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)* **nAPP2228348113**
Contact mailing address: **614 Reilly Ave, Farmington, NM 87401**	

Location of Release Source

Latitude **36.788970** Longitude **-108.190600** *(NAD 83 in decimal degrees to 5 decimal places)*

Site Name **Tiger #12**	Site Type **Natural Gas Gathering Pipeline**
Date Release Discovered: **10/10/2022**	Serial Number *(if applicable)*: **N/A**

Unit Letter	Section	Township	Range	County
B	**27**	**30N**	**13W**	**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): **5 BBLS**	Volume Recovered (bbls): **None**
☒ Natural Gas	Volume Released (Mcf): **1.02 MCF**	Volume Recovered (Mcf): **None**
☐ Other (describe)	Volume/Weight Released (provide units):	Volume/Weight Recovered (provide units)

Cause of Release On October 10, 2022, Enterprise had a release of natural gas from the Tiger #12. The pipeline was isolated, depressurized, locked and tagged out. No liquids were observed on the ground surface. No emergency services responded. No fire nor injuries occurred. The remediation was completed on October 12, 2022. The final excavation dimensions measured approximately 13 feet long by Ten (10) feet wide by 15 feet deep. A total of 146 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: 6-12-2023

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: Nelson Velez Date: 06/13/2023

Printed Name: Nelson Velez Title: Environmental Specialist – Adv

ENSOLUM

CLOSURE REPORT

Property:

Tiger #12 (10/10/22)
Unit Letter B, S27 T30N R13W
San Juan County, New Mexico

New Mexico EMNRD OCD Incident ID No. NAPP2228348113

January 3, 2023

Ensolum Project No. 05A1226217

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:	Tiger #12 (10/10/22) (Site)
NM EMNRD OCD Incident ID No.	NAPP2228348113
Location:	36.78897° North, 108.19061 ° West Unit Letter B, Section 27, Township 30 North, Range 13 West San Juan County, New Mexico
Property:	Private Land
Regulatory:	New Mexico (NM) Energy, Minerals and Natural Resources Department (EMNRD) Oil Conservation Division (OCD)

On October 3, 2022, Enterprise was notified of a possible release of natural gas from the Tiger #12 pipeline. Enterprise verified the release and subsequently isolated and locked the pipeline out of service. On October 10, 2022, Enterprise initiated activities to repair the pipeline and remediate petroleum hydrocarbon impact. Additionally, Enterprise determined the release was "reportable" due to the estimated 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 New Mexico 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). Numerous PODs with recorded depths to water were identified in the same Public Land Survey System (PLSS) section as the Site, and in the adjacent PLSS sections (**Figure A**, **Appendix B**). The average depth to water for the PODs is 279 feet below grade surface (bgs). The closest POD (SJ-01454) is approximately 0.60 miles southwest of the Site and approximately 124 feet higher in elevation than the Site. The recorded depth to water for this POD is 350 feet bgs.

- Numerous cathodic protection wells (CPWs) were identified in the NM EMNRD OCD imaging database in the same PLSS section as the Site and in adjacent sections. CPWs that are located less than one mile from the Site are depicted on **Figure B** (**Appendix B**). The two closest CPWs are located near the McGee #1E and McCord #13E well locations. Documentation for the cathodic protection well located near the McGee #1E well location indicate depths to water of approximately 80 feet and 150 feet. This cathodic protection well is located approximately 0.28 miles southwest of the Site and is 4 feet higher in elevation than the Site. Documentation for the cathodic protection well located near the McCord #13E well location indicates a depth to water of approximately 70 feet bgs. This cathodic protection well is located approximately 0.60 miles northeast of the Site and is 41 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 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 within a 100-year floodplain (**Figure H**, **Appendix B**).

Based on available information, the 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 October 10, 2022, Enterprise initiated activities to repair the pipeline and remediate petroleum hydrocarbon impact resulting from the release. During the remediation and corrective action activities, OFT Construction Inc., provided heavy equipment and labor support, while Ensolum provided environmental consulting support.

The final excavation measured approximately 13 feet long and 10 feet wide at the maximum extents. The maximum depth of the excavation measured approximately 15 feet bgs. The lithology encountered during the completion of remediation activities consisted primarily of silty sand and sand.

Approximately 146 cubic yards (yd^3) of petroleum hydrocarbon-affected soils and 85 barrels (bbls) of hydro-excavation soil cuttings and water were transported to the Envirotech, Inc., (Envirotech) landfarm near Hilltop, NM for disposal/remediation. The executed C-138 solid waste acceptance form is provided in **Appendix C**. The excavation was backfilled with imported fill and 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 five composite soil samples (S-1 through S-5) 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 per guidelines outlined in Section D of 19.15.29.12 NMAC. Hand tools or the excavator bucket were utilized to obtain fresh aliquots from each area of the excavation. Regulatory correspondence is provided in **Appendix E**.

First Sampling Event

On October 12, 2022, a sampling event 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 sample S-1 (15') was collected from floor of the excavation. Composite soil samples S-2 (0'-15'), S-3 (0'-15'), S-4 (0'-15'), and S-5 (0'-15') 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-5) 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 applicable NM EMNRD OCD criteria of 10 mg/kg.

- The laboratory analytical results for all composite soil samples indicate that total BTEX is not present in concentrations greater than the laboratory PQLs/RLs, which are less than the applicable NM EMNRD OCD closure criteria of 50 mg/kg.

- The laboratory analytical results for composite soil samples S-2 and S-3 indicate combined TPH GRO/DRO/MRO concentrations of 16 mg/kg and 15 mg/kg, respectively, which are less than the applicable NM EMNRD OCD closure criteria of 100 mg/kg. The laboratory analytical results for all other composite soil samples indicate combined TPH GRO/DRO/MRO is not present in concentrations greater than the laboratory PQLs/RLs, which are less than the applicable 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 are less than the applicable NM EMNRD OCD criteria of 600 mg/kg.

7.0 RECLAMATION AND REVEGETATION

The excavation was backfilled with imported fill and then contoured to the surrounding topography. Enterprise will re-seed the Site with an approved seeding mixture.

8.0 FINDINGS AND RECOMMENDATION

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

- Approximately 146 yd^3 of petroleum hydrocarbon-affected soils and 85 bbls of hydro-excavation soil cuttings and water were transported to the Envirotech landfarm for disposal/remediation. The excavation was backfilled with imported fill and 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.

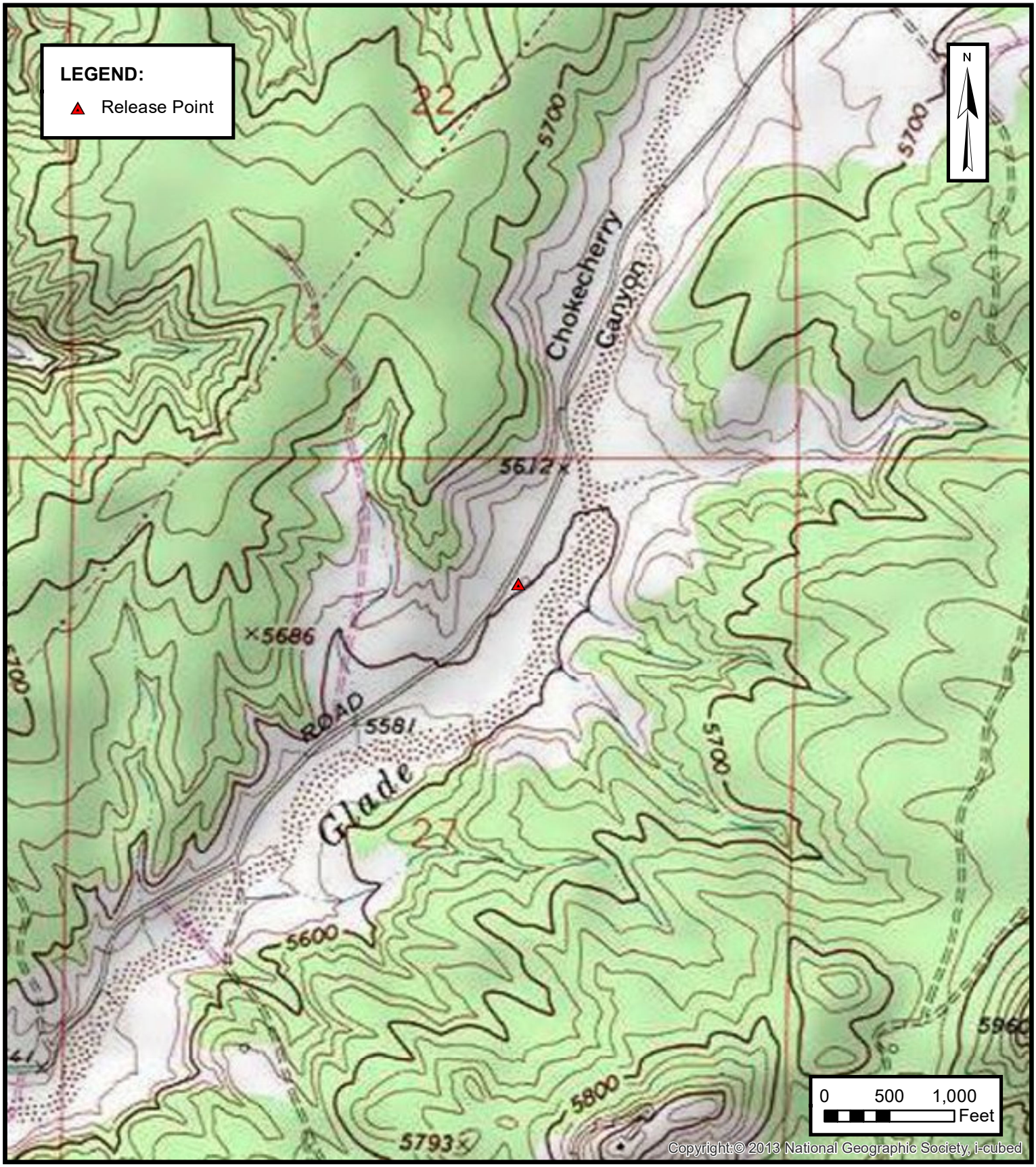
9.3 Reliance

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



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Environmental, Engineering and Hydrogeologic Consultants

TOPOGRAPHIC MAP

ENTERPRISE FIELD SERVICES, LLC
TIGER #12 (10/10/22)
Unit Letter B, S27 T30N R13W, San Juan County, New Mexico
36.78897° N, 108.19061° W

PROJECT NUMBER: 05A1226217

FIGURE
1

ENSOLUM
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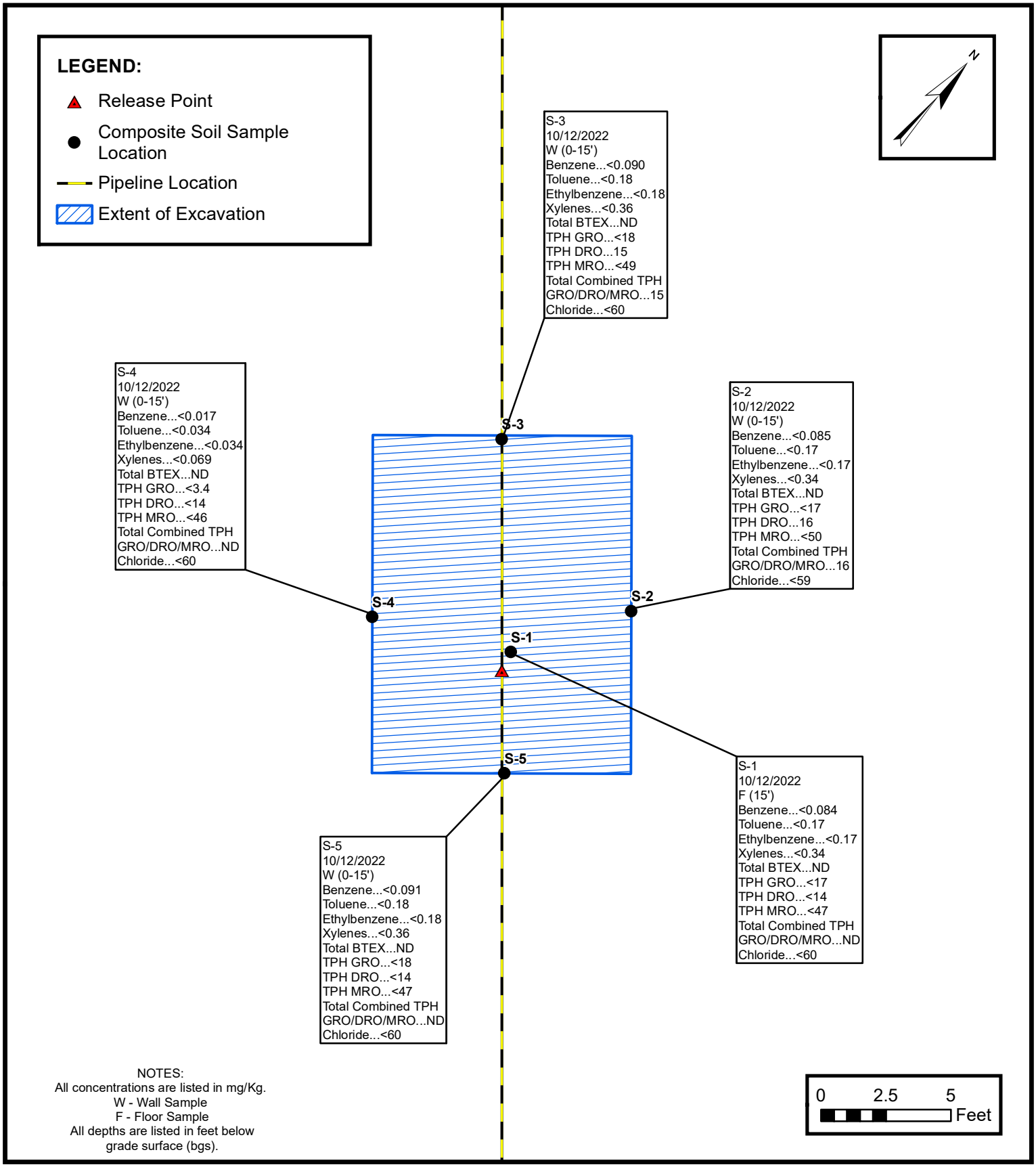
SITE VICINITY MAP

ENTERPRISE FIELD SERVICES, LLC
TIGER #12 (10/10/22)
Unit Letter B, S27 T30N R13W, San Juan County, New Mexico
36.78897° N, 108.19061° W

PROJECT NUMBER: 05A1226217

FIGURE

2



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SITE MAP WITH SOIL ANALYTICAL RESULTS

ENTERPRISE FIELD SERVICES, LLC
TIGER #12 (10/10/22)
Unit Letter B, S27 T30N R13W, San Juan County, New Mexico
36.78897° N, 108.19061° W

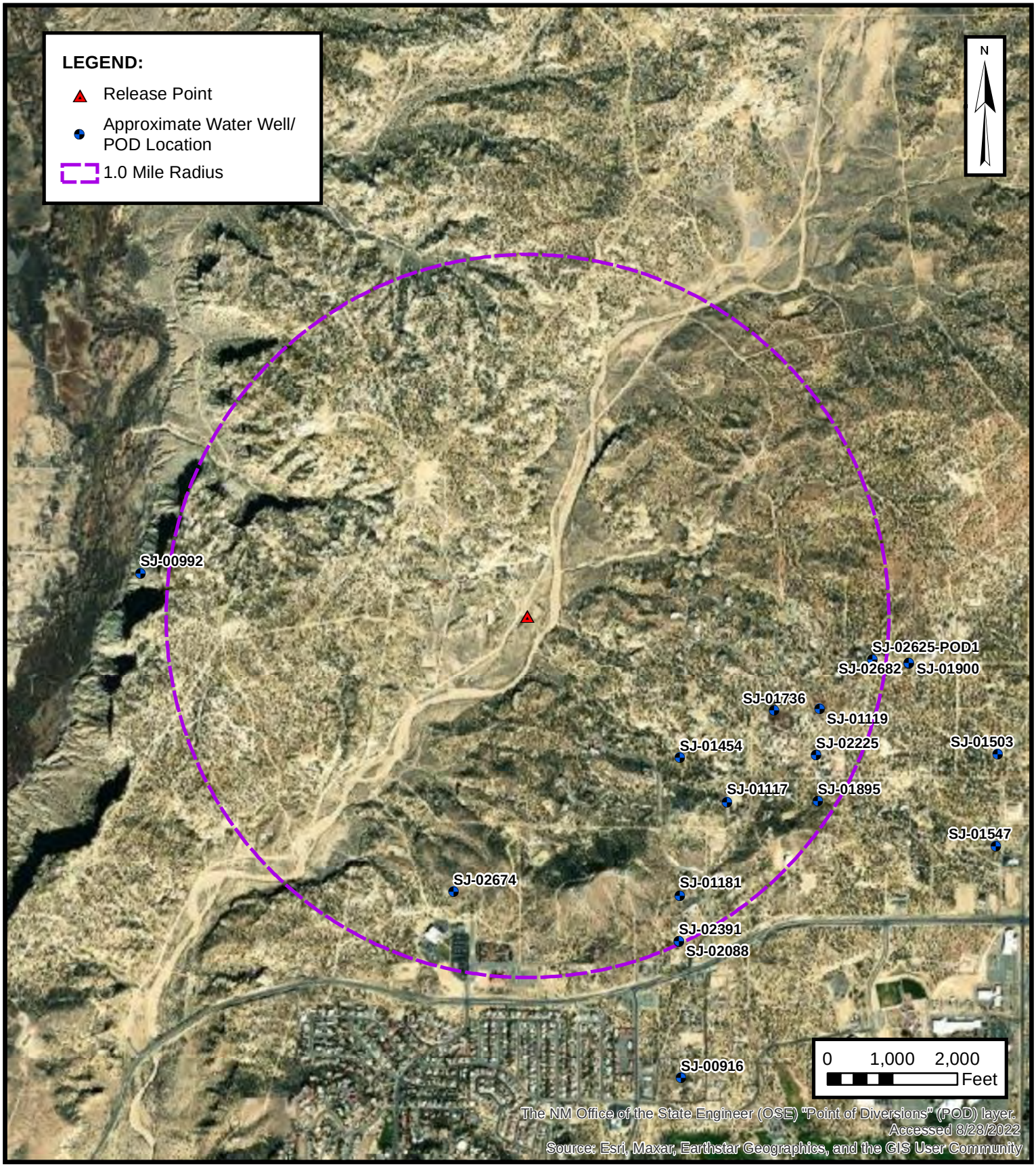
PROJECT NUMBER: 05A1226217

FIGURE
3

ENSOLUM

APPENDIX B

Siting Figures and Documentation



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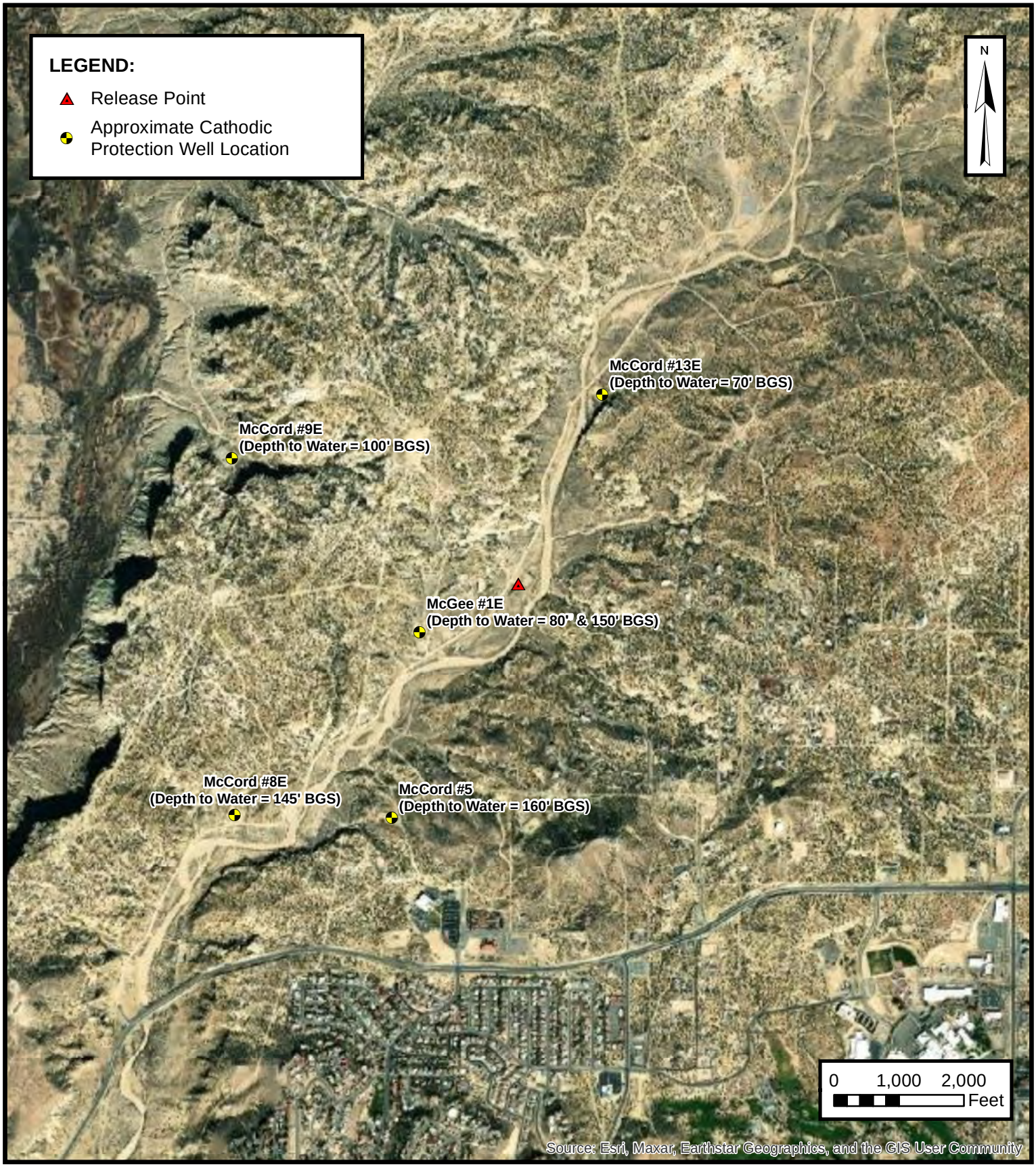
1.0 MILE RADIUS WATER WELL/ POD LOCATION MAP

ENTERPRISE FIELD SERVICES, LLC
TIGER #12 (10/10/22)
Unit Letter B, S27 T30N R13W, San Juan County, New Mexico
36.78897° N, 108.19061° W

PROJECT NUMBER: 05A1226217

FIGURE

A



ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

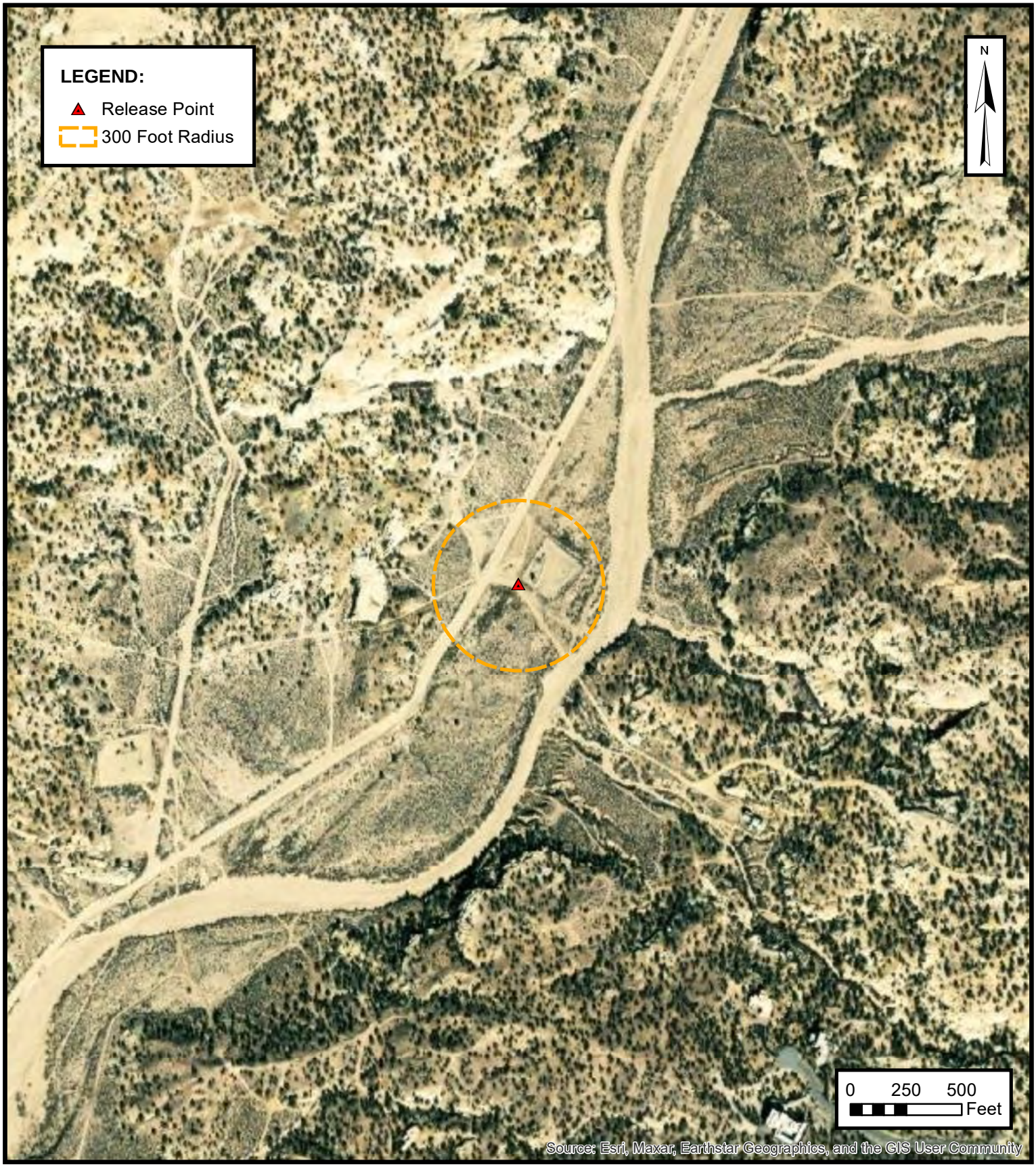
CATHODIC PROTECTION WELL RECORDED DEPTH TO WATER

ENTERPRISE FIELD SERVICES, LLC
TIGER #12 (10/10/22)
Unit Letter B, S27 T30N R13W, San Juan County, New Mexico
36.78897° N, 108.19061° W

PROJECT NUMBER: 05A1226217

FIGURE

B



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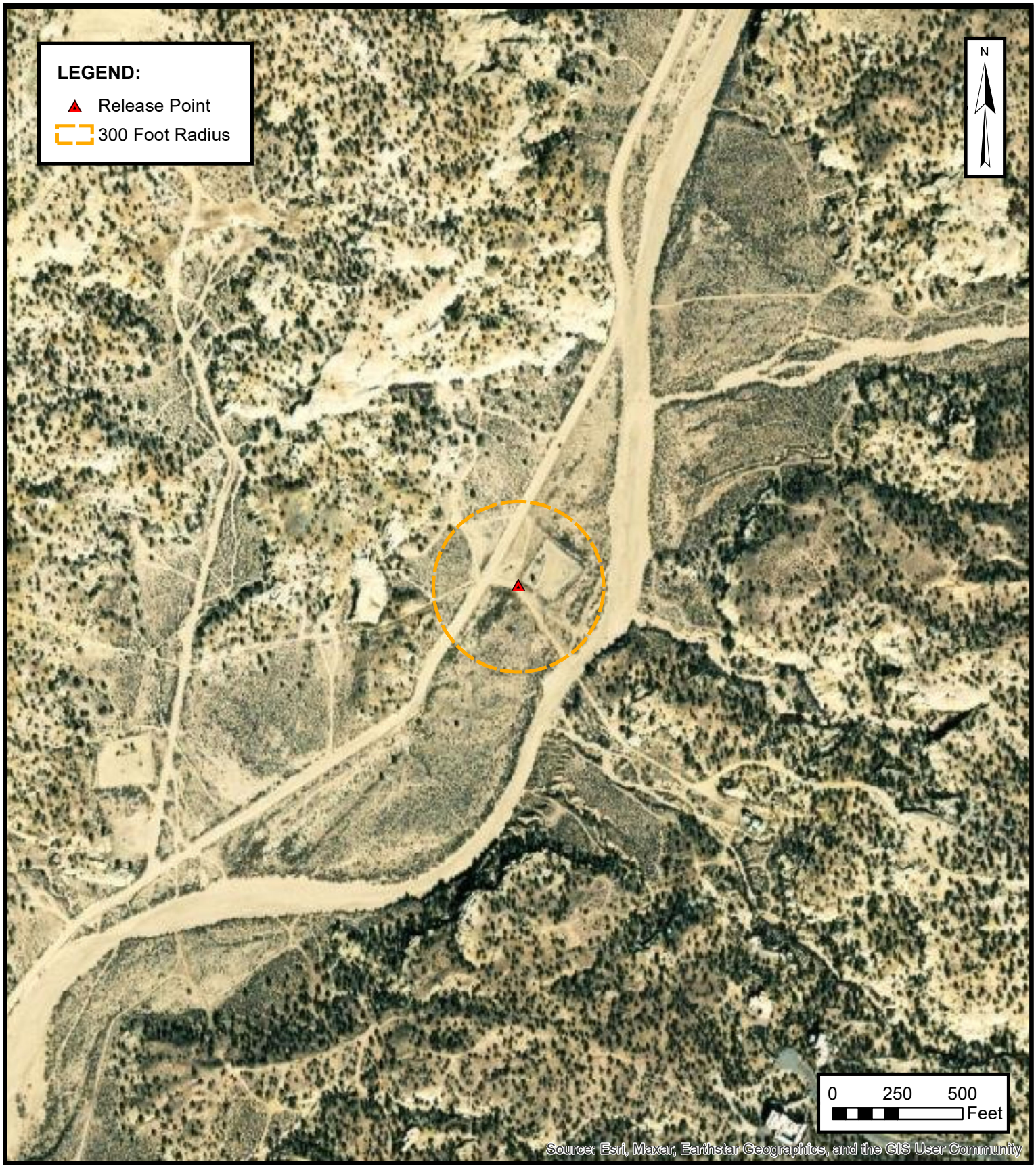
Environmental, Engineering and Hydrogeologic Consultants

300 FOOT RADIUS
WATERCOURSE AND DRAINAGE IDENTIFICATION

ENTERPRISE FIELD SERVICES, LLC
TIGER #12 (10/10/22)
Unit Letter B, S27 T30N R13W, San Juan County, New Mexico
36.78897° N, 108.19061° W

PROJECT NUMBER: 05A1226217

FIGURE
C



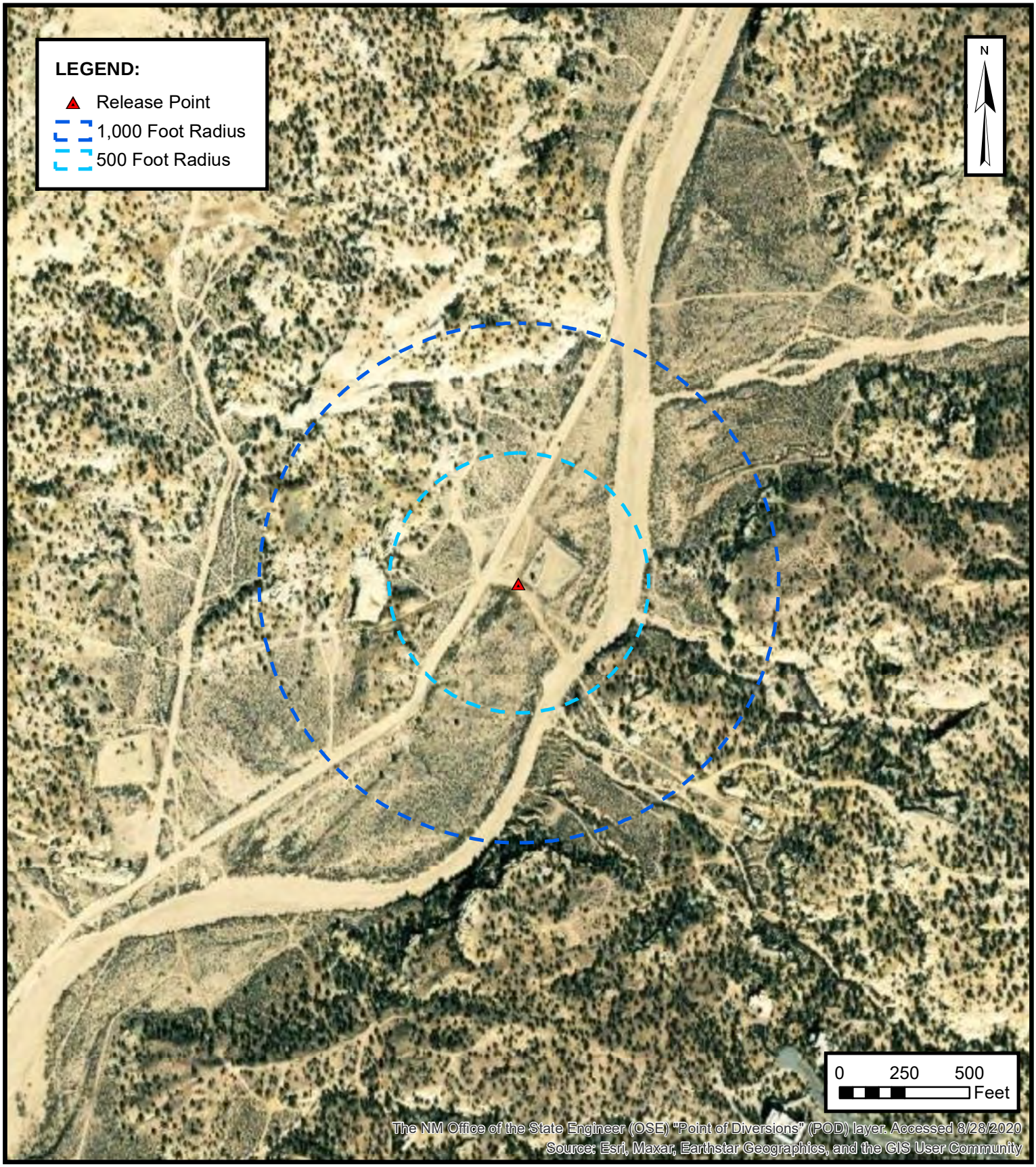
ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

300 FOOT RADIUS
OCCUPIED STRUCTURE IDENTIFICATION

ENTERPRISE FIELD SERVICES, LLC
TIGER #12 (10/10/22)
Unit Letter B, S27 T30N R13W, San Juan County, New Mexico
36.78897° N, 108.19061° W

PROJECT NUMBER: 05A1226217

FIGURE
D



ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

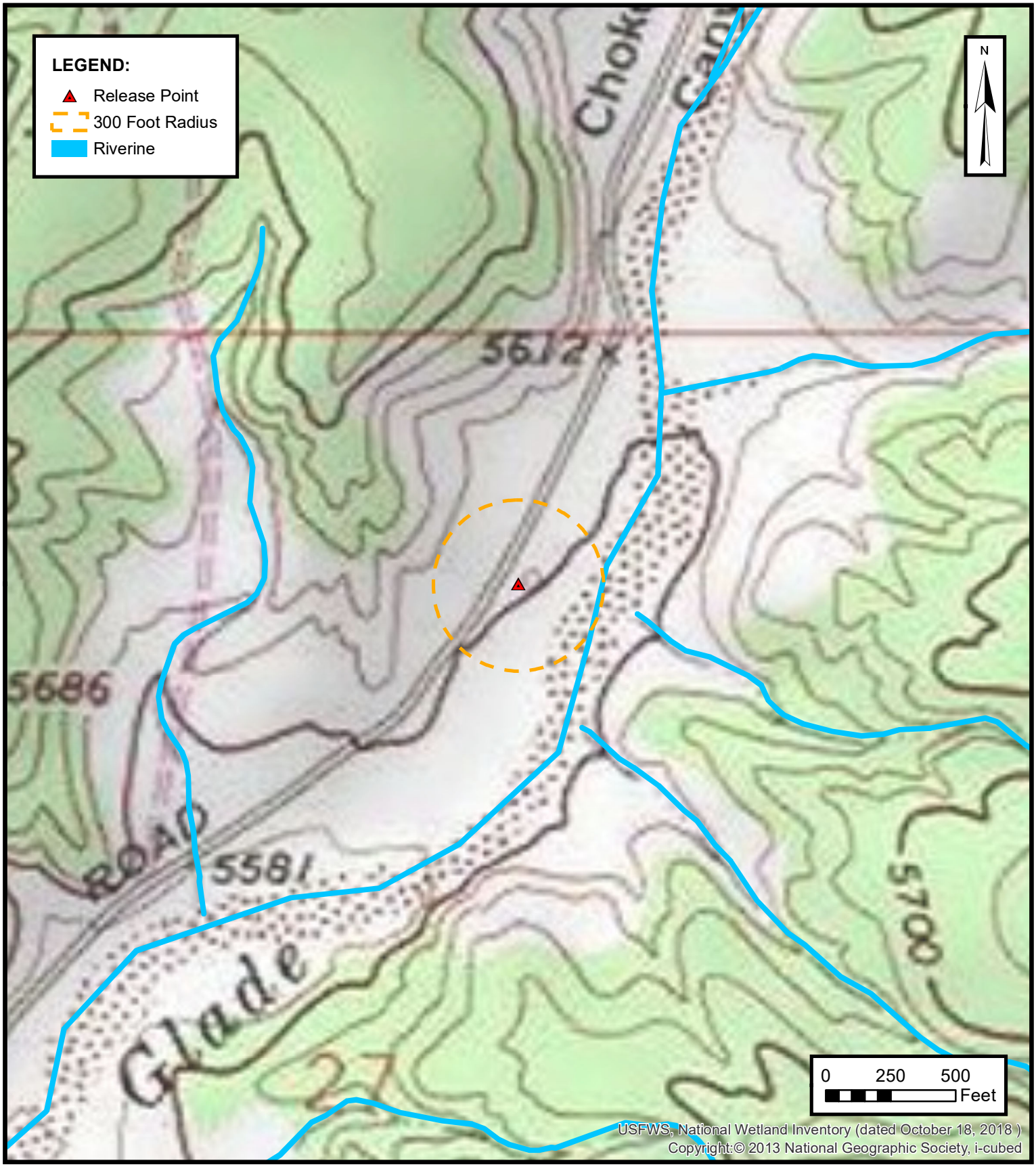
WATER WELL AND NATURAL SPRING LOCATION

ENTERPRISE FIELD SERVICES, LLC
TIGER #12 (10/10/22)
Unit Letter B, S27 T30N R13W, San Juan County, New Mexico
36.78897° N, 108.19061° W

PROJECT NUMBER: 05A1226217

FIGURE

E



ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

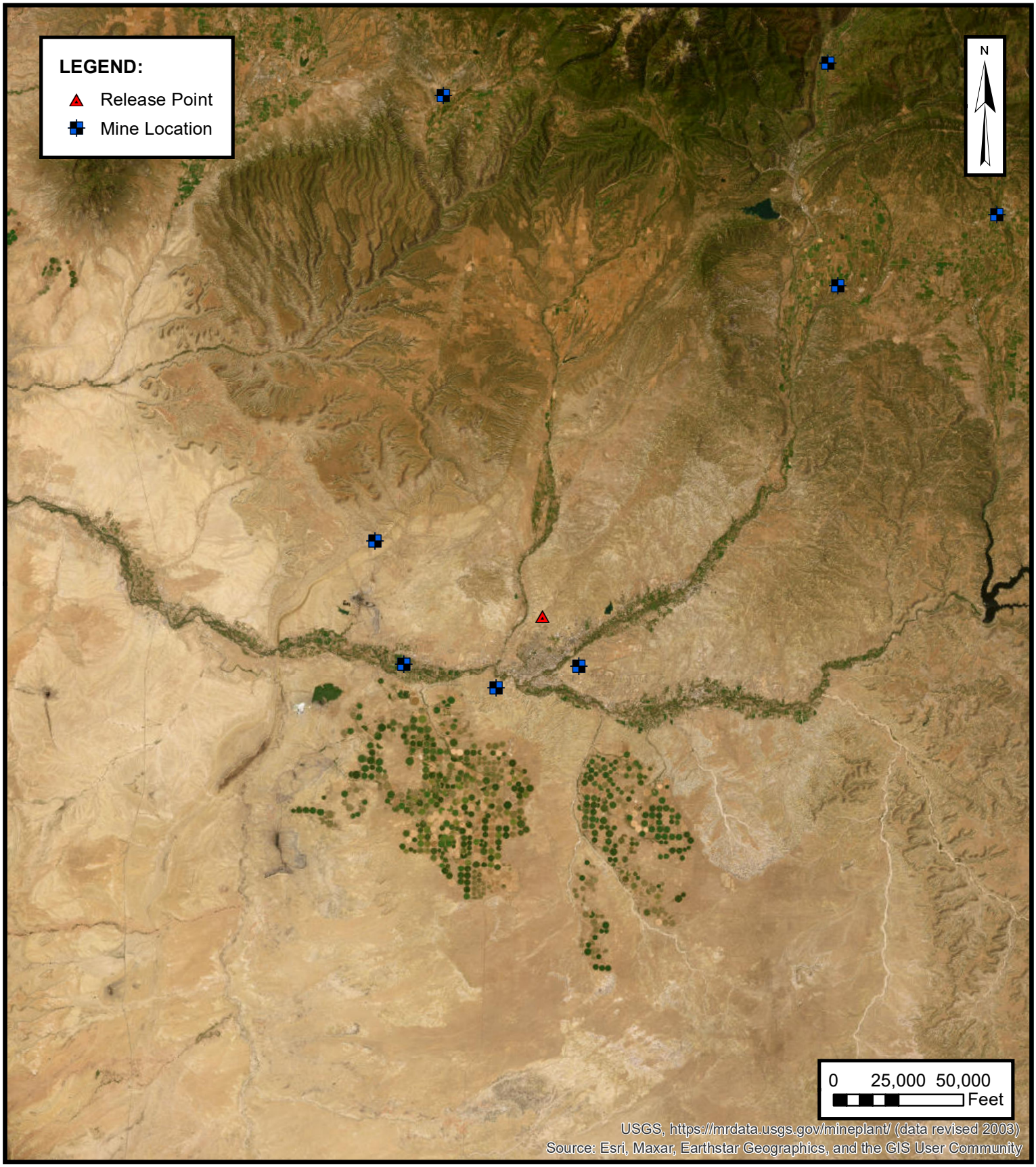
WETLANDS

ENTERPRISE FIELD SERVICES, LLC
TIGER #12 (10/10/22)
Unit Letter B, S27 T30N R13W, San Juan County, New Mexico
36.78897° N, 108.19061° W

PROJECT NUMBER: 05A1226217

FIGURE

F



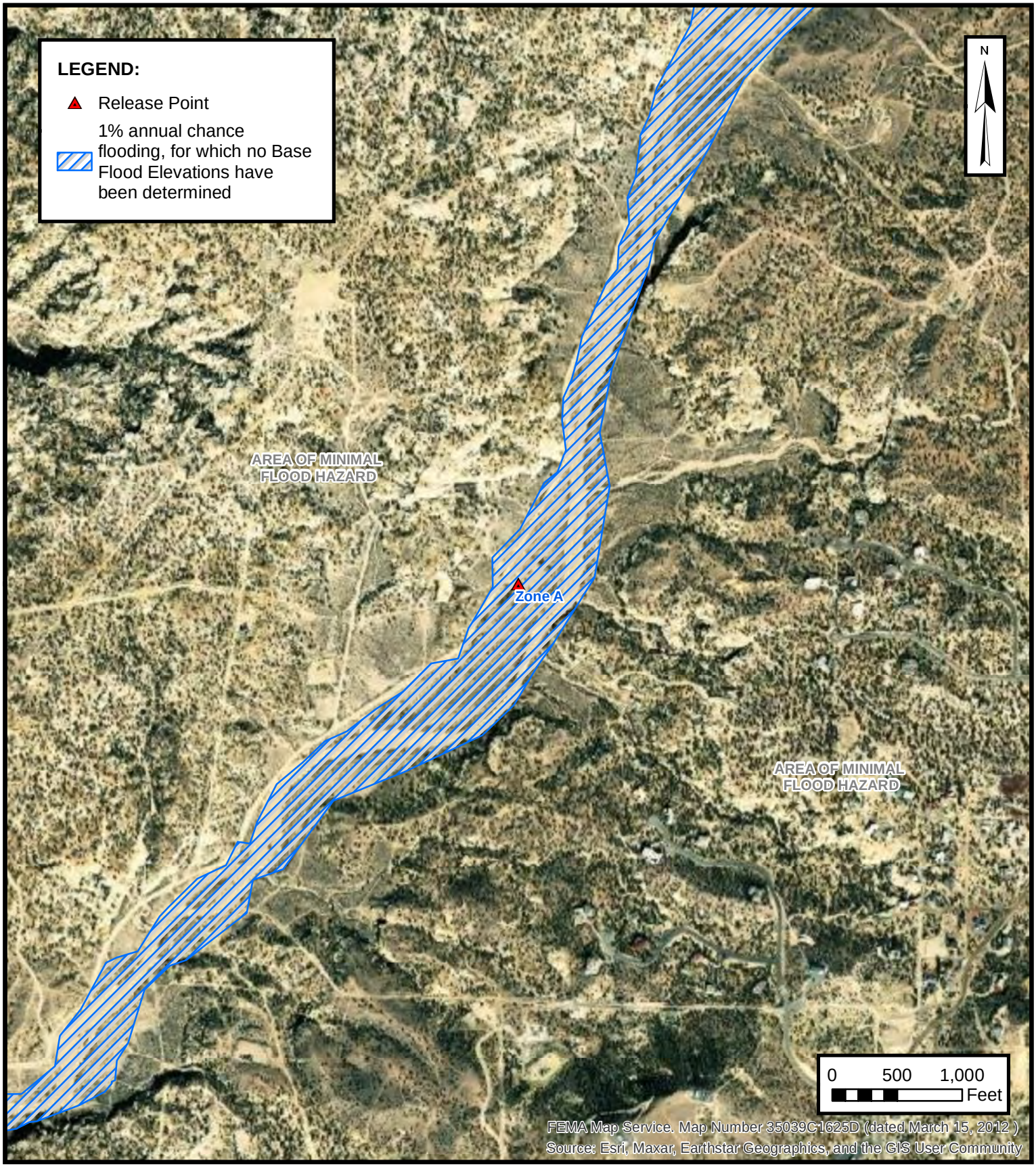
ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

MINES, MILLS AND QUARRIES

ENTERPRISE FIELD SERVICES, LLC
TIGER #12 (10/10/22)
Unit Letter B, S27 T30N R13W, San Juan County, New Mexico
36.78897° N, 108.19061° W

PROJECT NUMBER: 05A1226217

FIGURE
G



ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

100-YEAR FLOOD PLAIN MAP

ENTERPRISE FIELD SERVICES, LLC
TIGER #12 (10/10/22)
Unit Letter B, S27 T30N R13W, San Juan County, New Mexico
36.78897° N, 108.19061° W

PROJECT NUMBER: 05A1226217

FIGURE

H

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

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

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

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

POD Number	POD Code	Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
SJ 00992		SJLP	SJ	1	1	2	28	30N	13W	213591	4076455*	624	306	318
SJ 00992 CLW303071	O		SJ	2	1	2	28	30N	13W	213791	4076455*	624	306	318
SJ 01117		SJAR	SJ	4	1	3	26	30N	13W	216138	4075364*	360	300	60
SJ 01119		SJLP	SJ	4	4	1	26	30N	13W	216560	4075758*	370	300	70
SJ 01181		SJAR	SJ	3	3	3	26	30N	13W	215917	4074959*	257	230	27
SJ 01454		SJLP	SJ	1	1	3	26	30N	13W	215938	4075564*	400	350	50
SJ 01503		SJLP	SJ	2	2	4	26	30N	13W	217337	4075533*	310	260	50
SJ 01736		SJLP	SJ	3	4	1	26	30N	13W	216360	4075758*	332	300	32
SJ 01895		SJAR	SJ	4	2	3	26	30N	13W	216538	4075354*	370	250	120
SJ 02225		SJLP	SJ	2	2	3	26	30N	13W	216538	4075554*	339	300	39
SJ 02391		SJAR	SJ	1	1	1	35	30N	13W	215906	4074756*	260	200	60
SJ 02625 POD1		SJLP	SJ	1	3	1	26	30N	13W	216800	4075968	440		
SJ 02674		SJLP	SJ	4	4	3	27	30N	13W	214922	4075007*	270	250	20

Average Depth to Water: **279 feet**
Minimum Depth: **200 feet**
Maximum Depth: **350 feet**

Record Count: 13

PLSS Search:

Section(s): 27, 26, 28, 21, 22, 23, 33, 34, 35 **Township:** 30N **Range:** 13W

***UTM location was derived from PLSS - see Help**

3719

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

30-045-09146

Operator Meridian Oil Co Location: Unit N Sec. 27 Twp 30 Rng 13

Name of Well/Wells or Pipeline Serviced

McCord #5

Elevation 5662 Completion Date 3-16-93 Total Depth 331' Land Type P

Casing Strings, Sizes, Types & Depths 3/8 Set 92' of 8" PVC Casing.
No Gas, or Water, But 33' of Boulders Were Encountered During Casing.

If Casing Strings are cemented, show amounts & types used Cemented
With 39 Sacks.

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

None

Depths & thickness of water zones with description of water, Fresh, Clear, Salty, Sulphur, Etc. 160'

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JAN 31 1994
OIL CON. DIV.
DIST. 3

Depths gas encountered: None

Ground bed depth with type & amount of coke breeze used: 331'
Asbury Coke - 92 Bags (50 lb Bags)

Depths anodes placed: #1-315', 305, 295, 285, 275, 265, 255, 245, 235, 225, 215, 205, 195, 185, 175.

Depths vent pipes placed: From Surface to 331'

Vent pipe perforations: From 110' to 331'

Remarks: No water sample was taken. Driller had to begin drilling with water at 110' due gravel encountered

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.

4140

30-045-25005

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

Operator MERIDIAN OIL INC. Location: Unit F Sec. 27 Twp 30 Rng 13

Name of Well/Wells or Pipeline Serviced MC GEE #1E

cps 6201w

Elevation N/A Completion Date 1/3/87 Total Depth 300' Land Type* N/A

Casing, Sizes, Types & Depths N/A

If Casing is cemented, show amounts & types used N/A

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

N/A

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

Fresh, Clear, Salty, Sulphur, Etc. 80' & 150'

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Depths gas encountered: N/A

Type & amount of coke breeze used: 1800 lbs.

Depths anodes placed: 290', 280', 270', 260', 250', 240', 230', 220', 210', 200'

Depths vent pipes placed: N/A

Vent pipe perforations: N/A

Remarks: gb #1

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.

4001

30-045-26161

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

Operator MERIDIAN OIL INC. Location: Unit P Sec. 28 Twp 30 Rng 13

Name of Well/Wells or Pipeline Serviced MC CORD #8E

cps 6173w

Elevation N/A Completion Date 12/13/86 Total Depth 300' Land Type* N/A

Casing, Sizes, Types & Depths 100' OF 7" CASING

If Casing is cemented, show amounts & types used N/A

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

N/A

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

Fresh, Clear, Salty, Sulphur, Etc. 145'

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MAY 31 1991
OIL CON. DIV.
DIST. 3

Depths gas encountered: N/A

Type & amount of coke breeze used: 1500 lbs.

Depths anodes placed: 270', 260', 250', 240', 230', 220', 210', 200', 190', 180'

Depths vent pipes placed: 280'

Vent pipe perforations: 140'

Remarks: gb #1

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.

1536

C

#9E 30-045-26021

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

Operator MERIDIAN OIL INC. Location: Unit P Sec. 21 Twp 30 Rng 13

Name of Well/Wells or Pipeline Serviced MC CORD #9E

cps 6558w

Elevation N/A Completion Date 12/27/86 Total Depth 320' Land Type* N/A

Casing, Sizes, Types & Depths 80'

If Casing is cemented, show amounts & types used N/A

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

N/A

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

Fresh, Clear, Salty, Sulphur, Etc. 100'

Depths gas encountered: N/A

Type & amount of coke breeze used: 1800 lbs.

Depths anodes placed: 290', 280', 270', 260', 240', 230', 220', 195', 185', 175'

Depths vent pipes placed: N/A

Vent pipe perforations: N/A

Remarks: gb #1

RECEIVED
MAY 31 1991
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.

BURGE CORROSION SYSTEMS, INC.

P.O. BOX 1359 - PHONE 334-6141
AZTEC, NEW MEXICO 87410

Drilling Log (Attach Hereto). ☐ Q558W

Completion Date 12-27-86

Well Name	Location	
McCord #9E	Vaion Texas Petroleum	P 21 30 13
Type & Size Bit Used		Work Order No. 133

Anode Hole Depth	Total Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used	No. Sacks Mud Used
320		1800		

	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
Anode Depth	290	280	270	260	240	230	220	195	185	175
Anode Output (Amps)	5.48	4.98	4.60	5.57	4.96	5.32	5.87	4.42	5.41	6.34
Anode Depth	#11	#12	#13	#14	#15	#16	#17	#18	#19	#20
Anode Output (Amps)	#11	#12	#13	#14	#15	#16	#17	#18	#19	#20

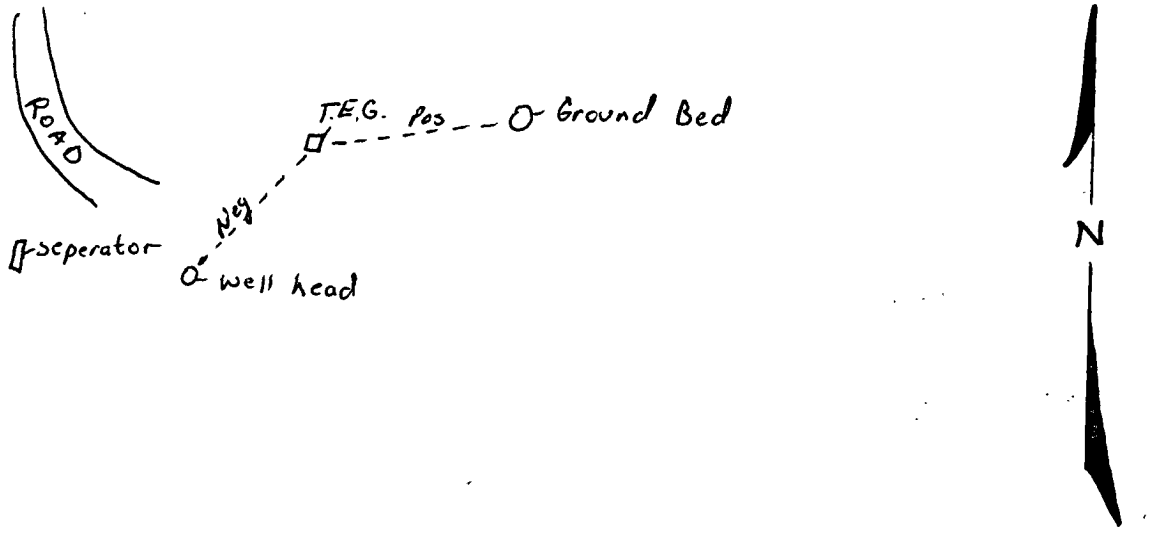
Total Circuit Resistance			No. 8 C.P. Cable Used	No. 2 C.P. Cable Used
Volts 13.2	Amps 30.2	Ohms 0.44	2545'	

Remarks: NegaEive 186 feed

All Construction Completed

John Smith
(Signature)

GROUND BED LAYOUT SKETCH



CORROSION CONTROL CO. — 301 Ash — Aztec New Mexico

COMPANY Union Texas Petroleum **DAILY DRILLING REPORT** December 27 19 86

WELL NAME:	WELL NUMBER:	SECTION:	TOWNSHIP:	RANGE:
McCord	9-E	21	30	12

WATER AT	FEET	HOLE MADE:
100'		320'

DESCRIPTION OF FORMATION

FROM	TO	FORMATION IS	COLOR
0'	80'	Sand & Gravel. (Casing)	Tan.
80'	110'	Coarse Sand & Sandstone	Gray.
110'	130'	Sand & Bentonite.	White.
130'	170'	Sand stone	Gray
170'	200'	Bentonite.	White
200'	320'	Shale	Grey.

REMARKS: Hole was making some water higher but sealed off when casing was set. 100' zone was producing approx 2 gallons per minute.

Driller Cody Mendoza **Tool Dresser**

1482

30-045-26022

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

Operator MERIDIAN OIL INC. Location: Unit I Sec. 22 Twp 30 Rng 12

Name of Well/Wells or Pipeline Serviced MC CORD #13E

cps 6170w

Elevation N/A Completion Date 1/7/87 Total Depth 320' Land Type* N/A

Casing, Sizes, Types & Depths 100' OF 7" STEEL CASING

If Casing is cemented, show amounts & types used N/A

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

N/A

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

Fresh, Clear, Salty, Sulphur, Etc. 70'

Depths gas encountered: N/A

Type & amount of coke breeze used: 2600 lbs.

Depths anodes placed: 305', 290', 275', 260',245', 230', 215', 200', 185', 170'

Depths vent pipes placed: N/A

Vent pipe perforations: N/A

Remarks: gb #1 LOST FIRST HOLE.

RECEIVED
MAY 31 1991
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.

BURGE CORROSION SYSTEMS, INC.

P.O. BOX 1359 - PHONE 334-6141
AZTEC, NEW MEXICO 87410

Drilling Log (Attach Hereto). ☐ (e) 70W Completion Date 1-7-87

Well Name	Location	
McCord # 13-E	Union Texas Petroleum	
Type & Size Bit Used		Work Order No. 133

Anode Hole Depth	Total Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used	No. Sacks Mud Used
320'		2600		

	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
Anode Depth	305	290	275	260	245	230	215	200	185	170
Anode Output (Amps)	3.8	3.0	1.4	1.2	1.0	1.0	1.0	1.2	2.1	1.6

	#11	#12	#13	#14	#15	#16	#17	#18	#19	#20
Anode Depth										
Anode Output (Amps)										

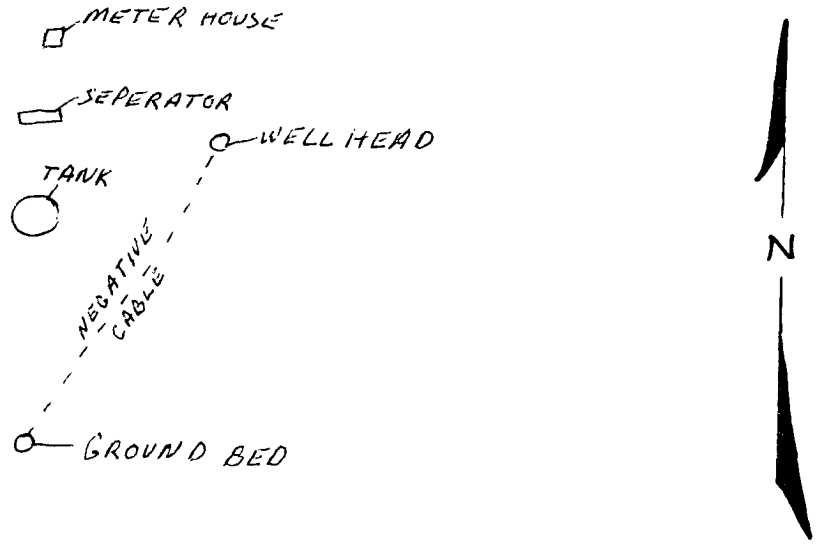
Total Circuit Resistance			No. 8 C.P. Cable Used	No. 2 C.P. Cable Used
Volts 12.1	Amps 12.4	Ohms 0.98	2575'	

Remarks: Negative Cable 237 feet

All Construction Completed

Johny Smith
(Signature)

GROUND BED LAYOUT SKETCH



CORROSION CONTROL CO. — 301 Ash — Aztec, New Mexico

COMPANY UNION TEXAS PETROLEUM **DAILY DRILLING REPORT** 1 - 2 **19** 87

WELL NAME:	WELL NUMBER:	SECTION:	TOWNSHIP:	RANGE:
McCORD	13- E	22	30	13

WATER AT	FEET	HOLE MADE:
70'		320'

DESCRIPTION OF FORMATION

FROM	TO	FORMATION IS	COLOR
0	100'	7" steele casing / sand gravel mixture	
100	120	shale / sand gravel	
120	180	shale /bentonite / sandstone	
180	320	sand/bentonite / shale,sandy	

REMARKS: Set 7" steele casing to 100'. Water was present at 70'. Hole depth was 320'. 2 holes were drilled on this location due to the sand sluffing off down hole.

Brian E. Burge — **Driller** — **Tool Dresser**

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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: RB21200
PM: Gary Turner
AFE:Pending

2. Originating Site:
Tiger #12

3. Location of Material (Street Address, City, State or ULSTR):
UL B Section 27 T30N R13W;36.788970, -108.190600

October 2022

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) 146/85 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) 10-5-2022, 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: TBD Riley, OFT, Stan Horn, Bartley's

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: 10/5/22
SIGNATURE: TELEPHONE NO.: 505-632-0615
Surface Waste Management Facility Authorized Agent

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APPENDIX D

Photographic Documentation

SITE PHOTOGRAPHS

Closure Report
Enterprise Field Services, LLC
Tiger #12 (10/10/22)
Ensolum Project No. 05A1226217

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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
Tiger #12 (10/10/22)
Ensolum Project No. 05A1226217

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Photograph 4 Photograph Description: View of the site after initial restoration.	
Photograph 5 Photograph Description: View of the site after initial restoration.	

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APPENDIX E

Regulatory Correspondence

From: Kyle Summers
To: Ranee Deechilly
Subject: FW: [EXTERNAL] Tiger #12 - UL B Section 27 T30N R13W;36.788970, -108.190600; Incident # nAPP2228348113
Date: Wednesday, October 12, 2022 8:08:22 AM
Attachments: image004.png
image005.png
image006.png

Kyle Summers
Principal
903-821-5603
Ensolum, LLC

From: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Sent: Wednesday, October 12, 2022 7:49 AM
To: Long, Thomas <tjlong@eprod.com>
Cc: Stone, Brian <bmstone@eprod.com>; Kyle Summers <ksummers@ensolum.com>
Subject: RE: [EXTERNAL] Tiger #12 - UL B Section 27 T30N R13W;36.788970, -108.190600; Incident # nAPP2228348113

[**EXTERNAL EMAIL**]

Tom,

Thank you for the notice. Your variance request is approved.

If an OCD representative is not on-site on the date &/or time given, please sample per 19.15.29 NMAC. 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 *NOTE NEW EMAIL ADDRESS*
http://www.emnrd.state.nm.us/OCD/

From: Long, Thomas <tjlong@eprod.com>
Sent: Tuesday, October 11, 2022 1:48 PM
To: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Cc: Stone, Brian <bmstone@eprod.com>; Kyle Summers <ksummers@ensolum.com>
Subject: [EXTERNAL] Tiger #12 - UL B Section 27 T30N R13W;36.788970, -108.190600; Incident # nAPP2228348113

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

Nelson,

This email is a sample notification and variance request. Enterprise is requesting a variance for required 48 hour notification per 19.15.29.12D (1a) NMAC. Enterprise would like to collect the closure samples tomorrow October 12, 2022 at 10:00 a.m. at the Tiger #12 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

ENSOLUM

APPENDIX F

Table 1 – Soil Analytical Summary

ENSOLUM

TABLE 1
Tiger #12 (10/10/22)
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) (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	10.12.22	C	15	<0.084	<0.17	<0.17	<0.34	ND	<17	<14	<47	ND	<60
S-2	10.12.22	C	0 to 15	<0.085	<0.17	<0.17	<0.34	ND	<17	16	<50	16	<59
S-3	10.12.22	C	0 to 15	<0.090	<0.18	<0.18	<0.36	ND	<18	15	<49	15	<60
S-4	10.12.22	C	0 to 15	<0.017	<0.034	<0.034	<0.069	ND	<3.4	<14	<46	ND	<60
S-5	10.12.22	C	0 to 15	<0.091	<0.18	<0.18	<0.36	ND	<18	<14	<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)
NE = Not established
mg/kg = milligram per kilogram
BTEX = Benzene, Toluene, Ethylbenzene, and Xylenes
TPH = Total Petroleum Hydrocarbon
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

October 17, 2022

Kyle Summers

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

RE: Tiger 12 OrderNo.: 2210599

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 5 sample(s) on 10/13/2022 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 **2210599**
Date Reported: **10/17/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM
Client Sample ID: S-1
Project: Tiger 12
Collection Date: 10/12/2022 10:05:00 AM
Lab ID: 2210599-001 **Matrix:** SOIL **Received Date:** 10/13/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **NAI**	
Chloride	ND	60		mg/Kg	20	10/13/2022 10:41:42 AM	70774
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	10/13/2022 1:02:41 PM	70789
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/13/2022 1:02:41 PM	70789
Surr: DNOP	99.5	21-129		%Rec	1	10/13/2022 1:02:41 PM	70789
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	17		mg/Kg	5	10/13/2022 8:51:11 AM	G91770
Surr: BFB	87.2	37.7-212		%Rec	5	10/13/2022 8:51:11 AM	G91770
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.084		mg/Kg	5	10/13/2022 8:51:11 AM	B91770
Toluene	ND	0.17		mg/Kg	5	10/13/2022 8:51:11 AM	B91770
Ethylbenzene	ND	0.17		mg/Kg	5	10/13/2022 8:51:11 AM	B91770
Xylenes, Total	ND	0.34		mg/Kg	5	10/13/2022 8:51:11 AM	B91770
Surr: 4-Bromofluorobenzene	92.6	70-130		%Rec	5	10/13/2022 8:51:11 AM	B91770

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	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 range due to dilution or matrix interference		

Analytical Report
Lab Order **2210599**
Date Reported: **10/17/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM
Client Sample ID: S-2
Project: Tiger 12
Collection Date: 10/12/2022 10:10:00 AM
Lab ID: 2210599-002 **Matrix:** SOIL **Received Date:** 10/13/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **NAI**	
Chloride	ND	59		mg/Kg	20	10/13/2022 10:54:02 AM	70774
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	16	15		mg/Kg	1	10/13/2022 1:16:46 PM	70789
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	10/13/2022 1:16:46 PM	70789
Surr: DNOP	98.2	21-129		%Rec	1	10/13/2022 1:16:46 PM	70789
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	17		mg/Kg	5	10/13/2022 9:14:54 AM	G91770
Surr: BFB	86.5	37.7-212		%Rec	5	10/13/2022 9:14:54 AM	G91770
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.085		mg/Kg	5	10/13/2022 9:14:54 AM	B91770
Toluene	ND	0.17		mg/Kg	5	10/13/2022 9:14:54 AM	B91770
Ethylbenzene	ND	0.17		mg/Kg	5	10/13/2022 9:14:54 AM	B91770
Xylenes, Total	ND	0.34		mg/Kg	5	10/13/2022 9:14:54 AM	B91770
Surr: 4-Bromofluorobenzene	92.5	70-130		%Rec	5	10/13/2022 9:14:54 AM	B91770

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	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 range due to dilution or matrix interference		

Analytical Report
Lab Order **2210599**
Date Reported: **10/17/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM
Client Sample ID: S-3
Project: Tiger 12
Collection Date: 10/12/2022 10:15:00 AM
Lab ID: 2210599-003 **Matrix:** SOIL **Received Date:** 10/13/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **NAI**	
Chloride	ND	60		mg/Kg	20	10/13/2022 11:06:23 AM	70774
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	15	15		mg/Kg	1	10/13/2022 1:30:49 PM	70789
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/13/2022 1:30:49 PM	70789
Surr: DNOP	99.2	21-129		%Rec	1	10/13/2022 1:30:49 PM	70789
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	18		mg/Kg	5	10/13/2022 9:38:32 AM	G91770
Surr: BFB	88.0	37.7-212		%Rec	5	10/13/2022 9:38:32 AM	G91770
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.090		mg/Kg	5	10/13/2022 9:38:32 AM	B91770
Toluene	ND	0.18		mg/Kg	5	10/13/2022 9:38:32 AM	B91770
Ethylbenzene	ND	0.18		mg/Kg	5	10/13/2022 9:38:32 AM	B91770
Xylenes, Total	ND	0.36		mg/Kg	5	10/13/2022 9:38:32 AM	B91770
Surr: 4-Bromofluorobenzene	94.1	70-130		%Rec	5	10/13/2022 9:38:32 AM	B91770

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	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 range due to dilution or matrix interference		

Analytical Report
Lab Order **2210599**
Date Reported: **10/17/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM
Client Sample ID: S-4
Project: Tiger 12
Collection Date: 10/12/2022 10:20:00 AM
Lab ID: 2210599-004 **Matrix:** SOIL **Received Date:** 10/13/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **NAI**	
Chloride	ND	60		mg/Kg	20	10/13/2022 11:18:44 AM	70774
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	10/13/2022 1:44:40 PM	70789
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	10/13/2022 1:44:40 PM	70789
Surr: DNOP	100	21-129		%Rec	1	10/13/2022 1:44:40 PM	70789
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	3.4		mg/Kg	1	10/13/2022 10:02:10 AM	G91770
Surr: BFB	86.5	37.7-212		%Rec	1	10/13/2022 10:02:10 AM	G91770
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.017		mg/Kg	1	10/13/2022 10:02:10 AM	B91770
Toluene	ND	0.034		mg/Kg	1	10/13/2022 10:02:10 AM	B91770
Ethylbenzene	ND	0.034		mg/Kg	1	10/13/2022 10:02:10 AM	B91770
Xylenes, Total	ND	0.069		mg/Kg	1	10/13/2022 10:02:10 AM	B91770
Surr: 4-Bromofluorobenzene	93.4	70-130		%Rec	1	10/13/2022 10:02:10 AM	B91770

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	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 range due to dilution or matrix interference		

Analytical Report
Lab Order **2210599**
Date Reported: **10/17/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM
Client Sample ID: S-5
Project: Tiger 12
Collection Date: 10/12/2022 10:25:00 AM
Lab ID: 2210599-005 **Matrix:** SOIL **Received Date:** 10/13/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **NAI**	
Chloride	ND	60		mg/Kg	20	10/13/2022 11:31:05 AM	70774
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	10/13/2022 1:58:59 PM	70789
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/13/2022 1:58:59 PM	70789
Surr: DNOP	98.1	21-129		%Rec	1	10/13/2022 1:58:59 PM	70789
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	18		mg/Kg	5	10/13/2022 10:25:53 AM	G91770
Surr: BFB	89.1	37.7-212		%Rec	5	10/13/2022 10:25:53 AM	G91770
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.091		mg/Kg	5	10/13/2022 10:25:53 AM	B91770
Toluene	ND	0.18		mg/Kg	5	10/13/2022 10:25:53 AM	B91770
Ethylbenzene	ND	0.18		mg/Kg	5	10/13/2022 10:25:53 AM	B91770
Xylenes, Total	ND	0.36		mg/Kg	5	10/13/2022 10:25:53 AM	B91770
Surr: 4-Bromofluorobenzene	94.7	70-130		%Rec	5	10/13/2022 10:25:53 AM	B91770

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	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 range due to dilution or matrix interference		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2210599**

17-Oct-22

Client: ENSOLUM

Project: Tiger 12

Sample ID: **MB-70774**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS**	Batch ID: **70774**	RunNo: **91773**
Prep Date: **10/12/2022**	Analysis Date: **10/13/2022**	SeqNo: **3291389** Units: **mg/Kg**

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

Sample ID: **LCS-70774**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS**	Batch ID: **70774**	RunNo: **91773**
Prep Date: **10/12/2022**	Analysis Date: **10/13/2022**	SeqNo: **3291390** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.7	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 range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	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#: **2210599**

17-Oct-22

Client: ENSOLUM

Project: Tiger 12

Sample ID: **MB-70789**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **70789**	RunNo: **91780**
Prep Date: **10/13/2022**	Analysis Date: **10/13/2022**	SeqNo: **3290473** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.8		10.00		87.7	21	129			

Sample ID: **LCS-70789**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **70789**	RunNo: **91780**
Prep Date: **10/13/2022**	Analysis Date: **10/13/2022**	SeqNo: **3290474** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	15	50.00	0	93.7	64.4	127			
Surr: DNOP	4.4		5.000		89.0	21	129			

Sample ID: **2210599-001AMS**	SampType: **MS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **S-1**	Batch ID: **70789**	RunNo: **91780**
Prep Date: **10/13/2022**	Analysis Date: **10/13/2022**	SeqNo: **3291589** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	60	15	49.31	0	121	36.1	154			
Surr: DNOP	5.3		4.931		107	21	129			

Sample ID: **2210599-001AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **S-1**	Batch ID: **70789**	RunNo: **91780**
Prep Date: **10/13/2022**	Analysis Date: **10/13/2022**	SeqNo: **3291590** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	60	15	49.26	0	121	36.1	154	0.0569	33.9	
Surr: DNOP	5.1		4.926		104	21	129	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 range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	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#: **2210599**

17-Oct-22

Client: ENSOLUM

Project: Tiger 12

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **G91770**	RunNo: **91770**
Prep Date:	Analysis Date: **10/13/2022**	SeqNo: **3290541** 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	900		1000		89.9	37.7	212			

Sample ID: **2.5ug gro lcs**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **G91770**	RunNo: **91770**
Prep Date:	Analysis Date: **10/13/2022**	SeqNo: **3290542** 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	94.2	72.3	137			
Surr: BFB	1800		1000		182	37.7	212			

Sample ID: **2210599-001ams**	SampType: **MS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **S-1**	Batch ID: **G91770**	RunNo: **91770**
Prep Date:	Analysis Date: **10/13/2022**	SeqNo: **3290543** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	80	17	83.95	0	94.9	70	130			
Surr: BFB	6100		3358		181	37.7	212			

Sample ID: **2210599-001amsd**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **S-1**	Batch ID: **G91770**	RunNo: **91770**
Prep Date:	Analysis Date: **10/13/2022**	SeqNo: **3290545** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	80	17	83.95	0	95.8	70	130	0.881	20	
Surr: BFB	6300		3358		186	37.7	212	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 range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	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#: **2210599**

17-Oct-22

Client: ENSOLUM

Project: Tiger 12

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **B91770**	RunNo: **91770**
Prep Date:	Analysis Date: **10/13/2022**	SeqNo: **3290582** 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	0.97		1.000		97.0	70	130			

Sample ID: **100ng btex lcs**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **B91770**	RunNo: **91770**
Prep Date:	Analysis Date: **10/13/2022**	SeqNo: **3290583** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	1.000	0	101	80	120			
Toluene	1.0	0.050	1.000	0	100	80	120			
Ethylbenzene	0.99	0.050	1.000	0	99.1	80	120			
Xylenes, Total	3.0	0.10	3.000	0	98.8	80	120			
Surr: 4-Bromofluorobenzene	0.96		1.000		95.9	70	130			

Sample ID: **2210599-002ams**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **S-2**	Batch ID: **B91770**	RunNo: **91770**
Prep Date:	Analysis Date: **10/13/2022**	SeqNo: **3290584** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	3.4	0.085	3.383	0	101	68.8	120			
Toluene	3.4	0.17	3.383	0	100	73.6	124			
Ethylbenzene	3.4	0.17	3.383	0	99.8	72.7	129			
Xylenes, Total	10	0.34	10.15	0	99.4	75.7	126			
Surr: 4-Bromofluorobenzene	3.2		3.383		95.7	70	130			

Sample ID: **2210599-002amsd**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **S-2**	Batch ID: **B91770**	RunNo: **91770**
Prep Date:	Analysis Date: **10/13/2022**	SeqNo: **3290585** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	3.4	0.085	3.383	0	99.4	68.8	120	1.10	20	
Toluene	3.3	0.17	3.383	0	98.8	73.6	124	1.54	20	
Ethylbenzene	3.3	0.17	3.383	0	98.7	72.7	129	1.16	20	
Xylenes, Total	10	0.34	10.15	0	99.1	75.7	126	0.292	20	
Surr: 4-Bromofluorobenzene	3.3		3.383		98.6	70	130	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	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: 2210599 RcptNo: 1

Received By: Juan Rojas 10/13/2022 7:15:00 AM

Completed By: Tracy Casarrubias 10/13/2022 7:35:00 AM

Reviewed By: 10.13.22

Chain of Custody

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

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 10/13/22

Special Handling (if applicable)

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

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.8	Good	Yes			

Chain-of-Custody Record

Client: Ensolum, LLC

Mailing Address: 606 S. Rio Grande Suite A
Aztec, NM 87410

Phone #:

email or Fax#: ksummers@ensolum.com

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

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

Turn-Around Time: SAME DAY
☐ Standard ☒ Rush 100%

Project Name: Tiger #12

Project #: See notes

Project Manager: KSummers

Sampler: RDeChilly
On Ice: ☒ Yes ☐ No
# of Coolers: 1
Cooler Temp(including CF): 1.9-0.1=1.8 (°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. 2210599	BTEX / MTBE / TMBs (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)	Chloride
10/12/22	1005	S	S-1	(1) 4oz Jar	cool	001	X	X									X
10/12/22	1010	S	S-2	(1) 4oz Jar	cool	002	X	X									X
10/12/22	1015	S	S-3	(1) 4oz Jar	cool	003	X	X									X
10/12/22	1020	S	S-4	(1) 4oz Jar	cool	004	X	X									X
10/12/22	1025	S	S-5	(1) 4oz Jar	cool	005	X	X									X

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
10/12/22	1130			Hand	10/12/22	1130
Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
10/12/22	1800			Courier	10/13/22	7:15

Remarks:
SAME DAY
PM - Tom Long (EPROD)
Pay Key - RB21200
Non AFE - N610666

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 226517

CONDITIONS

Operator: Enterprise Field Services, LLC PO Box 4324 Houston, TX 77210	OGRID: 241602
	Action Number: 226517
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	None	6/13/2023