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: **Enterprise Field Services, LLC**	OGRID: **241602**
Contact Name: **Thomas Long**	Contact Telephone: **505-599-2286**
Contact email:**tjlong@eprod.com**	Incident # *(assigned by OCD)* **nAPP23241511309**
Contact mailing address: **614 Reilly Ave, Farmington, NM 87401**	

Location of Release Source

Latitude **36.40321** Longitude **-107.65787** *(NAD 83 in decimal degrees to 5 decimal places)*

Site Name **Payne #6**	Site Type **Natural Gas Gathering Pipeline**
Date Release Discovered: **08/29/2023**	Serial Number *(if applicable)*: **N/A**

Unit Letter	Section	Township	Range	County
E	**14**	**25N**	**8W**	**San Juan**

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

Nature and Volume of Release

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

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☐ Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☒ Condensate	Volume Released (bbls): **Estimated 10-15 BBLs**	Volume Recovered (bbls): **None**
☒ Natural Gas	Volume Released (Mcf): **0.494 MCF**	Volume Recovered (Mcf): **None**
☐ Other (describe)	Volume/Weight Released (provide units):	Volume/Weight Recovered (provide units)

Cause of Release On July 12, 2023, Enterprise had a release of natural gas and natural gas liquids from the Payne #6 pipeline. The pipeline was isolated, depressurized, locked and tagged out. No fire nor injuries occurred. No liquids were observed on the ground surface. Enterprise began repairs and remediation on August 29, 2023, and determined the released reportable per NMOCD regulation, due the volume of impacted subsurface soil. Remediation was completed on September 5, 2023. The final excavation dimensions measured approximately 40 feet long by 15 feet wide by 12 feet deep. A total of 600 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.

Incident ID	
District RP	
Facility ID	
Application ID	

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: Thomas Long Date: 12-1-2023

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: Ashley Maxwell Date: 12/01/2023

Printed Name: Ashley Maxwell Title: Environmental Specialist

ENSOLUM

CLOSURE REPORT

Property:

Payne #6 (08/29/23)
Unit Letter E, S14 T25N R8W
San Juan County, New Mexico

New Mexico EMNRD OCD Incident ID No. NAPP2324151130

October 16, 2023

Ensolum Project No. 05A1226262

Prepared for:

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

Prepared by:

Ranee Deechilly
Project Manager

Kyle Summers
Senior Managing Geologist

TABLE OF CONTENTS

LIST OF APPENDICES

1.0 INTRODUCTION

1.1 Site Description & Background

Operator:	Enterprise Field Services, LLC / Enterprise Products Operating LLC (Enterprise)
Site Name:	Payne #6 (08/29/23) (Site)
NM EMNRD OCD Incident ID No.	NAPP2324151130
Location:	36.40321° North, 107.65787° West Unit Letter E, Section 14, Township 25 North, Range 8 West San Juan County, New Mexico
Property:	United States Bureau of Land Management
Regulatory:	New Mexico (NM) Energy, Minerals and Natural Resources Department (EMNRD) Oil Conservation Division (OCD)

On July 12, 2023, a release of natural gas from the Payne #6 pipeline was identified by a third party. Enterprise verified a release and subsequently isolated and locked the pipeline out of service. On August 17, 2023, Enterprise initiated activities to repair the pipeline and remediate petroleum hydrocarbon impact. On August 29, 2023, Enterprise determined the release was "reportable" due to the potential volume of impacted soil. The NM EMNRD OCD was subsequently notified.

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. Ensolum, LLC (Ensolum) referenced New Mexico 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, during the evaluation and remediation of the Site. The appropriate closure criteria for sites are determined using the siting requirements outlined in Paragraph (4) of Subsection C of 19.15.29.12 NMAC. Ensolum utilized the general site characteristics and information available from NM state agency databases and federal agency geospatial databases 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 NM Office of the State Engineer (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). No PODs were identified in the same Public Land Survey System (PLSS) section or in the adjacent PLSS sections (**Figure A**, **Appendix B**).

- No cathodic protection wells (CPWs) were identified in the NM EMNRD OCD imaging database in the same PLSS section as the Site nor in the adjacent PLSS sections **Figure B** (**Appendix B**).

- The Site is located within 300 feet of an NM EMNRD OCD-defined significant watercourse (**Figure C**, **Appendix B**). An ephemeral wash that could be described as a first-order tributary to a dry stock pond and Selph Canyon Wash is located near the Site.

- 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 (**Figure D**, **Appendix B**).

- No springs, or private domestic freshwater 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 freshwater 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 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 within an area overlying a subsurface mine (**Figure G**, **Appendix B**).

- The Site is not located within an unstable area per Paragraph (6) of Subsection U of 19.15.2.7 NMAC.

- Based on information provided by the Federal Emergency Management Agency (FEMA) National Flood Hazard Layer (NFHL) geospatial database, the Site is not within a 100-year floodplain (**Figure H**, **Appendix B**).

Based on available information Enterprise estimates the depth to water at the Site to be less than 50 feet bgs, resulting in a Tier I ranking. The closure criteria for Tier I soils remaining in place at the Site include:

Tier I Closure Criteria for Soils Impacted by a Release		
Constituent[1]	**Method**	**Limit**
Chloride	EPA 300.0 or SM4500 Cl B	600 mg/kg
TPH (GRO+DRO+MRO)[2]	EPA SW-846 Method 8015	100 mg/kg
BTEX[3]	EPA SW-846 Method 8021 or 8260	50 mg/kg
Benzene	EPA SW-846 Method 8021 or 8260	10 mg/kg

[1] – Constituent concentrations are in milligrams per kilogram (mg/kg).
[2] – Total Petroleum Hydrocarbons (TPH). Gasoline Range Organics (GRO). Diesel Range Organics (DRO). Motor Oil/Lube Oil Range Organics (MRO).
[3] – Benzene, Toluene, Ethylbenzene, and Total Xylenes (BTEX).

3.0 SOIL REMEDIATION ACTIVITIES

On August 17, 2023, Enterprise initiated activities to repair the pipeline and remediate petroleum hydrocarbon impact resulting from the release. During the remediation and corrective action activities, West States Energy Contractors provided heavy equipment and labor support, while Ensolum provided environmental consulting support.

The final excavation measured approximately 40 feet long and 15 feet wide at the maximum extents. The maximum depth of the excavation measured approximately 12 feet bgs. The lithology encountered during the completion of remediation activities consisted primarily of silty sand underlain by sandstone.

Approximately 600 cubic yards (yd^3) of petroleum hydrocarbon-affected soils were transported to the Envirotech, Inc., (Envirotech) landfarm in San Juan County, 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 then contoured to the surrounding topography.

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® hydrocarbon analyzer system and a photoionization detector (PID) fitted with a 10.6 eV lamp to guide excavation extents.

Ensolum's soil sampling program included the collection of 11 composite soil samples (S-1 through S-11) from the excavation for laboratory analysis. The composite samples were comprised of five aliquots each and represent an estimated 200 square foot (ft^2) or less sample area per guidelines outlined in Section D of 19.15.29.12 NMAC. The excavator bucket was utilized to obtain fresh aliquots from each area of the excavations. Regulatory correspondence is provided in **Appendix E**.

Sampling Event

On September 5, 2023, sampling was performed at the Site. The NM EMNRD OCD was notified of the sampling event although no representative was present during sampling activities. Composite soil samples S-1 (12'), S-2 (12'), and S-3 (12') were collected from the floor of the excavation. Composite soil samples S-4 (0' to 12'), S-5 (0' to 12'), S-6 (0' to 12'), S-7 (0' to 12'), S-8 (0' to 12'), S-9 (0' to 12'), S-10 (0' to 12'), and S-11 (0' to 12') were collected from the walls of the excavation.

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.

The laboratory analytical results are summarized in **Table 1** (**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 benzene, 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-11) to the applicable NM EMNRD OCD closure criteria. The laboratory analytical results are summarized in **Table 1** (**Appendix F**).

- The laboratory analytical results for all composite soil samples indicate total benzene is not present at concentrations greater than the laboratory PQLs/RLs, which are less than the NM EMNRD OCD closure criteria of 10 mg/kg.

- The laboratory analytical results for composite soil samples S-6, S-7, and S-8 indicate total BTEX concentrations of 1.2 mg/kg, 0.73 mg/kg, and 0.62 mg/kg, respectively, which are less than the NM EMNRD OCD closure criteria of 50 mg/kg. The laboratory analytical results for all other composite soil samples indicate total BTEX is not present at concentrations greater than the laboratory PQLs/RLs, which are less than the NM EMNRD OCD closure criteria of 50 mg/kg.

- The laboratory analytical results for composite soil samples S-4, S-6, S-7, and S-8 indicate total combined TPH GRO/DRO/MRO concentrations of 10 mg/kg, 34 mg/kg, 28 mg/kg, and 26 mg/kg, respectively, which are less than the NM EMNRD OCD closure criteria of 100 mg/kg. The laboratory analytical results for all other composite soil samples indicate total combined TPH GRO/DRO/MRO is not present at concentrations greater than the laboratory PQLs/RLs, which are less than the NM EMNRD OCD closure criteria of 100 mg/kg.

- The laboratory analytical results for all composite soil samples indicate chloride is not present at concentrations greater than the laboratory PQLs/RLs, which is less than the NM EMNRD OCD closure criteria of 600 mg/kg.

7.0 RECLAMATION

The excavation was backfilled with imported fill and then contoured to the surrounding topography.

8.0 FINDINGS AND RECOMMENDATION

- Eleven composite soil samples were collected from the Site. Based on laboratory analytical results, no benzene, BTEX, chloride, or total combined TPH GRO/DRO/MRO exceedances were identified in the soils remaining at the Site.

- Approximately 600 yd^3 of petroleum hydrocarbon-affected soils were transported to the Envirotech landfarm for disposal/remediation. The excavation was backfilled with imported fill and then contoured to the surrounding topography.

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.

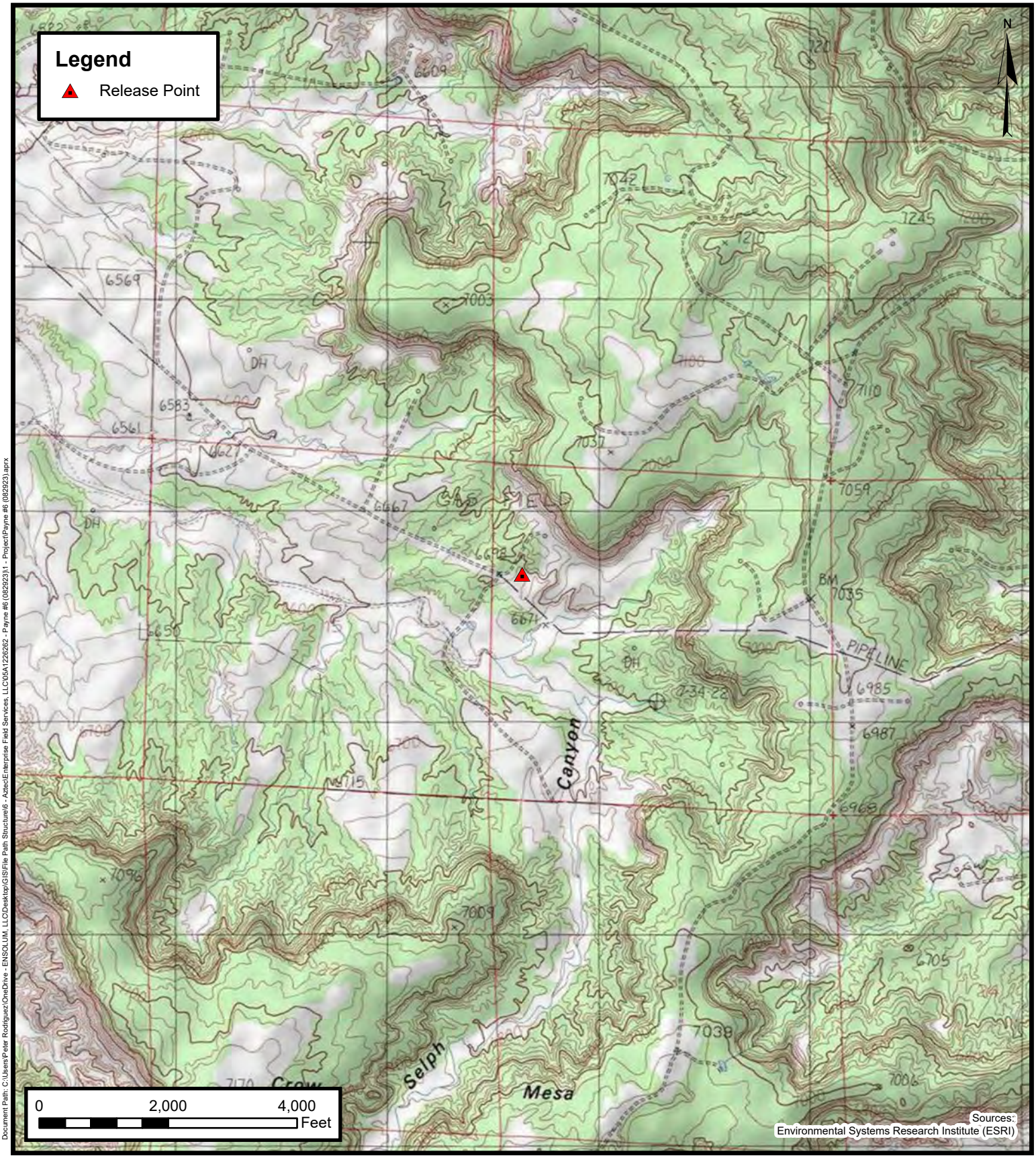
9.3 Reliance

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.

ENSOLUM

APPENDIX A

Figures

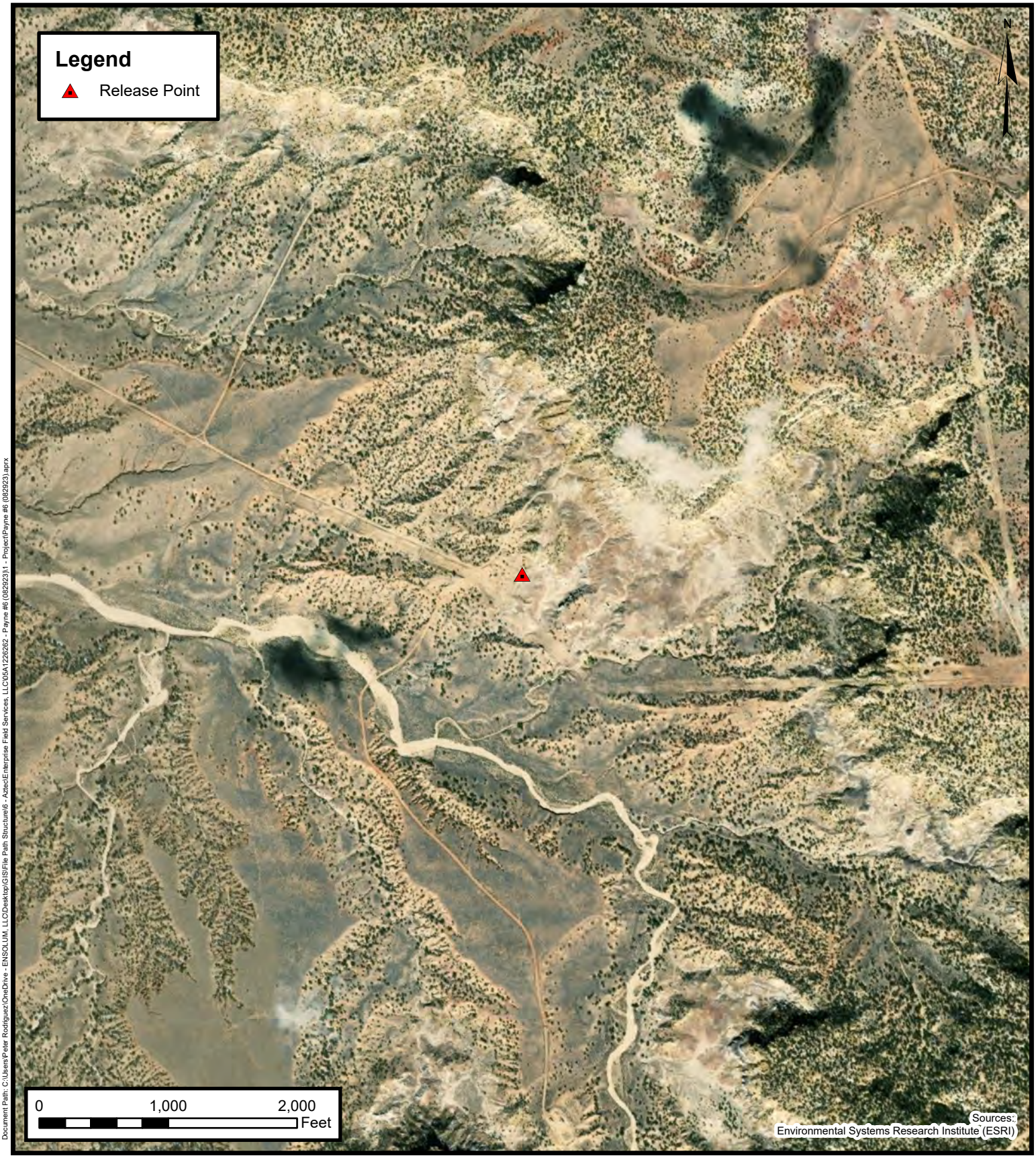


ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

Topographic Map

Enterprise Field Services, LLC
Payne #6 (08/29/23)
Project Number: 05A1226262
Unit Letter E, S14 T25N R8W, San Juan County, New Mexico
36.40321, -107.65787

FIGURE
1



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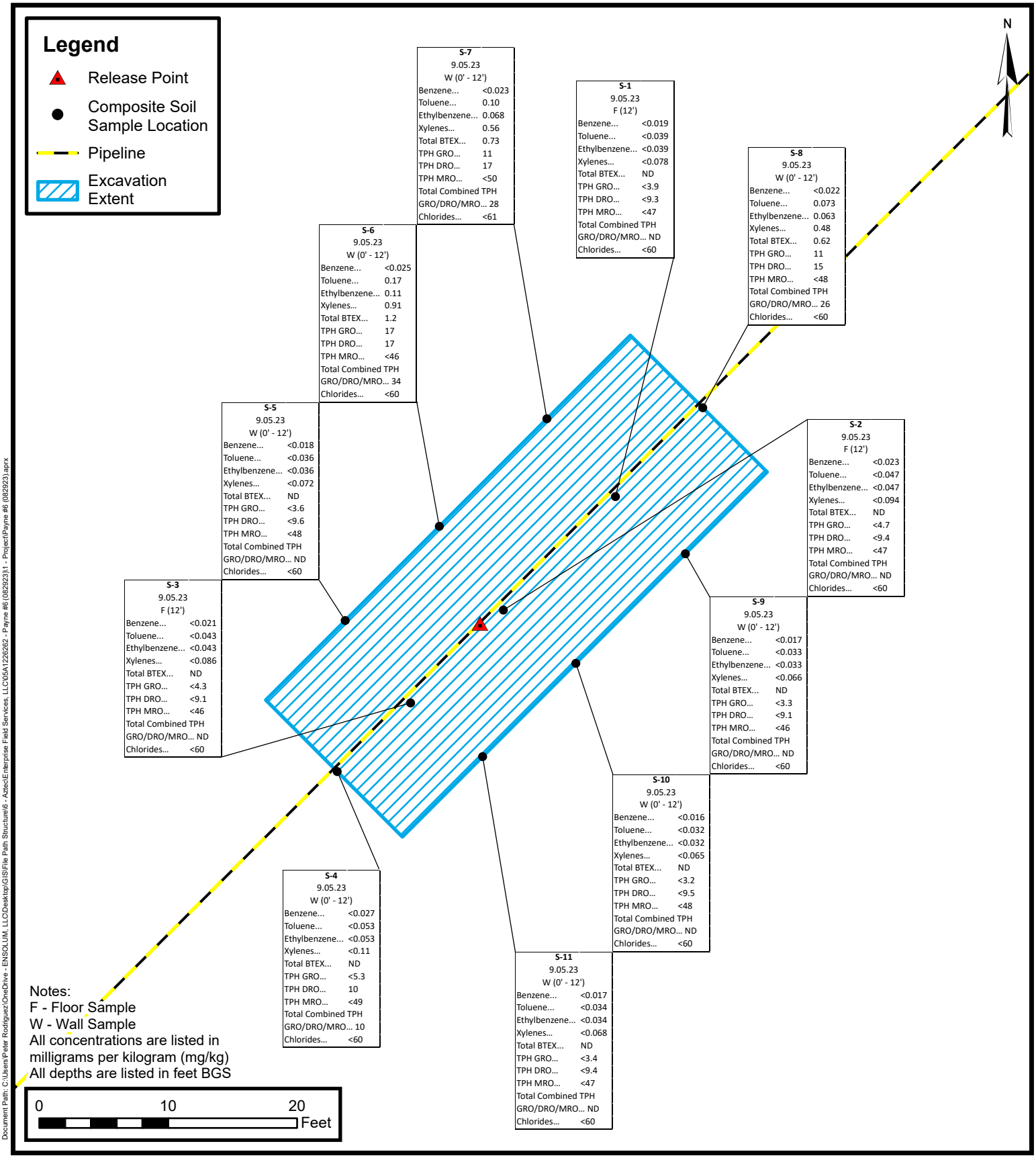
ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

Site Vicinity Map

Enterprise Field Services, LLC
Payne #6 (08/29/23)
Project Number: 05A1226262
Unit Letter E, S14 T25N R8W, San Juan County, New Mexico
36.40321, -107.65787

FIGURE
2



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ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

Site Map with Soil Analytical Results

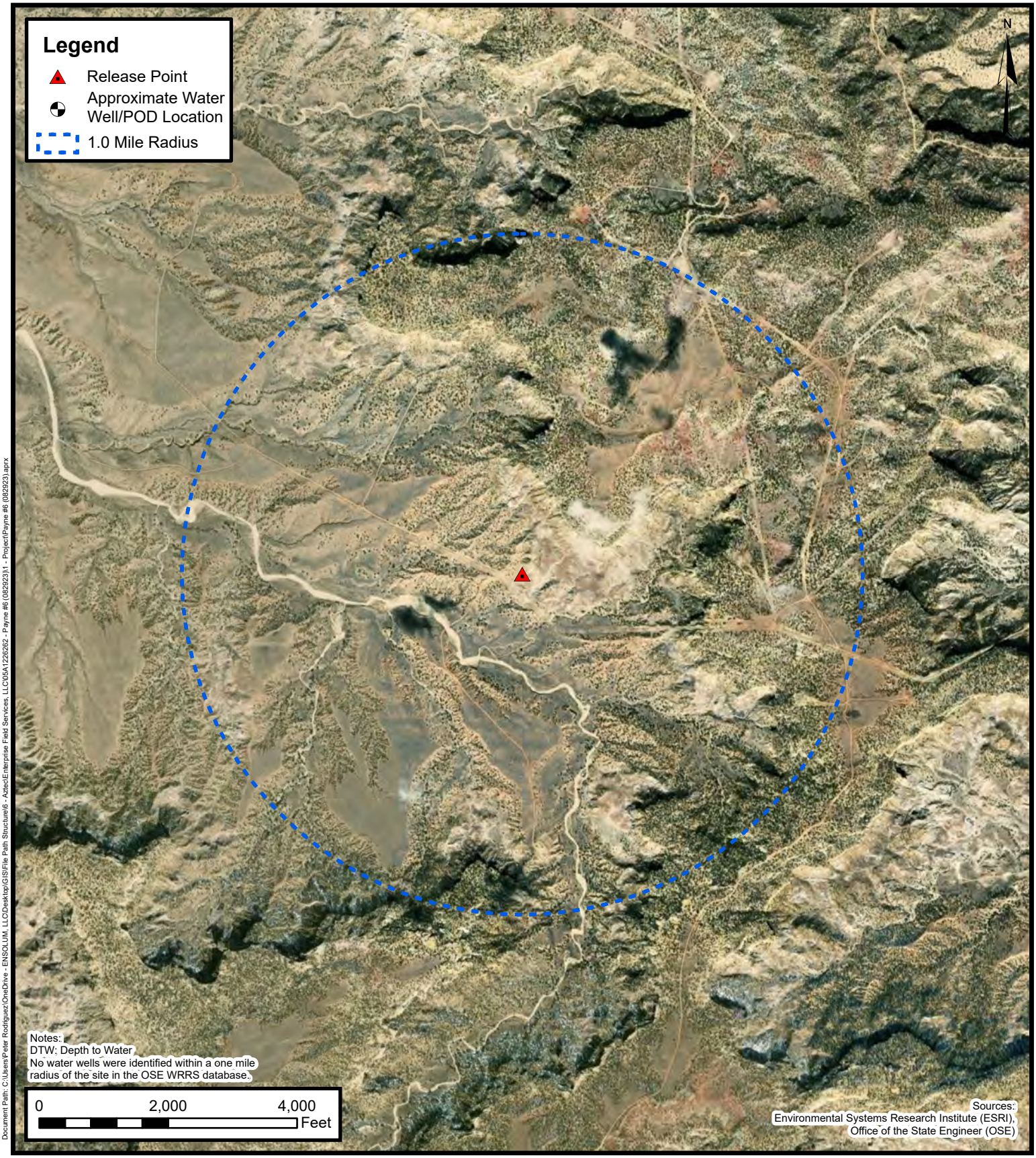
Enterprise Field Services, LLC
Payne #6 (08/29/23)
Project Number: 05A1226262
Unit Letter E, S14 T25N R8W, San Juan County, New Mexico
36.40321, -107.65787

FIGURE
3

ENSOLUM

APPENDIX B

Siting Figures and Documentation



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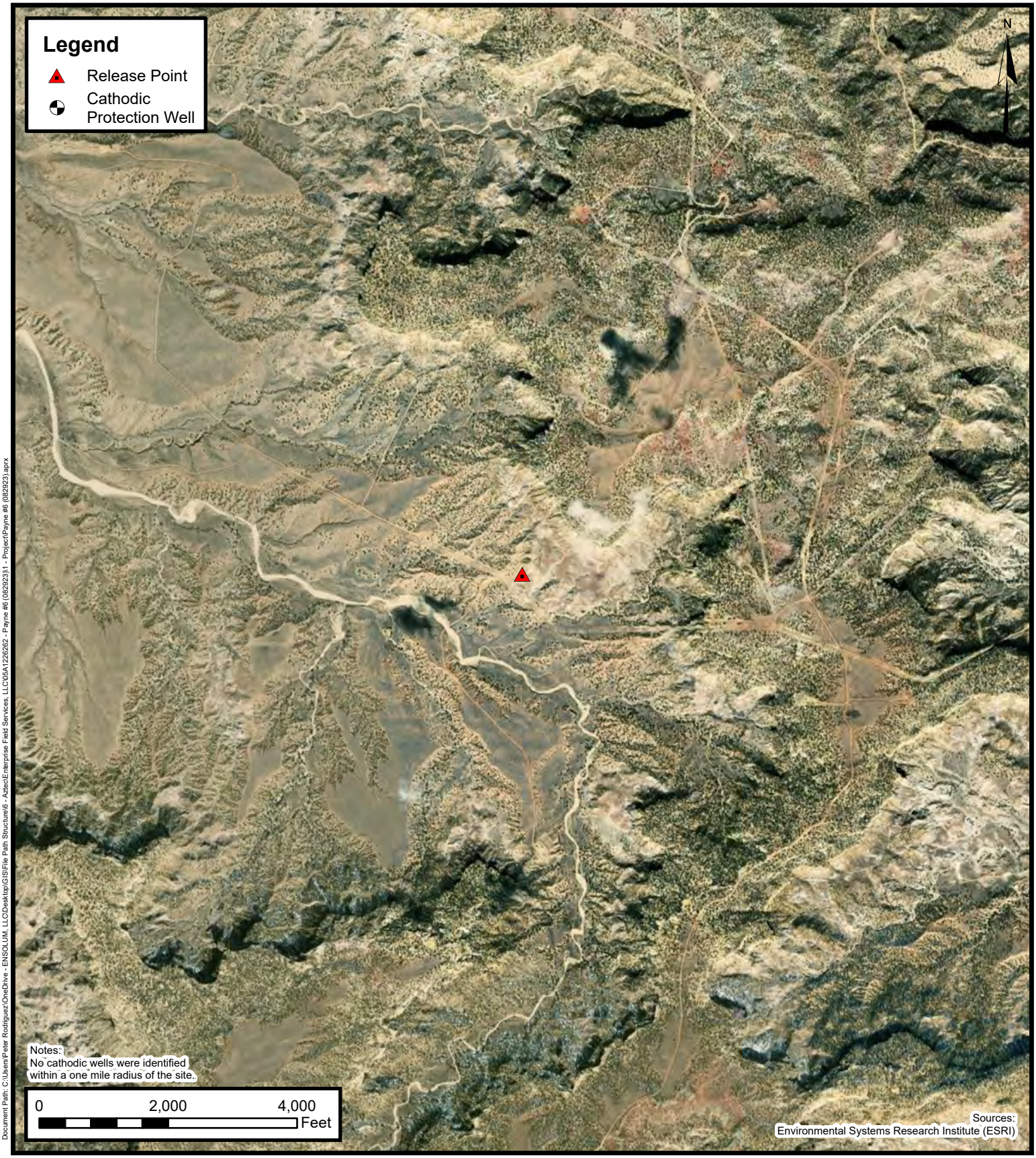
ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

1.0 Mile Radius Water Well/POD Location Map

Enterprise Field Services, LLC
Payne #6 (08/29/23)
Project Number: 05A1226262
Unit Letter E, S14 T25N R8W, San Juan County, New Mexico
36.40321, -107.65787

FIGURE

A



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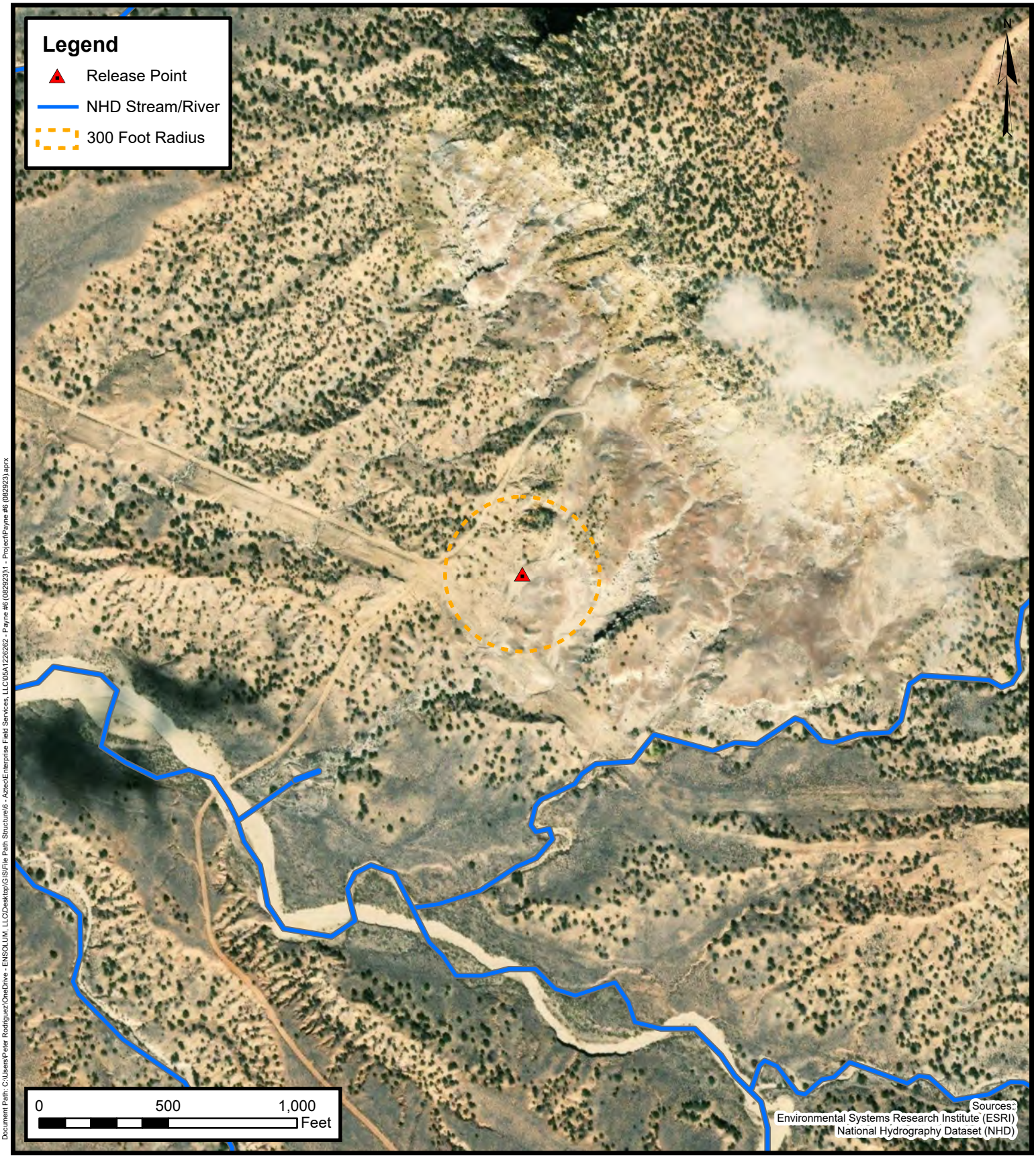
ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

Cathodic Protection Well Recorded Depth to Water

Enterprise Field Services, LLC
Payne #6 (08/29/23)
Project Number: 05A1226262
Unit Letter E, S14 T25N R8W, San Juan County, New Mexico
36.40321, -107.65787

FIGURE

B



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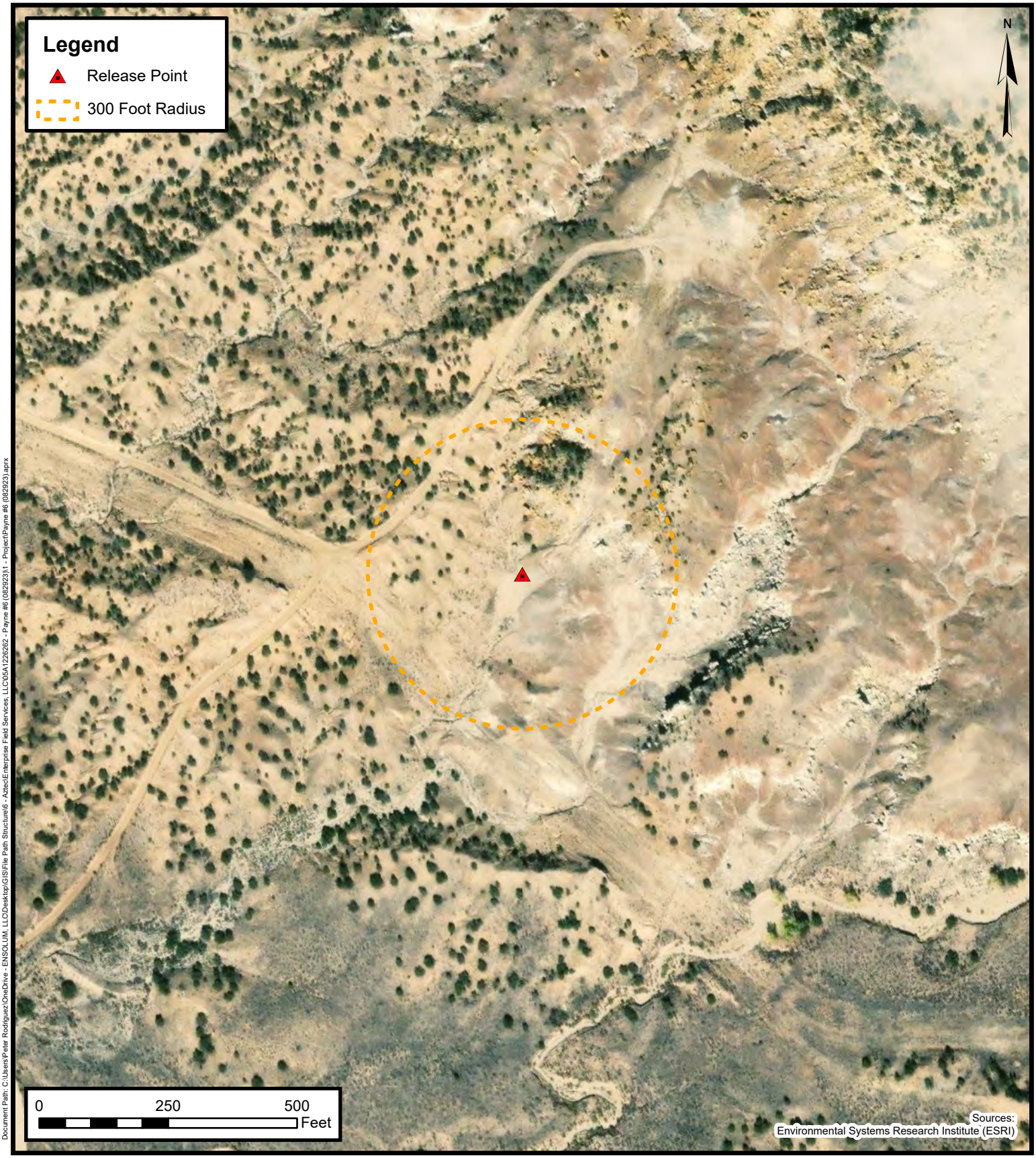
Environmental, Engineering and Hydrogeologic Consultants

300 Foot Radius Watercourse and Drainage Identification

Enterprise Field Services, LLC
Payne #6 (08/29/23)
Project Number: 05A1226262
Unit Letter E, S14 T25N R8W, San Juan County, New Mexico
36.40321, -107.65787

FIGURE

C



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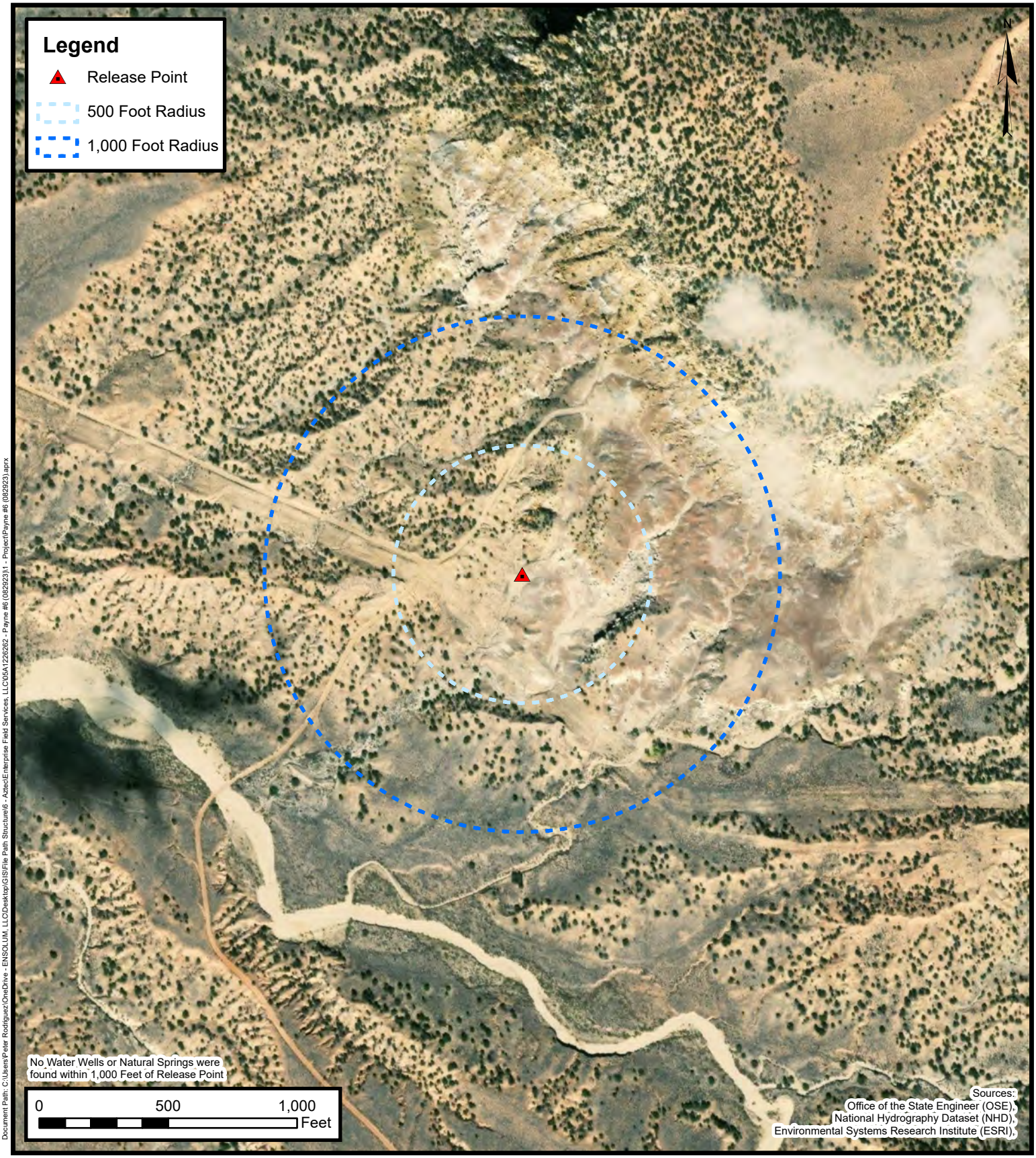
ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

300 Foot Radius Occupied Structure Identification

Enterprise Field Services, LLC
Payne #6 (08/29/23)
Project Number: 05A1226262
Unit Letter E, S14 T25N R8W, San Juan County, New Mexico
36.40321, -107.65787

FIGURE

D



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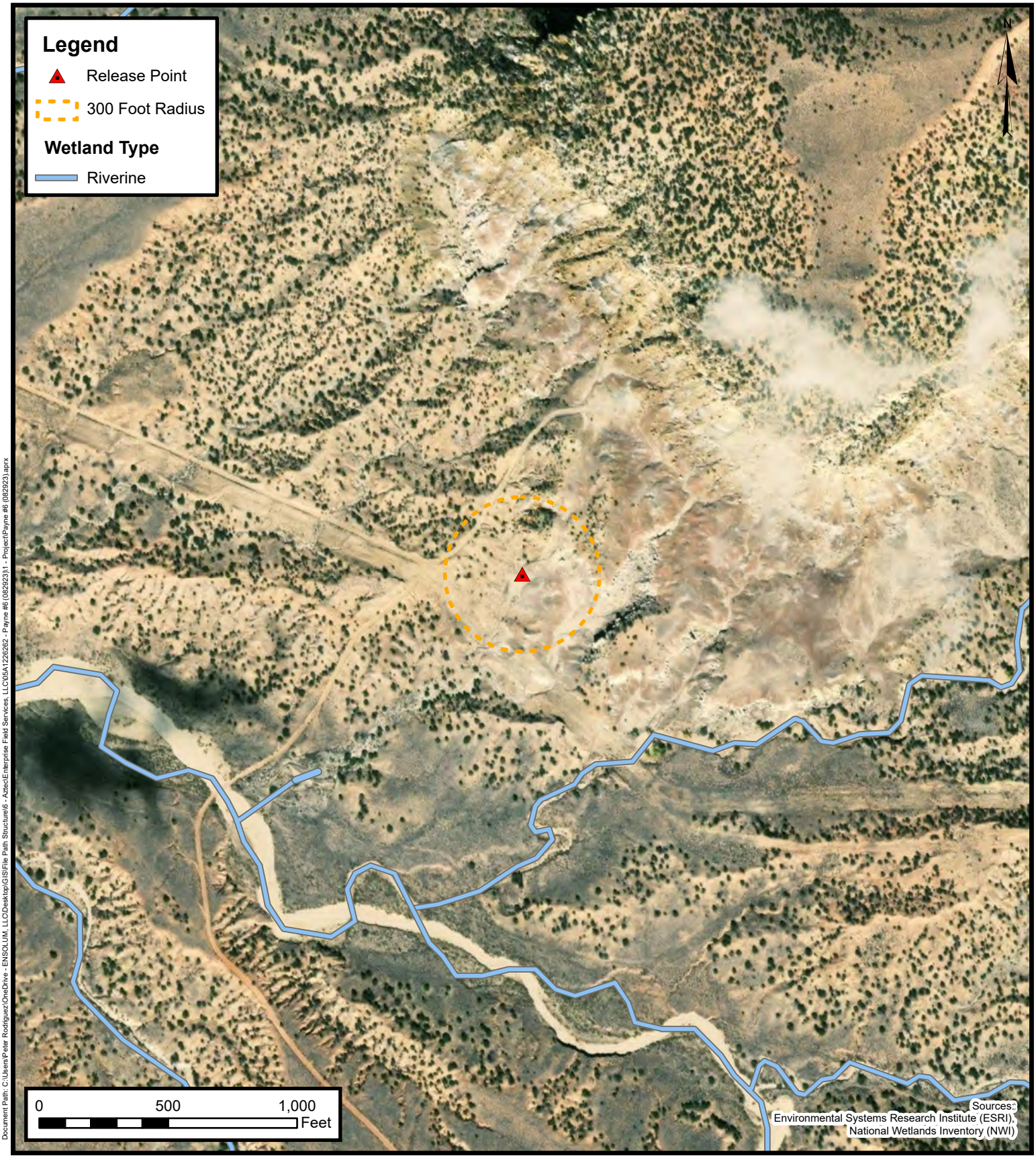
ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

Water Well and Natural Spring Location
Enterprise Field Services, LLC
Payne #6 (08/29/23)
Project Number: 05A1226262
Unit Letter E, S14 T25N R8W, San Juan County, New Mexico
36.40321, -107.65787

FIGURE
E

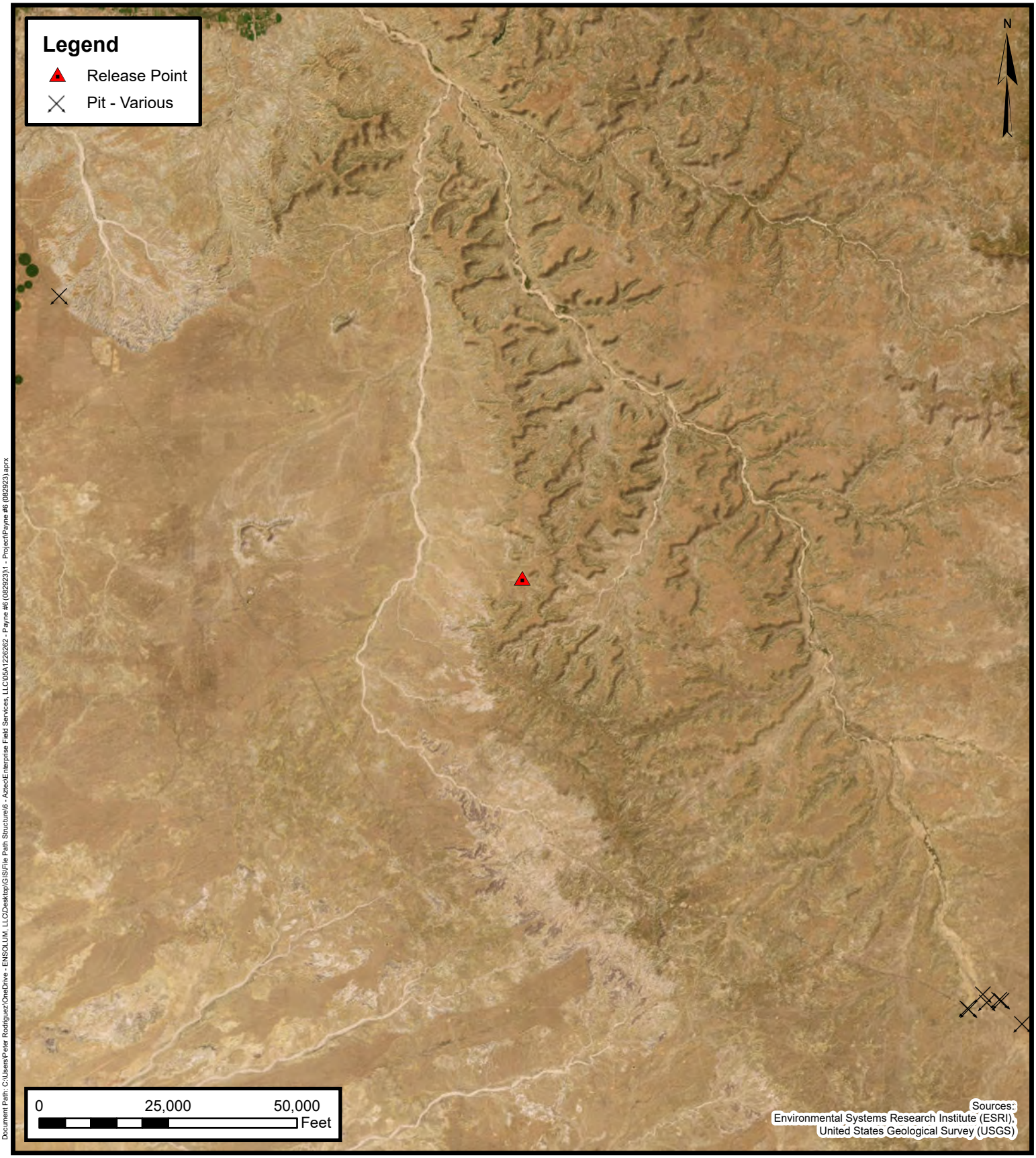


ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

Wetlands

Enterprise Field Services, LLC
Payne #6 (08/29/23)
Project Number: 05A1226262
Unit Letter E, S14 T25N R8W, San Juan County, New Mexico
36.40321, -107.65787

FIGURE
F



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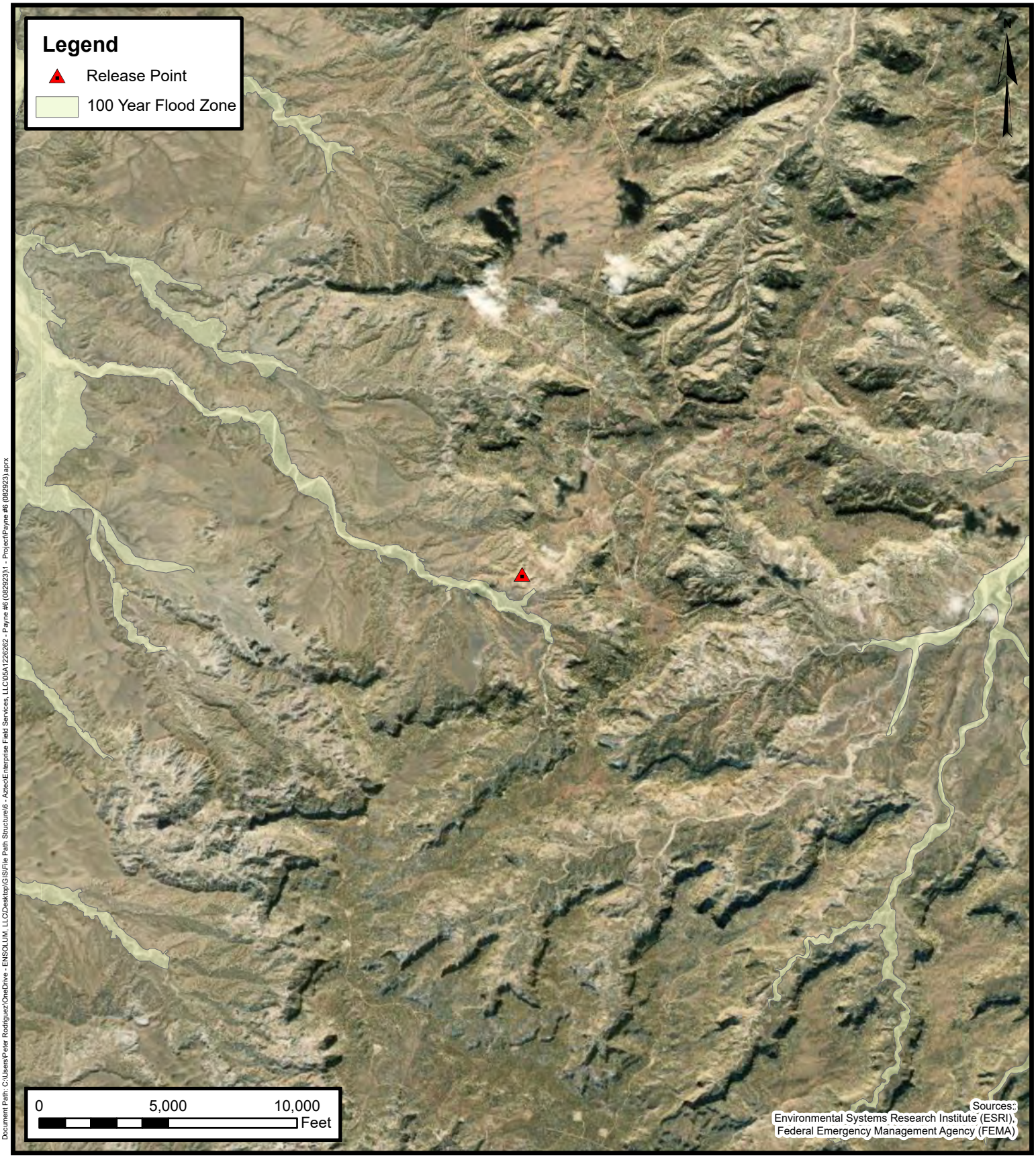
ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

Mines, Mills, and Quarries

Enterprise Field Services, LLC
Payne #6 (08/29/23)
Project Number: 05A1226262
Unit Letter E, S14 T25N R8W, San Juan County, New Mexico
36.40321, -107.65787

FIGURE
G



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ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

100-Year Flood Plain Map

Enterprise Field Services, LLC
Payne #6 (08/29/23)
Project Number: 05A1226262
Unit Letter E, S14 T25N R8W, San Juan County, New Mexico
36.40321, -107.65787

FIGURE

H

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

No records found.

PLSS Search:

Section(s): 14, 10, 11, 12, 13, 15, 22, 23, 24 **Township:** 25N **Range:** 08W

ENSOLUM

APPENDIX C

Executed C-138 Solid Waste Acceptance Form

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.

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. Generator Name and Address:
Enterprise Field Services, LLC, 614 Reilly Ave, Farmington NM 87401

PayKey:AM14058
PM: ME Eddleman
AFE: N66908

2. Originating Site:
Payne #6

3. Location of Material (Street Address, City, State or ULSTR):
UL E Section 14 T25N R8W; 36.402590, -107.685720 Aug / Sept.

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 (yd³ / bbls) Known Volume (to be entered by the operator at the end of the haul) 600 (yd³) 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) 8-16-2023, representative for Enterprise Products Operating authorizes Envirotech, Inc. to complete
Generator Signature
the required testing/sign the Generator Waste Testing Certification.

I, _____, 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: Enterprise Contractors

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: 8/24/23
SIGNATURE: _____ TELEPHONE NO.: 505-632-0615
Surface Waste Management Facility Authorized Agent

ENSOLUM

APPENDIX D

Photographic Documentation

SITE PHOTOGRAPHS

Closure Report
Enterprise Field Services, LLC
Payne #6 (08/29/23)
Ensolum Project No. 05A1226262

ENSOLUM

Photograph 1 Photograph Description: View of the in-process excavation activities.	
Photograph 2 Photograph Description: View of the in-process excavation activities.	
Photograph 3 Photograph Description: View of the final excavation.	

SITE PHOTOGRAPHS

Closure Report
Enterprise Field Services, LLC
Payne #6 (08/29/23)
Ensolum Project No. 05A1226262

ENSOLUM

Photograph 4 Photograph Description: View of the site after initial restoration.	

ENSOLUM

APPENDIX E

Regulatory Correspondence

From: Kyle Summers
To: Chad D"Aponti
Cc: Ranee Deechilly
Subject: FW: [EXTERNAL] Payne #6 - UL E Section 14 T25N R8W; 36.402590, -107.685720: NMOCD Incident # nAPP2324151130
Date: Tuesday, September 5, 2023 11:05:51 AM
Attachments: Outlook-lqi5k3do.png
image003.png
image004.png
image005.png

Kyle Summers
Principal
903-821-5603
Ensolum, LLC

From: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Sent: Tuesday, September 5, 2023 10:19 AM
To: Long, Thomas <tjlong@eprod.com>; 'aadeloye@blm.gov' <aadeloye@blm.gov>
Cc: Stone, Brian <bmstone@eprod.com>; Kyle Summers <ksummers@ensolum.com>
Subject: Re: [EXTERNAL] Payne #6 - UL E Section 14 T25N R8W; 36.402590, -107.685720: NMOCD Incident # nAPP2324151130

[**EXTERNAL EMAIL**]

Tom,

Thank you for the notice. Your variance request specifically addressing 19.15.29.12D (1a) NMAC is approved.

If an OCD representative is not on-site on the date &/or time given, please sample per 19.15.29 NMAC or from an OCD pre-approved sampling plan. For whatever reason, if the sampling timeframe is altered, please notify the OCD as soon as possible so we may adjust our schedule(s). Failure to notify the OCD of this change may result in the closure sample(s) not being accepted.

Please keep a copy of this communication for inclusion within the appropriate report submittal.

The OCD requires a copy of all correspondence relative to remedial activities be included in all proposals and/or final closure reports. Correspondence required to be included in reports may include, but not limited to, notifications for liner inspections, sample events,

spill/release/fire, and request for time extensions or variances.

Regards,

Nelson Velez ● Environmental Specialist - Adv

Environmental Bureau | EMNRD - Oil Conservation Division

1000 Rio Brazos Road | Aztec, NM 87410

(505) 469-6146 | nelson.velez@emnrd.nm.gov

http://www.emnrd.state.nm.us/OCD/

From: Long, Thomas <tjlong@eprod.com>
Sent: Tuesday, September 5, 2023 8:32 AM
To: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>; 'aadeloye@blm.gov' <aadeloye@blm.gov>
Cc: Stone, Brian <bmstone@eprod.com>; Kyle Summers <ksummers@ensolum.com>
Subject: [EXTERNAL] Payne #6 - UL E Section 14 T25N R8W; 36.402590, -107.685720: NMOCD Incident # nAPP2324151130

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Nelson/Emmanuel,

I forgot to send notification last week for sampling today. Enterprise is requesting a variance for required 48 hour notification per 19.15.29.12D (1a) NMAC. Enterprise would like to collect soil samples for laboratory analysis today September 5, 2023, at 9:00 a.m. at the Payne #6 excavation. Please acknowledge acceptance of this variance request. 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

ENSOLUM

APPENDIX F

Table 1 – Soil Analytical Summary

ENSOLUM

TABLE 1
Payne #6 (08/29/23)
SOIL ANALYTICAL SUMMARY

Sample I.D.	Date	Sample Type C- Composite G - Grab	Sample Depth (feet)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Total BTEX[1] (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH MRO (mg/kg)	Total Combined TPH (GRO/DRO/MRO)[1] (mg/kg)	Chloride (mg/kg)
New Mexico Energy, Mineral & Natural Resources Department Oil Conservation Division Closure Criteria (Tier I)				**10**	**NE**	**NE**	**NE**	**50**	**NE**	**NE**	**NE**	**100**	**600**
Excavation Composite Soil Samples													
S-1	9.05.23	C	12	<0.019	<0.039	<0.039	<0.078	ND	<3.9	<9.3	<47	ND	<60
S-2	9.05.23	C	12	<0.023	<0.047	<0.047	<0.094	ND	<4.7	<9.4	<47	ND	<60
S-3	9.05.23	C	12	<0.021	<0.043	<0.043	<0.086	ND	<4.3	<9.1	<46	ND	<60
S-4	9.05.23	C	0 to 12	<0.027	<0.053	<0.053	<0.11	ND	<5.3	10	<49	10	<60
S-5	9.05.23	C	0 to 12	<0.018	<0.036	<0.036	<0.072	ND	<3.6	<9.6	<48	ND	<60
S-6	9.05.23	C	0 to 12	<0.025	0.17	0.11	0.91	1.2	17	17	<46	34	<60
S-7	9.05.23	C	0 to 12	<0.023	0.10	0.068	0.56	0.73	11	17	<50	28	<61
S-8	9.05.23	C	0 to 12	<0.022	0.073	0.063	0.48	0.62	11	15	<48	26	<60
S-9	9.05.23	C	0 to 12	<0.017	<0.033	<0.033	<0.066	ND	<3.3	<9.1	<46	ND	<60
S-10	9.05.23	C	0 to 12	<0.016	<0.032	<0.032	<0.065	ND	<3.2	<9.5	<48	ND	<60
S-11	9.05.23	C	0 to 12	<0.017	<0.034	<0.034	<0.068	ND	<3.4	<9.4	<47	ND	<60

[1] = 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 = milligrams 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

ENSOLUM

APPENDIX G

Laboratory Data Sheets & Chain of Custody Documentation

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

September 12, 2023

Kyle Summers

ENSOLUM
606 S. Rio Grande Suite A
Aztec, NM 87410
TEL: (903) 821-5603
FAX:

RE: Payne 6 OrderNo.: 2309148

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 11 sample(s) on 9/6/2023 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 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,

Andy Freeman

Laboratory Manager

4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2309148**
Date Reported: **9/12/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM **Client Sample ID:** S-1
Project: Payne 6 **Collection Date:** 9/5/2023 10:00:00 AM
Lab ID: 2309148-001 **Matrix:** MEOH (SOIL) **Received Date:** 9/6/2023 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	9/6/2023 11:40:46 AM	77320
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**	
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	9/6/2023 10:15:32 AM	77314
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	9/6/2023 10:15:32 AM	77314
Surr: DNOP	103	69-147		%Rec	1	9/6/2023 10:15:32 AM	77314
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**	
Gasoline Range Organics (GRO)	ND	3.9		mg/Kg	1	9/6/2023 10:49:00 AM	G99469
Surr: BFB	99.0	15-244		%Rec	1	9/6/2023 10:49:00 AM	G99469
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**	
Benzene	ND	0.019		mg/Kg	1	9/6/2023 10:49:00 AM	R99469
Toluene	ND	0.039		mg/Kg	1	9/6/2023 10:49:00 AM	R99469
Ethylbenzene	ND	0.039		mg/Kg	1	9/6/2023 10:49:00 AM	R99469
Xylenes, Total	ND	0.078		mg/Kg	1	9/6/2023 10:49:00 AM	R99469
Surr: 4-Bromofluorobenzene	90.2	39.1-146		%Rec	1	9/6/2023 10:49:00 AM	R99469

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2309148**
Date Reported: **9/12/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM **Client Sample ID:** S-2
Project: Payne 6 **Collection Date:** 9/5/2023 10:05:00 AM
Lab ID: 2309148-002 **Matrix:** MEOH (SOIL) **Received Date:** 9/6/2023 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	9/6/2023 11:53:07 AM	77320
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**	
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	9/6/2023 10:26:09 AM	77314
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	9/6/2023 10:26:09 AM	77314
Surr: DNOP	95.9	69-147		%Rec	1	9/6/2023 10:26:09 AM	77314
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	9/6/2023 11:10:00 AM	G99469
Surr: BFB	99.5	15-244		%Rec	1	9/6/2023 11:10:00 AM	G99469
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**	
Benzene	ND	0.023		mg/Kg	1	9/6/2023 11:10:00 AM	R99469
Toluene	ND	0.047		mg/Kg	1	9/6/2023 11:10:00 AM	R99469
Ethylbenzene	ND	0.047		mg/Kg	1	9/6/2023 11:10:00 AM	R99469
Xylenes, Total	ND	0.094		mg/Kg	1	9/6/2023 11:10:00 AM	R99469
Surr: 4-Bromofluorobenzene	90.7	39.1-146		%Rec	1	9/6/2023 11:10:00 AM	R99469

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2309148**
Date Reported: **9/12/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM **Client Sample ID:** S-3
Project: Payne 6 **Collection Date:** 9/5/2023 10:10:00 AM
Lab ID: 2309148-003 **Matrix:** MEOH (SOIL) **Received Date:** 9/6/2023 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	9/6/2023 12:05:27 PM	77320
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**	
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	9/6/2023 10:36:45 AM	77314
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	9/6/2023 10:36:45 AM	77314
Surr: DNOP	93.3	69-147		%Rec	1	9/6/2023 10:36:45 AM	77314
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**	
Gasoline Range Organics (GRO)	ND	4.3		mg/Kg	1	9/6/2023 11:32:00 AM	G99469
Surr: BFB	98.4	15-244		%Rec	1	9/6/2023 11:32:00 AM	G99469
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**	
Benzene	ND	0.021		mg/Kg	1	9/6/2023 11:32:00 AM	R99469
Toluene	ND	0.043		mg/Kg	1	9/6/2023 11:32:00 AM	R99469
Ethylbenzene	ND	0.043		mg/Kg	1	9/6/2023 11:32:00 AM	R99469
Xylenes, Total	ND	0.086		mg/Kg	1	9/6/2023 11:32:00 AM	R99469
Surr: 4-Bromofluorobenzene	89.9	39.1-146		%Rec	1	9/6/2023 11:32:00 AM	R99469

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2309148**
Date Reported: **9/12/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM **Client Sample ID:** S-4
Project: Payne 6 **Collection Date:** 9/5/2023 10:15:00 AM
Lab ID: 2309148-004 **Matrix:** MEOH (SOIL) **Received Date:** 9/6/2023 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	9/6/2023 12:17:48 PM	77320
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**	
Diesel Range Organics (DRO)	10	9.7		mg/Kg	1	9/6/2023 10:47:19 AM	77314
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	9/6/2023 10:47:19 AM	77314
Surr: DNOP	102	69-147		%Rec	1	9/6/2023 10:47:19 AM	77314
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**	
Gasoline Range Organics (GRO)	ND	5.3		mg/Kg	1	9/6/2023 11:54:00 AM	G99469
Surr: BFB	99.0	15-244		%Rec	1	9/6/2023 11:54:00 AM	G99469
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**	
Benzene	ND	0.027		mg/Kg	1	9/6/2023 11:54:00 AM	R99469
Toluene	ND	0.053		mg/Kg	1	9/6/2023 11:54:00 AM	R99469
Ethylbenzene	ND	0.053		mg/Kg	1	9/6/2023 11:54:00 AM	R99469
Xylenes, Total	ND	0.11		mg/Kg	1	9/6/2023 11:54:00 AM	R99469
Surr: 4-Bromofluorobenzene	89.1	39.1-146		%Rec	1	9/6/2023 11:54:00 AM	R99469

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2309148**
Date Reported: **9/12/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM **Client Sample ID:** S-5
Project: Payne 6 **Collection Date:** 9/5/2023 10:20:00 AM
Lab ID: 2309148-005 **Matrix:** MEOH (SOIL) **Received Date:** 9/6/2023 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	9/6/2023 12:30:09 PM	77320
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**	
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	9/6/2023 10:57:53 AM	77314
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/6/2023 10:57:53 AM	77314
Surr: DNOP	95.9	69-147		%Rec	1	9/6/2023 10:57:53 AM	77314
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**	
Gasoline Range Organics (GRO)	ND	3.6		mg/Kg	1	9/6/2023 12:16:00 PM	G99469
Surr: BFB	97.1	15-244		%Rec	1	9/6/2023 12:16:00 PM	G99469
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**	
Benzene	ND	0.018		mg/Kg	1	9/6/2023 12:16:00 PM	R99469
Toluene	ND	0.036		mg/Kg	1	9/6/2023 12:16:00 PM	R99469
Ethylbenzene	ND	0.036		mg/Kg	1	9/6/2023 12:16:00 PM	R99469
Xylenes, Total	ND	0.072		mg/Kg	1	9/6/2023 12:16:00 PM	R99469
Surr: 4-Bromofluorobenzene	87.8	39.1-146		%Rec	1	9/6/2023 12:16:00 PM	R99469

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2309148**
Date Reported: **9/12/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM **Client Sample ID:** S-6
Project: Payne 6 **Collection Date:** 9/5/2023 10:25:00 AM
Lab ID: 2309148-006 **Matrix:** MEOH (SOIL) **Received Date:** 9/6/2023 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	9/6/2023 12:42:30 PM	77320
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**	
Diesel Range Organics (DRO)	17	9.3		mg/Kg	1	9/6/2023 11:08:27 AM	77314
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	9/6/2023 11:08:27 AM	77314
Surr: DNOP	98.1	69-147		%Rec	1	9/6/2023 11:08:27 AM	77314
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**	
Gasoline Range Organics (GRO)	17	5.0		mg/Kg	1	9/6/2023 12:37:00 PM	G99469
Surr: BFB	191	15-244		%Rec	1	9/6/2023 12:37:00 PM	G99469
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**	
Benzene	ND	0.025		mg/Kg	1	9/6/2023 12:37:00 PM	R99469
Toluene	0.17	0.050		mg/Kg	1	9/6/2023 12:37:00 PM	R99469
Ethylbenzene	0.11	0.050		mg/Kg	1	9/6/2023 12:37:00 PM	R99469
Xylenes, Total	0.91	0.10		mg/Kg	1	9/6/2023 12:37:00 PM	R99469
Surr: 4-Bromofluorobenzene	110	39.1-146		%Rec	1	9/6/2023 12:37:00 PM	R99469

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2309148**
Date Reported: **9/12/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM **Client Sample ID:** S-7
Project: Payne 6 **Collection Date:** 9/5/2023 10:30:00 AM
Lab ID: 2309148-007 **Matrix:** MEOH (SOIL) **Received Date:** 9/6/2023 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	61		mg/Kg	20	9/6/2023 12:54:51 PM	77320
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**	
Diesel Range Organics (DRO)	17	10		mg/Kg	1	9/6/2023 11:29:36 AM	77314
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	9/6/2023 11:29:36 AM	77314
Surr: DNOP	99.3	69-147		%Rec	1	9/6/2023 11:29:36 AM	77314
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**	
Gasoline Range Organics (GRO)	11	4.6		mg/Kg	1	9/6/2023 12:59:00 PM	G99469
Surr: BFB	163	15-244		%Rec	1	9/6/2023 12:59:00 PM	G99469
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**	
Benzene	ND	0.023		mg/Kg	1	9/6/2023 12:59:00 PM	R99469
Toluene	0.10	0.046		mg/Kg	1	9/6/2023 12:59:00 PM	R99469
Ethylbenzene	0.068	0.046		mg/Kg	1	9/6/2023 12:59:00 PM	R99469
Xylenes, Total	0.56	0.093		mg/Kg	1	9/6/2023 12:59:00 PM	R99469
Surr: 4-Bromofluorobenzene	103	39.1-146		%Rec	1	9/6/2023 12:59:00 PM	R99469

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2309148**
Date Reported: **9/12/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM **Client Sample ID:** S-8
Project: Payne 6 **Collection Date:** 9/5/2023 10:35:00 AM
Lab ID: 2309148-008 **Matrix:** MEOH (SOIL) **Received Date:** 9/6/2023 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	9/6/2023 1:07:12 PM	77320
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**	
Diesel Range Organics (DRO)	15	9.5		mg/Kg	1	9/6/2023 11:40:11 AM	77314
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/6/2023 11:40:11 AM	77314
Surr: DNOP	103	69-147		%Rec	1	9/6/2023 11:40:11 AM	77314
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**	
Gasoline Range Organics (GRO)	11	4.5		mg/Kg	1	9/6/2023 1:21:00 PM	G99469
Surr: BFB	167	15-244		%Rec	1	9/6/2023 1:21:00 PM	G99469
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**	
Benzene	ND	0.022		mg/Kg	1	9/6/2023 1:21:00 PM	R99469
Toluene	0.073	0.045		mg/Kg	1	9/6/2023 1:21:00 PM	R99469
Ethylbenzene	0.063	0.045		mg/Kg	1	9/6/2023 1:21:00 PM	R99469
Xylenes, Total	0.48	0.089		mg/Kg	1	9/6/2023 1:21:00 PM	R99469
Surr: 4-Bromofluorobenzene	105	39.1-146		%Rec	1	9/6/2023 1:21:00 PM	R99469

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2309148**
Date Reported: **9/12/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM **Client Sample ID:** S-9
Project: Payne 6 **Collection Date:** 9/5/2023 10:40:00 AM
Lab ID: 2309148-009 **Matrix:** MEOH (SOIL) **Received Date:** 9/6/2023 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	9/6/2023 1:44:13 PM	77320
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**	
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	9/6/2023 11:50:48 AM	77314
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	9/6/2023 11:50:48 AM	77314
Surr: DNOP	95.2	69-147		%Rec	1	9/6/2023 11:50:48 AM	77314
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**	
Gasoline Range Organics (GRO)	ND	3.3		mg/Kg	1	9/6/2023 1:43:00 PM	G99469
Surr: BFB	102	15-244		%Rec	1	9/6/2023 1:43:00 PM	G99469
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**	
Benzene	ND	0.017		mg/Kg	1	9/6/2023 1:43:00 PM	R99469
Toluene	ND	0.033		mg/Kg	1	9/6/2023 1:43:00 PM	R99469
Ethylbenzene	ND	0.033		mg/Kg	1	9/6/2023 1:43:00 PM	R99469
Xylenes, Total	ND	0.066		mg/Kg	1	9/6/2023 1:43:00 PM	R99469
Surr: 4-Bromofluorobenzene	92.7	39.1-146		%Rec	1	9/6/2023 1:43:00 PM	R99469

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2309148**
Date Reported: **9/12/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM **Client Sample ID:** S-10
Project: Payne 6 **Collection Date:** 9/5/2023 10:45:00 AM
Lab ID: 2309148-010 **Matrix:** MEOH (SOIL) **Received Date:** 9/6/2023 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	9/6/2023 1:56:35 PM	77320
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**	
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	9/6/2023 12:01:23 PM	77314
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/6/2023 12:01:23 PM	77314
Surr: DNOP	100	69-147		%Rec	1	9/6/2023 12:01:23 PM	77314
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**	
Gasoline Range Organics (GRO)	ND	3.2		mg/Kg	1	9/6/2023 2:04:00 PM	G99469
Surr: BFB	102	15-244		%Rec	1	9/6/2023 2:04:00 PM	G99469
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**	
Benzene	ND	0.016		mg/Kg	1	9/6/2023 2:04:00 PM	R99469
Toluene	ND	0.032		mg/Kg	1	9/6/2023 2:04:00 PM	R99469
Ethylbenzene	ND	0.032		mg/Kg	1	9/6/2023 2:04:00 PM	R99469
Xylenes, Total	ND	0.065		mg/Kg	1	9/6/2023 2:04:00 PM	R99469
Surr: 4-Bromofluorobenzene	92.5	39.1-146		%Rec	1	9/6/2023 2:04:00 PM	R99469

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2309148**
Date Reported: **9/12/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM **Client Sample ID:** S-11
Project: Payne 6 **Collection Date:** 9/5/2023 10:50:00 AM
Lab ID: 2309148-011 **Matrix:** MEOH (SOIL) **Received Date:** 9/6/2023 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	9/6/2023 2:08:56 PM	77320
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**	
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	9/6/2023 12:12:03 PM	77314
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	9/6/2023 12:12:03 PM	77314
Surr: DNOP	94.8	69-147		%Rec	1	9/6/2023 12:12:03 PM	77314
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**	
Gasoline Range Organics (GRO)	ND	3.4		mg/Kg	1	9/6/2023 2:48:00 PM	G99469
Surr: BFB	104	15-244		%Rec	1	9/6/2023 2:48:00 PM	G99469
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**	
Benzene	ND	0.017		mg/Kg	1	9/6/2023 2:48:00 PM	R99469
Toluene	ND	0.034		mg/Kg	1	9/6/2023 2:48:00 PM	R99469
Ethylbenzene	ND	0.034		mg/Kg	1	9/6/2023 2:48:00 PM	R99469
Xylenes, Total	ND	0.068		mg/Kg	1	9/6/2023 2:48:00 PM	R99469
Surr: 4-Bromofluorobenzene	94.0	39.1-146		%Rec	1	9/6/2023 2:48:00 PM	R99469

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2309148**

12-Sep-23

Client: ENSOLUM

Project: Payne 6

Sample ID: **MB-77320**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS**	Batch ID: **77320**	RunNo: **99476**
Prep Date: **9/6/2023**	Analysis Date: **9/6/2023**	SeqNo: **3633424** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-77320**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS**	Batch ID: **77320**	RunNo: **99476**
Prep Date: **9/6/2023**	Analysis Date: **9/6/2023**	SeqNo: **3633425** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.4	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 Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2309148**

12-Sep-23

Client: ENSOLUM

Project: Payne 6

Sample ID: **LCS-77314**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **77314**	RunNo: **99472**
Prep Date: **9/6/2023**	Analysis Date: **9/6/2023**	SeqNo: **3631749** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	10	50.00	0	94.8	61.9	130			
Surr: DNOP	4.8		5.000		95.4	69	147			

Sample ID: **MB-77314**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **77314**	RunNo: **99472**
Prep Date: **9/6/2023**	Analysis Date: **9/6/2023**	SeqNo: **3631750** Units: **mg/Kg**

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	10		10.00		102	69	147			

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 Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2309148**

12-Sep-23

Client: ENSOLUM

Project: Payne 6

Sample ID: **2.5ug gro lcs**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **G99469**	RunNo: **99469**
Prep Date:	Analysis Date: **9/6/2023**	SeqNo: **3631629** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	94.7	70	130			
Surr: BFB	2200		1000		222	15	244			

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **G99469**	RunNo: **99469**
Prep Date:	Analysis Date: **9/6/2023**	SeqNo: **3631630** Units: **mg/Kg**

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		104	15	244			

Sample ID: **2309148-001ams**	SampType: **MS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **S-1**	Batch ID: **G99469**	RunNo: **99469**
Prep Date:	Analysis Date: **9/6/2023**	SeqNo: **3632327** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	19	3.9	19.38	0	97.6	70	130			
Surr: BFB	1700		775.2		223	15	244			

Sample ID: **2309148-001amsd**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **S-1**	Batch ID: **G99469**	RunNo: **99469**
Prep Date:	Analysis Date: **9/6/2023**	SeqNo: **3632328** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	18	3.9	19.38	0	93.6	70	130	4.27	20	
Surr: BFB	1700		775.2		216	15	244	0	0	

Sample ID: **2.5ug gro lcs**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **R99469**	RunNo: **99469**
Prep Date:	Analysis Date: **9/6/2023**	SeqNo: **3632337** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	2200		1000		218	15	244			

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **R99469**	RunNo: **99469**
Prep Date:	Analysis Date: **9/6/2023**	SeqNo: **3632338** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1000		1000		99.8	15	244			

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 Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2309148**

12-Sep-23

Client: ENSOLUM

Project: Payne 6

Sample ID: **100ng btex lcs**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **R99469**	RunNo: **99469**
Prep Date:	Analysis Date: **9/6/2023**	SeqNo: **3631635** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.92	0.025	1.000	0	92.3	70	130			
Toluene	0.93	0.050	1.000	0	93.3	70	130			
Ethylbenzene	0.96	0.050	1.000	0	95.6	70	130			
Xylenes, Total	2.9	0.10	3.000	0	95.9	70	130			
Surr: 4-Bromofluorobenzene	0.95		1.000		95.2	39.1	146			

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **R99469**	RunNo: **99469**
Prep Date:	Analysis Date: **9/6/2023**	SeqNo: **3631636** Units: **mg/Kg**

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	0.96		1.000		95.6	39.1	146			

Sample ID: **2309148-002ams**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **S-2**	Batch ID: **R99469**	RunNo: **99469**
Prep Date:	Analysis Date: **9/6/2023**	SeqNo: **3632739** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.84	0.023	0.9398	0	89.6	70	130			
Toluene	0.85	0.047	0.9398	0	90.6	70	130			
Ethylbenzene	0.87	0.047	0.9398	0	93.0	70	130			
Xylenes, Total	2.6	0.094	2.819	0	93.2	70	130			
Surr: 4-Bromofluorobenzene	0.88		0.9398		93.5	39.1	146			

Sample ID: **2309148-002amsd**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **S-2**	Batch ID: **R99469**	RunNo: **99469**
Prep Date:	Analysis Date: **9/6/2023**	SeqNo: **3632740** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.84	0.023	0.9398	0	89.8	70	130	0.212	20	
Toluene	0.85	0.047	0.9398	0	90.6	70	130	0.100	20	
Ethylbenzene	0.87	0.047	0.9398	0	92.6	70	130	0.387	20	
Xylenes, Total	2.6	0.094	2.819	0	92.8	70	130	0.372	20	
Surr: 4-Bromofluorobenzene	0.89		0.9398		94.4	39.1	146	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 Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: ENSOLUM | Work Order Number: 2309148 | RcptNo: 1

Received By: Tracy Casarrubias 9/6/2023 7:00:00 AM

Completed By: Tracy Casarrubias 9/6/2023 7:23:04 AM

Reviewed By: SCM 9/6/23

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° C to 6.0°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 ☐	# of preserved bottles checked for pH: (<2 or >12 unless noted)
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	Adjusted?
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 ☐	Checked by: TMC 9/6/23

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: Phone number and Email/Fax are missing on COC- TMC 9/6/23

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.5	Good	Yes	Yogi		

Chain-of-Custody Record

Client: Ensolum, LLC

Mailing Address: 606 S Rio Grande Suit A 87410

Phone #:

email or Fax#:

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other
☐ EDD (Type)

Turn-Around Time: 10 days
☐ Standard ☒ Rush 9-6-23

Project Name: Payne #6

Project #:

Project Manager: K Summers

Sampler: C DAPont;

On Ice: ☒ Yes ☐ No 1 Ice

# of Coolers: 1

Cooler Temp(Including CF): 3.5-0=3.5 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2309148	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_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
9/5	1000	S	S-1	1 4oz Jar	Cool	001	✓	✓					✓			
9/5	1005	S	S-2			002	✓	✓					✓			
9/5	1010	S	S-3			003	✓	✓					✓			
9/5	1015	S	S-4			004	✓	✓					✓			
9/5	1020	S	S-5			005	✓	✓					✓			
9/5	1025	S	S-6			006	✓	✓					✓			
9/5	1030	S	S-7			007	✓	✓					✓			
9/5	1035	S	S-8			008	✓	✓					✓			
9/5	1040	S	S-9			009	✓	✓					✓			
9/5	1045	S	S-10			010	✓	✓					✓			
9/5	1050	S	S-11			011	✓	✓					✓			

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
9/5/23	1439				9/5/23	1439
9/6	1747			courier	9/6/23	7:00

Remarks: Tom Long

Send Dog

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 290240

CONDITIONS

Operator: Enterprise Field Services, LLC PO Box 4324 Houston, TX 77210	OGRID: 241602
	Action Number: 290240
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	None	12/1/2023