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	NAPP2319533826
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)* **nAPP2319533826**
Contact mailing address: **614 Reilly Ave, Farmington, NM 87401**	

Location of Release Source

Latitude **36.60446** Longitude **-108.15716** *(NAD 83 in decimal degrees to 5 decimal places)*

Site Name **Gallegos Canyon Unit # 89E DK**	Site Type **Natural Gas Gathering Pipeline**
Date Release Discovered: **07/12/2023**	Serial Number *(if applicable)*: **N/A**

Unit Letter	Section	Township	Range	County
F	**6**	**27N**	**12W**	**San Juan**

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

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 5-10 BBLs**	Volume Recovered (bbls): **None**
☒ Natural Gas	Volume Released (Mcf): **1.0 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 Gallegos Canyon Unit # 89E DK pipeline. The pipeline was isolated, depressurized, locked and tagged out. No fire nor injuries occurred. No liquids were observed on the ground surface. The release was located in a small ephemeral wash (blue line on a TOPO). Repairs and remediation were completed on August 8, 2023. The final excavation dimensions measured approximately 24 feet long by 15 feet wide by 6 feet deep. A total of 192 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	NAPP2319533826
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: 10-16-2023

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

OCD Only

Received by: Shelly Wells Date: 10/16/2023

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: Nelson Velez Date: 02/02/2024

Printed Name: Nelson Velez Title: Environmental Specialist - Adv

ENSOLUM

CLOSURE REPORT

Property:

Gallegos Canyon Unit #89 E DK (07/12/23)
Unit Letter F, S6 T27N R12W
San Juan County, New Mexico

New Mexico EMNRD OCD Incident ID No. NAPP2319533826

October 10, 2023

Ensolum Project No. 05A1226255

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:	Gallegos Canyon Unit #89 E DK (07/12/23) (Site)
NM EMNRD OCD Incident ID No.	NAPP2319533826
Location:	36.60446° North, 108.15716° West Unit Letter F, Section 6, Township 27 North, Range 12 West San Juan County, New Mexico
Property:	Navajo Nation
Regulatory:	Navajo Nation Environmental Protection Agency (NNEPA) and New Mexico (NM) Energy, Minerals and Natural Resources Department (EMNRD) Oil Conservation Division (OCD)

On July 12, 2023, a third party notified Enterprise of a possible release of natural gas on the Gallegos Canyon Unit #89 E DK pipeline. Enterprise personnel verified a leak and subsequently isolated and locked the pipeline out of service. On July 24, 2023, Enterprise initiated activities to repair the pipeline and remediate potential petroleum hydrocarbon impact.

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 NNEPA and the NM EMNRD OCD. Ensolum, LLC (Ensolum) referenced 19.15.29 New Mexico Administrative Code (NMAC), 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 as the Site or in the adjacent PLSS sections (**Figure A**, **Appendix B**).

- Two cathodic protection wells (CPWs) were identified in the NM EMNRD OCD imaging database in the adjacent PLSS sections. These CPWs are depicted on **Figure B** (**Appendix B**). Documentation for the cathodic protection well located near the Navajo D #1 well location

indicates a depth to water of 180 feet bgs. This cathodic protection well is located approximately 0.88 miles northwest of the Site and is approximately 98 feet higher in elevation than the Site. Documentation for the cathodic protection well located near the Gallegos Canyon Unit 137E well location indicates a depth to water between 170 feet and 180 feet bgs. This cathodic protection well is located approximately 1.26 miles northwest of the Site and is approximately 105 feet higher in elevation than the Site.

- The Site is 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 (**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. Applicable closure criteria for 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 July 24, 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 Inc, provided heavy equipment and labor support, while Ensolum provided environmental consulting support.

The final excavation measured approximately 24 feet long and 15 feet wide at the maximum extents. The maximum depth of the excavation measured approximately 6 feet bgs. The lithology encountered during the completion of remediation activities consisted primarily of silty sand underlain by weathered sandstone.

Approximately 192 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 six composite soil samples (S-1 through S-6) from the excavation for laboratory analysis. The composite samples were comprised of five aliquots each and represent an estimated 200 square foot (ft^2) sample area or less per guidelines outlined in Section D of 19.15.29.12 NMAC. Hand tools were utilized to obtain fresh aliquots from each area of the excavation. Regulatory correspondence is provided in **Appendix E**.

Sampling Event

On August 8, 2023, sampling was performed at the Site. The NNEPA and NM EMNRD OCD were notified of the sampling event although no representatives were present during sampling activities. Composite soil sample S-1 (6') and S-2 (6') were collected from the floor of the excavation. Composite soil samples S-3 (0' to 6'), S-4 (0' to 6'), S-5 (0' to 6'), and S-6 (0'-6') 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-6) 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 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-1, S-3, S-4, and S-5 indicate total BTEX concentrations of 0.13 mg/kg, 0.076 mg/kg, 0.22 mg/kg, and 0.076 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-1 through S-6 indicate combined TPH GRO/DRO/MRO concentrations ranging from 11 mg/kg (S-2) to 19 mg/kg (S-4), which is less than the New Mexico 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 are less than the New Mexico 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

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

- Approximately 192 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.

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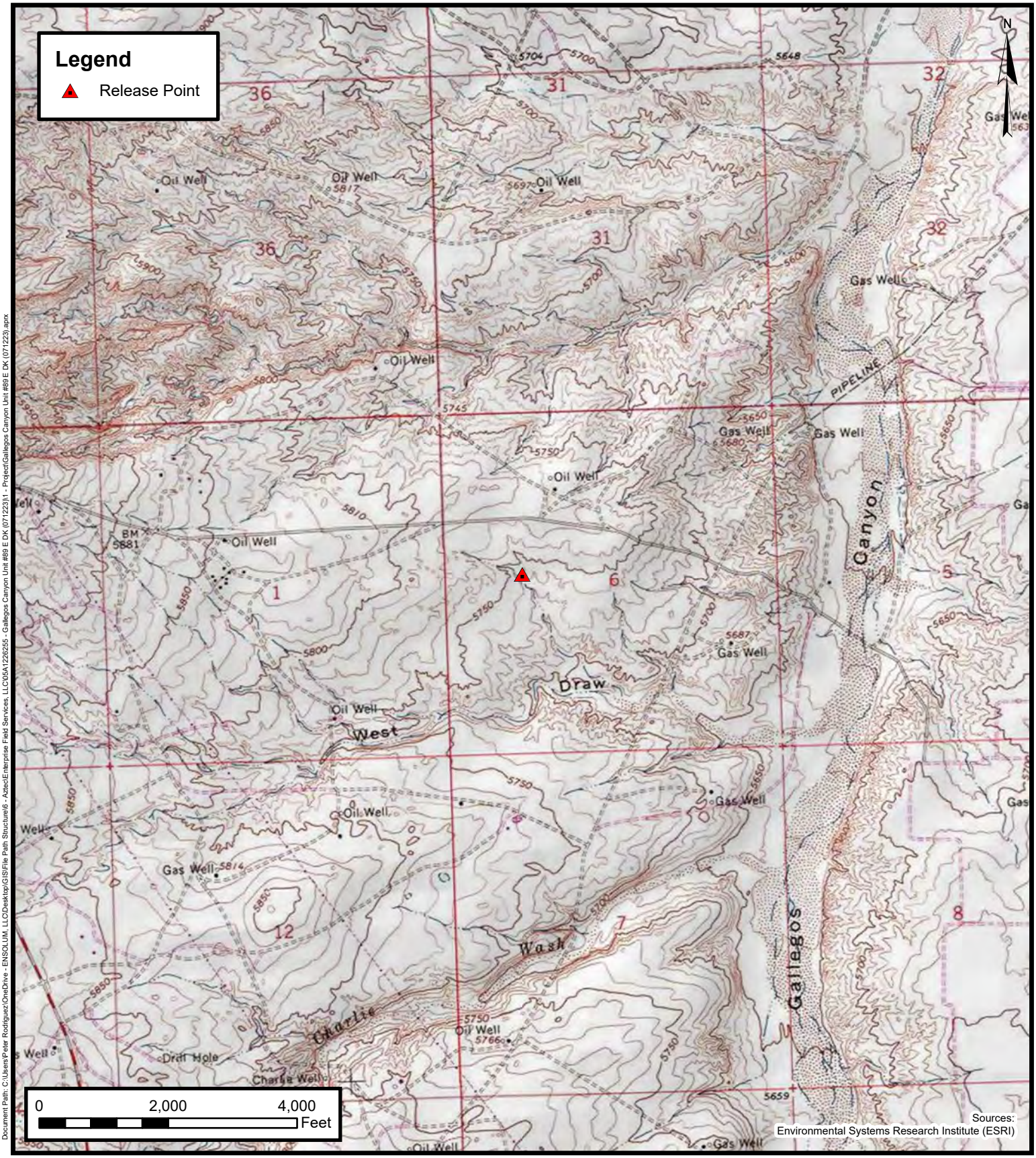
APPENDIX A

Figures



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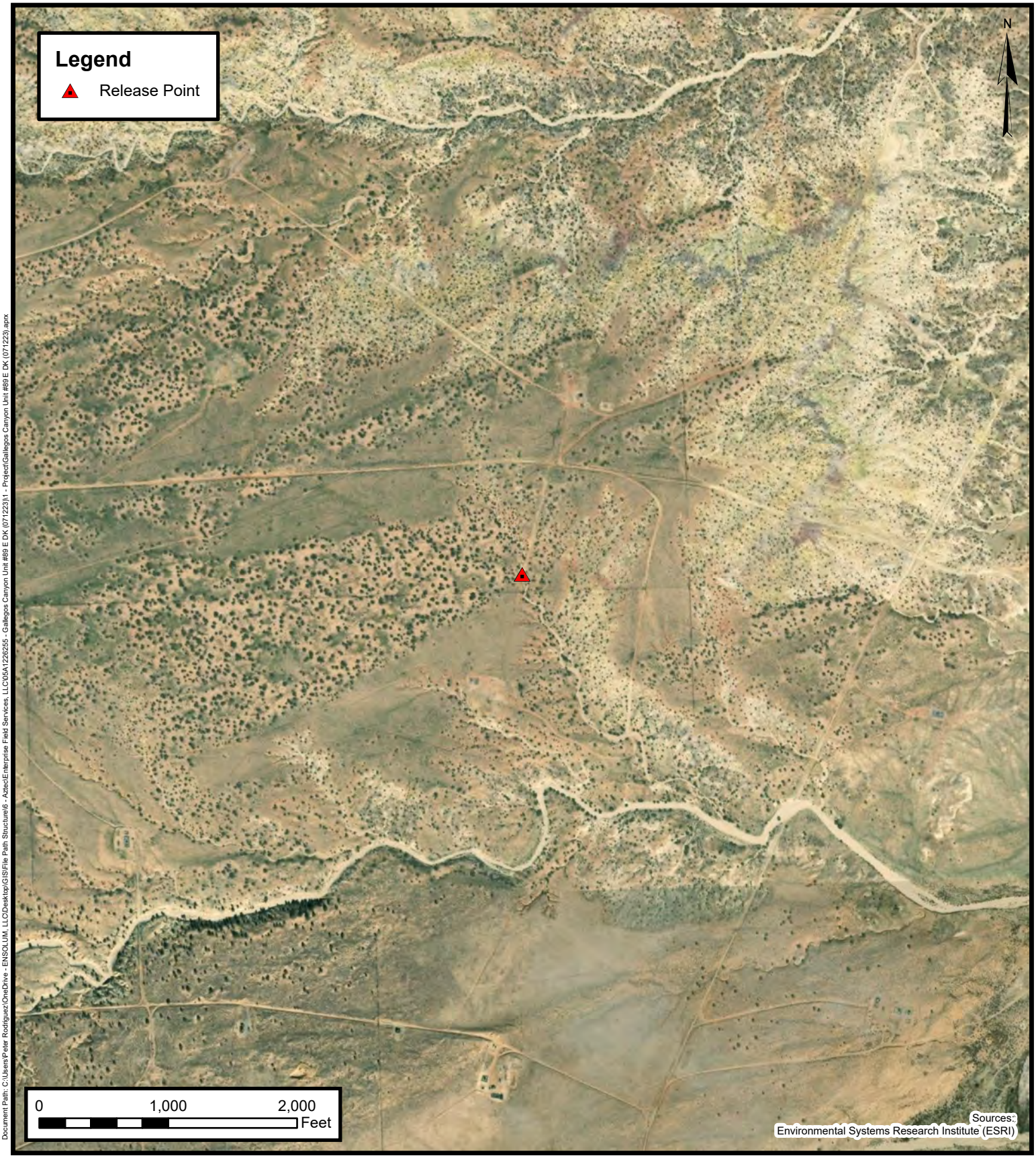
Environmental, Engineering and Hydrogeologic Consultants

Topographic Map

Enterprise Field Services, LLC
Gallegos Canyon Unit #89 E DK (07/12/23)
Project Number: 05A1226255
Unit Letter F, S6 T27N R12W, San Juan County, New Mexico
36.60446, -108.15716

FIGURE
1



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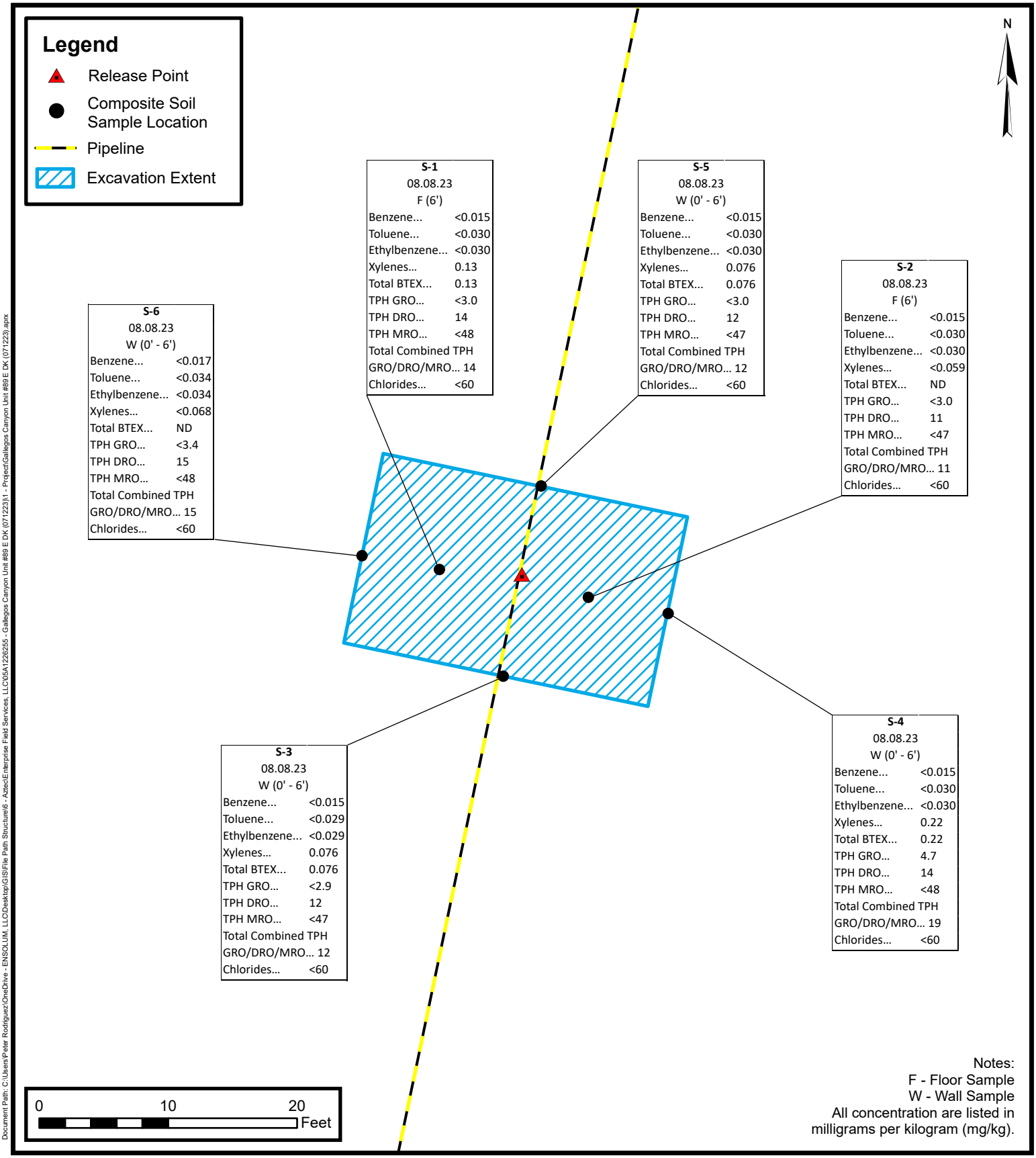
Site Vicinity Map

Enterprise Field Services, LLC
Gallegos Canyon Unit #89 E DK (07/12/23)
Project Number: 05A1226255
Unit Letter F, S6 T27N R12W, San Juan County, New Mexico
36.60446, -108.15716

FIGURE
2



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Site Map with Soil Analytical Results

Enterprise Field Services, LLC
Gallegos Canyon Unit #89 E DK (07/12/23)
Project Number: 05A1226255
Unit Letter F, S6 T27N R12W, San Juan County, New Mexico
36.60446, -108.15716

FIGURE
3

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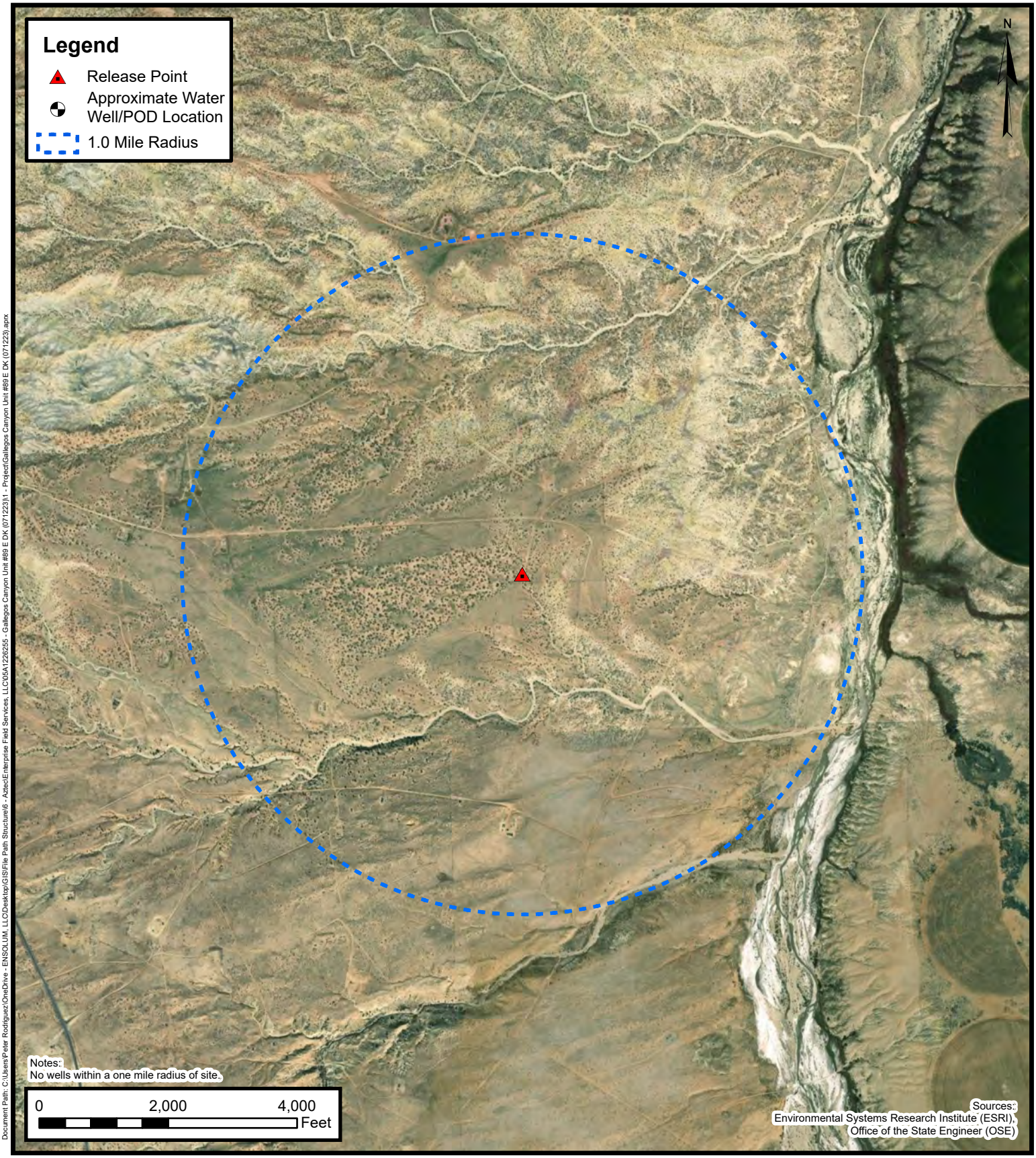
APPENDIX B

Siting Figures and Documentation



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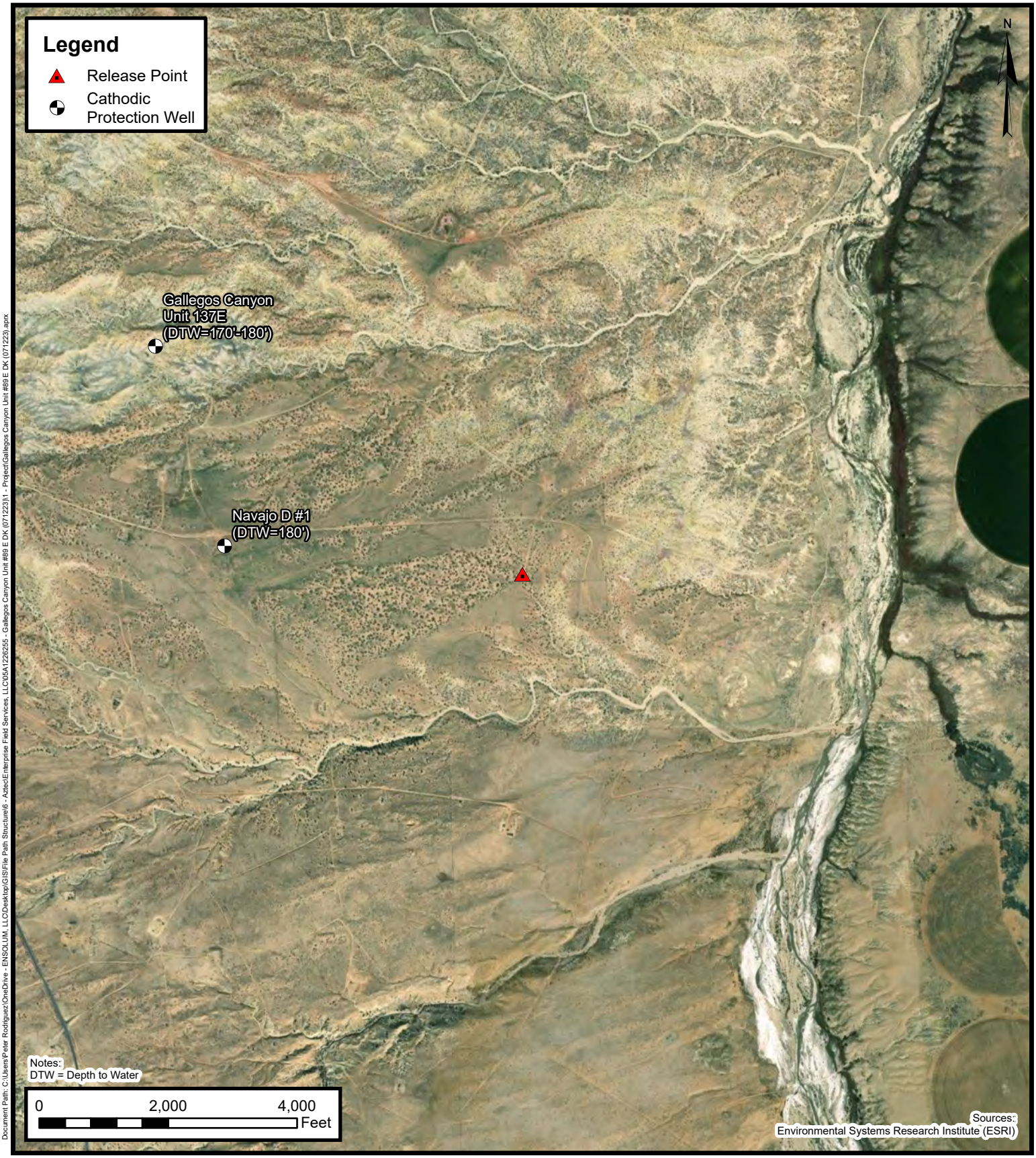
1.0 Mile Radius Water Well/POD Location Map

Enterprise Field Services, LLC
Gallegos Canyon Unit #89 E DK (07/12/23)
Project Number: 05A1226255
Unit Letter F, S6 T27N R12W, San Juan County, New Mexico
36.60446, -108.15716

FIGURE

A



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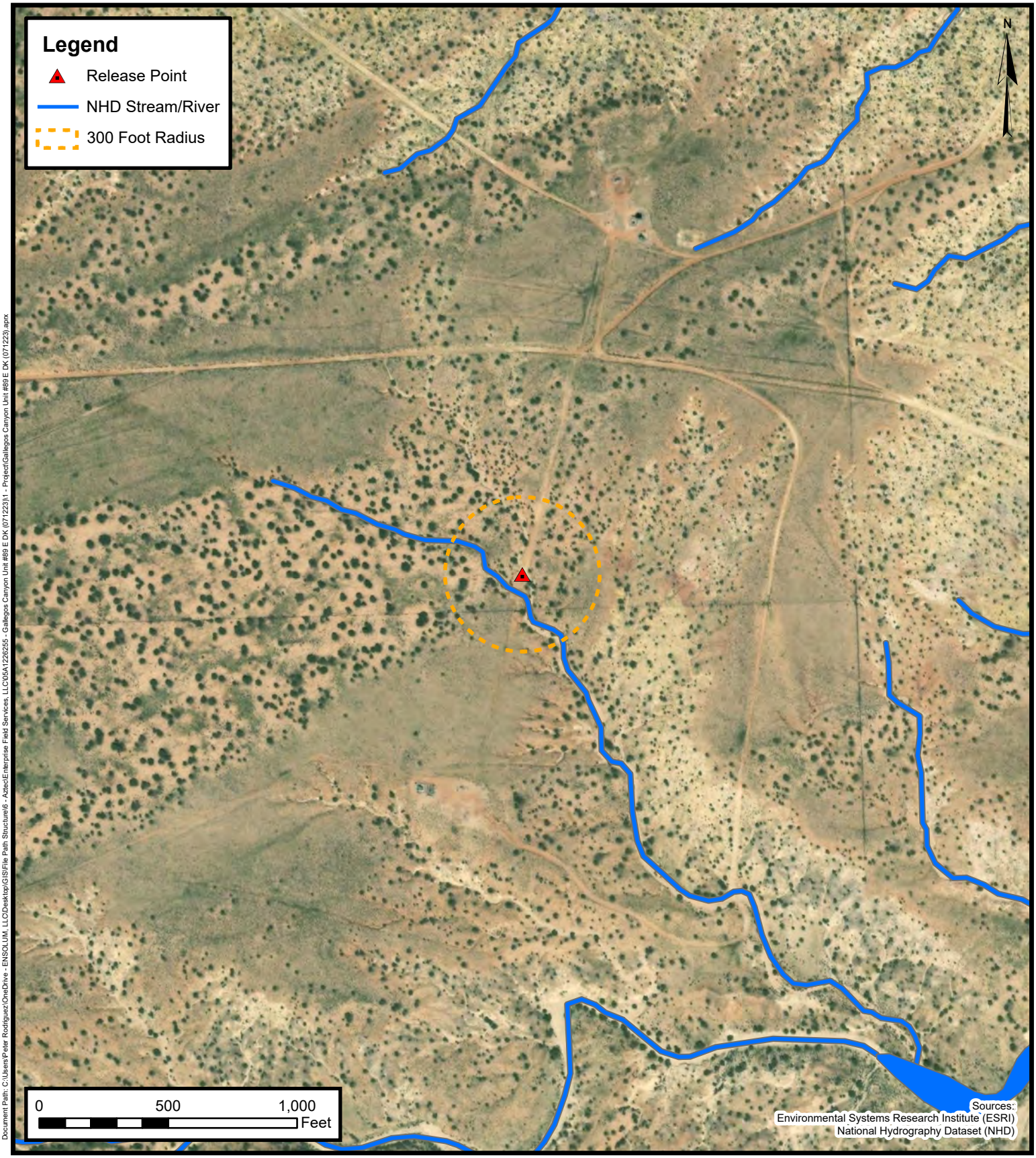
Cathodic Protection Well Recorded Depth to Water

Enterprise Field Services, LLC
Gallegos Canyon Unit #89 E DK (07/12/23)
Project Number: 05A1226255
Unit Letter F, S6 T27N R12W, San Juan County, New Mexico
36.60446, -108.15716

FIGURE
B



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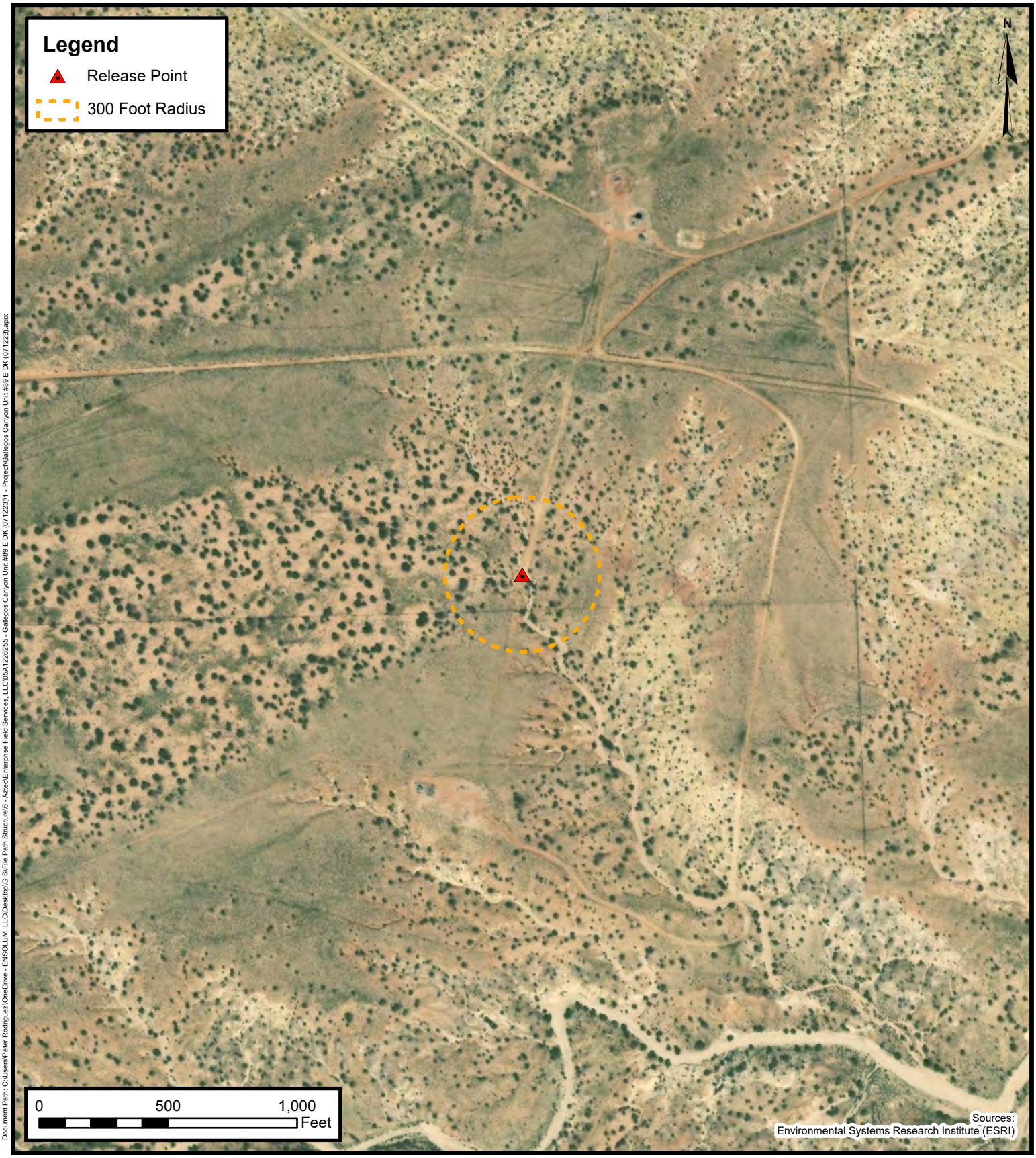
300 Foot Radius Watercourse and Drainage Identification

Enterprise Field Services, LLC
Gallegos Canyon Unit #89 E DK (07/12/23)
Project Number: 05A1226255
Unit Letter F, S6 T27N R12W, San Juan County, New Mexico
36.60446, -108.15716

FIGURE

C



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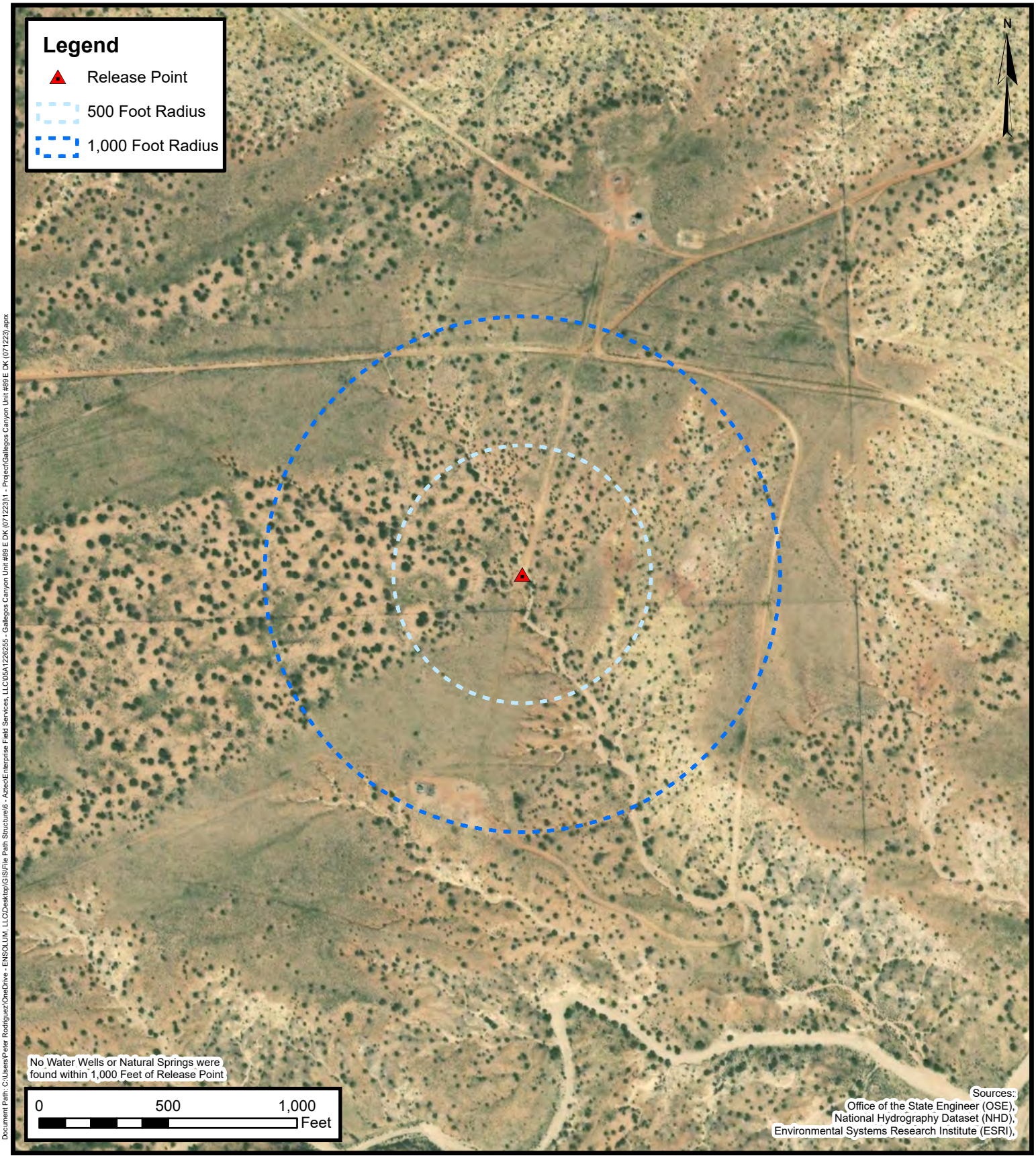
Environmental, Engineering and Hydrogeologic Consultants

300 Foot Radius Occupied Structure Identification

Enterprise Field Services, LLC
Gallegos Canyon Unit #89 E DK (07/12/23)
Project Number: 05A1226255
Unit Letter F, S6 T27N R12W, San Juan County, New Mexico
36.60446, -108.15716

FIGURE

D



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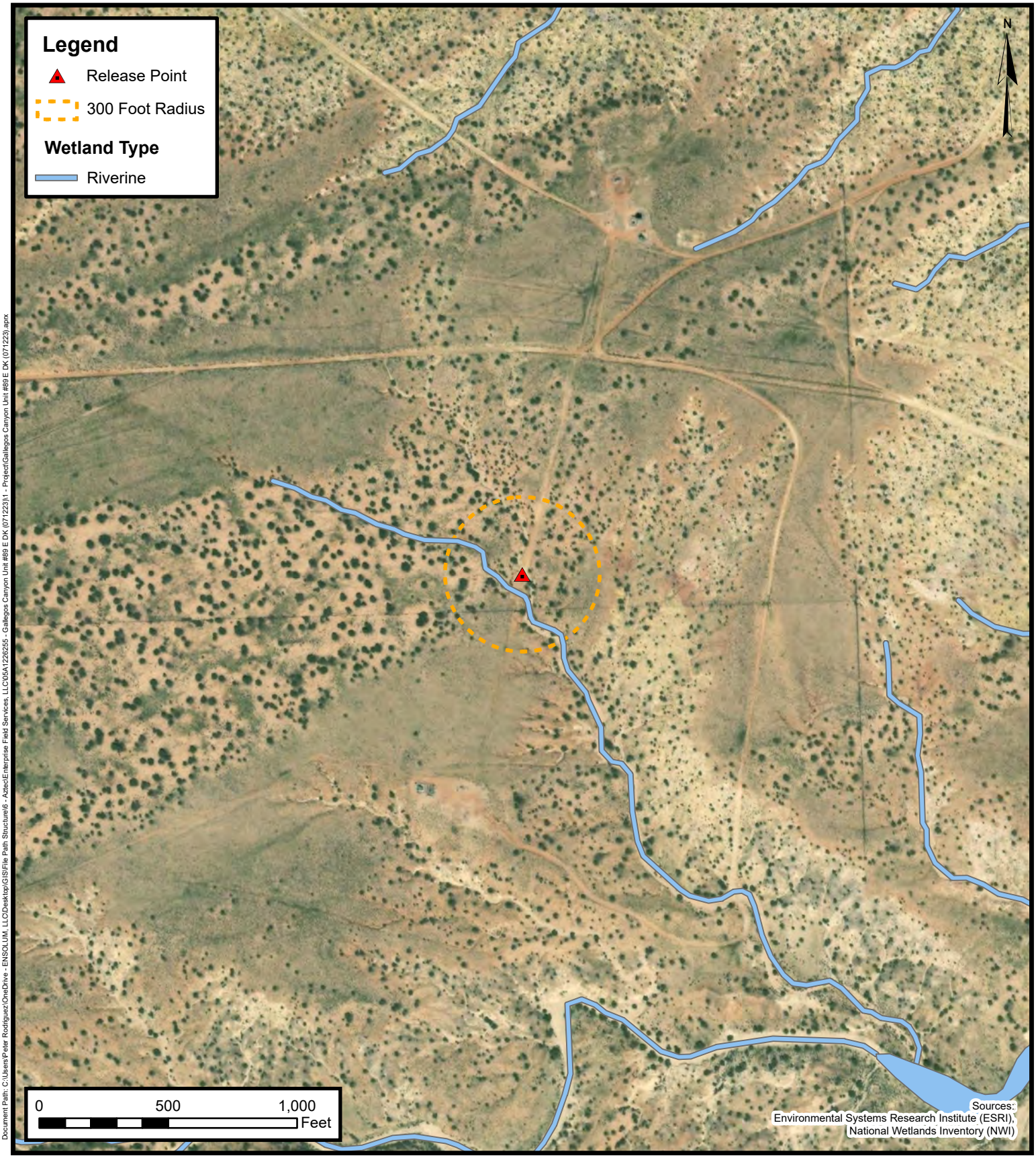
Environmental, Engineering and Hydrogeologic Consultants

Water Well and Natural Spring Location
Enterprise Field Services, LLC
Gallegos Canyon Unit #89 E DK (07/12/23)
Project Number: 05A1226255
Unit Letter F, S6 T27N R12W, San Juan County, New Mexico
36.60446, -108.15716

FIGURE
E



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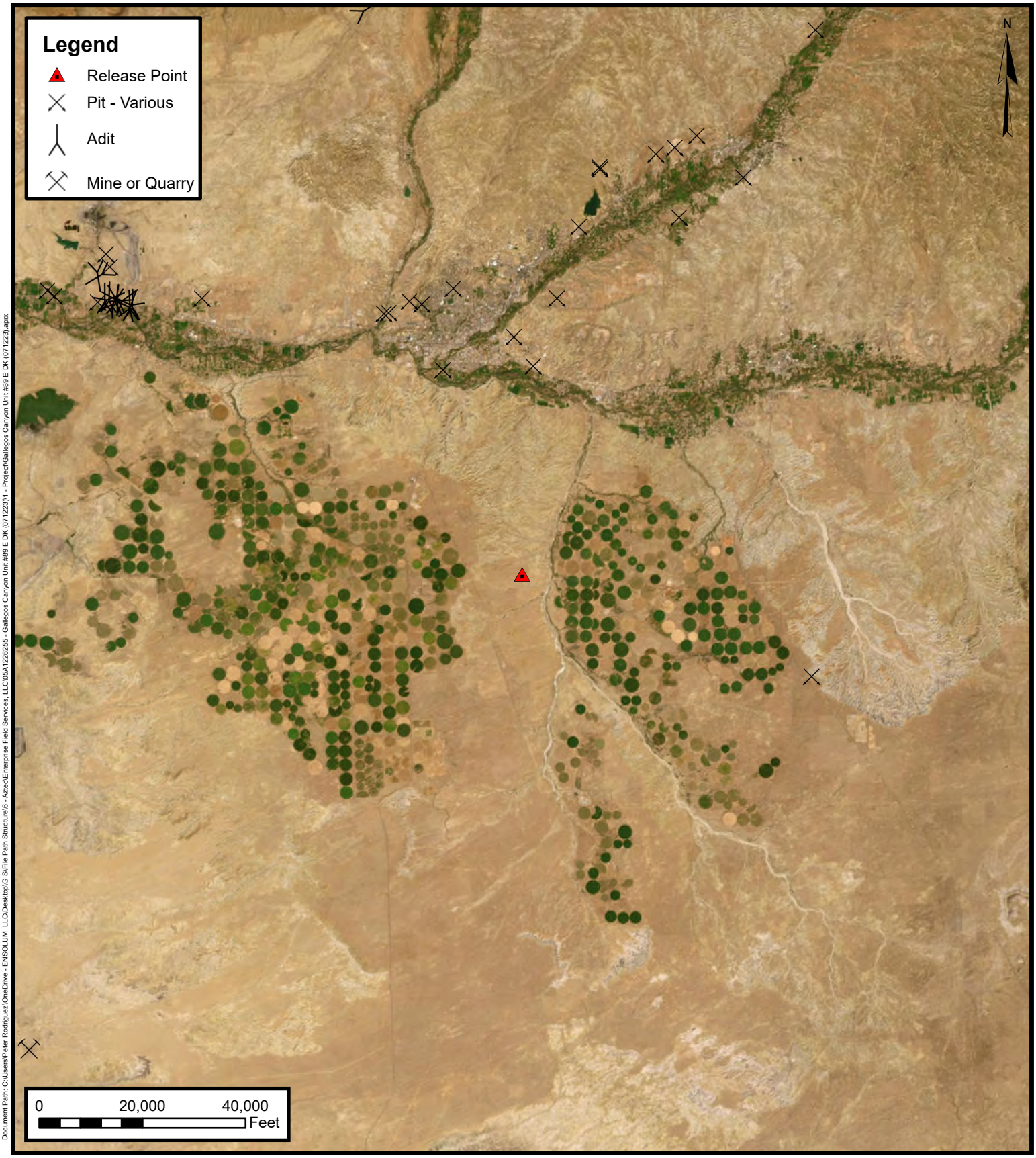
Wetlands

Enterprise Field Services, LLC
Gallegos Canyon Unit #89 E DK (07/12/23)
Project Number: 05A1226255
Unit Letter F, S6 T27N R12W, San Juan County, New Mexico
36.60446, -108.15716

FIGURE
F



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ENSOLUM
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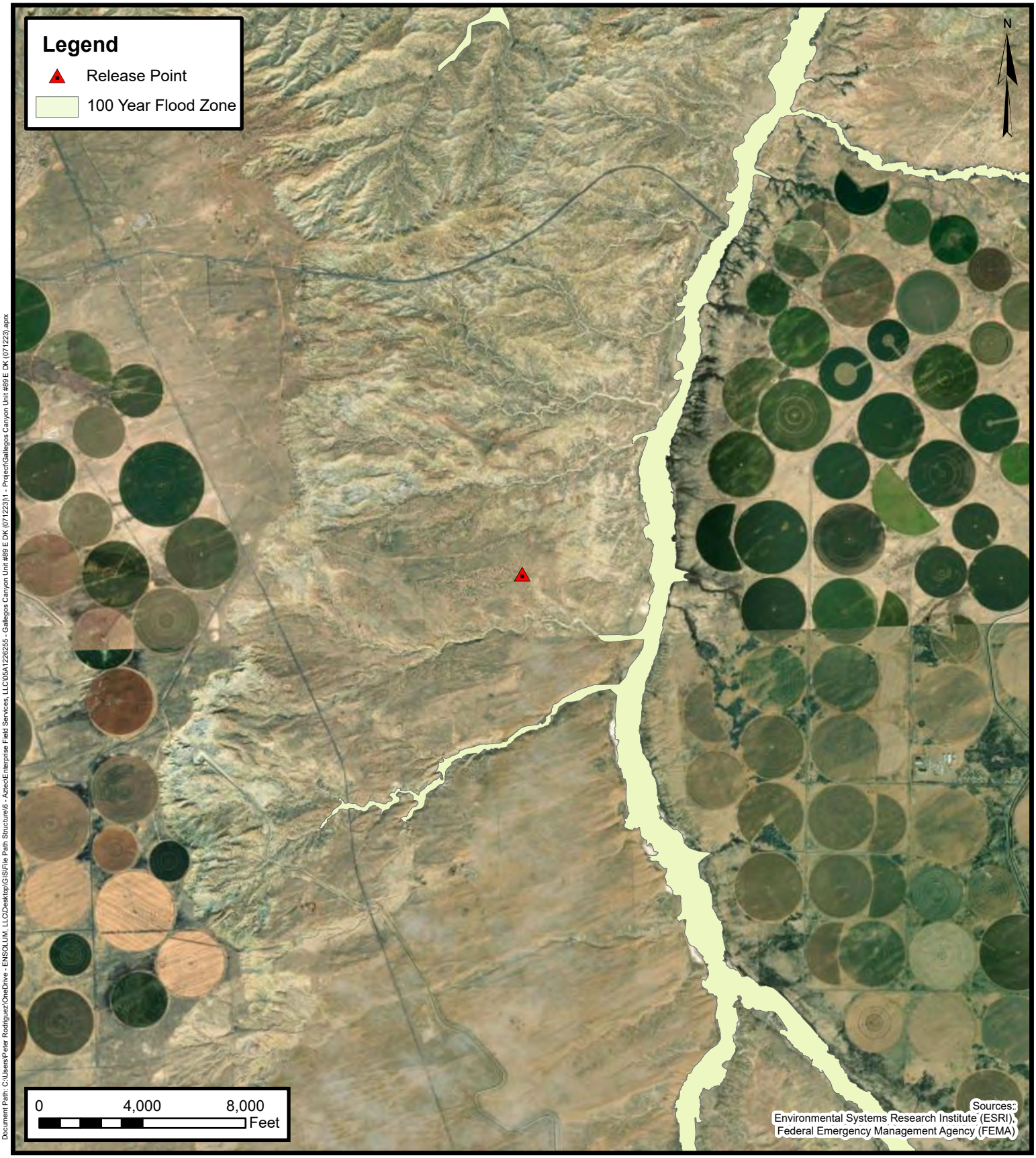
Enterprise Field Services, LLC
Gallegos Canyon Unit #89 E DK (07/12/23)
Project Number: 05A1226255
Unit Letter F, S6 T27N R12W, San Juan County, New Mexico
36.60446, -108.15716

FIGURE
G



Document Path: C:\Users\Peter Rodriguez\OneDrive - ENSOLUM, LLC\Desktop\GIS\File Path Structure\6 - Aztec\Enterprise Field Services, LLC\05A1226255 - Gallegos Canyon Unit #89 E DK (071223)\1 - Project\Gallegos Canyon Unit #89 E DK (071223).aprx

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

100-Year Flood Plain Map

Enterprise Field Services, LLC
Gallegos Canyon Unit #89 E DK (07/12/23)
Project Number: 05A1226255
Unit Letter F, S6 T27N R12W, San Juan County, New Mexico
36.60446, -108.15716

FIGURE

H

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

No records found.

PLSS Search:

Section(s): 6, 5, 7, 8 **Township:** 27N **Range:** 12W

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.

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

No records found.

PLSS Search:

Section(s): 1, 12 **Township:** 27N **Range:** 13W

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.

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

No records found.

PLSS Search:

Section(s): 36 **Township:** 28N **Range:** 13W

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.

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

No records found.

PLSS Search:

Section(s): 31, 32 **Township:** 28N **Range:** 12W

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.

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

3286

30-045-26194

Operator EPFS Location: Unit M Sec. 36 Twp 28 Rng 13

Name of Well/Wells or Pipeline Serviced Gallegos Canyon Unit 137E

Elevation _____ Completion Date 11-12-97 Total Depth _____ Land Type * F 077967

Casing, Sizes, Types & Depths 8 5/8 - P.V.C. 20'

If Casing is cemented, show amounts & types used 35 sx Zia Type I & 2

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

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

Fresh, Clear, Salty, Sulphur, Etc. 170 - 180 - Wet.

RECEIVED
MAR - 2 1998
OIL CON. DIV.
DIST. 3

Depths gas encountered: —

Type & amount of coke breeze used: 4100 lbs Loresco SW

Depths anodes placed: 205 - 370

Depths vent pipes placed: 370

Vent pipe perforations: 180

Remarks: _____

CH Owen

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.

THE LOFTIS COMPANY

DEEP WELL GROUNDBED DATA

DATE: November 11, l997

COMPANY: EPFS/Amoco

COUNTY: San Juan STATE: Texas

CONTRACT NO: A96-24

UNIT NO: CPS 95532 WO 3475

LOCATION: G.C.U. #137E

GROUNDBED: DEPTH / FT: 400' DIA / INCH: 7 7/8" ANODES: (15) 2 x 60 SHA-2

CASING: DEPTH / FT: 20' SIZE: 8"

DEPTH IN FEET	DRILLERS LOG	RESISTIVITY OHMS	RESISTIVITY AMPS	ANODE NUMBER	DEPTH TO ANODE TOP	BEFORE COKE	AFTER COKE
5	Casing						
10							
15							
20							
25	Sandstone						
30							
35							
40							
45							
50							
55							
60							
65							
70							
75	Shale						
80							
85							
90							
95							
100							
105	Gray Sandstone						
110							
115							
120							
125							
130							
135							
140							
145							
150			0.2				
155			0.3				
160			0.2				
165			0.2				
170	(Wet)		0.2				
175			0.2				
180			0.3				
185			0.3				
190			0.5				
195			0.9				
200			1.4				
205	Sandy Shale		2.0	15	205	1.9	8.8
210	Sandy Shale		2.0				

JOB # TDM1350

THE LOFTIS COMPANY

DEPTH IN FEET	DRILLERS LOG	RESISTIVITY OHMS	RESISTIVITY AMPS	ANODE NUMBER	DEPTH TO ANODE TOP	BEFORE COKE	AFTER COKE
215	Sandy Shale		1.7	14	215	2.0	8.6
220			1.9				
225			1.8	13	225	2.1	6.5
230			1.7				
235			1.9	12	235	1.8	6.1
240			1.8				
245			1.9	11	245	2.1	6.8
250			1.9				
255			1.8	10	255	2.0	7.3
260			1.9				
265			1.6	9	265	2.0	6.6
270			2.0				
275			1.9	8	275	1.9	6.5
280			2.1				
285			1.9	7	285	1.9	6.3
290			2.1				
295			1.9	6	295	2.0	5.9
300			1.9				
305			1.7	5	305	2.0	6.2
310			2.2				
315			1.9	4	315	2.0	5.9
320			1.4				
325			1.0				
330			1.0				
335			1.2				
340			1.4				
345			1.5				
350			1.6	3	350	1.6	4.6
355			1.6				
360			1.7	2	360	1.8	5.9
365			1.7				
370			1.8	1	370	1.8	5.1
375			1.6				
380			1.4				
385			1.5				
390							
395							
400	Shale						

JOB # TDM1350

#1 30-045-06868

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

Operator Meridian Oil Location: Unit F Sec. 1 Twp 27 Rng 13

Name of Well/Wells or Pipeline Serviced Navajo D #1

Elevation 5844 Completion Date 5-10-93 Total Depth 397' Land Type F

Casing Strings, Sizes, Types & Depths Set 100' of 8" casing with 52 sacks of Cement.

If Casing Strings are cemented, show amounts & types used 52 sacks with no sand.

If Cement or Bentonite Plugs have been placed, show depths & amounts used Cement plug from 130' to 100'

Depths & thickness of water zones with description of water: Fresh, Clear, Salty, Sulphur, Etc. 180' and 300's clear

Depths gas encountered: 340'

Ground bed depth with type & amount of coke breeze used: 397' with 1 3/8 (50 lb sacks) of Asbury

Depths anodes placed: #1 is at 380' and #15 is at 190'

Depths vent pipes placed: Bottom to surface

Vent pipe perforations: Up to 160'

Remarks:

RECEIVED
JAN 31 1994
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.

WATER ANALYSIS TESTING ENVIRONMENTAL REPORTS

1115 Farmington Avenue - Farmington , NM 87401
(505) 325-1085

Lab Sample No.: W93-156

Standard A.P.I. Water Analysis Report

Collected By: R. Smith

Company: Meridian Oil Inc.

Collection Date: 10-May-93

Well Name: Navajo D #1 6561 D

Collection Time: unknown

Formation: Dakota

County: San Juan State: NM

Location: (F) Sec. 1-T27-R13

Analyst: K. Lambdin & S. Spencer

Remarks: Attn: Bill Donahue Ground Bed

Seena Spencer

PARAMETER	as ION		Comment
Sodium , Na	800	mg/l	
Potassium, K	0	mg/l	<5
Calcium , Ca	42	mg/l	
Magnesium , Mg	0	mg/l	<1
Iron, Fe (Total)	0.0	mg/l	NR
Hydrogen Sulfide	0	mg/l	NR
pH	7.28	Units	
TDS	2,710	mg/l	

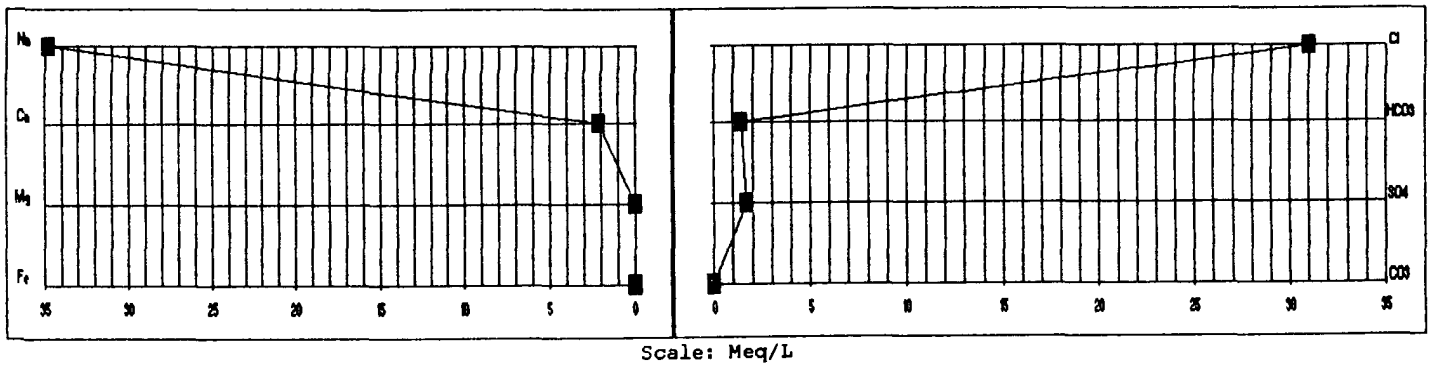
PARAMETER	as ION		Comment
Chloride , Cl	1,099	mg/l	
Sulfate, SO4	82	mg/l	
Hydroxide, OH	0	mg/l	
Carbonate, CO3	0	mg/l	
Bicarbonate,HCO3	88	mg/l	
Resistivity (@25 Degrees C)	2.577	ohm-m	
Conductivity	3,880	uS	
Specific Gravity (@ 60 Degrees F)	1.001	Units	

Remarks: None.

NR = Test Not Run

Anion/Cation: 92.5%

Stiff Diagram



Scale: Meq/L

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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.

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:AM14058
PM: ME Eddleman
AFE: N66900

2. Originating Site:
GCU #89E DK

3. Location of Material (Street Address, City, State or ULSTR):
UL F Section 6 T27N R12W; 36.60446, -108.15716

Aug 2023

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) 192 (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) 7-27-2023, 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: Enterprise subcontractors. M+R, L+L

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: 8/2/23
SIGNATURE: TELEPHONE NO.:
Surface Waste Management Facility Authorized Agent 505-632-0615

ENSOLUM

APPENDIX D

Photographic Documentation

SITE PHOTOGRAPHS

Closure Report
Enterprise Field Services, LLC
Gallegos Canyon Unit #89 E DK (07/12/23)
Ensolum Project No. 05A1226255

ENSOLUM

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

SITE PHOTOGRAPHS

Closure Report
Enterprise Field Services, LLC
Gallegos Canyon Unit #89 E DK (07/12/23)
Ensolum Project No. 05A1226255

ENSOLUM

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

ENSOLUM

APPENDIX E

Regulatory Correspondence

From: Kyle Summers
To: Ranee Deechilly
Subject: FW: Gallegos Canyon Unit #89E DK - UL F Section 6 T27N R12W; 36.60446, -108.15716: NMOCD Incident # nAPP2319533826
Date: Monday, August 7, 2023 9:36:47 AM
Attachments: image003.png
image004.png
image005.png

Kyle Summers
Principal
903-821-5603
Ensolum, LLC

From: nnepawq@frontiernet.net <nnepawq@frontiernet.net>
Sent: Monday, August 7, 2023 9:10 AM
To: 'Long, Thomas' <tjlong@eprod.com>; 'Velez, Nelson, EMNRD' <Nelson.Velez@state.nm.us>
Cc: 'Stone, Brian' <bmstone@eprod.com>; Kyle Summers <ksummers@ensolum.com>
Subject: RE: Gallegos Canyon Unit #89E DK - UL F Section 6 T27N R12W; 36.60446, -108.15716: NMOCD Incident # nAPP2319533826

[**EXTERNAL EMAIL**]

Hi Tom,

NNEPA grants permission to sample at the Gallegos Canyon Unit #89 DK site tomorrow.

--Steve

Steve Austin
Senior Hydrologist
NNEPA WQ/NPDES Program
505-368-1037

From: Long, Thomas <tjlong@eprod.com>
Sent: Monday, August 7, 2023 8:12 AM
To: Steve Austin <nnepawq@frontiernet.net>; Velez, Nelson, EMNRD <Nelson.Velez@state.nm.us>
Cc: Stone, Brian <bmstone@eprod.com>; Kyle Summers <ksummers@ensolum.com>
Subject: FW: Gallegos Canyon Unit #89E DK - UL F Section 6 T27N R12W; 36.60446, -108.15716: NMOCD Incident # nAPP2319533826

Nelson/Steve,

This email is a notification and a variance request. 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 tomorrow August 8, 2023 at 11:00 a.m. at Gallegos Canyon Unit #89E DK 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

Enterprise Products

From: Long, Thomas
Sent: Wednesday, July 12, 2023 5:12 PM
To: 'Velez, Nelson, EMNRD' <Nelson.Velez@state.nm.us>; 'Steve Austin' <nnepawq@frontiernet.net>
Cc: Stone, Brian <bmstone@eprod.com>
Subject: Gallegos Canyon Unit #89E DK - UL F Section 6 T27N R12W; 36.60446, -108.15716

Steve/Nelson,

This email is a notification that Enterprise had are release of natural gas on the Gallegos Canyon Unit #89E DK today. The release is located in a small wash (blue line on a topo map). No liquids were overserved on the ground surface. The pipeline is currently being depressurized, isolated, locked at tagged out. No fires nor injuries. No emergency service responded. I will keep you informed as to the schedule of the repairs and remediation. 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

Enterprise Products

This message (including any attachments) is confidential and intended for a specific individual and purpose. If you are not the intended recipient, please notify the sender immediately and delete this message.

ENSOLUM

APPENDIX F

Table 1 – Soil Analytical Summary

ENSOLU

TABLE 1
Gallegos Canyon Unit #89 E DK (07/12/23)
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	08.08.23	C	6	<0.015	<0.030	<0.030	0.13	0.13	<3.0	14	<48	14	<60
S-2	08.08.23	C	6	<0.015	<0.030	<0.030	<0.059	ND	<3.0	11	<47	11	<60
S-3	08.08.23	C	0 to 6	<0.015	<0.029	<0.029	0.076	0.076	<2.9	12	<47	12	<60
S-4	08.08.23	C	0 to 6	<0.015	<0.030	<0.030	0.22	0.22	4.7	14	<48	19	<60
S-5	08.08.23	C	0 to 6	<0.015	<0.030	<0.030	0.076	0.076	<3.0	12	<47	12	<60
S-6	08.08.23	C	0 to 6	<0.017	<0.034	<0.034	<0.068	ND	<3.4	15	<48	15	<60

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

[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

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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

August 14, 2023

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

RE: Gallegos Canyon 89 OrderNo.: 2308466

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 6 sample(s) on 8/9/2023 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 **2308466**
Date Reported: **8/14/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM
Client Sample ID: S-1
Project: Gallegos Canyon 89
Collection Date: 8/8/2023 11:00:00 AM
Lab ID: 2308466-001 **Matrix:** SOIL **Received Date:** 8/9/2023 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **RBC**	
Chloride	ND	60		mg/Kg	20	8/9/2023 12:30:55 PM	76760
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	14	9.6		mg/Kg	1	8/9/2023 9:35:50 AM	76750
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/9/2023 9:35:50 AM	76750
Surr: DNOP	91.3	69-147		%Rec	1	8/9/2023 9:35:50 AM	76750
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**	
Gasoline Range Organics (GRO)	ND	3.0		mg/Kg	1	8/9/2023 11:51:34 AM	GS98834
Surr: BFB	115	15-244		%Rec	1	8/9/2023 11:51:34 AM	GS98834
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**	
Benzene	ND	0.015		mg/Kg	1	8/9/2023 11:51:34 AM	BS98834
Toluene	ND	0.030		mg/Kg	1	8/9/2023 11:51:34 AM	BS98834
Ethylbenzene	ND	0.030		mg/Kg	1	8/9/2023 11:51:34 AM	BS98834
Xylenes, Total	0.13	0.060		mg/Kg	1	8/9/2023 11:51:34 AM	BS98834
Surr: 4-Bromofluorobenzene	114	39.1-146		%Rec	1	8/9/2023 11:51:34 AM	BS98834

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 **2308466**
Date Reported: **8/14/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM
Client Sample ID: S-2
Project: Gallegos Canyon 89
Collection Date: 8/8/2023 11:05:00 AM
Lab ID: 2308466-002 **Matrix:** SOIL **Received Date:** 8/9/2023 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **RBC**	
Chloride	ND	60		mg/Kg	20	8/9/2023 12:43:19 PM	76760
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	11	9.3		mg/Kg	1	8/9/2023 9:46:53 AM	76750
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	8/9/2023 9:46:53 AM	76750
Surr: DNOP	95.7	69-147		%Rec	1	8/9/2023 9:46:53 AM	76750
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**	
Gasoline Range Organics (GRO)	ND	3.0		mg/Kg	1	8/9/2023 12:15:03 PM	GS98834
Surr: BFB	99.0	15-244		%Rec	1	8/9/2023 12:15:03 PM	GS98834
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**	
Benzene	ND	0.015		mg/Kg	1	8/9/2023 12:15:03 PM	BS98834
Toluene	ND	0.030		mg/Kg	1	8/9/2023 12:15:03 PM	BS98834
Ethylbenzene	ND	0.030		mg/Kg	1	8/9/2023 12:15:03 PM	BS98834
Xylenes, Total	ND	0.059		mg/Kg	1	8/9/2023 12:15:03 PM	BS98834
Surr: 4-Bromofluorobenzene	108	39.1-146		%Rec	1	8/9/2023 12:15:03 PM	BS98834

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 **2308466**
Date Reported: **8/14/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM
Client Sample ID: S-3
Project: Gallegos Canyon 89
Collection Date: 8/8/2023 11:10:00 AM
Lab ID: 2308466-003 **Matrix:** SOIL **Received Date:** 8/9/2023 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **RBC**	
Chloride	ND	60		mg/Kg	20	8/9/2023 12:55:43 PM	76760
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	12	9.3		mg/Kg	1	8/9/2023 9:57:34 AM	76750
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	8/9/2023 9:57:34 AM	76750
Surr: DNOP	97.0	69-147		%Rec	1	8/9/2023 9:57:34 AM	76750
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**	
Gasoline Range Organics (GRO)	ND	2.9		mg/Kg	1	8/9/2023 12:38:32 PM	GS98834
Surr: BFB	106	15-244		%Rec	1	8/9/2023 12:38:32 PM	GS98834
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**	
Benzene	ND	0.015		mg/Kg	1	8/9/2023 12:38:32 PM	BS98834
Toluene	ND	0.029		mg/Kg	1	8/9/2023 12:38:32 PM	BS98834
Ethylbenzene	ND	0.029		mg/Kg	1	8/9/2023 12:38:32 PM	BS98834
Xylenes, Total	0.076	0.059		mg/Kg	1	8/9/2023 12:38:32 PM	BS98834
Surr: 4-Bromofluorobenzene	115	39.1-146		%Rec	1	8/9/2023 12:38:32 PM	BS98834

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 **2308466**
Date Reported: **8/14/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM
Client Sample ID: S-4
Project: Gallegos Canyon 89
Collection Date: 8/8/2023 11:15:00 AM
Lab ID: 2308466-004 **Matrix:** SOIL **Received Date:** 8/9/2023 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **RBC**	
Chloride	ND	60		mg/Kg	20	8/9/2023 1:32:57 PM	76760
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	14	9.6		mg/Kg	1	8/9/2023 10:08:15 AM	76750
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/9/2023 10:08:15 AM	76750
Surr: DNOP	98.1	69-147		%Rec	1	8/9/2023 10:08:15 AM	76750
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**	
Gasoline Range Organics (GRO)	4.7	3.0		mg/Kg	1	8/9/2023 1:02:07 PM	GS98834
Surr: BFB	129	15-244		%Rec	1	8/9/2023 1:02:07 PM	GS98834
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**	
Benzene	ND	0.015		mg/Kg	1	8/9/2023 1:02:07 PM	BS98834
Toluene	ND	0.030		mg/Kg	1	8/9/2023 1:02:07 PM	BS98834
Ethylbenzene	ND	0.030		mg/Kg	1	8/9/2023 1:02:07 PM	BS98834
Xylenes, Total	0.22	0.060		mg/Kg	1	8/9/2023 1:02:07 PM	BS98834
Surr: 4-Bromofluorobenzene	114	39.1-146		%Rec	1	8/9/2023 1:02:07 PM	BS98834

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 **2308466**
Date Reported: **8/14/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM
Client Sample ID: S-5
Project: Gallegos Canyon 89
Collection Date: 8/8/2023 11:20:00 AM
Lab ID: 2308466-005 **Matrix:** SOIL **Received Date:** 8/9/2023 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **RBC**	
Chloride	ND	60		mg/Kg	20	8/9/2023 1:45:22 PM	76760
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	12	9.4		mg/Kg	1	8/9/2023 10:18:58 AM	76750
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	8/9/2023 10:18:58 AM	76750
Surr: DNOP	98.0	69-147		%Rec	1	8/9/2023 10:18:58 AM	76750
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**	
Gasoline Range Organics (GRO)	ND	3.0		mg/Kg	1	8/9/2023 1:25:36 PM	GS98834
Surr: BFB	104	15-244		%Rec	1	8/9/2023 1:25:36 PM	GS98834
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**	
Benzene	ND	0.015		mg/Kg	1	8/9/2023 1:25:36 PM	BS98834
Toluene	ND	0.030		mg/Kg	1	8/9/2023 1:25:36 PM	BS98834
Ethylbenzene	ND	0.030		mg/Kg	1	8/9/2023 1:25:36 PM	BS98834
Xylenes, Total	0.076	0.060		mg/Kg	1	8/9/2023 1:25:36 PM	BS98834
Surr: 4-Bromofluorobenzene	110	39.1-146		%Rec	1	8/9/2023 1:25:36 PM	BS98834

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 **2308466**
Date Reported: **8/14/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM
Client Sample ID: S-6
Project: Gallegos Canyon 89
Collection Date: 8/8/2023 11:25:00 AM
Lab ID: 2308466-006 **Matrix:** SOIL **Received Date:** 8/9/2023 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **RBC**	
Chloride	ND	60		mg/Kg	20	8/9/2023 1:57:46 PM	76760
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	15	9.6		mg/Kg	1	8/9/2023 10:29:42 AM	76750
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/9/2023 10:29:42 AM	76750
Surr: DNOP	97.9	69-147		%Rec	1	8/9/2023 10:29:42 AM	76750
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**	
Gasoline Range Organics (GRO)	ND	3.4		mg/Kg	1	8/9/2023 1:49:12 PM	GS98834
Surr: BFB	105	15-244		%Rec	1	8/9/2023 1:49:12 PM	GS98834
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**	
Benzene	ND	0.017		mg/Kg	1	8/9/2023 1:49:12 PM	BS98834
Toluene	ND	0.034		mg/Kg	1	8/9/2023 1:49:12 PM	BS98834
Ethylbenzene	ND	0.034		mg/Kg	1	8/9/2023 1:49:12 PM	BS98834
Xylenes, Total	ND	0.068		mg/Kg	1	8/9/2023 1:49:12 PM	BS98834
Surr: 4-Bromofluorobenzene	111	39.1-146		%Rec	1	8/9/2023 1:49:12 PM	BS98834

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#: **2308466**

14-Aug-23

Client: ENSOLUM

Project: Gallegos Canyon 89

Sample ID: **MB-76760**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS**	Batch ID: **76760**	RunNo: **98846**
Prep Date: **8/9/2023**	Analysis Date: **8/9/2023**	SeqNo: **3602186** Units: **mg/Kg**

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

Sample ID: **LCS-76760**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS**	Batch ID: **76760**	RunNo: **98846**
Prep Date: **8/9/2023**	Analysis Date: **8/9/2023**	SeqNo: **3602187** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.1	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 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#: **2308466**

14-Aug-23

Client: ENSOLUM

Project: Gallegos Canyon 89

Sample ID: **MB-76750**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **76750**	RunNo: **98827**
Prep Date: **8/9/2023**	Analysis Date: **8/9/2023**	SeqNo: **3600533** 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	9.4		10.00		94.1	69	147			

Sample ID: **LCS-76750**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **76750**	RunNo: **98827**
Prep Date: **8/9/2023**	Analysis Date: **8/9/2023**	SeqNo: **3600534** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	10	50.00	0	88.3	61.9	130			
Surr: DNOP	4.5		5.000		90.6	69	147			

Sample ID: **2308466-001AMS**	SampType: **MS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **S-1**	Batch ID: **76750**	RunNo: **98829**
Prep Date: **8/9/2023**	Analysis Date: **8/9/2023**	SeqNo: **3600787** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	60	9.8	48.83	13.91	93.7	54.2	135			
Surr: DNOP	4.4		4.883		89.3	69	147			

Sample ID: **2308466-001AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **S-1**	Batch ID: **76750**	RunNo: **98829**
Prep Date: **8/9/2023**	Analysis Date: **8/9/2023**	SeqNo: **3600788** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	61	9.7	48.50	13.91	98.0	54.2	135	2.89	29.2	
Surr: DNOP	4.5		4.850		92.4	69	147	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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2308466**

14-Aug-23

Client: ENSOLUM

Project: Gallegos Canyon 89

Sample ID: **2.5ug gro lcs**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **GS98834**	RunNo: **98834**
Prep Date:	Analysis Date: **8/9/2023**	SeqNo: **3600708** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	92.1	70	130			
Surr: BFB	2000		1000		202	15	244			

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **GS98834**	RunNo: **98834**
Prep Date:	Analysis Date: **8/9/2023**	SeqNo: **3600709** 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	970		1000		97.4	15	244			

Sample ID: **lcs-76742**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **76742**	RunNo: **98834**
Prep Date: **8/8/2023**	Analysis Date: **8/9/2023**	SeqNo: **3602041** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	2000		1000		196	15	244			

Sample ID: **mb-76742**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **76742**	RunNo: **98834**
Prep Date: **8/8/2023**	Analysis Date: **8/9/2023**	SeqNo: **3602042** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	940		1000		94.5	15	244			

Sample ID: **2308466-001ams**	SampType: **MS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **S-1**	Batch ID: **GS98834**	RunNo: **98834**
Prep Date:	Analysis Date: **8/9/2023**	SeqNo: **3602068** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	16	3.0	15.03	2.850	84.3	70	130			
Surr: BFB	1300		601.3		212	15	244			

Sample ID: **2308466-001amsd**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **S-1**	Batch ID: **GS98834**	RunNo: **98834**
Prep Date:	Analysis Date: **8/9/2023**	SeqNo: **3602069** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	16	3.0	15.03	2.850	85.3	70	130	1.00	20	
Surr: BFB	1300		601.3		217	15	244	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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2308466**

14-Aug-23

Client: ENSOLUM

Project: Gallegos Canyon 89

Sample ID: **100ng btex lcs**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **BS98834**	RunNo: **98834**
Prep Date:	Analysis Date: **8/9/2023**	SeqNo: **3600712** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	1.000	0	109	70	130			
Toluene	1.1	0.050	1.000	0	108	70	130			
Ethylbenzene	1.1	0.050	1.000	0	109	70	130			
Xylenes, Total	3.3	0.10	3.000	0	110	70	130			
Surr: 4-Bromofluorobenzene	1.1		1.000		111	39.1	146			

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **BS98834**	RunNo: **98834**
Prep Date:	Analysis Date: **8/9/2023**	SeqNo: **3600714** 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	1.1		1.000		111	39.1	146			

Sample ID: **LCS-76742**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **76742**	RunNo: **98834**
Prep Date: **8/8/2023**	Analysis Date: **8/9/2023**	SeqNo: **3602074** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.1		1.000		108	39.1	146			

Sample ID: **mb-76742**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **76742**	RunNo: **98834**
Prep Date: **8/8/2023**	Analysis Date: **8/9/2023**	SeqNo: **3602075** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.1		1.000		106	39.1	146			

Sample ID: **2308466-002ams**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **S-2**	Batch ID: **BS98834**	RunNo: **98834**
Prep Date:	Analysis Date: **8/9/2023**	SeqNo: **3602105** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.62	0.015	0.5949	0	104	70	130			
Toluene	0.63	0.030	0.5949	0.008329	104	70	130			
Ethylbenzene	0.63	0.030	0.5949	0.007496	104	70	130			
Xylenes, Total	1.9	0.059	1.785	0.04188	106	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 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#: **2308466**

14-Aug-23

Client: ENSOLUM

Project: Gallegos Canyon 89

Sample ID: **2308466-002ams**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **S-2**	Batch ID: **BS98834**	RunNo: **98834**
Prep Date:	Analysis Date: **8/9/2023**	SeqNo: **3602105** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.64		0.5949		108	39.1	146			

Sample ID: **2308466-002amsd**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **S-2**	Batch ID: **BS98834**	RunNo: **98834**
Prep Date:	Analysis Date: **8/9/2023**	SeqNo: **3602106** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.61	0.015	0.5949	0	103	70	130	0.883	20	
Toluene	0.62	0.030	0.5949	0.008329	102	70	130	1.60	20	
Ethylbenzene	0.63	0.030	0.5949	0.007496	104	70	130	0.550	20	
Xylenes, Total	2.0	0.059	1.785	0.04188	107	70	130	0.584	20	
Surr: 4-Bromofluorobenzene	0.64		0.5949		107	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: 2308466 | RcptNo: 1

Received By: Juan Rojas 8/9/2023 7:35:00 AM

Completed By: Juan Rojas 8/9/2023 7:50:19 AM

Reviewed By: JR 8-9-23

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 ☐	
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: JR 8/9/23

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: _____

16. Additional remarks:

Client missing phone number and email address on COC. JR 8/9/23

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.2	Good	Yes	Yogi		

Received by OCD: 10/16/2023 9:24:55 AM

Released to Imaging: 2/2/2024 1:11:07 PM

Chain-of-Custody Record

Client: Enadem

Mailing Address: 606 S Rio Grande Suite A 87410

Phone #:

email or Fax#:

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

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time: 100 %
☐ Standard ☒ Rush 8-9-23

Project Name: Gallegos Canyon #89

Project #:

Project Manager: K Summers

Sampler: A DApont

On Ice: ☐ Yes ☐ No

# of Coolers: 1 Yogi

Cooler Temp(Including CF): 1.1+0.1=1.2 (°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. 230846	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)
8/8	1110	S	S-1	4oz Jar	Cool		✓	✓					✓			
8/8	1105	S	S-2		Cool		✓	✓					✓			
8/8	1110	S	S-3		Cool		✓	✓					✓			
8/8	1115	S	S-4		Cool		✓	✓					✓			
8/8	1120	S	S-5		Cool		✓	✓					✓			
8/8	1125	S	S-6		Cool		✓	✓					✓			

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
8/8/23	1428		CHA	WA	8/8/23	1428
8/8/23	1826	Christian Walker		courier	8/9/23	7:35

Remarks: Tom Long

Sam Day

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.

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 275880

CONDITIONS

Operator: Enterprise Field Services, LLC PO Box 4324 Houston, TX 77210	OGRID: 241602
	Action Number: 275880
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	None	2/2/2024