 2111125-008

Matrix: MEOH (SOIL)

Received Date: 11/3/2021 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	ND	60		mg/Kg	20	11/3/2021 12:26:49 PM	63727
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	11/3/2021 12:24:13 PM	63724
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	11/3/2021 12:24:13 PM	63724
Surr: DNOP	85.8	70-130		%Rec	1	11/3/2021 12:24:13 PM	63724
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: mb
Gasoline Range Organics (GRO)	ND	15		mg/Kg	5	11/3/2021 11:38:00 AM	R82537
Surr: BFB	104	70-130		%Rec	5	11/3/2021 11:38:00 AM	R82537
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: mb
Benzene	ND	0.077		mg/Kg	5	11/3/2021 11:38:00 AM	R82537
Toluene	ND	0.15		mg/Kg	5	11/3/2021 11:38:00 AM	R82537
Ethylbenzene	ND	0.15		mg/Kg	5	11/3/2021 11:38:00 AM	R82537
Xylenes, Total	ND	0.31		mg/Kg	5	11/3/2021 11:38:00 AM	R82537
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	5	11/3/2021 11:38:00 AM	R82537

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2111125

Date Reported: 11/5/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-24

Project: Douthit Federal 6

Collection Date: 11/2/2021 10:45:00 AM

Lab ID: 2111125-009

Matrix: MEOH (SOIL)

Received Date: 11/3/2021 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	ND	60		mg/Kg	20	11/3/2021 12:39:13 PM	63727
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.0		mg/Kg	1	11/3/2021 12:36:54 PM	63724
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	11/3/2021 12:36:54 PM	63724
Surr: DNOP	83.2	70-130		%Rec	1	11/3/2021 12:36:54 PM	63724
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: mb
Gasoline Range Organics (GRO)	ND	16		mg/Kg	5	11/3/2021 11:57:00 AM	R82537
Surr: BFB	104	70-130		%Rec	5	11/3/2021 11:57:00 AM	R82537
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: mb
Benzene	ND	0.081		mg/Kg	5	11/3/2021 11:57:00 AM	R82537
Toluene	ND	0.16		mg/Kg	5	11/3/2021 11:57:00 AM	R82537
Ethylbenzene	ND	0.16		mg/Kg	5	11/3/2021 11:57:00 AM	R82537
Xylenes, Total	ND	0.32		mg/Kg	5	11/3/2021 11:57:00 AM	R82537
Surr: 4-Bromofluorobenzene	108	70-130		%Rec	5	11/3/2021 11:57:00 AM	R82537

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2111125

Date Reported: 11/5/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-25

Project: Douthit Federal 6

Collection Date: 11/2/2021 10:50:00 AM

Lab ID: 2111125-010

Matrix: MEOH (SOIL)

Received Date: 11/3/2021 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	ND	60		mg/Kg	20	11/3/2021 12:51:38 PM	63727
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	11/3/2021 12:49:54 PM	63724
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/3/2021 12:49:54 PM	63724
Surr: DNOP	84.7	70-130		%Rec	1	11/3/2021 12:49:54 PM	63724
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: mb
Gasoline Range Organics (GRO)	ND	19		mg/Kg	5	11/3/2021 12:37:00 PM	R82537
Surr: BFB	103	70-130		%Rec	5	11/3/2021 12:37:00 PM	R82537
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: mb
Benzene	ND	0.096		mg/Kg	5	11/3/2021 12:37:00 PM	R82537
Toluene	ND	0.19		mg/Kg	5	11/3/2021 12:37:00 PM	R82537
Ethylbenzene	ND	0.19		mg/Kg	5	11/3/2021 12:37:00 PM	R82537
Xylenes, Total	ND	0.38		mg/Kg	5	11/3/2021 12:37:00 PM	R82537
Surr: 4-Bromofluorobenzene	109	70-130		%Rec	5	11/3/2021 12:37:00 PM	R82537

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2111125

Date Reported: 11/5/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-26

Project: Douthit Federal 6

Collection Date: 11/2/2021 10:55:00 AM

Lab ID: 2111125-011

Matrix: MEOH (SOIL)

Received Date: 11/3/2021 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
Chloride	ND	60		mg/Kg	20	11/3/2021 1:04:03 PM	63727
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	11/3/2021 1:02:49 PM	63724
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	11/3/2021 1:02:49 PM	63724
Surr: DNOP	87.2	70-130		%Rec	1	11/3/2021 1:02:49 PM	63724
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	3.3		mg/Kg	1	11/3/2021 12:56:00 PM	R82537
Surr: BFB	110	70-130		%Rec	1	11/3/2021 12:56:00 PM	R82537
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.016		mg/Kg	1	11/3/2021 12:56:00 PM	R82537
Toluene	ND	0.033		mg/Kg	1	11/3/2021 12:56:00 PM	R82537
Ethylbenzene	ND	0.033		mg/Kg	1	11/3/2021 12:56:00 PM	R82537
Xylenes, Total	ND	0.066		mg/Kg	1	11/3/2021 12:56:00 PM	R82537
Surr: 4-Bromofluorobenzene	108	70-130		%Rec	1	11/3/2021 12:56:00 PM	R82537

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2111125

Date Reported: 11/5/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-27

Project: Douthit Federal 6

Collection Date: 11/2/2021 11:00:00 AM

Lab ID: 2111125-012

Matrix: MEOH (SOIL)

Received Date: 11/3/2021 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	92	60		mg/Kg	20	11/3/2021 10:45:14 AM	63728
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.0		mg/Kg	1	11/3/2021 1:16:12 PM	63724
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	11/3/2021 1:16:12 PM	63724
Surr: DNOP	91.4	70-130		%Rec	1	11/3/2021 1:16:12 PM	63724
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	3.1		mg/Kg	1	11/3/2021 1:16:00 PM	R82537
Surr: BFB	94.6	70-130		%Rec	1	11/3/2021 1:16:00 PM	R82537
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.015		mg/Kg	1	11/3/2021 1:16:00 PM	R82537
Toluene	ND	0.031		mg/Kg	1	11/3/2021 1:16:00 PM	R82537
Ethylbenzene	ND	0.031		mg/Kg	1	11/3/2021 1:16:00 PM	R82537
Xylenes, Total	ND	0.062		mg/Kg	1	11/3/2021 1:16:00 PM	R82537
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	11/3/2021 1:16:00 PM	R82537

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2111125

Date Reported: 11/5/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-28

Project: Douthit Federal 6

Collection Date: 11/2/2021 11:05:00 AM

Lab ID: 2111125-013

Matrix: MEOH (SOIL)

Received Date: 11/3/2021 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	ND	60		mg/Kg	20	11/3/2021 10:57:39 AM	63728
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	11/3/2021 1:29:21 PM	63724
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	11/3/2021 1:29:21 PM	63724
Surr: DNOP	90.4	70-130		%Rec	1	11/3/2021 1:29:21 PM	63724
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	3.5		mg/Kg	1	11/3/2021 1:36:00 PM	R82537
Surr: BFB	101	70-130		%Rec	1	11/3/2021 1:36:00 PM	R82537
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.018		mg/Kg	1	11/3/2021 1:36:00 PM	R82537
Toluene	ND	0.035		mg/Kg	1	11/3/2021 1:36:00 PM	R82537
Ethylbenzene	ND	0.035		mg/Kg	1	11/3/2021 1:36:00 PM	R82537
Xylenes, Total	ND	0.071		mg/Kg	1	11/3/2021 1:36:00 PM	R82537
Surr: 4-Bromofluorobenzene	107	70-130		%Rec	1	11/3/2021 1:36:00 PM	R82537

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2111125

Date Reported: 11/5/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-29

Project: Douthit Federal 6

Collection Date: 11/2/2021 11:10:00 AM

Lab ID: 2111125-014

Matrix: MEOH (SOIL)

Received Date: 11/3/2021 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	ND	60		mg/Kg	20	11/3/2021 11:10:03 AM	63728
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	11/3/2021 1:42:40 PM	63724
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	11/3/2021 1:42:40 PM	63724
Surr: DNOP	91.0	70-130		%Rec	1	11/3/2021 1:42:40 PM	63724
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	3.0		mg/Kg	1	11/3/2021 1:55:00 PM	R82537
Surr: BFB	95.3	70-130		%Rec	1	11/3/2021 1:55:00 PM	R82537
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.015		mg/Kg	1	11/3/2021 1:55:00 PM	R82537
Toluene	ND	0.030		mg/Kg	1	11/3/2021 1:55:00 PM	R82537
Ethylbenzene	ND	0.030		mg/Kg	1	11/3/2021 1:55:00 PM	R82537
Xylenes, Total	ND	0.060		mg/Kg	1	11/3/2021 1:55:00 PM	R82537
Surr: 4-Bromofluorobenzene	97.4	70-130		%Rec	1	11/3/2021 1:55:00 PM	R82537

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2111125

Date Reported: 11/5/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-30

Project: Douthit Federal 6

Collection Date: 11/2/2021 11:15:00 AM

Lab ID: 2111125-015

Matrix: MEOH (SOIL)

Received Date: 11/3/2021 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	72	60		mg/Kg	20	11/3/2021 11:22:27 AM	63728
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	7.9		mg/Kg	1	11/3/2021 1:54:51 PM	63724
Motor Oil Range Organics (MRO)	ND	40		mg/Kg	1	11/3/2021 1:54:51 PM	63724
Surr: DNOP	89.6	70-130		%Rec	1	11/3/2021 1:54:51 PM	63724
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	17		mg/Kg	5	11/3/2021 2:15:00 PM	R82537
Surr: BFB	94.5	70-130		%Rec	5	11/3/2021 2:15:00 PM	R82537
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.084		mg/Kg	5	11/3/2021 2:15:00 PM	R82537
Toluene	ND	0.17		mg/Kg	5	11/3/2021 2:15:00 PM	R82537
Ethylbenzene	ND	0.17		mg/Kg	5	11/3/2021 2:15:00 PM	R82537
Xylenes, Total	ND	0.33		mg/Kg	5	11/3/2021 2:15:00 PM	R82537
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	5	11/3/2021 2:15:00 PM	R82537

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2111125

Date Reported: 11/5/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-31

Project: Douthit Federal 6

Collection Date: 11/2/2021 11:20:00 AM

Lab ID: 2111125-016

Matrix: MEOH (SOIL)

Received Date: 11/3/2021 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	ND	60		mg/Kg	20	11/3/2021 11:34:51 AM	63728
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	11/3/2021 12:57:32 PM	63724
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	11/3/2021 12:57:32 PM	63724
Surr: DNOP	97.4	70-130		%Rec	1	11/3/2021 12:57:32 PM	63724
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	16		mg/Kg	5	11/3/2021 12:26:30 PM	B82558
Surr: BFB	99.6	70-130		%Rec	5	11/3/2021 12:26:30 PM	B82558
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.079		mg/Kg	5	11/3/2021 12:26:30 PM	D82558
Toluene	ND	0.16		mg/Kg	5	11/3/2021 12:26:30 PM	D82558
Ethylbenzene	ND	0.16		mg/Kg	5	11/3/2021 12:26:30 PM	D82558
Xylenes, Total	ND	0.31		mg/Kg	5	11/3/2021 12:26:30 PM	D82558
Surr: 4-Bromofluorobenzene	98.1	70-130		%Rec	5	11/3/2021 12:26:30 PM	D82558

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2111125

Date Reported: 11/5/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-32

Project: Douthit Federal 6

Collection Date: 11/2/2021 11:25:00 AM

Lab ID: 2111125-017

Matrix: MEOH (SOIL)

Received Date: 11/3/2021 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	ND	60		mg/Kg	20	11/3/2021 11:47:16 AM	63728
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	11/3/2021 1:21:34 PM	63724
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/3/2021 1:21:34 PM	63724
Surr: DNOP	98.3	70-130		%Rec	1	11/3/2021 1:21:34 PM	63724
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.7		mg/Kg	1	11/3/2021 12:50:07 PM	B82558
Surr: BFB	97.4	70-130		%Rec	1	11/3/2021 12:50:07 PM	B82558
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.018		mg/Kg	1	11/3/2021 12:50:07 PM	D82558
Toluene	ND	0.037		mg/Kg	1	11/3/2021 12:50:07 PM	D82558
Ethylbenzene	ND	0.037		mg/Kg	1	11/3/2021 12:50:07 PM	D82558
Xylenes, Total	ND	0.073		mg/Kg	1	11/3/2021 12:50:07 PM	D82558
Surr: 4-Bromofluorobenzene	96.0	70-130		%Rec	1	11/3/2021 12:50:07 PM	D82558

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

## Analytical Report

Lab Order 2111125

Date Reported: 11/5/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-33

Project: Douthit Federal 6

Collection Date: 11/2/2021 11:30:00 AM

Lab ID: 2111125-018

Matrix: MEOH (SOIL)

Received Date: 11/3/2021 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	ND	60		mg/Kg	20	11/3/2021 12:24:30 PM	63728
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	11/3/2021 1:45:39 PM	63724
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	11/3/2021 1:45:39 PM	63724
Surr: DNOP	100	70-130		%Rec	1	11/3/2021 1:45:39 PM	63724
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.9		mg/Kg	1	11/3/2021 1:13:30 PM	B82558
Surr: BFB	98.0	70-130		%Rec	1	11/3/2021 1:13:30 PM	B82558
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.020		mg/Kg	1	11/3/2021 1:13:30 PM	D82558
Toluene	ND	0.039		mg/Kg	1	11/3/2021 1:13:30 PM	D82558
Ethylbenzene	ND	0.039		mg/Kg	1	11/3/2021 1:13:30 PM	D82558
Xylenes, Total	ND	0.078		mg/Kg	1	11/3/2021 1:13:30 PM	D82558
Surr: 4-Bromofluorobenzene	96.5	70-130		%Rec	1	11/3/2021 1:13:30 PM	D82558

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2111125

Date Reported: 11/5/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-34

Project: Douthit Federal 6

Collection Date: 11/2/2021 11:35:00 AM

Lab ID: 2111125-019

Matrix: MEOH (SOIL)

Received Date: 11/3/2021 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	ND	60		mg/Kg	20	11/3/2021 12:36:54 PM	63728
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	11/3/2021 1:01:51 PM	63724
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	11/3/2021 1:01:51 PM	63724
Surr: DNOP	88.7	70-130		%Rec	1	11/3/2021 1:01:51 PM	63724
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.3		mg/Kg	1	11/3/2021 10:05:31 AM	B82558
Surr: BFB	98.0	70-130		%Rec	1	11/3/2021 10:05:31 AM	B82558
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.016		mg/Kg	1	11/3/2021 10:05:31 AM	D82558
Toluene	ND	0.033		mg/Kg	1	11/3/2021 10:05:31 AM	D82558
Ethylbenzene	ND	0.033		mg/Kg	1	11/3/2021 10:05:31 AM	D82558
Xylenes, Total	ND	0.066		mg/Kg	1	11/3/2021 10:05:31 AM	D82558
Surr: 4-Bromofluorobenzene	99.1	70-130		%Rec	1	11/3/2021 10:05:31 AM	D82558

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2111125

Date Reported: 11/5/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-35

Project: Douthit Federal 6

Collection Date: 11/2/2021 11:40:00 AM

Lab ID: 2111125-020

Matrix: MEOH (SOIL)

Received Date: 11/3/2021 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	91	60		mg/Kg	20	11/3/2021 12:49:19 PM	63728
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	11/3/2021 1:26:04 PM	63724
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	11/3/2021 1:26:04 PM	63724
Surr: DNOP	93.3	70-130		%Rec	1	11/3/2021 1:26:04 PM	63724
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.7		mg/Kg	1	11/3/2021 10:29:01 AM	B82558
Surr: BFB	98.6	70-130		%Rec	1	11/3/2021 10:29:01 AM	B82558
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.018		mg/Kg	1	11/3/2021 10:29:01 AM	D82558
Toluene	ND	0.037		mg/Kg	1	11/3/2021 10:29:01 AM	D82558
Ethylbenzene	ND	0.037		mg/Kg	1	11/3/2021 10:29:01 AM	D82558
Xylenes, Total	ND	0.073		mg/Kg	1	11/3/2021 10:29:01 AM	D82558
Surr: 4-Bromofluorobenzene	99.1	70-130		%Rec	1	11/3/2021 10:29:01 AM	D82558

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2111125

Date Reported: 11/5/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-36

Project: Douthit Federal 6

Collection Date: 11/2/2021 11:45:00 AM

Lab ID: 2111125-021

Matrix: MEOH (SOIL)

Received Date: 11/3/2021 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	ND	60		mg/Kg	20	11/3/2021 1:01:43 PM	63728
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	11/3/2021 2:57:49 PM	63723
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	11/3/2021 2:57:49 PM	63723
Surr: DNOP	95.5	70-130		%Rec	1	11/3/2021 2:57:49 PM	63723
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.4		mg/Kg	1	11/3/2021 10:52:34 AM	B82558
Surr: BFB	98.8	70-130		%Rec	1	11/3/2021 10:52:34 AM	B82558
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.017		mg/Kg	1	11/3/2021 10:52:34 AM	D82558
Toluene	ND	0.034		mg/Kg	1	11/3/2021 10:52:34 AM	D82558
Ethylbenzene	ND	0.034		mg/Kg	1	11/3/2021 10:52:34 AM	D82558
Xylenes, Total	ND	0.067		mg/Kg	1	11/3/2021 10:52:34 AM	D82558
Surr: 4-Bromofluorobenzene	99.4	70-130		%Rec	1	11/3/2021 10:52:34 AM	D82558

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2111125

Date Reported: 11/5/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-37

Project: Douthit Federal 6

Collection Date: 11/2/2021 11:50:00 AM

Lab ID: 2111125-022

Matrix: MEOH (SOIL)

Received Date: 11/3/2021 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	120	60		mg/Kg	20	11/3/2021 1:14:08 PM	63728
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	11/3/2021 3:21:47 PM	63723
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	11/3/2021 3:21:47 PM	63723
Surr: DNOP	94.1	70-130		%Rec	1	11/3/2021 3:21:47 PM	63723
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.3		mg/Kg	1	11/3/2021 11:16:04 AM	B82558
Surr: BFB	97.9	70-130		%Rec	1	11/3/2021 11:16:04 AM	B82558
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.016		mg/Kg	1	11/3/2021 11:16:04 AM	D82558
Toluene	ND	0.033		mg/Kg	1	11/3/2021 11:16:04 AM	D82558
Ethylbenzene	ND	0.033		mg/Kg	1	11/3/2021 11:16:04 AM	D82558
Xylenes, Total	ND	0.066		mg/Kg	1	11/3/2021 11:16:04 AM	D82558
Surr: 4-Bromofluorobenzene	96.9	70-130		%Rec	1	11/3/2021 11:16:04 AM	D82558

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2111125

Date Reported: 11/5/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-38

Project: Douthit Federal 6

Collection Date: 11/2/2021 11:55:00 AM

Lab ID: 2111125-023

Matrix: MEOH (SOIL)

Received Date: 11/3/2021 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	370	60		mg/Kg	20	11/3/2021 1:26:32 PM	63728
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	11/3/2021 3:45:43 PM	63723
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	11/3/2021 3:45:43 PM	63723
Surr: DNOP	94.4	70-130		%Rec	1	11/3/2021 3:45:43 PM	63723
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.2		mg/Kg	1	11/3/2021 11:39:26 AM	B82558
Surr: BFB	98.9	70-130		%Rec	1	11/3/2021 11:39:26 AM	B82558
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.016		mg/Kg	1	11/3/2021 11:39:26 AM	D82558
Toluene	ND	0.032		mg/Kg	1	11/3/2021 11:39:26 AM	D82558
Ethylbenzene	ND	0.032		mg/Kg	1	11/3/2021 11:39:26 AM	D82558
Xylenes, Total	ND	0.064		mg/Kg	1	11/3/2021 11:39:26 AM	D82558
Surr: 4-Bromofluorobenzene	97.6	70-130		%Rec	1	11/3/2021 11:39:26 AM	D82558

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2111125

05-Nov-21

**Client:** ENSOLUM**Project:** Douthit Federal 6

Sample ID: <b>MB-63727</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>63727</b>	RunNo: <b>82554</b>								
Prep Date: <b>11/3/2021</b>	Analysis Date: <b>11/3/2021</b>	SeqNo: <b>2930747</b>		Units: <b>mg/Kg</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-63727</b>	SampType: <b>lcs</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>63727</b>	RunNo: <b>82554</b>								
Prep Date: <b>11/3/2021</b>	Analysis Date: <b>11/3/2021</b>	SeqNo: <b>2930748</b>		Units: <b>mg/Kg</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	91.5	90	110			

Sample ID: <b>MB-63727</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>63727</b>	RunNo: <b>82555</b>								
Prep Date: <b>11/3/2021</b>	Analysis Date: <b>11/3/2021</b>	SeqNo: <b>2931033</b>		Units: <b>mg/Kg</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-63727</b>	SampType: <b>lcs</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>63727</b>	RunNo: <b>82555</b>								
Prep Date: <b>11/3/2021</b>	Analysis Date: <b>11/3/2021</b>	SeqNo: <b>2931034</b>		Units: <b>mg/Kg</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.7	90	110			

Sample ID: <b>MB-63728</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>63728</b>	RunNo: <b>82555</b>								
Prep Date: <b>11/3/2021</b>	Analysis Date: <b>11/3/2021</b>	SeqNo: <b>2931035</b>		Units: <b>mg/Kg</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-63728</b>	SampType: <b>lcs</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>63728</b>	RunNo: <b>82555</b>								
Prep Date: <b>11/3/2021</b>	Analysis Date: <b>11/3/2021</b>	SeqNo: <b>2931036</b>		Units: <b>mg/Kg</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	91.9	90	110			

**Qualifiers:**

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Limit

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2111125

05-Nov-21

**Client:** ENSOLUM**Project:** Douthit Federal 6

Sample ID: <b>MB-63724</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>63724</b>	RunNo: <b>82541</b>								
Prep Date: <b>11/3/2021</b>	Analysis Date: <b>11/3/2021</b>	SeqNo: <b>2929752</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.3		10.00		83.1	70	130			

Sample ID: <b>LCS-63724</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>63724</b>	RunNo: <b>82541</b>								
Prep Date: <b>11/3/2021</b>	Analysis Date: <b>11/3/2021</b>	SeqNo: <b>2929753</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	10	50.00	0	89.2	68.9	135			
Surr: DNOP	4.2		5.000		83.7	70	130			

Sample ID: <b>2111125-001AMS</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>S-16</b>	Batch ID: <b>63724</b>	RunNo: <b>82541</b>								
Prep Date: <b>11/3/2021</b>	Analysis Date: <b>11/3/2021</b>	SeqNo: <b>2929986</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	59	9.6	47.85	25.22	70.1	39.3	155			
Surr: DNOP	3.5		4.785		72.6	70	130			

Sample ID: <b>2111125-001AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>S-16</b>	Batch ID: <b>63724</b>	RunNo: <b>82541</b>								
Prep Date: <b>11/3/2021</b>	Analysis Date: <b>11/3/2021</b>	SeqNo: <b>2929987</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	65	10	49.95	25.22	79.1	39.3	155	9.71	23.4	
Surr: DNOP	3.7		4.995		73.2	70	130	0	0	

Sample ID: <b>2111125-021AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>S-36</b>	Batch ID: <b>63723</b>	RunNo: <b>82548</b>								
Prep Date: <b>11/3/2021</b>	Analysis Date: <b>11/3/2021</b>	SeqNo: <b>2930971</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	9.9	49.46	0	91.0	39.3	155	21.8	23.4	
Surr: DNOP	5.0		4.946		101	70	130	0	0	

**Qualifiers:**

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Limit

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**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2111125

05-Nov-21

**Client:** ENSOLUM**Project:** Douthit Federal 6

Sample ID: <b>2111125-021AMS</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>S-36</b>	Batch ID: <b>63723</b>	RunNo: <b>82548</b>								
Prep Date: <b>11/3/2021</b>	Analysis Date: <b>11/3/2021</b>	SeqNo: <b>2930972</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	36	9.1	45.29	0	79.8	39.3	155			
Surr: DNOP	4.7		4.529		103	70	130			

Sample ID: <b>MB-63723</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>63723</b>	RunNo: <b>82548</b>								
Prep Date: <b>11/3/2021</b>	Analysis Date: <b>11/3/2021</b>	SeqNo: <b>2930977</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.5		10.00		94.5	70	130			

Sample ID: <b>LCS-63723</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>63723</b>	RunNo: <b>82548</b>								
Prep Date: <b>11/3/2021</b>	Analysis Date: <b>11/3/2021</b>	SeqNo: <b>2930978</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	10	50.00	0	89.6	68.9	135			
Surr: DNOP	4.4		5.000		88.9	70	130			

**Qualifiers:**

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		



**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2111125

05-Nov-21

**Client:** ENSOLUM**Project:** Douthit Federal 6

Sample ID: <b>mb-water</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>PBS</b>	Batch ID: <b>R82537</b>		RunNo: <b>82537</b>							
Prep Date:	Analysis Date: <b>11/3/2021</b>		SeqNo: <b>2929521</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	970		1000		96.8	70	130			

Sample ID: <b>2.5ug gro lcs</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>R82537</b>		RunNo: <b>82537</b>							
Prep Date:	Analysis Date: <b>11/3/2021</b>		SeqNo: <b>2929522</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	103	78.6	131			
Surr: BFB	1100		1000		106	70	130			

Sample ID: <b>mb</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>PBS</b>	Batch ID: <b>B82558</b>		RunNo: <b>82558</b>							
Prep Date:	Analysis Date: <b>11/3/2021</b>		SeqNo: <b>2930250</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	980		1000		98.4	70	130			

Sample ID: <b>2.5ug gro lcs</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>B82558</b>		RunNo: <b>82558</b>							
Prep Date:	Analysis Date: <b>11/3/2021</b>		SeqNo: <b>2930251</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	98.2	78.6	131			
Surr: BFB	1100		1000		110	70	130			

Sample ID: <b>2111125-019ams</b>	SampType: <b>MS</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>S-34</b>	Batch ID: <b>B82558</b>		RunNo: <b>82558</b>							
Prep Date:	Analysis Date: <b>11/3/2021</b>		SeqNo: <b>2930260</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	16	3.3	16.47	0	96.0	61.3	114			
Surr: BFB	740		658.8		112	70	130			

Sample ID: <b>2111125-019amsd</b>	SampType: <b>MSD</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>S-34</b>	Batch ID: <b>B82558</b>		RunNo: <b>82558</b>							
Prep Date:	Analysis Date: <b>11/3/2021</b>		SeqNo: <b>2930261</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

**Qualifiers:**

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Limit

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2111125

05-Nov-21

**Client:** ENSOLUM**Project:** Douthit Federal 6

Sample ID: <b>2111125-019amsd</b>	SampType: <b>MSD</b>				TestCode: <b>EPA Method 8015D: Gasoline Range</b>					
Client ID: <b>S-34</b>	Batch ID: <b>B82558</b>				RunNo: <b>82558</b>					
Prep Date:	Analysis Date: <b>11/3/2021</b>				SeqNo: <b>2930261</b>	Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	16	3.3	16.47	0	97.2	61.3	114	1.24	20	
Surr: BFB	740		658.8		112	70	130	0	0	

Sample ID: <b>2111125-003ams</b>	SampType: <b>MS</b>				TestCode: <b>EPA Method 8015D: Gasoline Range</b>					
Client ID: <b>S-18</b>	Batch ID: <b>R82537</b>				RunNo: <b>82537</b>					
Prep Date:	Analysis Date: <b>11/3/2021</b>				SeqNo: <b>2930288</b>	Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	92	17	83.06	0	111	61.3	114			
Surr: BFB	4100		3322		125	70	130			

Sample ID: <b>2111125-003amsd</b>	SampType: <b>MSD</b>				TestCode: <b>EPA Method 8015D: Gasoline Range</b>					
Client ID: <b>S-18</b>	Batch ID: <b>R82537</b>				RunNo: <b>82537</b>					
Prep Date:	Analysis Date: <b>11/3/2021</b>				SeqNo: <b>2930289</b>	Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	83	17	83.06	0	100	61.3	114	9.56	20	
Surr: BFB	3800		3322		114	70	130	0	0	

**Qualifiers:**

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Limit

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2111125

05-Nov-21

**Client:** ENSOLUM**Project:** Douthit Federal 6

Sample ID: <b>mb-water</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>PBS</b>	Batch ID: <b>R82537</b>		RunNo: <b>82537</b>							
Prep Date:	Analysis Date: <b>11/3/2021</b>		SeqNo: <b>2929527</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		101	70	130			

Sample ID: <b>100ng btex lcs</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>R82537</b>		RunNo: <b>82537</b>							
Prep Date:	Analysis Date: <b>11/3/2021</b>		SeqNo: <b>2929528</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.025	1.000	0	90.6	80	120			
Toluene	0.95	0.050	1.000	0	94.6	80	120			
Ethylbenzene	0.96	0.050	1.000	0	96.3	80	120			
Xylenes, Total	2.9	0.10	3.000	0	95.8	80	120			
Surr: 4-Bromofluorobenzene	0.97		1.000		97.2	70	130			

Sample ID: <b>mb</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>PBS</b>	Batch ID: <b>D82558</b>		RunNo: <b>82558</b>							
Prep Date:	Analysis Date: <b>11/3/2021</b>		SeqNo: <b>2930270</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		99.9	70	130			

Sample ID: <b>100ng btex lcs</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>D82558</b>		RunNo: <b>82558</b>							
Prep Date:	Analysis Date: <b>11/3/2021</b>		SeqNo: <b>2930271</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.90	0.025	1.000	0	90.0	80	120			
Toluene	0.95	0.050	1.000	0	94.7	80	120			
Ethylbenzene	0.94	0.050	1.000	0	94.3	80	120			
Xylenes, Total	2.9	0.10	3.000	0	95.5	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		103	70	130			

**Qualifiers:**

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2111125

05-Nov-21

**Client:** ENSOLUM**Project:** Douthit Federal 6

Sample ID: <b>2111125-020amsd</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>S-35</b>	Batch ID: <b>D82558</b>	RunNo: <b>82558</b>								
Prep Date:	Analysis Date: <b>11/3/2021</b>	SeqNo: <b>2930281</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.76	0.018	0.7321	0	104	80	120	17.3	20	
Toluene	0.80	0.037	0.7321	0	109	80	120	17.6	20	
Ethylbenzene	0.80	0.037	0.7321	0	109	80	120	17.1	20	
Xylenes, Total	2.4	0.073	2.196	0	110	80	120	18.2	20	
Surr: 4-Bromofluorobenzene	0.74		0.7321		101	70	130	0	0	

Sample ID: <b>2111125-002ams</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>S-17</b>	Batch ID: <b>R82537</b>	RunNo: <b>82537</b>								
Prep Date:	Analysis Date: <b>11/3/2021</b>	SeqNo: <b>2930290</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	3.6	0.087	3.494	0.1577	99.2	80	120			
Toluene	7.7	0.17	3.494	4.817	83.1	80	120			
Ethylbenzene	7.6	0.17	3.494	4.461	88.9	80	120			
Xylenes, Total	40	0.35	10.48	31.66	75.9	80	120			S
Surr: 4-Bromofluorobenzene	4.9		3.494		140	70	130			S

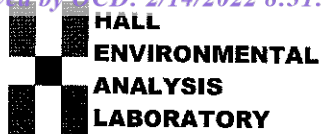
Sample ID: <b>2111125-002amsd</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>S-17</b>	Batch ID: <b>R82537</b>	RunNo: <b>82537</b>								
Prep Date:	Analysis Date: <b>11/3/2021</b>	SeqNo: <b>2930291</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	3.4	0.087	3.494	0.1577	94.2	80	120	4.95	20	
Toluene	7.4	0.17	3.494	4.817	73.6	80	120	4.38	20	S
Ethylbenzene	7.2	0.17	3.494	4.461	79.2	80	120	4.55	20	S
Xylenes, Total	38	0.35	10.48	31.66	59.2	80	120	4.51	20	S
Surr: 4-Bromofluorobenzene	4.8		3.494		137	70	130	0	0	S

**Qualifiers:**

\* Value exceeds Maximum Contaminant Level.  
 D Sample Diluted Due to Matrix  
 H Holding times for preparation or analysis exceeded  
 ND Not Detected at the Reporting Limit  
 PQL Practical Quantitative Limit  
 S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 P Sample pH Not In Range  
 RL Reporting Limit





Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: clients.hallenvironmental.com

## Sample Log-In Check List

Client Name: ENSOLUM

Work Order Number: 2111125

RcptNo: 1

Received By: Cheyenne Cason

11/3/2021 7:10:00 AM

Completed By: Sean Livingston

11/3/2021 8:13:34 AM

Reviewed By: TME

11/3/21 8:42

Chain of Custody

1. Is Chain of Custody complete?

Yes ☒No ☐Not Present ☐

2. How was the sample delivered?

Courier

Log In

3. Was an attempt made to cool the samples?

Yes ☒No ☐NA ☐4. Were all samples received at a temperature of  $>0^{\circ}\text{C}$  to  $6.0^{\circ}\text{C}$ ?Yes ☒No ☐NA ☐

5. Sample(s) in proper container(s)?

Yes ☒No ☐

6. Sufficient sample volume for indicated test(s)?

Yes ☒No ☐

7. Are samples (except VOA and ONG) properly preserved?

Yes ☒No ☐

8. Was preservative added to bottles?

Yes ☐No ☒NA ☐9. Received at least 1 vial with headspace  $<1/4"$  for AQ VOA?Yes ☐No ☐NA ☒

10. Were any sample containers received broken?

Yes ☐No ☒

11. Does paperwork match bottle labels?

Yes ☒No ☐

(Note discrepancies on chain of custody)

12. Are matrices correctly identified on Chain of Custody?

Yes ☒No ☐

13. Is it clear what analyses were requested?

Yes ☒No ☐

14. Were all holding times able to be met?

Yes ☒No ☐

(If no, notify customer for authorization.)

# of preserved  
bottles checked  
for pH:

(&lt;2 or &gt;12 unless noted)

Adjusted?

Checked by: JN/AB 11-3-21

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order?

Yes ☐No ☐NA ☒

Person Notified:

Date:

By Whom:

Via:

☐ eMail☐ Phone☐ Fax☐ In Person

Regarding:

Client Instructions:

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.6	Good				
2	2.4	Good				



## Chain-of-Custody Record

Client:

Ensolum LLC

Mailing Address:

6000 S. Rio Grande Suite A  
Artec, NM 87410

Phone #:

email or Fax#: ksummers@ensolum.com

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)Accreditation: ☐ Az Compliance☐ NELAC ☐ Other☐ EDD (Type)

Turn-Around Time:

SAME DAY

☐ Standard☒ Rush 1000

Project Name:

Douthitt Federal 6

Project #:

see notes

Project Manager:

ksummers

Sampler:

R. Duchilly

On Ice:

☒ Yes☒ No

# of Coolers:

2 1.6 - 0.6 = 1.6

Cooler Temp (including CF):

2.4 - 0.6 = 2.4 (°C)

Container  
Type and #Preservative  
Type

HEAL No.

Date Time Matrix Sample Name

11/2/21	1105	S	S-28	1 x 4oz Jar	COOL	013
11/2/21	1110	S	S-29	1 x 4oz Jar	COOL	014
11/2/21	1115	S	S-30	1 x 4oz Jar	COOL	015
11/2/21	1120	S	S-31	1 x 4oz Jar	COOL	016
11/2/21	1125	S	S-32	1 x 4oz Jar	COOL	017
11/2/21	1130	S	S-33	1 x 4oz Jar	COOL	018
11/2/21	1135	S	S-34	1 x 4oz Jar	COOL	019
11/2/21	1140	S	S-35	1 x 4oz Jar	COOL	020
11/2/21	1145	S	S-36	1 x 4oz Jar	COOL	021
11/2/21	1150	S	S-37	1 x 4oz Jar	COOL	022
11/2/21	1155	S	S-38	1 x 4oz Jar	COOL	023

BTX / MTBE / TMB's (8021)

TPH:8015D(GRO / DRO / MRO)

8081 Pesticides/8082 PCB's

EDB (Method 504.1)

PAHs by 8310 or 8270SIMS

RCRA 8 Metals

Cl, F, Br, NO<sub>3</sub>, NO<sub>2</sub>, PO<sub>4</sub>, SO<sub>4</sub>

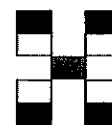
8260 (VOA)

8270 (Semi-VOA)

Total Coliform (Present/Absent)

Chloride

## Analysis Request

HALL ENVIRONMENTAL  
ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
11/2/21	1511	[Signature]	[Signature]		11/2/21	1511
Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
11/2/21	1810	[Signature]	[Signature]	CMC courier	11/3/21	0710

Remarks:

SAME DAY

Seal on cooler intact  
one 11/3/21

PM-Tom Long (EPRD)

Pay Key-RB21200

NM AFE-N55008



Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: [clients.hallenvironmental.com](http://clients.hallenvironmental.com)

November 08, 2021

Kyle Summers

ENSOLUM

606 S. Rio Grande Suite A

Aztec, NM 87410

TEL: (903) 821-5603

FAX

RE: Douthit Federal 6

OrderNo.: 2111310

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 2 sample(s) on 11/5/2021 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to [www.hallenvironmental.com](http://www.hallenvironmental.com) or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman".

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109



## Analytical Report

Lab Order 2111310

Date Reported: 11/8/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-39

Project: Douthit Federal 6

Collection Date: 11/4/2021 2:15:00 PM

Lab ID: 2111310-001

Matrix: MEOH (SOIL)

Received Date: 11/5/2021 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	ND	60		mg/Kg	20	11/5/2021 10:33:36 AM	63784
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	11/5/2021 10:24:24 AM	63783
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	11/5/2021 10:24:24 AM	63783
Surr: DNOP	90.3	70-130		%Rec	1	11/5/2021 10:24:24 AM	63783
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	19	18		mg/Kg	5	11/5/2021 2:03:00 PM	R82621
Surr: BFB	122	70-130		%Rec	5	11/5/2021 2:03:00 PM	R82621
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.091		mg/Kg	5	11/5/2021 2:03:00 PM	R82621
Toluene	0.43	0.18		mg/Kg	5	11/5/2021 2:03:00 PM	R82621
Ethylbenzene	ND	0.18		mg/Kg	5	11/5/2021 2:03:00 PM	R82621
Xylenes, Total	0.99	0.36		mg/Kg	5	11/5/2021 2:03:00 PM	R82621
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	5	11/5/2021 2:03:00 PM	R82621

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Page 1 of 6

## Analytical Report

Lab Order 2111310

Date Reported: 11/8/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-40

Project: Douthit Federal 6

Collection Date: 11/4/2021 2:20:00 PM

Lab ID: 2111310-002

Matrix: MEOH (SOIL)

Received Date: 11/5/2021 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	ND	60		mg/Kg	20	11/5/2021 10:46:00 AM	63784
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	11/5/2021 10:48:05 AM	63783
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	11/5/2021 10:48:05 AM	63783
Surr: DNOP	97.3	70-130		%Rec	1	11/5/2021 10:48:05 AM	63783
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	6.2	3.4		mg/Kg	1	11/5/2021 2:22:00 PM	R82621
Surr: BFB	141	70-130	S	%Rec	1	11/5/2021 2:22:00 PM	R82621
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	0.020	0.017		mg/Kg	1	11/5/2021 2:22:00 PM	R82621
Toluene	0.16	0.034		mg/Kg	1	11/5/2021 2:22:00 PM	R82621
Ethylbenzene	0.068	0.034		mg/Kg	1	11/5/2021 2:22:00 PM	R82621
Xylenes, Total	0.52	0.067		mg/Kg	1	11/5/2021 2:22:00 PM	R82621
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	11/5/2021 2:22:00 PM	R82621

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Page 2 of 6

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2111310

08-Nov-21

**Client:** ENSOLUM**Project:** Douthit Federal 6

Sample ID: <b>MB-63784</b>		SampType: <b>mblk</b>		TestCode: <b>EPA Method 300.0: Anions</b>						
Client ID: <b>PBS</b>		Batch ID: <b>63784</b>		RunNo: <b>82637</b>						
Prep Date: <b>11/5/2021</b>		Analysis Date: <b>11/5/2021</b>		SeqNo: <b>2933906</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-63784</b>		SampType: <b>lcs</b>		TestCode: <b>EPA Method 300.0: Anions</b>						
Client ID: <b>LCSS</b>		Batch ID: <b>63784</b>		RunNo: <b>82637</b>						
Prep Date: <b>11/5/2021</b>		Analysis Date: <b>11/5/2021</b>		SeqNo: <b>2933907</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.0	90	110			

**Qualifiers:**

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Limit

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2111310

08-Nov-21

**Client:** ENSOLUM**Project:** Douthit Federal 6

Sample ID: <b>MB-63783</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>63783</b>	RunNo: <b>82624</b>								
Prep Date: <b>11/5/2021</b>	Analysis Date: <b>11/5/2021</b>	SeqNo: <b>2933055</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.0		10.00		90.0	70	130			

Sample ID: <b>LCS-63783</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>63783</b>	RunNo: <b>82624</b>								
Prep Date: <b>11/5/2021</b>	Analysis Date: <b>11/5/2021</b>	SeqNo: <b>2933069</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	10	50.00	0	88.9	68.9	135			
Surr: DNOP	4.4		5.000		88.1	70	130			

**Qualifiers:**

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Limit

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2111310

08-Nov-21

**Client:** ENSOLUM**Project:** Douthit Federal 6

Sample ID: <b>mb-water</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>PBS</b>	Batch ID: <b>R82621</b>	RunNo: <b>82621</b>								
Prep Date:	Analysis Date: <b>11/5/2021</b>	SeqNo: <b>2932743</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		100	70	130			

Sample ID: <b>2.5ug gro lcs</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>R82621</b>	RunNo: <b>82621</b>								
Prep Date:	Analysis Date: <b>11/5/2021</b>	SeqNo: <b>2932745</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	101	78.6	131			
Surr: BFB	1200		1000		115	70	130			

Sample ID: <b>2111310-001ams</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>S-39</b>	Batch ID: <b>R82621</b>	RunNo: <b>82621</b>								
Prep Date:	Analysis Date: <b>11/6/2021</b>	SeqNo: <b>2933727</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	99	18	90.91	19.16	87.9	61.3	114			
Surr: BFB	4700		3636		130	70	130			

Sample ID: <b>2111310-001amsd</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>S-39</b>	Batch ID: <b>R82621</b>	RunNo: <b>82621</b>								
Prep Date:	Analysis Date: <b>11/6/2021</b>	SeqNo: <b>2933732</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	97	18	90.91	19.16	85.7	61.3	114	2.04	20	
Surr: BFB	4500		3636		123	70	130	0	0	

**Qualifiers:**

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Limit



**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2111310

08-Nov-21

**Client:** ENSOLUM**Project:** Douthit Federal 6

Sample ID: <b>mb-water</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>R82621</b>	RunNo: <b>82621</b>								
Prep Date:	Analysis Date: <b>11/5/2021</b>	SeqNo: <b>2932763</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.1		1.000		105	70	130			

Sample ID: <b>100ng btex lcs</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>R82621</b>	RunNo: <b>82621</b>								
Prep Date:	Analysis Date: <b>11/5/2021</b>	SeqNo: <b>2932764</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.025	1.000	0	93.4	80	120			
Toluene	0.93	0.050	1.000	0	93.4	80	120			
Ethylbenzene	0.98	0.050	1.000	0	97.6	80	120			
Xylenes, Total	3.0	0.10	3.000	0	99.9	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		108	70	130			

Sample ID: <b>2111310-002ams</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>S-40</b>	Batch ID: <b>R82621</b>	RunNo: <b>82621</b>								
Prep Date:	Analysis Date: <b>11/6/2021</b>	SeqNo: <b>2933760</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.68	0.017	0.6702	0.02035	97.8	80	120			
Toluene	0.76	0.034	0.6702	0.1564	89.8	80	120			
Ethylbenzene	0.71	0.034	0.6702	0.06845	96.4	80	120			
Xylenes, Total	2.4	0.067	2.011	0.5165	91.6	80	120			
Surr: 4-Bromofluorobenzene	0.70		0.6702		105	70	130			

Sample ID: <b>2111310-002amsd</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>S-40</b>	Batch ID: <b>R82621</b>	RunNo: <b>82621</b>								
Prep Date:	Analysis Date: <b>11/6/2021</b>	SeqNo: <b>2933762</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.60	0.017	0.6702	0.02035	87.0	80	120	11.4	20	
Toluene	0.73	0.034	0.6702	0.1564	86.1	80	120	3.32	20	
Ethylbenzene	0.69	0.034	0.6702	0.06845	93.3	80	120	3.01	20	
Xylenes, Total	2.3	0.067	2.011	0.5165	87.4	80	120	3.64	20	
Surr: 4-Bromofluorobenzene	0.66		0.6702		98.7	70	130	0	0	

**Qualifiers:**

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Limit



Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: clients.hallenvironmental.com

## Sample Log-In Check List

Client Name: ENSOLUM

Work Order Number: 2111310

RcptNo: 1

Received By: Cheyenne Cason

11/5/2021 7:00:00 AM

Completed By: Isaiah Ortiz

11/5/2021 7:42:14 AM

Reviewed By: JN 11/5/21

Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of  $>0^{\circ}\text{C}$  to  $6.0^{\circ}\text{C}$ ? Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace  $<1/4"$  for AQ VOA? Yes ☐ No ☐ NA ☒
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?  
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?  
(If no, notify customer for authorization.) Yes ☒ No ☐

# of preserved  
bottles checked  
for pH:

( $\leq 2$  or  $>12$  unless noted)

Adjusted? \_\_\_\_\_

Checked by: [Signature] 11.5.21

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified:		Date:	
By Whom:		Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:			
Client Instructions:			

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.2	Good	Not Present			

Released to Imaging: 4/22/2022 3:19:56 PM

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



## Analysis Request

[illegible]

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico  
Energy, Minerals and Natural Resources  
Oil Conservation Division  
1220 S. St Francis Dr.  
Santa Fe, NM 87505

CONDITIONS  
  
Action 81218

CONDITIONS

Operator: Enterprise Field Services, LLC PO Box 4324 Houston, TX 77210	OGRID: 241602
	Action Number: 81218
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	None	4/22/2022