

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

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

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

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) nAPP2227628237
Contact mailing address: 614 Reilly Ave, Farmington, NM 87401	

Location of Release Source

Latitude **36.593439** Longitude **-107.985473** (NAD 83 in decimal degrees to 5 decimal places)

Site Name Trunk 2C	Site Type Natural Gas Gathering Pipeline
Date Release Discovered: 09/30/2022	Serial Number (if applicable): N/A

Unit Letter	Section	Township	Range	County
A	10	27N	11W	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)

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input checked="" type="checkbox"/> Condensate	Volume Released (bbls): 5-10 Estimated	Volume Recovered (bbls): None
<input checked="" type="checkbox"/> Natural Gas	Volume Released (Mcf): 261 MCF	Volume Recovered (Mcf): None
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units):	Volume/Weight Recovered (provide units)

Cause of Release: On September 26, 2022, Enterprise had a release of natural gas from the Trunk 2C. The pipeline was isolated, depressurized, locked and tagged out. No liquids were released to the ground surface. No emergency services responded. No fire nor injuries occurred. Remediation and repairs began on September 30, 2022, at which time Enterprise determined reportable per New Mexico Oil Conservation Division regulation, due to the volume of impacted subsurface soil. The remediation was completed on October 4, 2022. The final excavation dimensions measured approximately 18 feet long by 18 feet wide by 8 feet deep. A total of 312 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

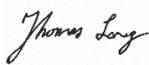
The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled 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:  Date: 03-21-2023

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:  Date: 04/28/2023

Printed Name: Nelson Velez Title: Environmental Specialist – Adv



ENSOLUM

CLOSURE REPORT

Property:

Trunk 2C (09/30/22)
Unit Letter A, S10 T27N R11W
San Juan County, New Mexico

New Mexico EMNRD OCD Incident ID No. NAPP2227628237

December 16, 2022

Ensolum Project No. 05A1226215

Prepared for:

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

Prepared by:

Raneer Deechilly
Project Manager

Kyle Summers
Senior Managing Geologist

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1.0 INTRODUCTION

1.1 Site Description & Background

Operator:	Enterprise Field Services, LLC / Enterprise Products Operating LLC (Enterprise)
Site Name:	Trunk 2C (09/30/22) (Site)
NM EMNRD OCD Incident ID No.	NAPP2227628237
Location:	36.593439° North, 107.985473° West Unit Letter A, Section 10, Township 27 North, Range 11 West San Juan County, New Mexico
Property:	United States Bureau of Land Management (BLM)
Regulatory:	New Mexico (NM) Energy, Minerals and Natural Resources Department (EMNRD) Oil Conservation Division (OCD)

On September 26, 2022, Enterprise identified a release of natural gas from the Trunk 2C pipeline. Enterprise subsequently isolated and locked the pipeline out of service. On September 30, 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). No PODs with recorded depths to water were identified in the same Public Land Survey System (PLSS) section as the Site, and no PODs were identified in the adjacent PLSS sections (**Figure A, Appendix B**). One POD (SP-04019-2) is located approximately 0.8 miles southwest of the Site. However, this POD is associated with a surface permit to divert water from an irrigation canal.

- Six cathodic protection wells (CPWs) were identified in the NM EMNRD OCD imaging database in the adjacent PLSS sections. These six CPWs are depicted on **Figure B (Appendix B)**. Documentation for the cathodic protection well located near the Angel Peak #1 well location indicates a depth to water of approximately 255 feet below grade surface (bgs). This cathodic protection well is located approximately 0.60 miles northeast of the Site and is approximately 70 feet lower in elevation than the Site. Documentation for the cathodic protection well located near the Fullerton Federal 15 #41 well location indicates a depth to water of approximately 120 feet bgs. This cathodic protection well is located approximately 0.90 miles south of the Site and is approximately 180 feet higher in elevation than the Site. Documentation for the cathodic protection well located near the Fullerton Federal 11 #41 well location indicates a depth to water of approximately 120 feet bgs. This cathodic protection well is located approximately 0.96 miles east of the Site and is approximately 160 feet lower in elevation than the Site. Documentation for the cathodic protection well located near the Schlosser WN Federal #6 well location indicates a depth to water of approximately 265 feet bgs. This cathodic protection well is located approximately 1.0 miles north of the Site and is approximately 110 feet lower in elevation than the Site. Documentation for the cathodic protection well located near the Angel Peak #1E well location indicates a depth to water of approximately 120 feet bgs. This cathodic protection well is located approximately 1.1 miles northeast of the Site and is approximately 145 feet lower in elevation than the Site. Documentation for the cathodic protection well located near the Fullerton Federal 14 #32 well location indicates a depth to water of approximately 140 feet bgs. This cathodic protection well is located approximately 1.3 miles southeast of the Site and is approximately 60 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, 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 September 30, 2022, Enterprise initiated activities to repair the pipeline and remediate petroleum hydrocarbon impact resulting from the release. During the remediation and corrective action activities, West States Energy Contractors provided heavy equipment and labor support, while Ensolum provided environmental consulting support.

The final excavation measured approximately 18 feet long and 18 feet wide at the maximum extents. The maximum depth of the excavation measured approximately eight feet bgs. The lithology encountered during the completion of remediation activities consisted primarily of silty sand.

Approximately 312 cubic yards (yd³) of petroleum hydrocarbon-affected soils and 35 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**. After acceptable analytical results were obtained, 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 10 composite soil samples (S-1 through S-10) from the excavation for laboratory analysis. The composite samples were comprised of five aliquots each and represent an estimated 200 square foot (ft²) 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 4, 2022, the first 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 samples S-1 (12') and S-2 (12') were collected from the floor of the excavation. Composite soil samples S-3 (0'-12'), S-4 (0'-12'), S-5 (0'-12'), S-6 (0'-12'), S-7 (0'-12'), S-8 (0'-12'), S-9 (0'-12'), and S-10 (0'-12') were collected from the walls of the excavation.

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

5.0 SOIL LABORATORY ANALYTICAL METHODS

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

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

6.0 SOIL DATA EVALUATION

Ensolum compared the benzene, BTEX, TPH, and chloride laboratory analytical results or laboratory practical quantitation limits (PQLs) / reporting limits (RLs) associated with the composite soil samples (S-1 through S-10) 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 all 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 of the 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

- Ten 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 312 yd³ of petroleum hydrocarbon-affected soils and 35 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.

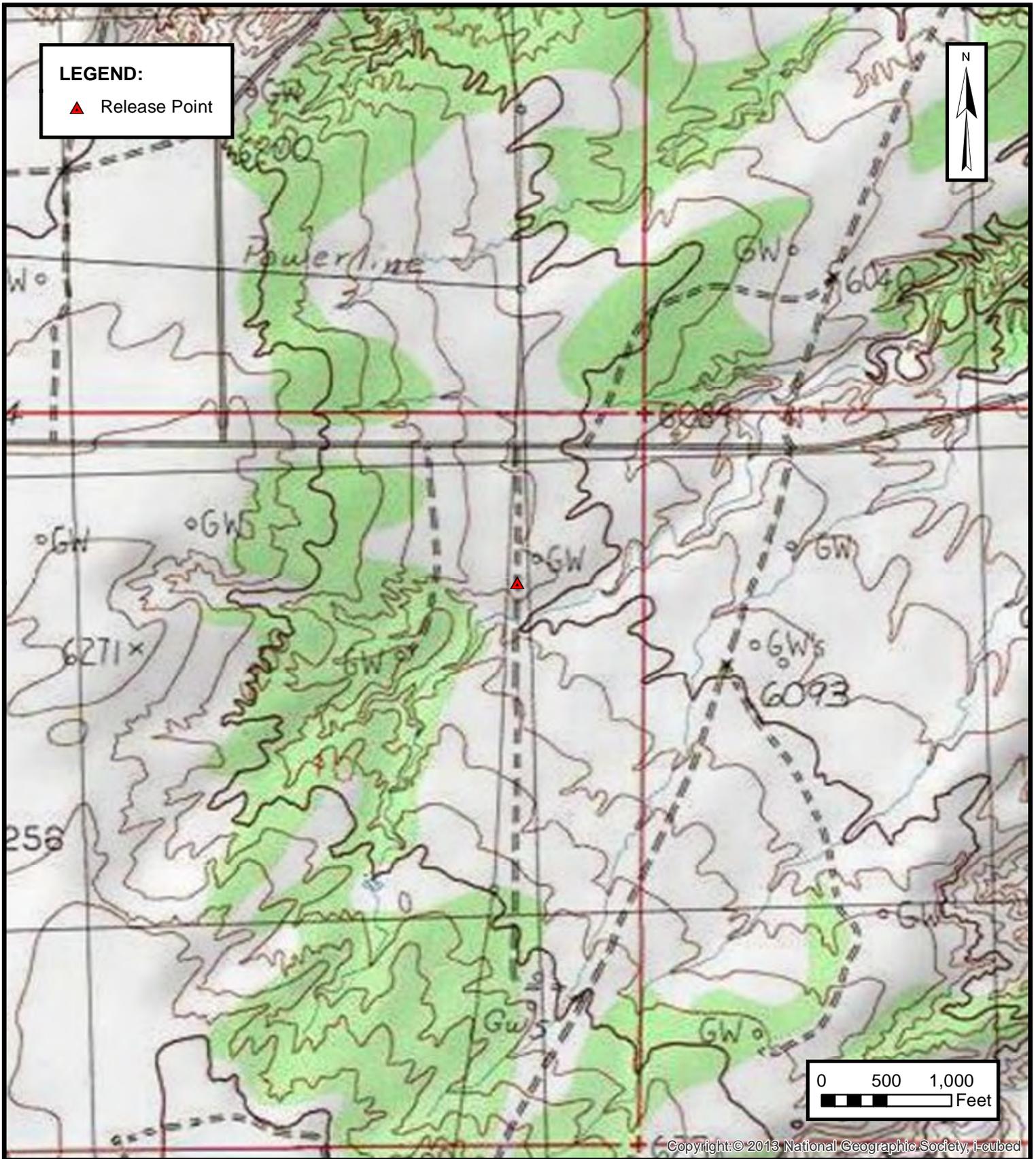
9.3 Reliance

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.



APPENDIX A

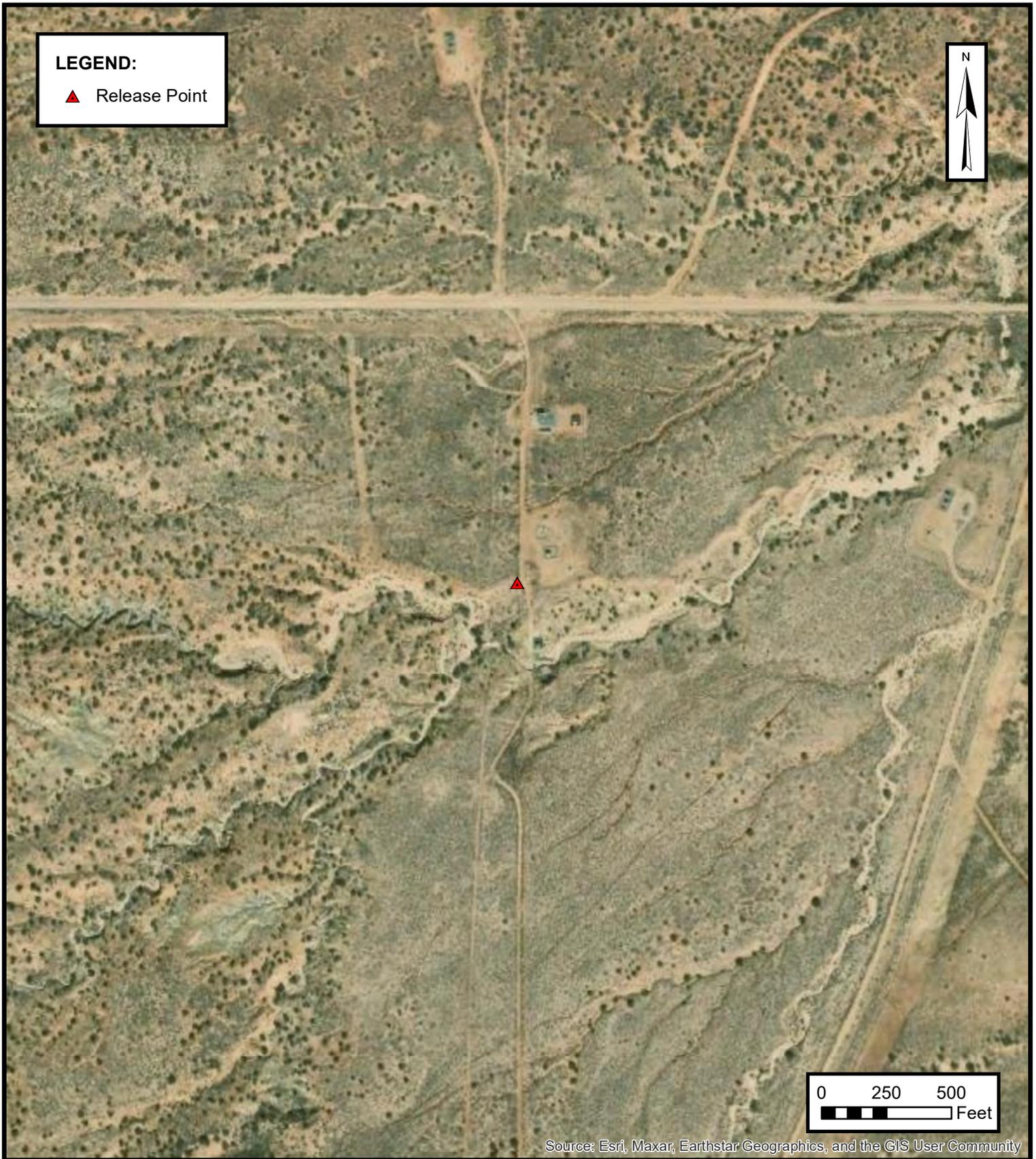
Figures



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Environmental, Engineering and
Hydrogeologic Consultants

TOPOGRAPHIC MAP
 ENTERPRISE FIELD SERVICES, LLC
 TRUNK 2C (09/30/22)
 Unit Letter A, S10 T27N R11W, San Juan County, New Mexico
 36.593439° N, 107.985473° W
 PROJECT NUMBER: 05A1226215

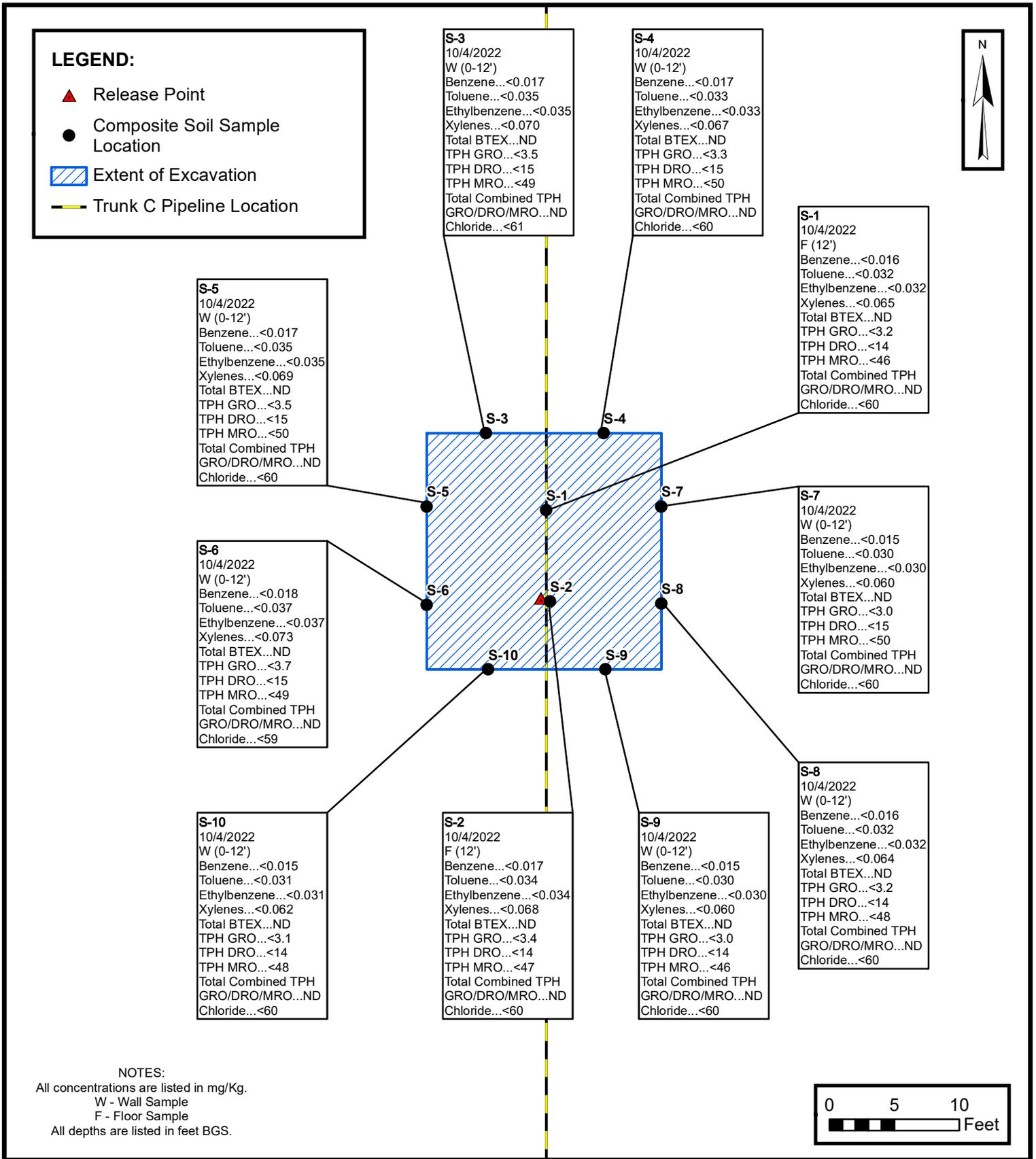
FIGURE
1



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Environmental, Engineering and
Hydrogeologic Consultants

SITE VICINITY MAP
ENTERPRISE FIELD SERVICES, LLC
TRUNK 2C (09/30/22)
Unit Letter A, S10 T27N R11W, San Juan County, New Mexico
36.593439° N, 107.985473° W
PROJECT NUMBER: 05A1226215

FIGURE
2



SITE MAP WITH SOIL ANALYTICAL RESULTS

ENTERPRISE FIELD SERVICES, LLC
 TRUNK 2C (09/30/22)
 Unit Letter A, S10 T27N R11W, San Juan County, New Mexico
 36.593439° N, 107.985473° W

PROJECT NUMBER: 05A1226215

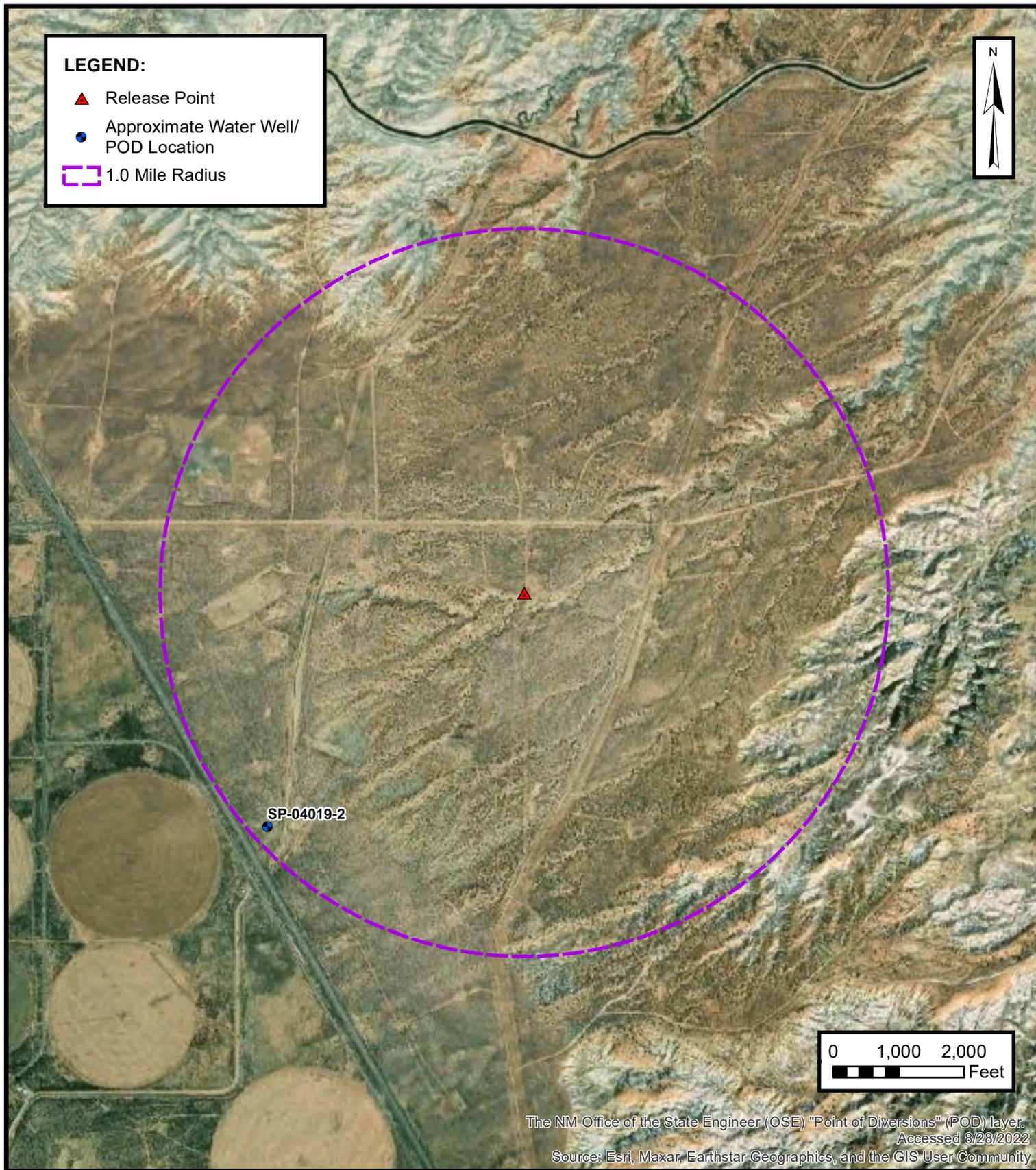
FIGURE
3



APPENDIX B

Siting Figures and Documentation



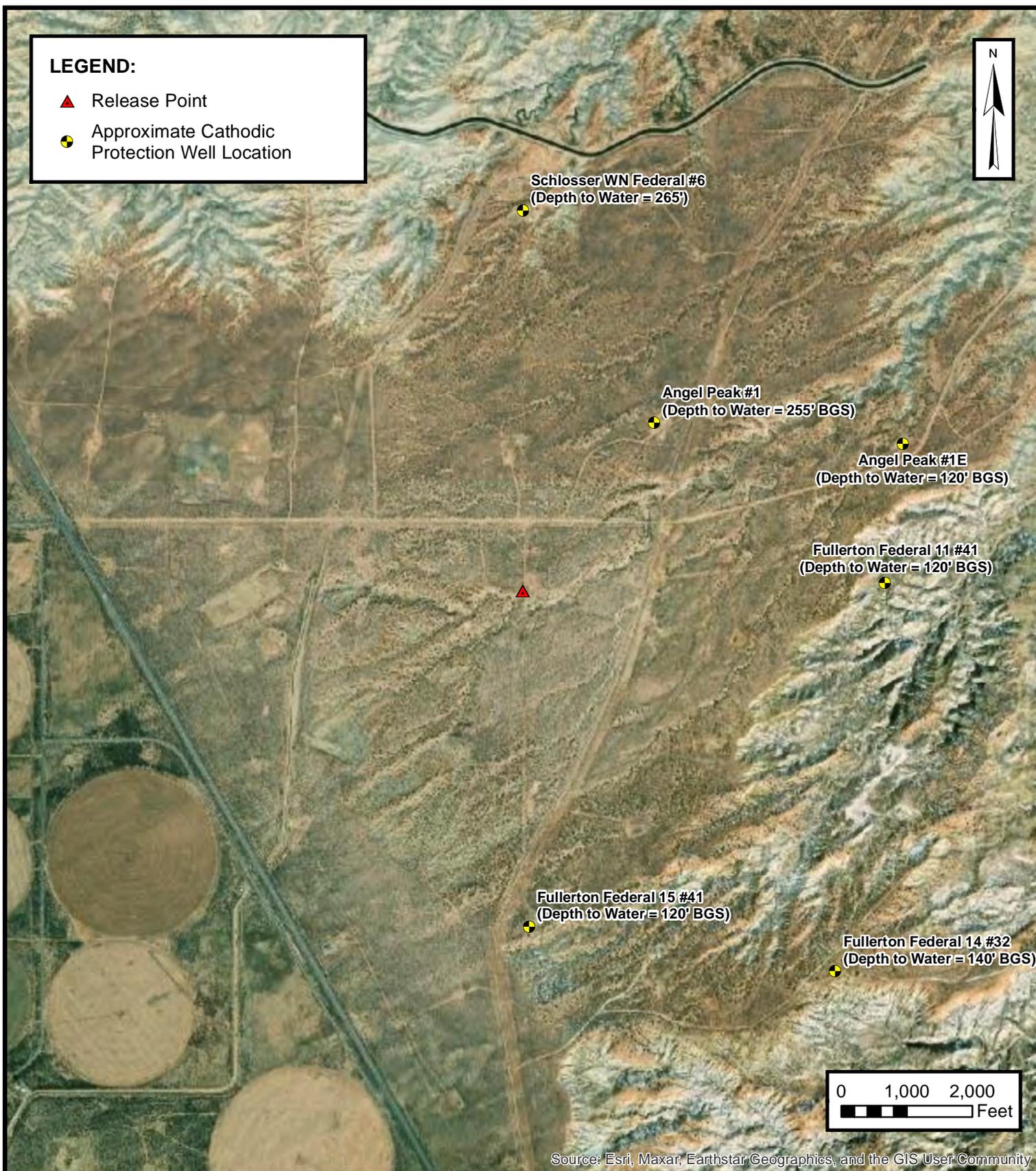


1.0 MILE RADIUS WATER WELL/ POD LOCATION MAP

ENTERPRISE FIELD SERVICES, LLC
 TRUNK 2C (09/30/22)
 Unit Letter A, S10 T27N R11W, San Juan County, New Mexico
 36.593439° N, 107.985473° W

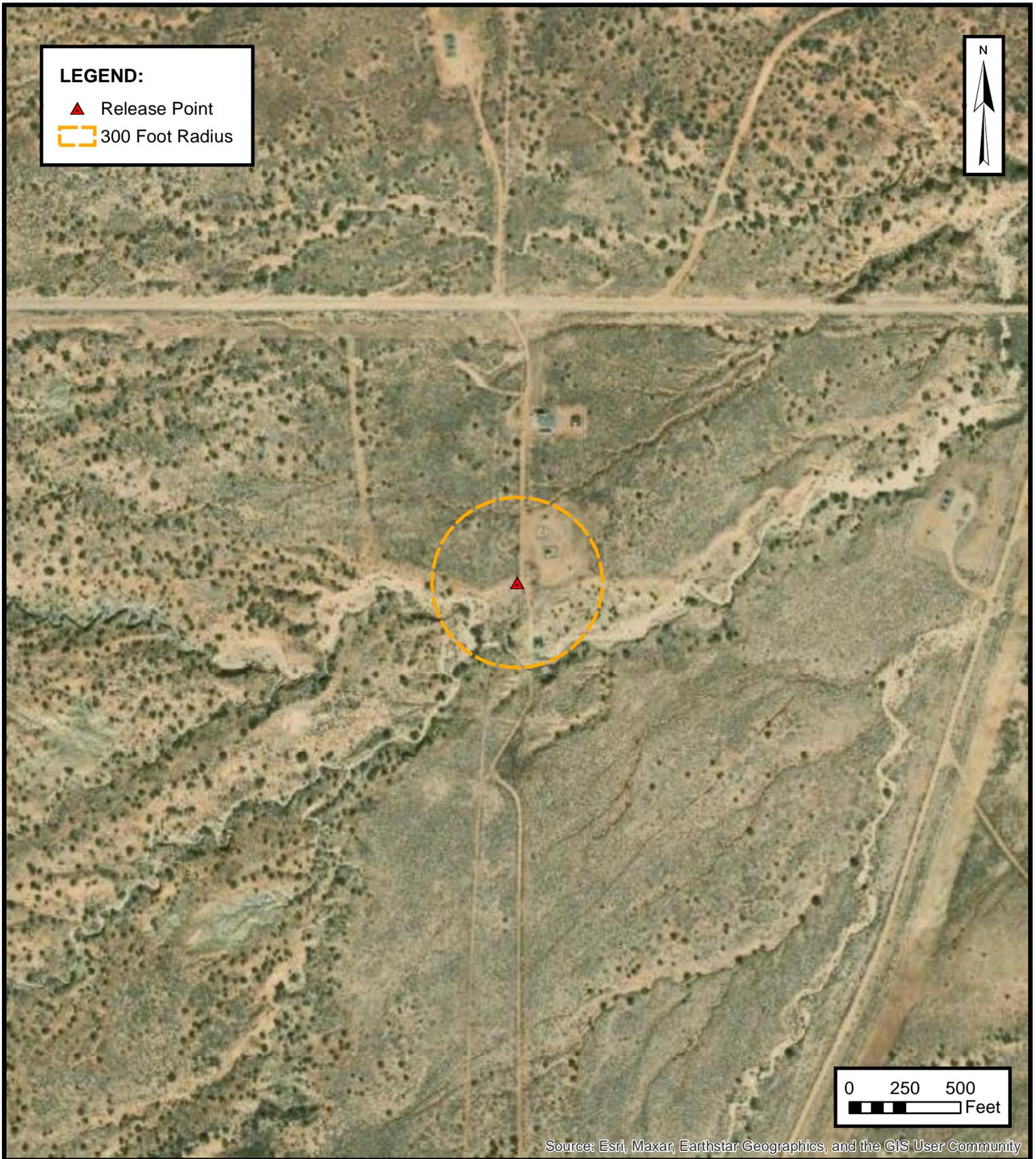
PROJECT NUMBER: 05A1226215

FIGURE
A



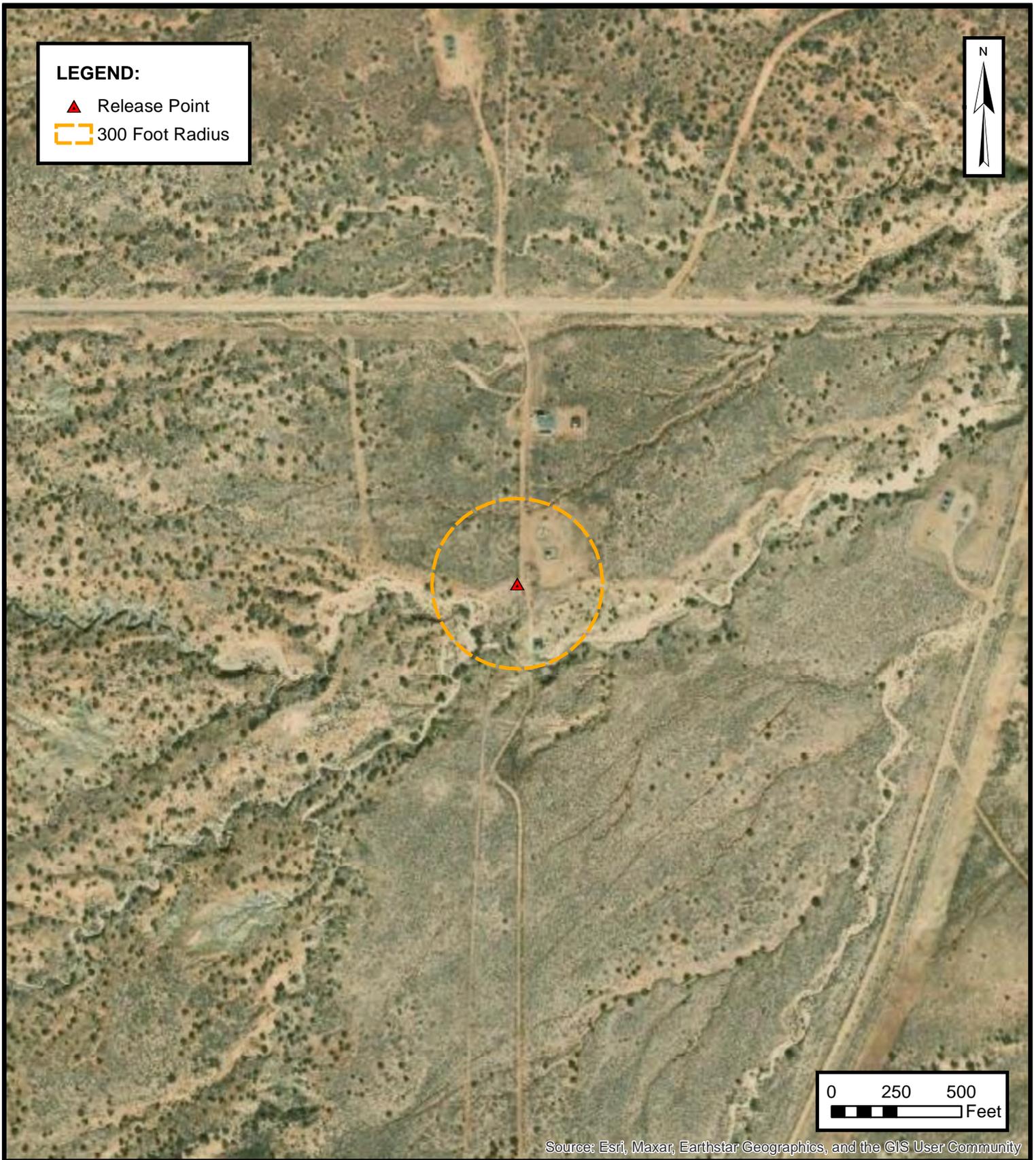
CATHODIC PROTECTION WELL RECORDED DEPTH TO WATER
 ENTERPRISE FIELD SERVICES, LLC
 TRUNK 2C (09/30/22)
 Unit Letter A, S10 T27N R11W, San Juan County, New Mexico
 36.593439° N, 107.985473° W
 PROJECT NUMBER: 05A1226215

FIGURE B



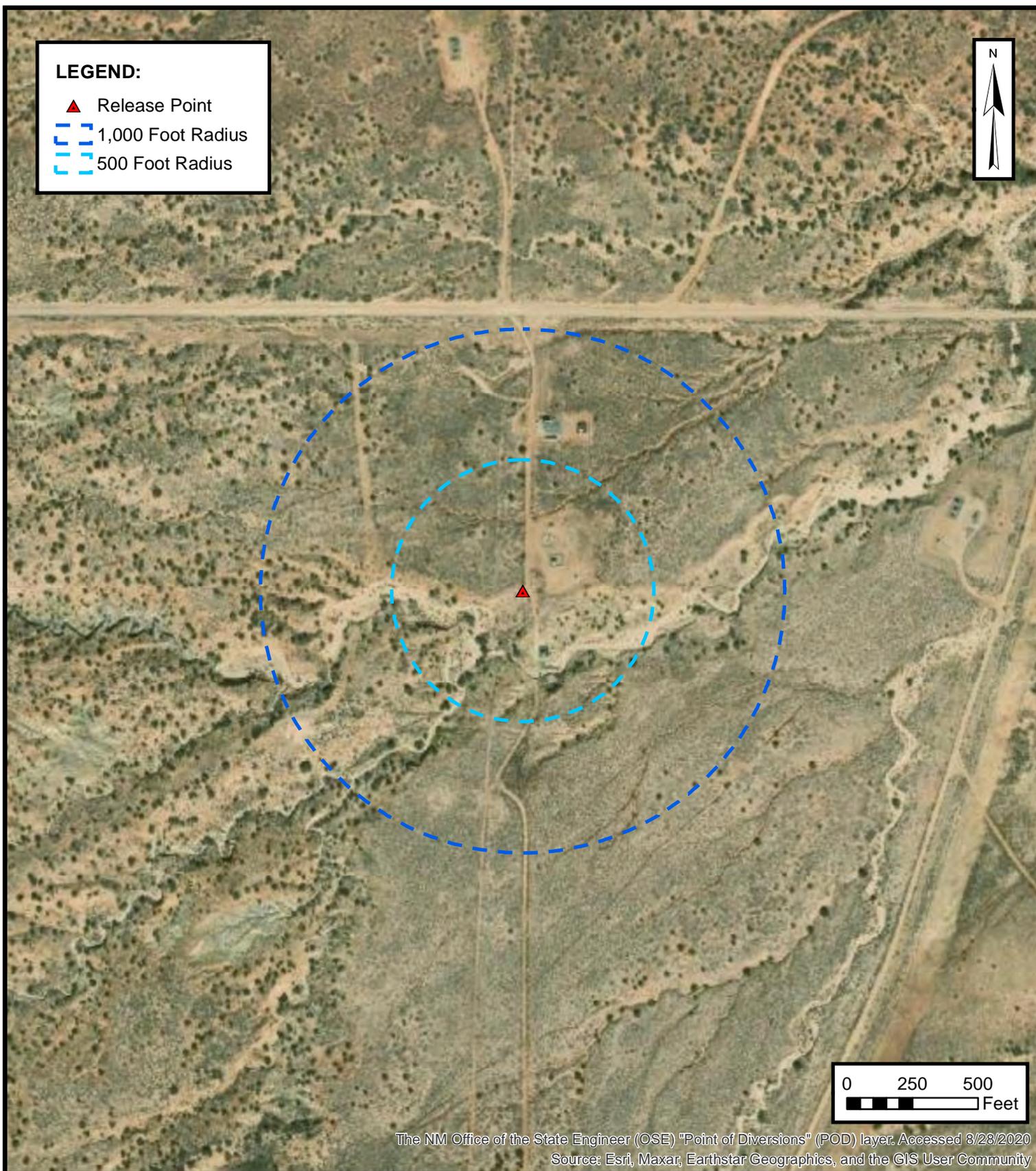
**300 FOOT RADIUS
WATERCOURSE AND DRAINAGE IDENTIFICATION**
ENTERPRISE FIELD SERVICES, LLC
TRUNK 2C (09/30/22)
Unit Letter A, S10 T27N R11W, San Juan County, New Mexico
36.593439° N, 107.985473° W
PROJECT NUMBER: 05A1226215

**FIGURE
C**



**300 FOOT RADIUS
OCCUPIED STRUCTURE IDENTIFICATION**
ENTERPRISE FIELD SERVICES, LLC
TRUNK 2C (09/30/22)
Unit Letter A, S10 T27N R11W, San Juan County, New Mexico
36.593439° N, 107.985473° W
PROJECT NUMBER: 05A1226215

**FIGURE
D**

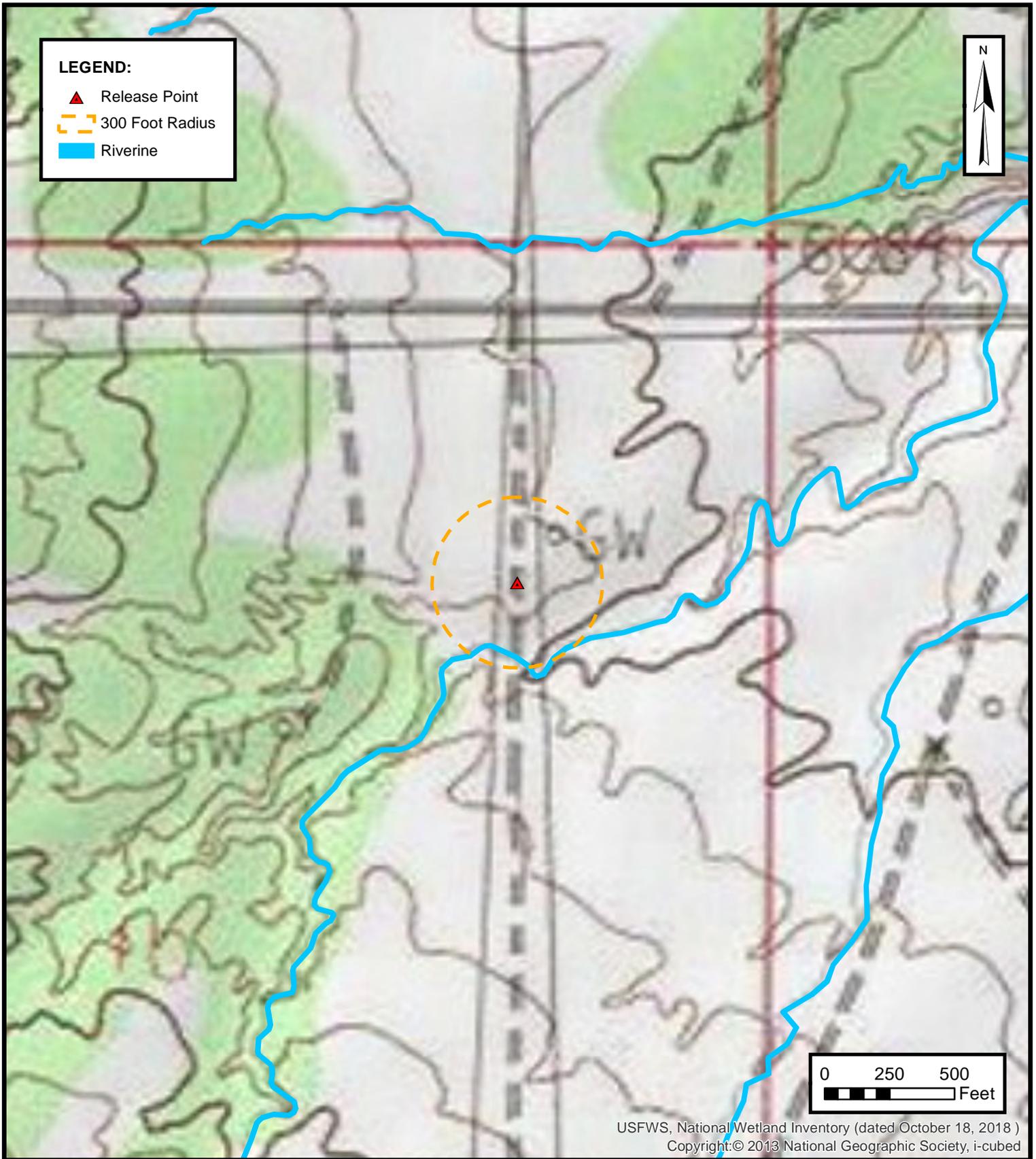


WATER WELL AND NATURAL SPRING LOCATION

ENTERPRISE FIELD SERVICES, LLC
TRUNK 2C (09/30/22)
Unit Letter A, S10 T27N R11W, San Juan County, New Mexico
36.593439° N, 107.985473° W

PROJECT NUMBER: 05A1226215

FIGURE
E



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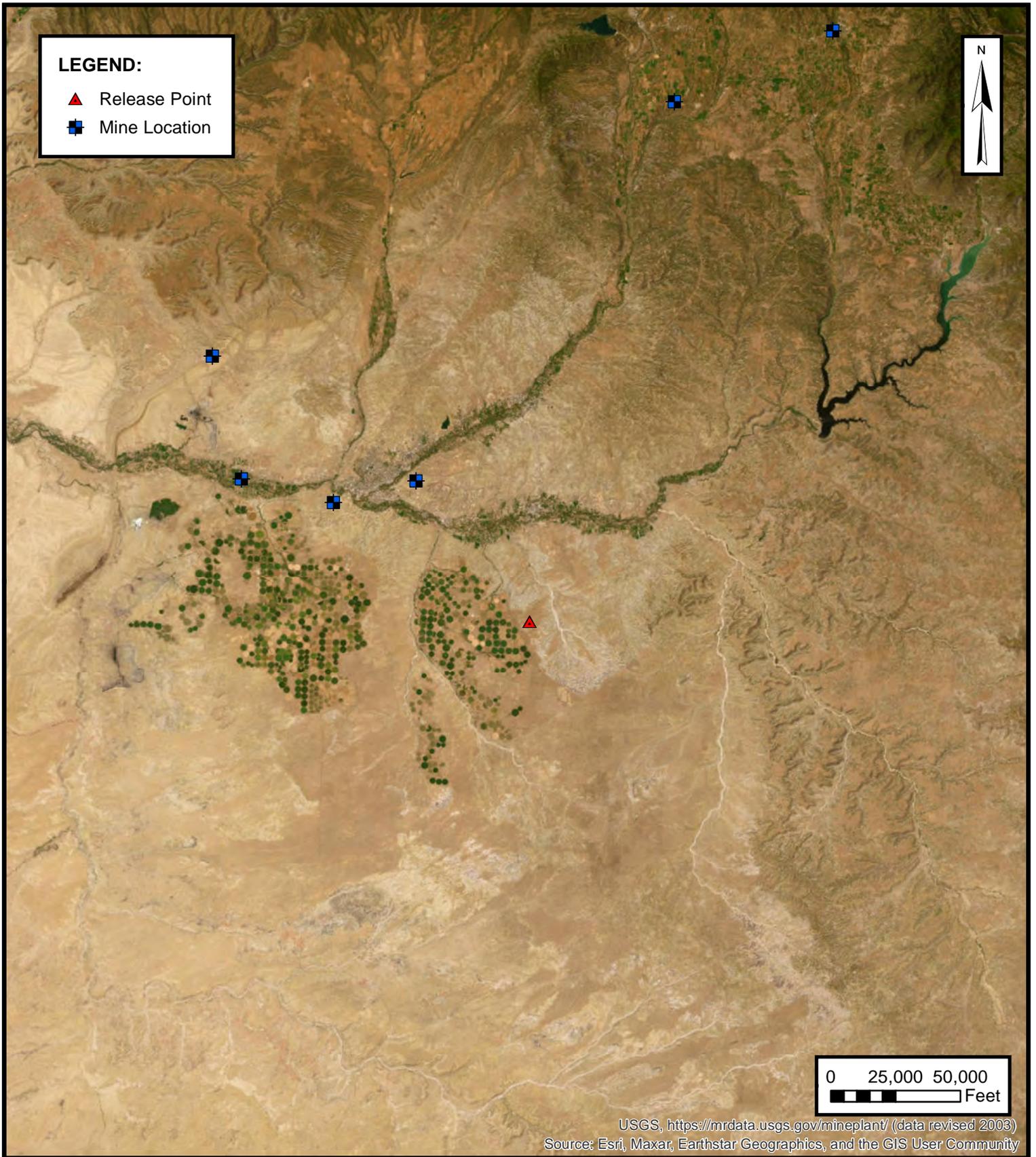
WETLANDS

ENTERPRISE FIELD SERVICES, LLC
TRUNK 2C (09/30/22)
Unit Letter A, S10 T27N R11W, San Juan County, New Mexico
36.593439° N, 107.985473° W

PROJECT NUMBER: 05A1226215

FIGURE

F



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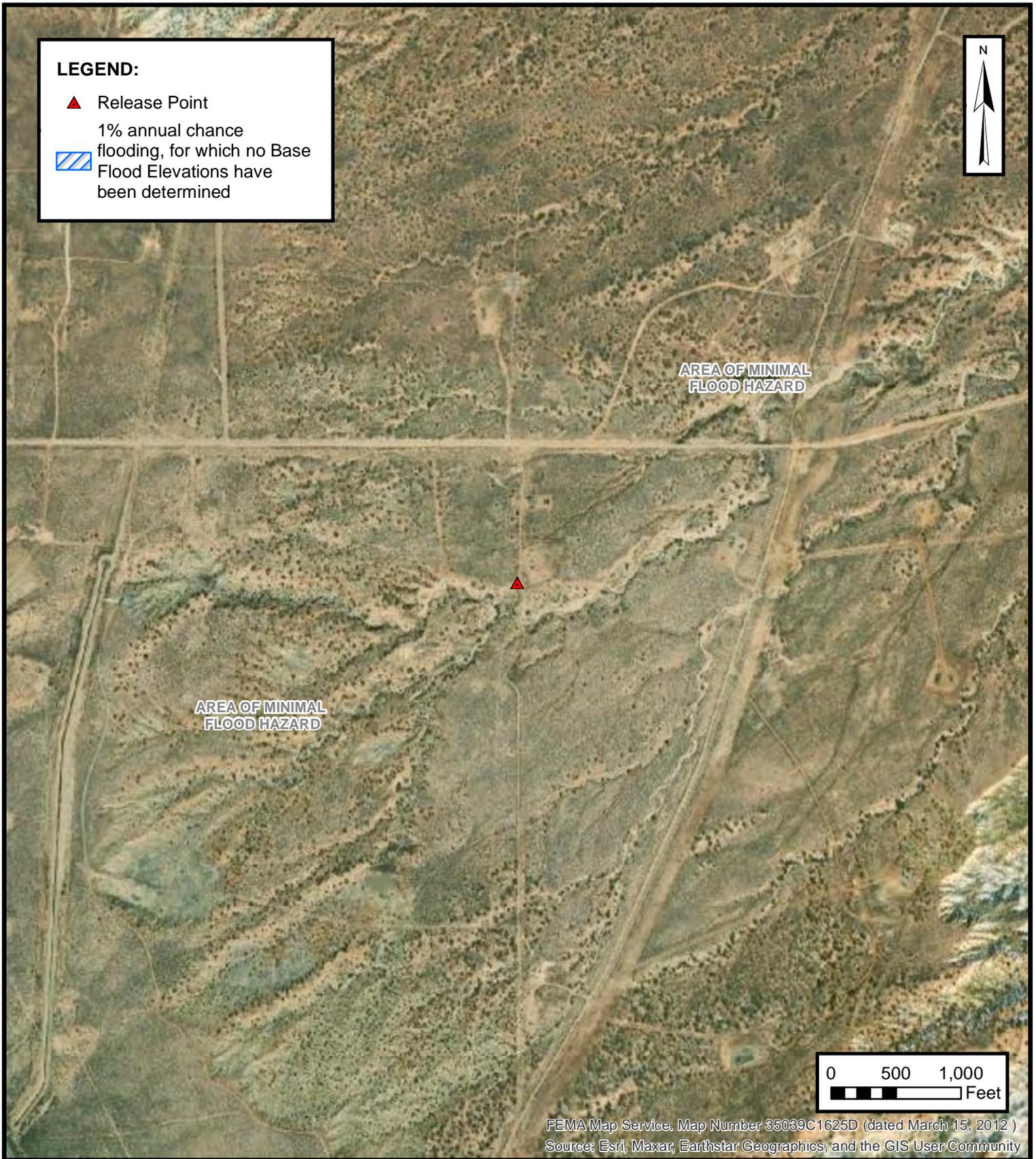
MINES, MILLS AND QUARRIES

ENTERPRISE FIELD SERVICES, LLC
TRUNK 2C (09/30/22)
Unit Letter A, S10 T27N R11W, San Juan County, New Mexico
36.593439° N, 107.985473° W

PROJECT NUMBER: 05A1226215

FIGURE

G



ENSOLUM
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100-YEAR FLOOD PLAIN MAP

ENTERPRISE FIELD SERVICES, LLC
TRUNK 2C (09/30/22)
Unit Letter A, S10 T27N R11W, San Juan County, New Mexico
36.593439° N, 107.985473° W

PROJECT NUMBER: 05A1226215

FIGURE

H



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

No records found.

PLSS Search:

Section(s): 10, 2, 3, 4, 9, 11, 14, 15, 16 **Township:** 27N **Range:** 11W

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.

30-045-28424

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

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

Name of Well/Wells or Pipeline Serviced Fullerton Fed. #11-41

Elevation Completion Date 5-16-91 Total Depth 300' Land Type* F

Casing, Sizes, Types & Depths NA-None

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

R **RECEIVED**

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

NA-None

JUN 7 1991
OIL CON. DIV.
DIST. 3

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

Fresh, Clear, Salty, Sulphur, Etc. First & only (Clear) Water

Streak at 120 Foot Depth

Depths gas encountered: NA-None

Type & amount of coke breeze used: CARBO 40-99, 99% Carbon - 1200 LBS.

Depths anodes placed: 230', 240', 250', 260', 270' + 280' Deep

Depths vent pipes placed: 0 to 300' Deep

Vent pipe perforations: Laser Cut Slots From 140' to 300' Deep

Remarks: Solid 1" dia. pipe from 0' to 140' Deep

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

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

DATA SHEET NO. One(1)

COMPANY BONNEVILLE FUELS CORP. JOB No. 751-00118 DATE: 5-16-91
 WELL: FULLERTON FGD #11-41 PIPELINE: _____
 LOCATION: SEC 11 TWP. 27 RGE. 11 CO. SAN JUAN STATE NM
 ELEV. _____ FT: ROTARY 300' FT: CABLE TOOL 0' FT: CASING 0' FT.
 GROUNDED: DEPTH 300' FT. DIA. 6" IN. GAS 1200 LBS. ANODES LIDA STRING

DEPTH, FT.	DRILLER'S LOG	EXPLORING ANODE TO STRUCTURE			NO COKE	WITH COKE	ANODE NO.	DEPTH, TOP OF ANODES
		E	I	R	I	I		
	<u>FIRST WATER 120'</u>							
<u>150</u>	<u>0-60' SAND</u>				<u>4.2</u>			
<u>155</u>	<u>60-110 SHALE</u>				<u>4.4</u>			
<u>160</u>	<u>110-140 SANDY SHALE</u>				<u>4.2</u>			
<u>165</u>	<u>140-200 SHALE - SOME SAND</u>				<u>4.6</u>			
<u>170</u>	<u>200-300 SANDY SHALE</u>				<u>4.5</u>			
<u>175</u>					<u>3.9</u>			
<u>180</u>					<u>4.5</u>			
<u>185</u>					<u>4.5</u>			
<u>190</u>					<u>4.6</u>			
<u>195</u>					<u>4.3</u>			
<u>200</u>					<u>4.4</u>			
<u>205</u>					<u>4.1</u>			
<u>210</u>					<u>4.1</u>			
<u>215</u>					<u>4.0</u>			
<u>220</u>					<u>4.1</u>			
<u>225</u>					<u>4.1</u>			
<u>230</u>					<u>4.2</u>			<u>230</u>
<u>235</u>					<u>4.3</u>			
<u>240</u>					<u>4.1</u>			<u>240</u>
<u>245</u>					<u>4.2</u>			
<u>250</u>					<u>4.4</u>			<u>250</u>
<u>255</u>					<u>4.5</u>			
<u>260</u>					<u>4.6</u>	<u>4.6</u>	<u>13.9</u>	<u>260</u>
<u>265</u>					<u>4.1</u>			
<u>270</u>					<u>4.2</u>			<u>270</u>
<u>275</u>					<u>4.4</u>			
<u>280</u>					<u>4.4</u>			<u>280</u>
<u>285</u>					<u>4.0</u>			
<u>290</u>					<u>3.9</u>			
<u>295</u>					<u>3.9</u>			
<u>300</u>					<u>3.1</u>			

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

ANODES

GROUNDED RESISTANCE: (1) VOLTS 12.5 - AMPS 13.9 - 90 OHMS

(2) VIBROGROUND 90 OHMS

30-045-06792

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

Operator MERIDIAN OIL Location: Unit SW Sec. 2 Twp 27 Rng 11

Name of Well/Wells or Pipeline Serviced ANGEL PEAK #1

cps 874w

Elevation 6054' Completion Date 5/28/71 Total Depth 455' 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. 255'

Depths gas encountered: 185'

Type & amount of coke breeze used: 66 SACKS

Depths anodes placed: 410', 400', 390', 355', 345', 335', 325', 315', 305', 295'

Depths vent pipes placed: N/A

Vent pipe perforations: N/A

Remarks: gab #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.

El Paso Natural Gas Company
Form 7-238 (Rev. 1-69)

WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

CPS ~~CONTRACT~~

2099 50

Drilling Log (Attach Hereto)

Completion Date 5/28/71

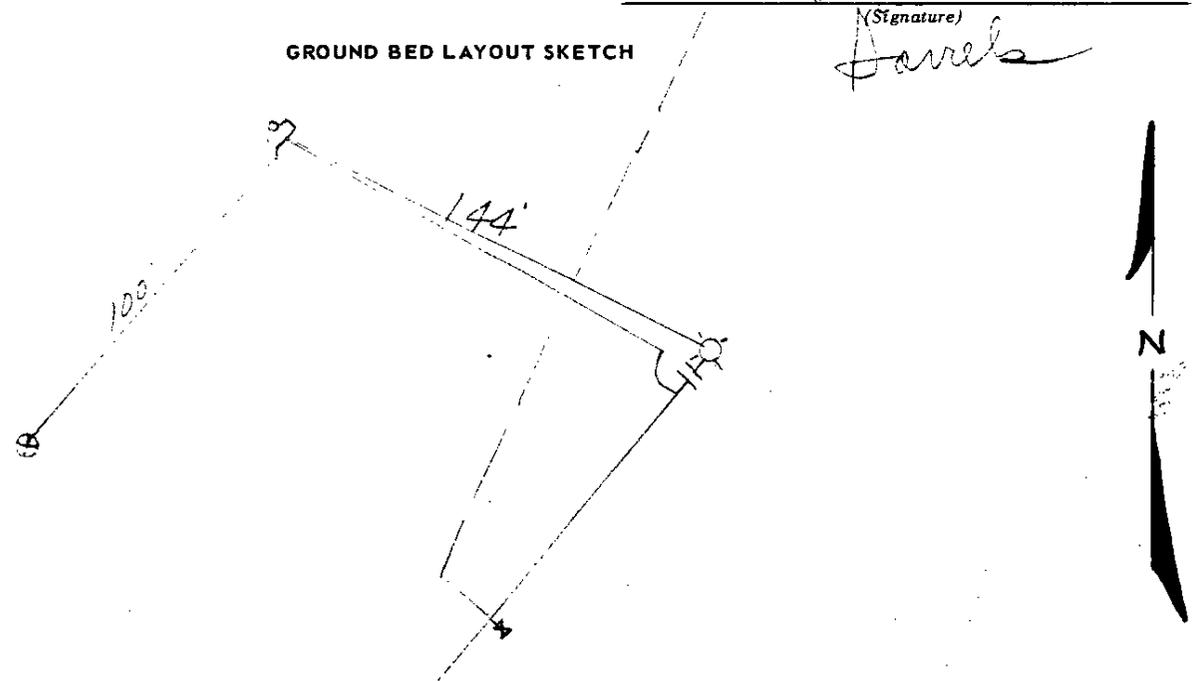
Well Name Angel Peak #1		Day on 2-27-11		CPS No. 874 W	
Type & Size Bit Used 6 3/4				Work Order No. 184-54006.19-50-20	
Anode Hole Depth 455'	Total Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth	# 1 410	# 2 400	# 3 390	# 4 355	# 5 345
Anode Output (Amps)	# 1 4.9	# 2 4.9	# 3 4.3	# 4 3.4	# 5 3.2
Anode Depth	# 6 335	# 7 325	# 8 315	# 9 305	# 10 295
Anode Output (Amps)	# 6 3.8	# 7 4.6	# 8 4.7	# 9 3.7	# 10 3.7
Anode Depth	# 11	# 12	# 13	# 14	# 15
Anode Output (Amps)	# 11	# 12	# 13	# 14	# 15
Total Circuit Resistance	No. 8 C.P. Cable Used		No. 2 C.P. Cable Used		
Volts 12	Amps 16	Ohms .75	400'		

Remarks: Static R_s 600' NW 0.82
 Driller HIT small amount gas and oil @ 185'
 Found water AT 255'
 Pumped 51 sacks coke TO 180'
 Dry slacked 15 sacks coke
 Bottom of hole on 5/28/71 75' Believe top of
 Hole caved off.
 IN STALL Good All 28V 12A Rectifier

All Construction Completed

Paul
(Signature)
David

GROUND BED LAYOUT SKETCH



Original & 1 Copy All Reports

Date: _____

By: _____

436
150
28

Angel Peak #1 - CPS 874 W
- Wtr. 255 TO 280

Start Pump
12:40

DATE	TIME	WTR	WTR
3/21	12:40	255	1.5
3/21	12:50	260	1.7
3/21	13:00	270	1.5
3/21	13:10	280	1.0
3/21	13:20	290	1.0
3/21	13:30	300	2.4
3/21	13:40	310	2.2
3/21	13:50	320	2.0
3/21	14:00	330	1.6
3/21	14:10	340	2.4
3/21	14:20	350	2.5
3/21	14:30	360	2.2
3/21	14:40	370	1.9
3/21	14:50	380	1.6
3/21	15:00	390	1.6
3/21	15:10	400	1.2
3/21	15:20	410	1.2
3/21	15:30	420	1.3
3/21	15:40	430	1.4
3/21	15:50	440	1.3
3/21	16:00	450	1.3
3/21	16:10	460	1.6
3/21	16:20	470	1.4
3/21	16:30	480	1.3
3/21	16:40	490	1.3
3/21	16:50	500	1.3
3/21	17:00	510	1.3
3/21	17:10	520	1.3
3/21	17:20	530	1.3
3/21	17:30	540	1.3
3/21	17:40	550	1.3
3/21	17:50	560	1.3
3/21	18:00	570	1.3
3/21	18:10	580	1.3
3/21	18:20	590	1.3
3/21	18:30	600	1.3
3/21	18:40	610	1.3
3/21	18:50	620	1.3
3/21	19:00	630	1.3
3/21	19:10	640	1.3
3/21	19:20	650	1.3
3/21	19:30	660	1.3
3/21	19:40	670	1.3
3/21	19:50	680	1.3
3/21	20:00	690	1.3
3/21	20:10	700	1.3
3/21	20:20	710	1.3
3/21	20:30	720	1.3
3/21	20:40	730	1.3
3/21	20:50	740	1.3
3/21	21:00	750	1.3
3/21	21:10	760	1.3
3/21	21:20	770	1.3
3/21	21:30	780	1.3
3/21	21:40	790	1.3
3/21	21:50	800	1.3
3/21	22:00	810	1.3
3/21	22:10	820	1.3
3/21	22:20	830	1.3
3/21	22:30	840	1.3
3/21	22:40	850	1.3
3/21	22:50	860	1.3
3/21	23:00	870	1.3
3/21	23:10	880	1.3
3/21	23:20	890	1.3
3/21	23:30	900	1.3
3/21	23:40	910	1.3
3/21	23:50	920	1.3
3/21	00:00	930	1.3

Pump Hose
90S' when
Start Pump
Bottom
Anode
110'

Pumps 1 sks

250	1.5	430	1.6
	1.9		1.4
60	1.7	40	1.3
	1.6		1.3 - Bottom - 5-25-71
70	1.5	50	
	1.0	455	
80	1.0		45
	1.0		
90	1.2		
	2.2		
300	2.4		
	2.2		
10	2.0	415	1
	1.6		2
20	2.4	435	3
	2.5		4
30	2.2		5
	1.9		6
40	1.6		7
	1.6		8
50	1.6		9
	1.6		10
60	1.2		
	1.2 - P		
70	1.2		
	1.3		
80	1.4		
	1.9		
90	2.6		
	2.5		
400	2.6		
	2.7		
10	2.5		
	2.3		
20	1.9		
	1.7		

428 - Bottom - 5-26-71

1104

1 E

30-045-26541

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 J Sec. 2 Twp 27 Rng 11

Name of Well/Wells or Pipeline Serviced ANGEL PEAK #1E
cps 1810w

Elevation 5979' Completion Date 9/30/87 Total Depth 320' 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. 120' NO SAMPLE

Depths gas encountered: N/A

Type & amount of coke breeze used: N/A

Depths anodes placed: 265', 240', 210', 200', 190', 180', 170', 160', 150', 140'

Depths vent pipes placed: N/A

Vent pipe perforations: 220'

Remarks: gb #1

RECEIVED
MAY 31 1988
OIL CON. DIV. J
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.

MERIDIAN OIL INC.
WELL CASING

CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

FM-020238 (Rev 10-82)

Drilling Log (Attach Hereto)

Completion Date 9-30-82

CPS #	Well Name, Line or Plant:	Work Order #	State:	Ins Union Check
1810w	Angel Peak 1E		75 E	<input checked="" type="checkbox"/> Good <input type="checkbox"/> Bad
Location	Anode Size:	Anode Type	Size Bit:	
J2-27-11	2" x 60"	Duriron	6 3/4	
Depth Drilled	Depth Logged	Drilling Rig Time	Total Lbs Coke Used	Lost Circulation Mat'l Used
320	310	6 hrs		Fluo 5979
Anode Depth	Anode Output (Amps)		Anode Depth	
# 1 265	# 2 240	# 3 210	# 4 200	# 5 190
# 6 180	# 7 170	# 8 160	# 9 150	# 10 140
# 11	# 12	# 13	# 14	# 15
# 16	# 17	# 18	# 19	# 20
Total Circuit Resistance			No. 8 C.P. Cable Used	
Volts 11.7	Amps 21.5	Ohms 54		

Remarks: Driller said water was at 120'. Vent pipe is perforated up to 100'. No water sample was taken.

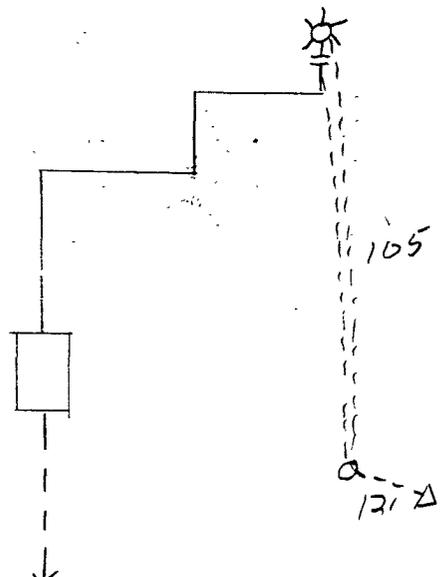
Rectifier Size: 40 V 16 A 4300
 Addn'l Depth: 260 ✓
 Depth Credit: 190 ✓ 3540
 Extra Cable: 30 V 7.50 ✓
 Ditch & 1 Cable: 12 4.68 ✓
 Ditch & 2 Cable: 105 54.60 ✓
 25' Meter Pole:
 20' Meter Pole: 295.00
 10' Stub Pole:
 Junction Box: 40.00

3941.78
Tx 197.09
4138.87

579

All Construction Completed

Randy Smith
(Signature)



BURG CORROSION SYSTEMS, JC.

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

Date 9-30-87

DEEP WELL GROUND BED LOG

Company Meridian
Well No. 1 E Location Angel Peak Volts Applied 11.76 Amperes 21.5

Depth (ft)	Reading							
5		230	1.5	455	2265	38	680	4.9
10		235	2.6	460	2240	39	685	5.5
15		240	3.3 ✓	465	2210	4.5	690	5.8
20		245	2.8	470	2200	4.1	695	5.6
25		250	1.5	475	2190	4.4	700	6.4
30		255	2.1	480	2180	4.4	705	6.2
35		260	3.2	485	2170	4.7	710	6.6
40		265	3.2 ✓	490	2160	4.6	715	6.4
45		270	2.5	495	2150	4.7	720	6.4
50		275	2.2	500	2140	4.6	725	6.6
55		280	1.8	505			730	
60		285	1.5	510			735	
65		290	2.5	515			740	
70		295	1.9	520			745	
75		300	1.6	525			750	
80		305	2.1	530			755	
85		310	TP 310	535			760	
90		315		540			765	
95		320		545			770	
100	2.3	325		550			775	
105	2.2	330		555			780	
110	2.7	335		560			785	
115	3.3	340		565			790	
120	3.3	345		570			795	
125	3.5	350		575			800	
130	3.5	355		580			805	
135	3.5	360		585			810	
140	3.5 ✓	365		590			815	
145	3.6	370		595			820	
150	3.5 ✓	375		600			825	
155	3.4	380		605			830	
160	3.5 ✓	385		610			835	
165	4.0	390		615			840	
170	3.6 ✓	395		620			845	
175	3.6	400		625			850	
180	3.3 ✓	405		630			855	
185	3.4	410		635			860	
190	3.5 ✓	415		640			865	
195	3.2	420		645			870	
200	3.3 ✓	425		650			875	
205	3.7	430		655			880	
210	3.4 ✓	435		660			885	
215	2.9	440		665			890	
220	2.5	445		670			895	
		450		675			900	

OCD CATHODIC PROTECTION DEEPWELL GROUND BED REPORT DATA SHEET: NORTHWESTERN NEW MEXICO

OPERATOR: ConocoPhillips CO.
FARMINGTON, NM 87401
PHONE: 599-3400

SUBMIT 2 COPIES TO O.C.D. AZTEC OFFICE

LOCATION INFORMATION

API Number **3004506900**

WELL NAME OR PIPELINE SERVED: **Schlosser NW FED #6** LEGAL LOCATION: **Sec 3 T27 R 11** INSTALLATION DATE: **12/20/10**

PPCO RECTIFIER NO.: **FM537A** ADDITIONAL WELLS: **NONE**

TYPE OF LEASE: **STATE** LEASE NUMBER: **SF-078673**

GROUND BED INFORMATION

TOTAL DEPTH: **300'** CASING DIAMETER: **8"** TYPE OF CASING: **SCH 40** CASING DEPTH: **60'** CASING CEMENTED:

TOP ANODE DEPTH: **172'** BOTTOM ANODE DEPTH: **280'**

ANODE DEPTHS: **280, 268, 256, 244, 232, 220, 208, 196, 184, 172**

AMOUNT OF COKE: **50 BAGS** **50# BAGS**

WATER INFORMATION

WATER DEPTH (1): **265'** WATER DEPTH (2): **N/A**

GAS DEPTH: **N/A** CEMENT PLUGS: **N/A**

OTHER INFORMATION

TOP OF VENT PERFORATIONS: **180'** VENT PIPE DEPTH: **300'**

REMARKS:

IF ANY OF THE ABOVE DATA IS UNAVAILABLE, PLEASE INDICATE SO. COPIES OF ALL LOGS, INCLUDING DRILLERS LOGS, WATER ANALYSIS, AND WELL BORE SCHEMATICS SHOULD BE SUBMITTED WHEN AVAILABLE. UNPLUGGED UNABANDONED 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.

Wednesday, Nove



COMPANY: Conoco Phillips
 COMPANY REP.: Randy Smith
 LOCATION: Schlosser wn Fed. #6
 JOB NO.: 140687
 FOREMAN: Ron Luna
 DRILLER: Darrel Ferrier

DATE: 12/20/2010
 DIA. HOLE: 7 7/8
 DEPTH: 300'
 COKE TYPE: SW
 # OF COKE: 50 BAGS
 # OF BENTONITE: N/A

CASING: sch 40
 DIAMETER: 8"
 CASING DEPTH: 60'
 # OF ANODES: 10
 ANODE TYPE: 2284Z
 ANODE LEAD: hmwpe #8

RECTIFIER MFG: n/a
 MODEL: n/a
 SERIAL #: n/a
 V-DC: n/a A-DC: n/a

WELL LOG

DEPTH FT.	DRILLERS LOG - TYPE	SOIL	VOLTS	AMPS	COMMENTS / ANODE #	DEPTH FT.	DRILLERS LOG - SOIL TYPE	VOLTS	AMPS	COMMENTS / ANODE #	ANODE PLACEMENT			
											ANODE NO.	ANODE DEPTH	AMPS W/O COKE	AMPS W/ COKE
0	CASING					250	WHITE/GREY SANDSTONE	2.00			1	280	2.40	5.30
5	CASING					255	WHITE/GREY SANDSTONE				2	268	1.50	7.80
10	CASING					260	WHITE/GREY SANDSTONE	1.90			3	256	1.70	5.00
15	CASING					265	WET & GREY SANDSTONE				4	244	1.20	7.10
20	CASING					270	WET & GREY SANDSTONE	2.90			5	232	1.60	6.40
25	CASING					275	WET & GREY SANDSTONE				6	220	1.20	6.40
30	CASING					280	WET & GREY SANDSTONE	2.40			7	208	3.70	6.60
35	CASING					285	WET & GREY SANDSTONE				8	196	3.00	9.60
40	CASING					290	WET & GREY SANDSTONE	2.40			9	184	3.00	10.90
45	CASING					295	WET & GREY SANDSTONE				10	172	1.60	7.30
50	CASING					300	WET & GREY SANDSTONE	2.40			11			
55	CASING					305					12			
60	CASING					310					13			
65	GREY SANDSTONE					315					14			
70	GREY SANDSTONE					320					15			
75	GREY SANDSTONE					325					16			
80	GREY SANDSTONE			0.80		330					17			
85	GREY SANDSTONE			0.90		335					18			
90	GREY SANDSTONE					340					19			
95	GREY SANDSTONE					345					20			
100	GREY SANDSTONE			1.70		350					21			
105	GREY SANDSTONE					355					22			
110	GREY SANDSTONE			1.80		360					23			
115	GREY SANDSTONE					365					24			
120	GREY SANDSTONE			3.30		370					25			
125	GREY SANDSTONE					375					GROUNDED RESISTANCE			
130	GREY SANDSTONE			2.80		380					TOTAL VOLTS: 14.50			
135	GREY SANDSTONE					385					TOTAL AMPS: 24.70			
140	GREY SANDSTONE			2.50		390					ADDITIONAL COMMENTS: 0.59 OHMS			
145	WHITE/GREY SANDSTONE					395								
150	WHITE/GREY SANDSTONE			2.00		400								
155	WHITE/GREY SANDSTONE					405								
160	WHITE/GREY SANDSTONE			1.90		410								
165	WHITE/GREY SANDSTONE					415								
170	WHITE/GREY SANDSTONE			1.50		420								
175	WHITE/GREY SANDSTONE					425								
180	WHITE/GREY SANDSTONE			2.80		430								
185	WHITE/GREY SANDSTONE					435								
190	WHITE/GREY SANDSTONE			2.90		440								
195	WHITE/GREY SANDSTONE					445								
200	WHITE/GREY SANDSTONE			2.20		450								
205	WHITE/GREY SANDSTONE					455								
210	WHITE/GREY SANDSTONE			1.90		460								
215	WHITE/GREY SANDSTONE					465								
220	WHITE/GREY SANDSTONE			1.90		470								
225	WHITE/GREY SANDSTONE					475								
230	WHITE/GREY SANDSTONE			1.80		480								
235	WHITE/GREY SANDSTONE					485								
240	WHITE/GREY SANDSTONE			2.50		490								
245	WHITE/GREY SANDSTONE					495								

30-045-28425

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

Operator Bonneville Fuels Corp. Location: Unit _____ Sec. 15 Twp 27 Rng 11

Name of Well/Wells or Pipeline Serviced Fullerton Fed #15-41

Elevation _____ Completion Date 5-16-91 Total Depth 300' Land Type* F

Casing, Sizes, Types & Depths NA-None

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

RECEIVED
JUN 7 1991

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

OIL CON. DIV.
DIST. 3

Depths & thickness of water zones with description of water when possible:
Fresh, Clear, Salty, Sulphur, Etc. First & only streak of clear water at 120' Depth

Depths gas encountered: NA-None

Type & amount of coke breeze used: CARBO-40 - 99.9% Carbon - 1,300 LBS.

Depths anodes placed: 220', 230', 240', 250', 260' & 270' Deep.

Depths vent pipes placed: 0 to 300' Deep

Vent pipe perforations: Laser Cut Slots from 140' to 300' Deep

Remarks: Solid 1" dia. PVC (vent) pipe from 0' to 140' Deep.

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

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

DATA SHEET NO. One (1)

COMPANY BONNEVILLE FUELS CORP JOB NO. 751-00118 DATE: 5-16-91
 WELL: FULLERTON FED #15-41 PIPELINE: _____
 LOCATION: SEC. 15 TWP. 27 RGE. 11 CO. SARISVAN STATE NM
 ELEV. _____ FT: ROTARY 300 FT: CABLE TOOL -0- FT: CASING -0- FT.
 GROUNDBED: DEPTH 300' FT. DIA. 6" N. GAS 1300 LBS. ANODES LIDA SPRING

DEPTH, FT.	DRILLER'S LOG	EXPLORING ANODE TO STRUCTURE			NO COKE	WITH COKE	ANODE NO.	DEPTH, TOP OF ANODES
		E	I	R	I	I		
	<u>FIRST WATER 120</u>							
150	<u>0-60 SANDY</u>			<u>3.8</u>				
155	<u>60-80 SHALE</u>			<u>4.1</u>				
160	<u>80-120 SANDY</u>			<u>4.0</u>				
165	<u>120-190 SHALE + SAND</u>			<u>4.2</u>				
170	<u>170-300 SANDY SHALE</u>			<u>3.9</u>				
175				<u>4.4</u>				
180				<u>4.2</u>				
185				<u>4.5</u>				
190				<u>4.6</u>				
195				<u>4.7</u>				
200				<u>4.8</u>				
205				<u>4.5</u>				
210				<u>5.0</u>				
215				<u>4.9</u>				
220				<u>5.3</u>			<u>220</u>	
225				<u>5.4</u>				
230				<u>5.8</u>				
235				<u>5.6</u>				
240				<u>5.8</u>				
245				<u>5.8</u>				
250				<u>5.7</u>				
255				<u>5.7</u>				
260				<u>5.8</u>				
265				<u>5.7</u>	<u>5.7</u>	<u>21.6</u>		
270				<u>5.6</u>			<u>270</u>	
275				<u>5.6</u>				
280				<u>5.3</u>				
285				<u>5.3</u>				
290				<u>5.0</u>				
295				<u>4.7</u>				
300				<u>4.8</u>				

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 OIL CON. DIV.
 DIST. 3

5.7 ANODES

220
 ↑
 ↓
 270

GROUNDED RESISTANCE: (1) VOLTS 12.35 - AMPS 21.5 - 0.57 OHMS

(2) VIBROGROUND _____ OHMS

GENERAL CATHODIC PROTECTION SERVICES CO.

30-065-28395

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

Operator Bonnerille Fuels Corp. Location: Unit ___ Sec. 14 Twp 27 Rng 11

Name of Well/Wells or Pipeline Serviced Fullerton Fed. #14-32

Elevation ___ Completion Date 5-17-91 Total Depth 300' Land Type* F

Casing, Sizes, Types & Depths NA-None

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

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

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OIL CON. DIV.

DIST. 0

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

Fresh, Clear, Salty, Sulphur, Etc. First & only clear water streak at 140' Deep

Depths gas encountered: NA-None

Type & amount of coke breeze used: Loresco SW 99, 970 Carbon = 1,100 LBS.

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

Depths vent pipes placed: 0 to 300' Deep

Vent pipe perforations: Laser Cut Slots From 160' to 300' Deep

Remarks: Solid 1" dia. PVC vent pipe from 0' to 160' Deep

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

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

DATA SHEET NO. One(1)

COMPANY BONNEVILLE FUELS CORP. JOB NO. 751-00118 DATE: 5-17-91
 WELL: FULLERTON FED #74-32 PIPELINE: _____
 LOCATION: SEC 14 TWP. 27 RGE. 11 CO. SAN JUAN STATE NM
 ELEV. _____ FT: ROTARY 300' FT: CABLE TOOL 0- FT: CASING 0- FT.
 GROUND BED: DEPTH 300' FT. DIA. 6" IN. GAS 1,100 LBS. ANODES LIP A STRING

DEPTH, FT.	DRILLER'S LOG	EXPLORING ANODE TO STRUCTURE			NO COKE	WITH COKE	ANODE NO.	DEPTH, TOP OF ANODES
		E	I	R	I	I		
	FIRST WATER 140'							
150	0-10 SAND		5.0					
155	10-25 SHALE		4.8					
160	25-60 SAND		4.6					
165	60-140 SANDY SHALE		4.2					
170	140-190 SAND		4.3					
175	190-300 SANDY SHALE		4.1					
180			4.4					
185			4.5					
190			4.1					
195			4.3					
200			3.9					
205			4.1					
210			3.5					
215			4.1					
220			3.8					
225			4.4					
230			4.1					
235			4.2					235
240			4.0					
245			4.7					245
250			4.4					
255			4.8					255
260		ANODES	4.5		5.4	23.4		265
265			5.2					
270			4.9					
275			5.4					275
280			4.8					
285			5.4					285
290			4.9					
295			5.3					
300			5.3					

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JUN 7 1991

OIL CON. DIV
DIST. 3

GROUND BED RESISTANCE: (1) VOLTS 12.35 - AMPS 23.4 - 453 OHMS

(2) VIBROGROUND 53 OHMS



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: ME Eddleman
AFE: N60998

2. **Originating Site:**
Trunk 2C

3. **Location of Material (Street Address, City, State or ULSTR):**
UL A Section 10 T27N R11W; 36.593439, -107.985473
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) 312/35 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* 9-29-2022, 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: West States Energy Contractors and Subcontractors**

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: 11/28/22
SIGNATURE: *Greg Crabtree* TELEPHONE NO.: 505-632-0615
Surface Waste Management Facility Authorized Agent



APPENDIX D

Photographic Documentation



SITE PHOTOGRAPHS

Closure Report
Enterprise Field Services, LLC
Trunk 2C (09/30/22)
Ensolum Project No. 05A1226215



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

SITE PHOTOGRAPHS

Closure Report
Enterprise Field Services, LLC
Trunk 2C (09/30/22)
Ensolum Project No. 05A1226215



Photograph 4

Photograph Description: View of the site after initial restoration.





APPENDIX E

Regulatory Correspondence

From: [Kyle Summers](#)
To: [Chad D"Aponti](#)
Cc: [Ranee Deechilly](#)
Subject: FW: [EXTERNAL] Trunk 2C - UL A Section 10 T27N R11W; 36.593439, -107.985473; Incident # nAPP2227628237
Date: Monday, October 3, 2022 12:12:06 PM
Attachments: [image003.png](#)
[image004.png](#)
[image005.png](#)



Kyle Summers

Principal
903-821-5603
Ensolum, LLC
in f 

From: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Sent: Monday, October 3, 2022 10:31 AM
To: Long, Thomas <tjlong@eprod.com>; Ryan Joyner <rjoyner@blm.gov>
Cc: Stone, Brian <bmstone@eprod.com>; Kyle Summers <ksummers@ensolum.com>
Subject: RE: [EXTERNAL] Trunk 2C - UL A Section 10 T27N R11W; 36.593439, -107.985473; Incident # nAPP2227628237

[**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

Work Hrs.:
7:00am - 11:00pm & 12:00 - 3:30 pm Mon.-Thur.
7:00am - 11:00pm & 12:00 - 4:00 pm Fri.

From: Long, Thomas <tjlong@eprod.com>
Sent: Monday, October 3, 2022 10:10 AM
To: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>; Ryan Joyner <rjoyner@blm.gov>
Cc: Stone, Brian <bmstone@eprod.com>; Kyle Summers <ksummers@ensolum.com>
Subject: [EXTERNAL] Trunk 2C - UL A Section 10 T27N R11W; 36.593439, -107.985473; Incident # nAPP2227628237

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

Nelson/Ryan,

This email is also 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 closure samples tomorrow October 4, 2022 at 10:00 a.m. at the Trunk 2C 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



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.



APPENDIX F

Table 1 – Soil Analytical Summary



TABLE 1
Trunk 2C (09/30/22)
SOIL ANALYTICAL SUMMARY

Sample I.D.	Date	Sample Type	Sample Depth	Benzene	Toluene	Ethylbenzene	Xylenes	Total BTEX ¹	TPH GRO	TPH DRO	TPH MRO	Total Combined TPH (GRO/DRO/MRO)	Chloride
		C- Composite G - Grab	(feet)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
New Mexico Energy, Mineral & Natural Resources Department Oil Conservation Division Closure Criteria (Tier I)				10	NE	NE	NE	50	NE	NE	NE	100	600
Excavation Composite Soil Samples													
S-1	10.04.22	C	12	<0.016	<0.032	<0.032	<0.065	ND	<3.2	<14	<46	ND	<60
S-2	10.04.22	C	12	<0.017	<0.034	<0.034	<0.068	ND	<3.4	<14	<47	ND	<60
S-3	10.04.22	C	0 to 12	<0.017	<0.035	<0.035	<0.070	ND	<3.5	<15	<49	ND	<61
S-4	10.04.22	C	0 to 12	<0.017	<0.033	<0.033	<0.067	ND	<3.3	<15	<50	ND	<60
S-5	10.04.22	C	0 to 12	<0.017	<0.035	<0.035	<0.069	ND	<3.5	<15	<50	ND	<60
S-6	10.04.22	C	0 to 12	<0.018	<0.037	<0.037	<0.073	ND	<3.7	<15	<49	ND	<59
S-7	10.04.22	C	0 to 12	<0.015	<0.030	<0.030	<0.060	ND	<3.0	<15	<50	ND	<60
S-8	10.04.22	C	0 to 12	<0.016	<0.032	<0.032	<0.064	ND	<3.2	<14	<48	ND	<60
S-9	10.04.22	C	0 to 12	<0.015	<0.030	<0.030	<0.060	ND	<3.0	<14	<46	ND	<60
S-10	10.04.22	C	0 to 12	<0.015	<0.031	<0.031	<0.062	ND	<3.1	<14	<48	ND	<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 = milligram per kilogram

BTEX = Benzene, Toluene, Ethylbenzene, and Xylenes

TPH = Total Petroleum Hydrocarbons

GRO = Gasoline Range Organics

DRO = Diesel Range Organics

MRO = Motor Oil/Lube Oil Range Organics



APPENDIX G

Laboratory Data Sheets & Chain of Custody Documentation



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

October 13, 2022

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

RE: Trunk 2C

OrderNo.: 2210134

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 10 sample(s) on 10/5/2022 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,

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

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order **2210134**

Date Reported: **10/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-1

Project: Trunk 2C

Collection Date: 10/4/2022 10:00:00 AM

Lab ID: 2210134-001

Matrix: SOIL

Received Date: 10/5/2022 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	10/5/2022 10:17:01 AM	70607
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	10/5/2022 10:44:27 AM	70606
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	10/5/2022 10:44:27 AM	70606
Surr: DNOP	87.8	21-129		%Rec	1	10/5/2022 10:44:27 AM	70606
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	3.2		mg/Kg	1	10/5/2022 9:49:00 AM	A91552
Surr: BFB	111	37.7-212		%Rec	1	10/5/2022 9:49:00 AM	A91552
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.016		mg/Kg	1	10/5/2022 9:49:00 AM	B91552
Toluene	ND	0.032		mg/Kg	1	10/5/2022 9:49:00 AM	B91552
Ethylbenzene	ND	0.032		mg/Kg	1	10/5/2022 9:49:00 AM	B91552
Xylenes, Total	ND	0.065		mg/Kg	1	10/5/2022 9:49:00 AM	B91552
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	10/5/2022 9:49:00 AM	B91552

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 Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2210134**

Date Reported: **10/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-2

Project: Trunk 2C

Collection Date: 10/4/2022 10:05:00 AM

Lab ID: 2210134-002

Matrix: SOIL

Received Date: 10/5/2022 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	10/5/2022 10:54:15 AM	70607
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	10/5/2022 10:54:54 AM	70606
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/5/2022 10:54:54 AM	70606
Surr: DNOP	85.1	21-129		%Rec	1	10/5/2022 10:54:54 AM	70606
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	3.4		mg/Kg	1	10/5/2022 10:09:00 AM	A91552
Surr: BFB	107	37.7-212		%Rec	1	10/5/2022 10:09:00 AM	A91552
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.017		mg/Kg	1	10/5/2022 10:09:00 AM	B91552
Toluene	ND	0.034		mg/Kg	1	10/5/2022 10:09:00 AM	B91552
Ethylbenzene	ND	0.034		mg/Kg	1	10/5/2022 10:09:00 AM	B91552
Xylenes, Total	ND	0.068		mg/Kg	1	10/5/2022 10:09:00 AM	B91552
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	10/5/2022 10:09:00 AM	B91552

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 Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2210134**

Date Reported: **10/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-3

Project: Trunk 2C

Collection Date: 10/4/2022 10:10:00 AM

Lab ID: 2210134-003

Matrix: SOIL

Received Date: 10/5/2022 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	61		mg/Kg	20	10/5/2022 11:06:40 AM	70607
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	10/5/2022 11:05:23 AM	70606
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/5/2022 11:05:23 AM	70606
Surr: DNOP	85.9	21-129		%Rec	1	10/5/2022 11:05:23 AM	70606
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	3.5		mg/Kg	1	10/5/2022 10:28:00 AM	A91552
Surr: BFB	105	37.7-212		%Rec	1	10/5/2022 10:28:00 AM	A91552
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.017		mg/Kg	1	10/5/2022 10:28:00 AM	B91552
Toluene	ND	0.035		mg/Kg	1	10/5/2022 10:28:00 AM	B91552
Ethylbenzene	ND	0.035		mg/Kg	1	10/5/2022 10:28:00 AM	B91552
Xylenes, Total	ND	0.070		mg/Kg	1	10/5/2022 10:28:00 AM	B91552
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	10/5/2022 10:28:00 AM	B91552

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 Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2210134**

Date Reported: **10/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-4

Project: Trunk 2C

Collection Date: 10/4/2022 10:15:00 AM

Lab ID: 2210134-004

Matrix: SOIL

Received Date: 10/5/2022 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	10/5/2022 11:19:05 AM	70607
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	10/5/2022 11:15:52 AM	70606
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	10/5/2022 11:15:52 AM	70606
Surr: DNOP	85.2	21-129		%Rec	1	10/5/2022 11:15:52 AM	70606
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	3.3		mg/Kg	1	10/5/2022 10:48:00 AM	A91552
Surr: BFB	105	37.7-212		%Rec	1	10/5/2022 10:48:00 AM	A91552
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.017		mg/Kg	1	10/5/2022 10:48:00 AM	B91552
Toluene	ND	0.033		mg/Kg	1	10/5/2022 10:48:00 AM	B91552
Ethylbenzene	ND	0.033		mg/Kg	1	10/5/2022 10:48:00 AM	B91552
Xylenes, Total	ND	0.067		mg/Kg	1	10/5/2022 10:48:00 AM	B91552
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	10/5/2022 10:48:00 AM	B91552

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 Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2210134**

Date Reported: **10/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-5

Project: Trunk 2C

Collection Date: 10/4/2022 10:20:00 AM

Lab ID: 2210134-005

Matrix: SOIL

Received Date: 10/5/2022 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	10/5/2022 11:31:30 AM	70607
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	10/5/2022 11:26:24 AM	70606
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	10/5/2022 11:26:24 AM	70606
Surr: DNOP	88.9	21-129		%Rec	1	10/5/2022 11:26:24 AM	70606
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	3.5		mg/Kg	1	10/5/2022 11:08:00 AM	A91552
Surr: BFB	104	37.7-212		%Rec	1	10/5/2022 11:08:00 AM	A91552
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.017		mg/Kg	1	10/5/2022 11:08:00 AM	B91552
Toluene	ND	0.035		mg/Kg	1	10/5/2022 11:08:00 AM	B91552
Ethylbenzene	ND	0.035		mg/Kg	1	10/5/2022 11:08:00 AM	B91552
Xylenes, Total	ND	0.069		mg/Kg	1	10/5/2022 11:08:00 AM	B91552
Surr: 4-Bromofluorobenzene	99.9	70-130		%Rec	1	10/5/2022 11:08:00 AM	B91552

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 Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2210134**

Date Reported: **10/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-6

Project: Trunk 2C

Collection Date: 10/4/2022 10:25:00 AM

Lab ID: 2210134-006

Matrix: SOIL

Received Date: 10/5/2022 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	59		mg/Kg	20	10/5/2022 11:43:55 AM	70607
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	10/5/2022 11:36:58 AM	70606
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/5/2022 11:36:58 AM	70606
Surr: DNOP	89.3	21-129		%Rec	1	10/5/2022 11:36:58 AM	70606
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	3.7		mg/Kg	1	10/5/2022 11:27:00 AM	A91552
Surr: BFB	105	37.7-212		%Rec	1	10/5/2022 11:27:00 AM	A91552
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.018		mg/Kg	1	10/5/2022 11:27:00 AM	B91552
Toluene	ND	0.037		mg/Kg	1	10/5/2022 11:27:00 AM	B91552
Ethylbenzene	ND	0.037		mg/Kg	1	10/5/2022 11:27:00 AM	B91552
Xylenes, Total	ND	0.073		mg/Kg	1	10/5/2022 11:27:00 AM	B91552
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	10/5/2022 11:27:00 AM	B91552

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 Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2210134**

Date Reported: **10/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-7

Project: Trunk 2C

Collection Date: 10/4/2022 10:30:00 AM

Lab ID: 2210134-007

Matrix: SOIL

Received Date: 10/5/2022 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	10/5/2022 11:56:20 AM	70607
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	10/5/2022 11:47:30 AM	70606
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	10/5/2022 11:47:30 AM	70606
Surr: DNOP	92.7	21-129		%Rec	1	10/5/2022 11:47:30 AM	70606
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	3.0		mg/Kg	1	10/5/2022 11:47:00 AM	A91552
Surr: BFB	103	37.7-212		%Rec	1	10/5/2022 11:47:00 AM	A91552
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.015		mg/Kg	1	10/5/2022 11:47:00 AM	B91552
Toluene	ND	0.030		mg/Kg	1	10/5/2022 11:47:00 AM	B91552
Ethylbenzene	ND	0.030		mg/Kg	1	10/5/2022 11:47:00 AM	B91552
Xylenes, Total	ND	0.060		mg/Kg	1	10/5/2022 11:47:00 AM	B91552
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	10/5/2022 11:47:00 AM	B91552

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 Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2210134**

Date Reported: **10/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-8

Project: Trunk 2C

Collection Date: 10/4/2022 10:35:00 AM

Lab ID: 2210134-008

Matrix: SOIL

Received Date: 10/5/2022 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	10/5/2022 12:08:45 PM	70607
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	10/5/2022 11:58:05 AM	70606
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/5/2022 11:58:05 AM	70606
Surr: DNOP	80.9	21-129		%Rec	1	10/5/2022 11:58:05 AM	70606
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	3.2		mg/Kg	1	10/5/2022 12:07:00 PM	A91552
Surr: BFB	107	37.7-212		%Rec	1	10/5/2022 12:07:00 PM	A91552
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.016		mg/Kg	1	10/5/2022 12:07:00 PM	B91552
Toluene	ND	0.032		mg/Kg	1	10/5/2022 12:07:00 PM	B91552
Ethylbenzene	ND	0.032		mg/Kg	1	10/5/2022 12:07:00 PM	B91552
Xylenes, Total	ND	0.064		mg/Kg	1	10/5/2022 12:07:00 PM	B91552
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	10/5/2022 12:07:00 PM	B91552

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 Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2210134**

Date Reported: **10/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-9

Project: Trunk 2C

Collection Date: 10/4/2022 10:40:00 AM

Lab ID: 2210134-009

Matrix: SOIL

Received Date: 10/5/2022 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	10/5/2022 12:21:09 PM	70607
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	10/5/2022 12:08:41 PM	70606
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	10/5/2022 12:08:41 PM	70606
Surr: DNOP	77.7	21-129		%Rec	1	10/5/2022 12:08:41 PM	70606
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	3.0		mg/Kg	1	10/5/2022 12:26:00 PM	A91552
Surr: BFB	102	37.7-212		%Rec	1	10/5/2022 12:26:00 PM	A91552
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.015		mg/Kg	1	10/5/2022 12:26:00 PM	B91552
Toluene	ND	0.030		mg/Kg	1	10/5/2022 12:26:00 PM	B91552
Ethylbenzene	ND	0.030		mg/Kg	1	10/5/2022 12:26:00 PM	B91552
Xylenes, Total	ND	0.060		mg/Kg	1	10/5/2022 12:26:00 PM	B91552
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	10/5/2022 12:26:00 PM	B91552

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 Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2210134**

Date Reported: **10/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-10

Project: Trunk 2C

Collection Date: 10/4/2022 10:45:00 AM

Lab ID: 2210134-010

Matrix: SOIL

Received Date: 10/5/2022 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	10/5/2022 12:33:34 PM	70607
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	10/5/2022 12:19:18 PM	70606
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/5/2022 12:19:18 PM	70606
Surr: DNOP	94.7	21-129		%Rec	1	10/5/2022 12:19:18 PM	70606
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	3.1		mg/Kg	1	10/5/2022 12:46:00 PM	A91552
Surr: BFB	108	37.7-212		%Rec	1	10/5/2022 12:46:00 PM	A91552
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.015		mg/Kg	1	10/5/2022 12:46:00 PM	B91552
Toluene	ND	0.031		mg/Kg	1	10/5/2022 12:46:00 PM	B91552
Ethylbenzene	ND	0.031		mg/Kg	1	10/5/2022 12:46:00 PM	B91552
Xylenes, Total	ND	0.062		mg/Kg	1	10/5/2022 12:46:00 PM	B91552
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	10/5/2022 12:46:00 PM	B91552

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 Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2210134

13-Oct-22

Client: ENSOLUM

Project: Trunk 2C

Sample ID: MB-70607	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 70607	RunNo: 91550								
Prep Date: 10/5/2022	Analysis Date: 10/5/2022	SeqNo: 3280992	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-70607	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 70607	RunNo: 91550								
Prep Date: 10/5/2022	Analysis Date: 10/5/2022	SeqNo: 3280993	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.8	90	110			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E 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#: 2210134

13-Oct-22

Client: ENSOLUM

Project: Trunk 2C

Sample ID: LCS-70606	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 70606	RunNo: 91556								
Prep Date: 10/5/2022	Analysis Date: 10/5/2022	SeqNo: 3279813			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	34	15	50.00	0	68.5	64.4	127			
Surr: DNOP	3.3		5.000		65.3	21	129			

Sample ID: MB-70606	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 70606	RunNo: 91556								
Prep Date: 10/5/2022	Analysis Date: 10/5/2022	SeqNo: 3279814			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	8.4		10.00		84.2	21	129			

Sample ID: 2210134-001AMS	SampType: MS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: S-1	Batch ID: 70606	RunNo: 91556								
Prep Date: 10/5/2022	Analysis Date: 10/5/2022	SeqNo: 3281717			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	35	15	49.90	0	69.3	36.1	154			
Surr: DNOP	3.4		4.990		68.0	21	129			

Sample ID: 2210134-001AMSD	SampType: MSD	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: S-1	Batch ID: 70606	RunNo: 91556								
Prep Date: 10/5/2022	Analysis Date: 10/5/2022	SeqNo: 3281718			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	32	14	46.43	0	68.9	36.1	154	7.80	33.9	
Surr: DNOP	3.2		4.643		68.1	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 Quantitative 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#: 2210134

13-Oct-22

Client: ENSOLUM

Project: Trunk 2C

Sample ID: 2210134-001a ms	SampType: MS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: S-1	Batch ID: A91552		RunNo: 91552							
Prep Date:	Analysis Date: 10/5/2022		SeqNo: 3280125		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	16	3.2	16.23	0	96.3	70	130			
Surr: BFB	1400		649.4		215	37.7	212			S

Sample ID: 2210134-001A MSD	SampType: MSD		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: S-1	Batch ID: A91552		RunNo: 91552							
Prep Date:	Analysis Date: 10/5/2022		SeqNo: 3280126		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	17	3.2	16.23	0	103	70	130	7.09	20	
Surr: BFB	1400		649.4		214	37.7	212	0	0	S

Sample ID: 2.5ug gro lcs	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: A91552		RunNo: 91552							
Prep Date:	Analysis Date: 10/5/2022		SeqNo: 3280157		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	99.6	72.3	137			
Surr: BFB	2200		1000		223	37.7	212			S

Sample ID: mb	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: A91552		RunNo: 91552							
Prep Date:	Analysis Date: 10/5/2022		SeqNo: 3280158		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	1100		1000		110	37.7	212			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E 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#: 2210134

13-Oct-22

Client: ENSOLUM
Project: Trunk 2C

Sample ID: 100ng btex lcs	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: B91552	RunNo: 91552								
Prep Date:	Analysis Date: 10/5/2022	SeqNo: 3280141	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.97	0.025	1.000	0	96.9	80	120			
Toluene	1.0	0.050	1.000	0	100	80	120			
Ethylbenzene	1.0	0.050	1.000	0	101	80	120			
Xylenes, Total	3.0	0.10	3.000	0	99.8	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		102	70	130			

Sample ID: 2210134-002a ms	SampType: MS	TestCode: EPA Method 8021B: Volatiles								
Client ID: S-2	Batch ID: B91552	RunNo: 91552								
Prep Date:	Analysis Date: 10/5/2022	SeqNo: 3280143	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.66	0.017	0.6794	0	97.4	68.8	120			
Toluene	0.67	0.034	0.6794	0	98.8	73.6	124			
Ethylbenzene	0.68	0.034	0.6794	0	100	72.7	129			
Xylenes, Total	2.0	0.068	2.038	0	98.7	75.7	126			
Surr: 4-Bromofluorobenzene	0.66		0.6794		97.4	70	130			

Sample ID: 2210134-002A MSD	SampType: MSD	TestCode: EPA Method 8021B: Volatiles								
Client ID: S-2	Batch ID: B91552	RunNo: 91552								
Prep Date:	Analysis Date: 10/5/2022	SeqNo: 3280144	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.64	0.017	0.6794	0	94.7	68.8	120	2.72	20	
Toluene	0.64	0.034	0.6794	0	94.7	73.6	124	4.17	20	
Ethylbenzene	0.66	0.034	0.6794	0	97.8	72.7	129	2.20	20	
Xylenes, Total	2.0	0.068	2.038	0	96.4	75.7	126	2.42	20	
Surr: 4-Bromofluorobenzene	0.65		0.6794		96.4	70	130	0	0	

Sample ID: mb	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: B91552	RunNo: 91552								
Prep Date:	Analysis Date: 10/5/2022	SeqNo: 3280159	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	1.0		1.000		101	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix 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
 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: 2210134

RcptNo: 1

Received By: Juan Rojas 10/5/2022 7:00:00 AM

Juan Rojas

Completed By: Juan Rojas 10/5/2022 7:16:54 AM

Juan Rojas

Reviewed By: *Tmu* 10/5/22

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? Yes No
 (Note discrepancies on chain of custody)
12. Are matrices correctly identified on Chain of Custody? Yes No
13. Is it clear what analyses were requested? Yes No
14. Were all holding times able to be met? Yes No
 (If no, notify customer for authorization.)

of preserved bottles checked for pH: _____
 (<2 or >12 unless noted)

Adjusted? _____

Checked by: *JR 10/5/22*

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	0.8	Good				

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 199329

CONDITIONS

Operator: Enterprise Field Services, LLC PO Box 4324 Houston, TX 77210	OGRID: 241602
	Action Number: 199329
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvez	None	4/28/2023