

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) nAPP2320046214
Contact mailing address: 614 Reilly Ave, Farmington, NM 87401	

Location of Release Source

Latitude **36.58641** Longitude **-107.76835** (NAD 83 in decimal degrees to 5 decimal places)

Site Name Blanco C-11	Site Type Natural Gas Gathering Pipeline
Date Release Discovered: 07/19/2023	Serial Number (if applicable): N/A

Unit Letter	Section	Township	Range	County
P	10	27N	9W	San Juan

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

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): Estimated 10-15 BBLs	Volume Recovered (bbls): None
<input checked="" type="checkbox"/> Natural Gas	Volume Released (Mcf): 26.51 MCF	Volume Recovered (Mcf): None
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units):	Volume/Weight Recovered (provide units)

Cause of Release On July 12, 2023, Enterprise had a release of natural gas and natural gas liquids from the Blanco C-11 pipeline. The pipeline was isolated, depressurized, locked and tagged out. No fire nor injuries occurred. No liquids were observed on the ground surface. Repairs and remediation began on July 19, 2023, at which time Enterprise determined the release reportable per NMOCC regulation due the volume of impacted subsurface soil. Remediation was completed on October 12, 2023. The final excavation dimensions measured approximately 48 feet long by 21 feet wide by 21 feet deep. Approximately 538 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: 11-29-2023

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: 02/02/2024

Printed Name: Nelson Velez Title: Environmental Specialist - Adv



CLOSURE REPORT

Property:

Blanco C-11 (07/19/23)
Unit Letter P, S10 T27N R9W
San Juan County, New Mexico

New Mexico EMNRD OCD Incident ID No. NAPP2320046214

November 29, 2023

Ensolum Project No. 05A1226259

Prepared for:

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

Prepared by:

Raneet Deechilly
Project Manager

Kyle Summers
Senior Managing Geologist

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Appendix G – Laboratory Data Sheets & Chain of Custody Documentation

1.0 INTRODUCTION

1.1 Site Description & Background

Operator:	Enterprise Field Services, LLC / Enterprise Products Operating LLC (Enterprise)
Site Name:	Blanco C-11 (07/19/23) (Site)
NM EMNRD OCD Incident ID No.	NAPP2320046214
Location:	36.58641° North, 107.76835° West Unit Letter P, Section 10, Township 27 North, Range 9 West San Juan County, New Mexico
Property:	Navajo Nation
Regulatory:	Navajo Nation Environmental Protection Agency (NNEPA) and New Mexico (NM) Energy, Minerals and Natural Resources Department (EMNRD) Oil Conservation Division (OCD)

On July 12, 2023, a third party notified Enterprise of a possible release of natural gas on the Blanco C-11 pipeline. Enterprise personnel verified a leak and subsequently isolated and locked the pipeline out of service. On July 19, 2023, Enterprise initiated activities to repair the pipeline and remediate potential petroleum hydrocarbon impact.

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

1.2 Project Objective

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

2.0 CLOSURE CRITERIA

The Site is subject to regulatory oversight by the NNEPA and the NM EMNRD OCD. Ensolum, LLC (Ensolum) referenced 19.15.29 New Mexico Administrative Code (NMAC), which establishes investigation and abatement action requirements for oil and gas release sites that are subject to reporting and/or corrective action, during the evaluation and remediation of the Site. The appropriate closure criteria for sites are determined using the siting requirements outlined in Paragraph (4) of Subsection C of 19.15.29.12 NMAC. Ensolum utilized the general site characteristics and information available from NM state agency databases and federal agency geospatial databases to determine the appropriate closure criteria for the Site. Supporting figures and documentation associated with the following Siting bullets are provided in **Appendix B**.

- The NM Office of the State Engineer (OSE) tracks the usage and assignment of water rights and water well installations and records this information in the Water Rights Reporting System (WRRS) database. Water wells and other points of diversion (PODs) are each assigned POD numbers in the database (which is searchable and includes an interactive map). No PODs were identified in the same Public Land Survey System (PLSS) section as the Site or in the adjacent PLSS sections (**Figure A, Appendix B**). However, two former groundwater monitoring wells associated with the Enterprise Lateral C-11 (2012) release site were identified approximately 360 feet northeast of the Site. Based on historic groundwater data from these wells, the depth to water at the Lateral C-11 (2012) site is approximately 41 feet below grade surface (bgs).

- Six cathodic protection wells (CPWs) were identified in the NM EMNRD OCD imaging database in the adjacent PLSS sections. These CPWs are depicted on **Figure B (Appendix B)**. The two closest CPWs (Marshall #1 and Turner Hughes #16, #13, and #10) are located less than one mile from the Site. Documentation for the cathodic protection well located near the Marshall #1 well location indicates a depth to water of 150 feet bgs. This cathodic protection well is located approximately 0.64 miles southeast of the Site and is approximately 196 feet higher in elevation than the Site. Documentation for the cathodic protection well located near the Turner Hughes #16, #13, and #10 well locations indicates a depth to water of 180 feet bgs. This cathodic protection well is located approximately 0.96 miles northeast of the Site and is approximately 37 feet lower 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**), although there may be unregistered wells at the residence approximately 900 feet northeast of the Site.
- 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 located within a 100-year flood zone (**Figure H, Appendix B**).

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

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

¹ – Constituent concentrations are in milligrams per kilogram (mg/kg).

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

³ – Benzene, Toluene, Ethylbenzene, and Total Xylenes (BTEX).

3.0 SOIL REMEDIATION ACTIVITIES

On July 19, 2023, Enterprise initiated activities to repair the pipeline and remediate petroleum hydrocarbon impact resulting from the release but were interrupted by technical difficulties and were later completed in October 2023. During the remediation and corrective action activities, Sunland Construction Inc, and Industrial Mechanical Inc, provided heavy equipment and labor support, while Ensolum provided environmental consulting support.

The final excavation measured approximately 48 feet long and 21 feet wide at the maximum extents. The maximum depth of the excavation measured approximately 21 feet bgs. The lithology encountered during the completion of remediation activities consisted primarily of silty sand and sand.

Approximately 538 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 in San Juan County, NM for disposal/remediation. The executed C-138 solid waste acceptance form is provided in **Appendix C**. The excavation was backfilled with imported fill and laboratory-confirmed overburden soil 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 21 composite soil samples (S-1 through S-21) from the excavation for laboratory analysis. In addition, one composite soil sample (SP-1) was collected from segregated, apparently unaffected stockpiled overburden soils to determine if the material was suitable to use as backfill. The composite samples were comprised of five aliquots each and represent an estimated 200 square foot (ft²) or less 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 6, 2023, sampling was performed at the Site. The NNEPA and NM EMNRD OCD were notified of the sampling event although no representatives were present during sampling

activities. Composite soil samples S-1 (21') and S-2 (21') were collected from the floor of the excavation. Composite soil samples S-3 (11' to 21'), S-4 (0' to 11'), S-5 (5' to 21'), S-6 (5' to 21'), S-7 (11' to 21'), S-8 (0' to 11') were collected from the walls of the excavation. Composite soil samples S-9 (0' to 5'), S-10 (0' to 5'), S-11 (0' to 5'), and S-13 (0' to 5') were collected from the sloped walls of the excavation. Composite soil sample S-12 (0' to 2.5') was collected from the sloped sidewalls of the pipe chase overburden soil. Composite soil sample SP-1 was collected from the segregated stockpiled soil to verify that the soil did not exhibit COC impact and that it was suitable for use as backfill.

Second Sampling Event

On October 12, 2023, sampling was again performed at the Site. The NNEPA and NM EMNRD OCD were notified of the sampling event although no representatives were present during sampling activities. Composite soil samples S-14 (20') and S-15 (20') were collected from the floor of the excavation. Composite soil samples S-16 (10' to 20'), S-17 (0' to 10'), S-18 (0' to 20'), S-19 (0' to 20'), S-20 (10' to 20'), and S-21 (0' to 10') 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-21 and SP-1) to the applicable NM EMNRD OCD closure criteria. The laboratory analytical results are summarized in **Table 1 (Appendix F)**.

- The laboratory analytical results for the composite soil samples indicate benzene is not present at concentrations greater than the laboratory PQLs/RLs, which are less than the NM EMNRD OCD closure criteria of 10 mg/kg.
- The laboratory analytical results for the composite soil samples indicate total BTEX is not present at concentrations greater than the laboratory PQLs/RLs, which are less than the NM EMNRD OCD closure criteria of 50 mg/kg.
- The laboratory analytical results for composite soil samples SP-1, S-9, S-13, and S-16 indicate combined TPH GRO/DRO/MRO concentrations ranging from 10 mg/kg (S-16) to 49 mg/kg (S-13), which are less than the New Mexico EMNRD OCD closure criteria of 100 mg/kg. The laboratory analytical results for the other composite soil samples indicate combined TPH GRO/DRO/MRO concentrations are not present at concentrations greater than the laboratory PQLs/RLs, which are less than the New Mexico EMNRD OCD closure criteria of 100 mg/kg.

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

7.0 RECLAMATION

The excavation was backfilled with imported fill and laboratory-confirmed overburden soil and then contoured to the surrounding topography.

8.0 FINDINGS AND RECOMMENDATION

- Twenty-two composite soil samples were collected from the Site. Based on laboratory analytical results, no benzene, total BTEX, chloride, or TPH GRO/DRO/MRO exceedances were identified in the soils remaining at the Site.
- Approximately 538 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 laboratory-confirmed overburden soil 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

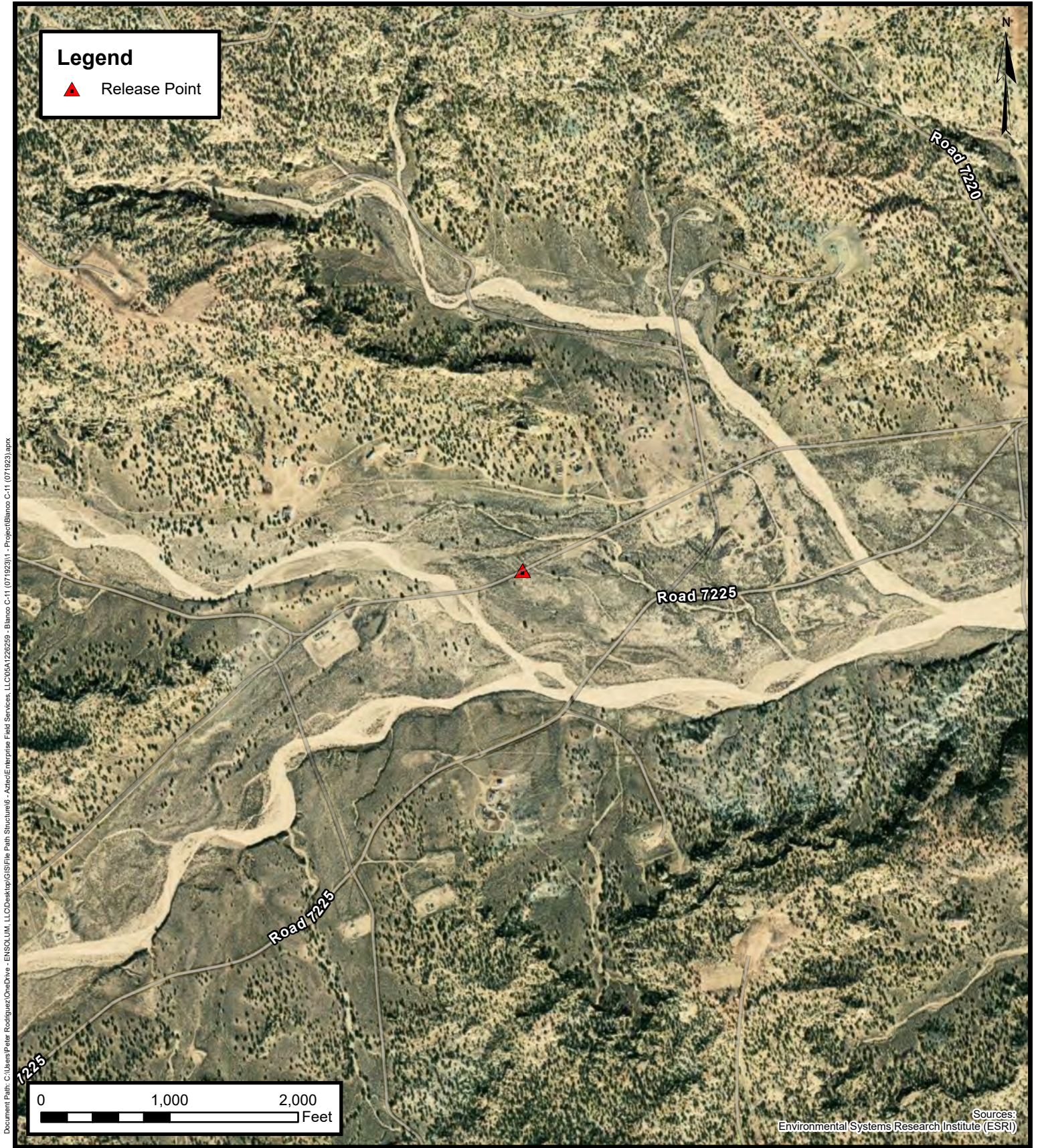
distribution or reuse is at the client's sole risk. Notwithstanding the foregoing, reliance by authorized parties will be subject to the terms, conditions, and limitations stated in the Closure Report and Ensolum's Master Services Agreement. The limitation of liability defined in the agreement is the aggregate limit of Ensolum's liability to the client.



APPENDIX A

Figures





Site Vicinity Map

Enterprise Field Services, LLC
Blanco C-11 (07/19/23)

Project Number: 05A1226259

Unit Letter P, S10 T27N R9W, San Juan County, New Mexico
36.58641, -107.76835

FIGURE

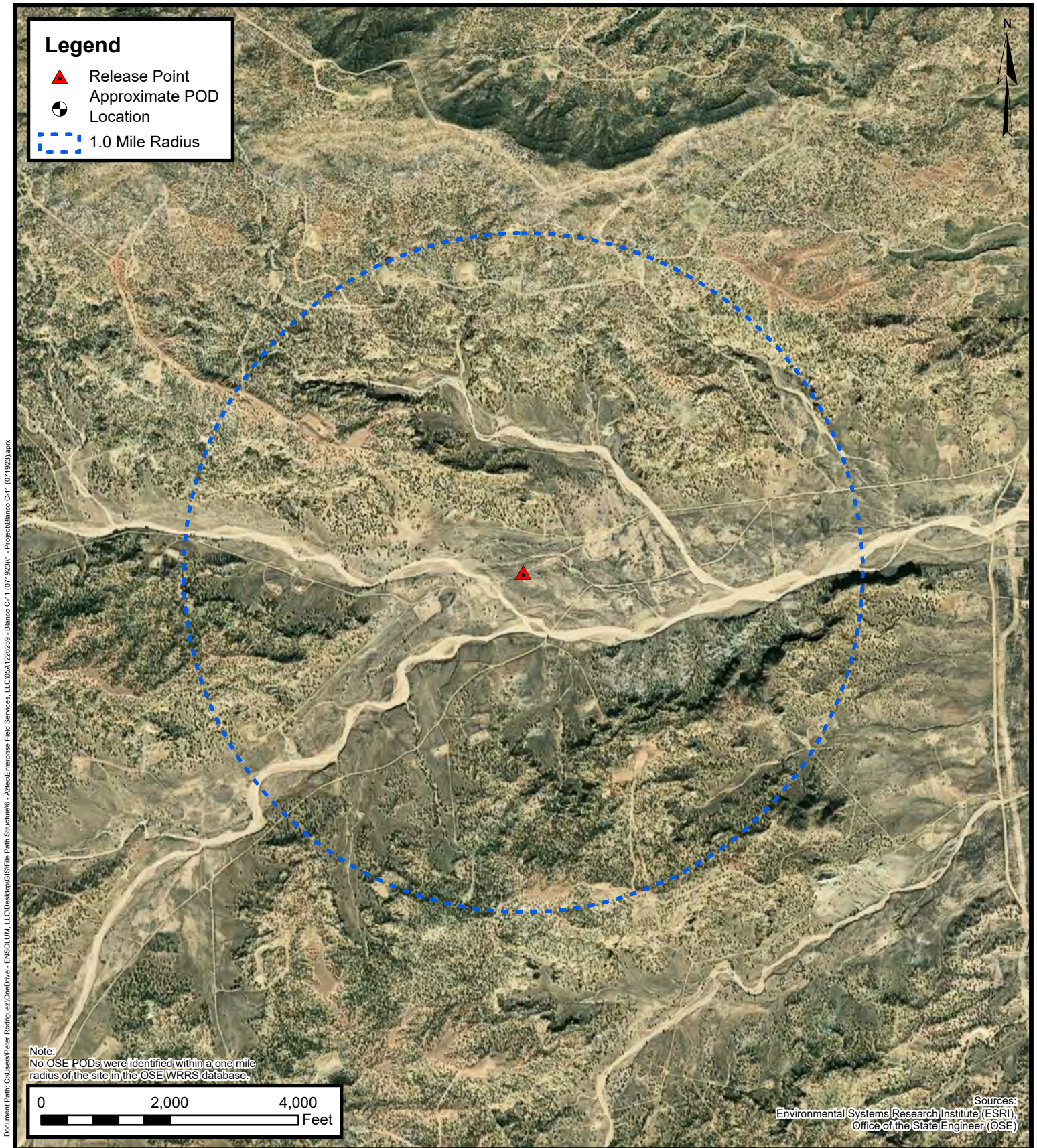
2





APPENDIX B

Siting Figures and Documentation



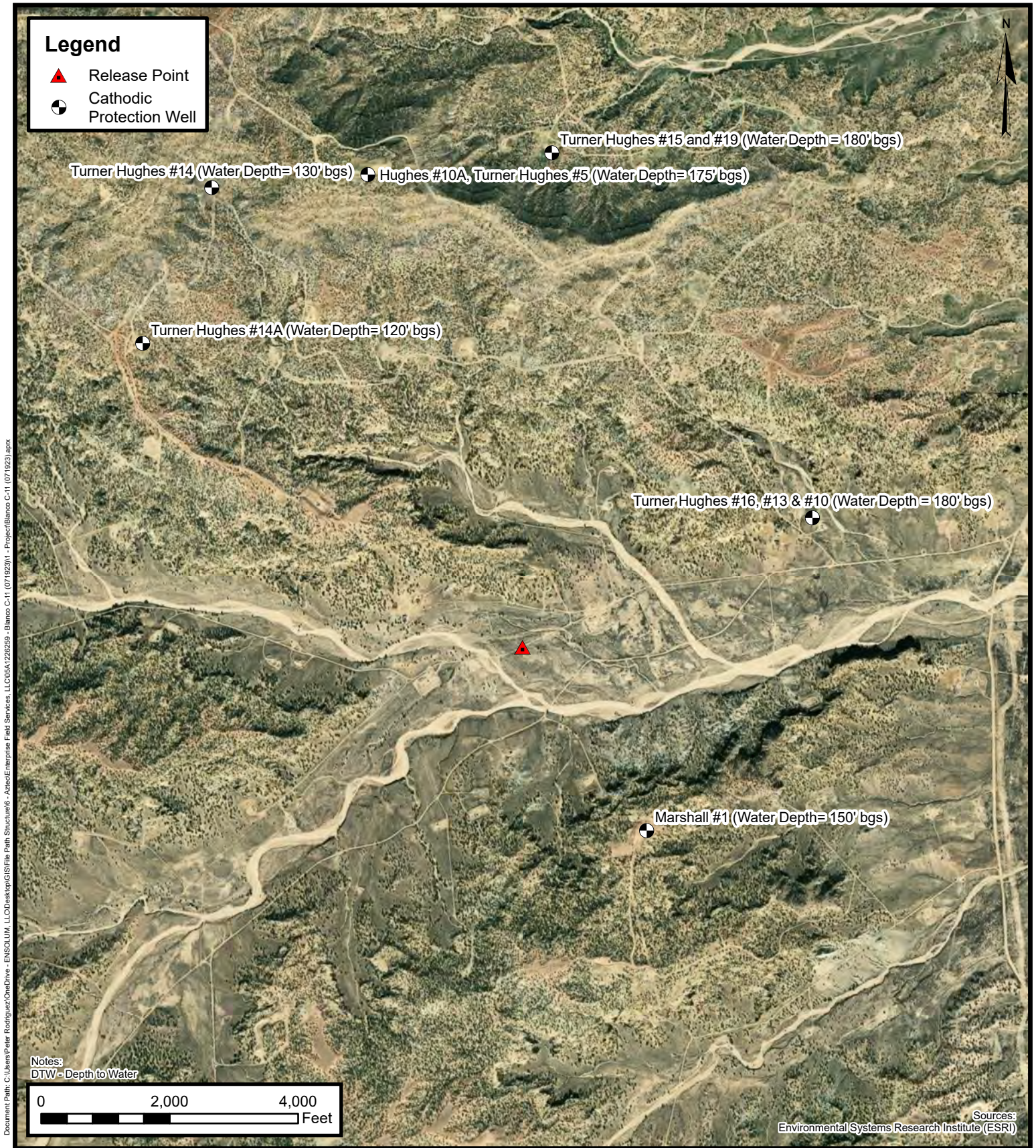
1.0 Mile Radius POD Location Map

Enterprise Field Services, LLC
Blanco C-11 (07/19/23)

Project Number: 05A1226259

Unit Letter P, S10 T27N R9W, San Juan County, New Mexico
36.58641, -107.76835

FIGURE
A



Cathodic Protection Well Recorded Depth to Water

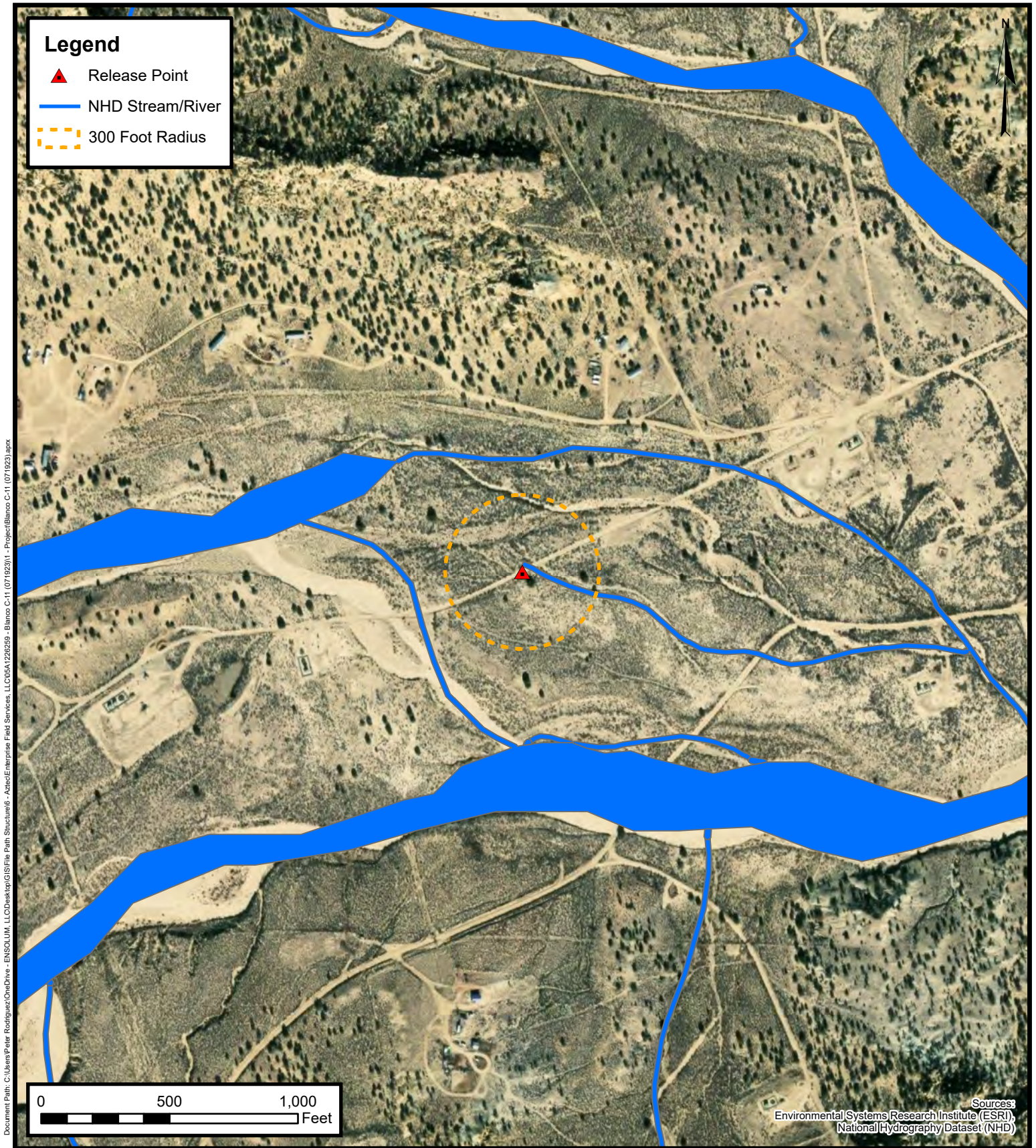
Enterprise Field Services, LLC

Blanco C-11 (07/19/23)

Project Number: 05A1226259

Unit Letter P, S10 T27N R9W, San Juan County, New Mexico
36.58641, -107.76835

**FIGURE
B**



300 Foot Radius Watercourse and Drainage Identification

Enterprise Field Services, LLC

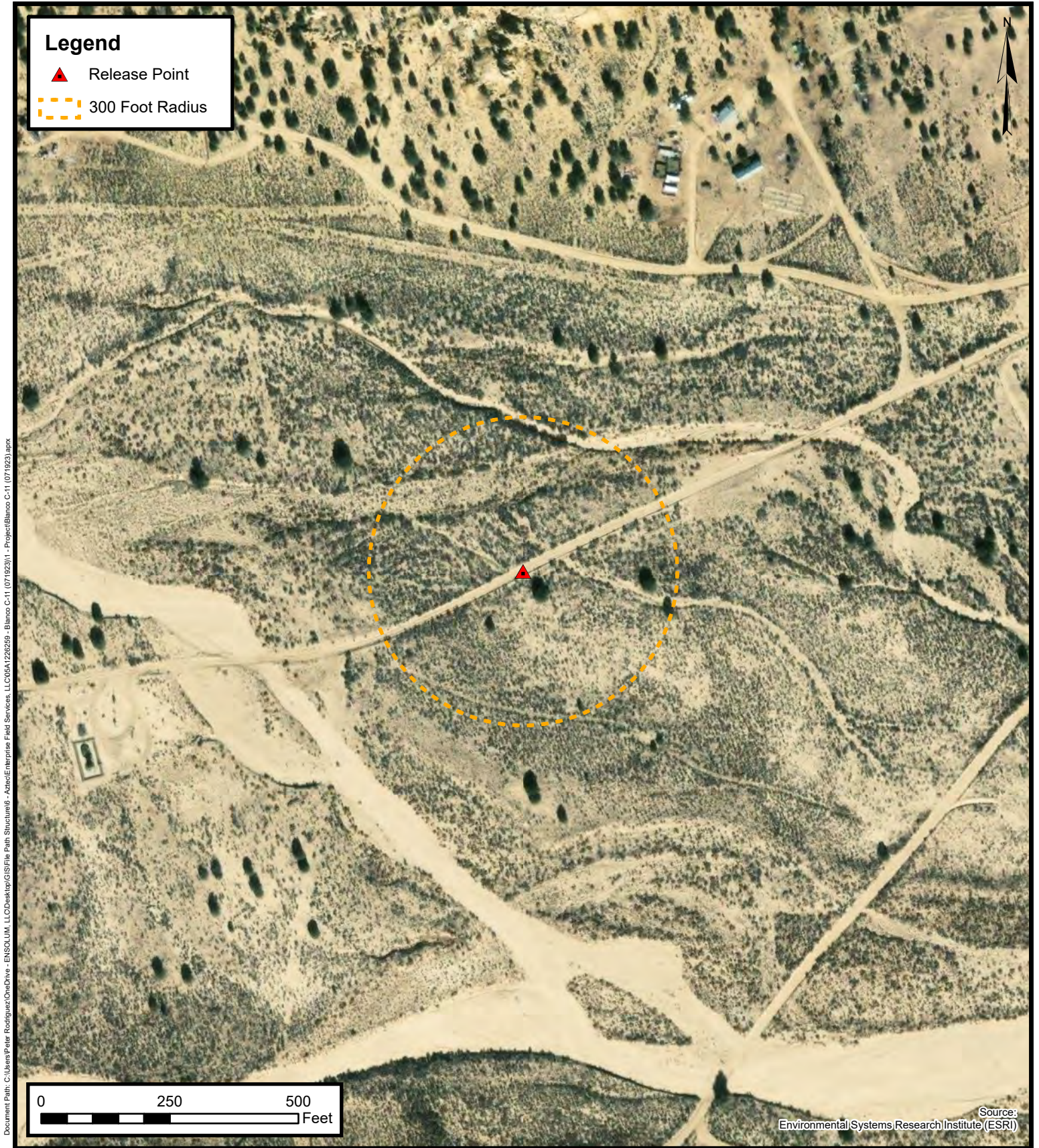
Blanco C-11 (07/19/23)

Project Number: 05A1226259

Unit Letter P, S10 T27N R9W, San Juan County, New Mexico
36.58641, -107.76835

FIGURE

C



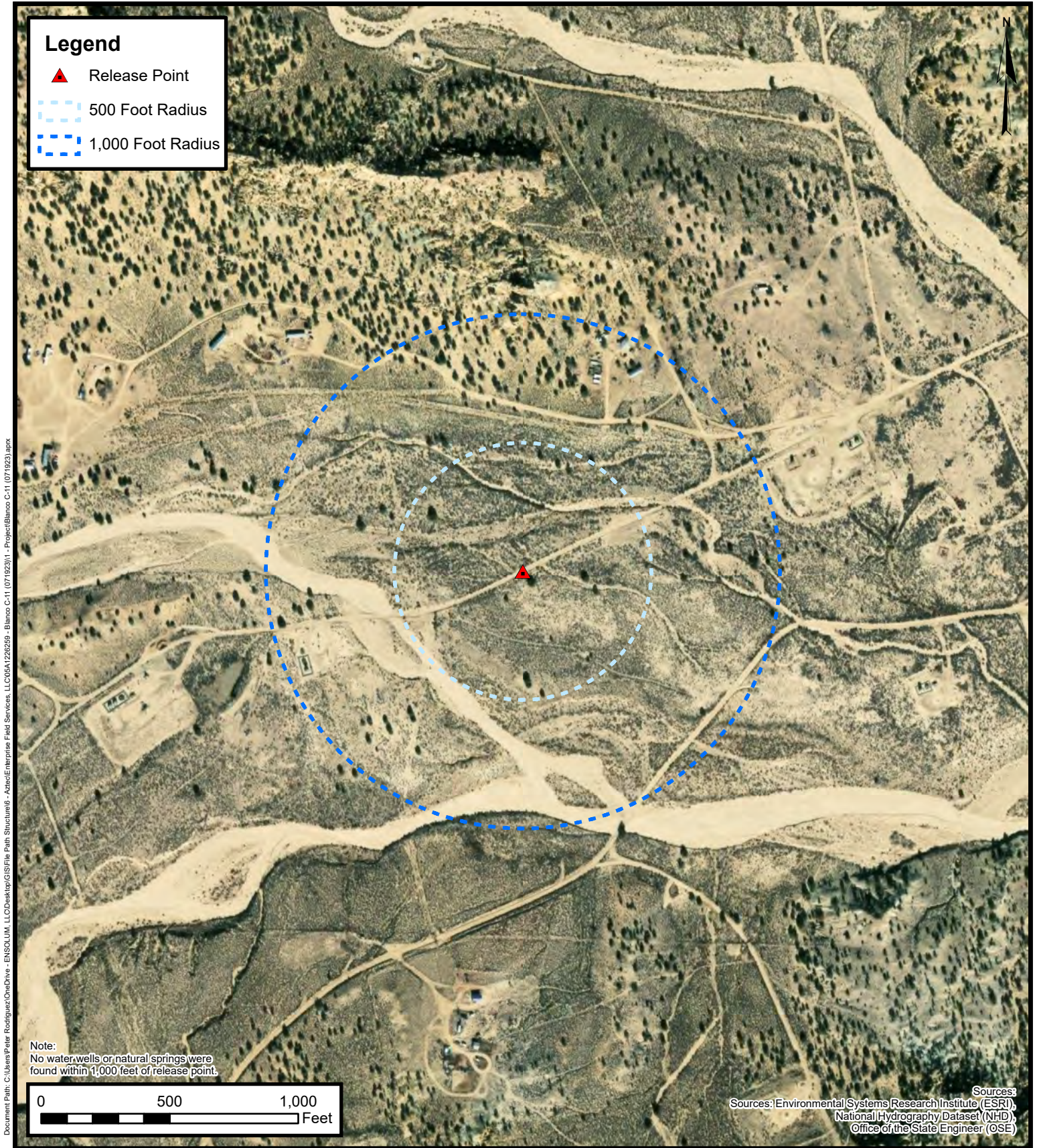
**300 Foot Radius Occupied
Structure Identification**

Enterprise Field Services, LLC
Blanco C-11 (07/19/23)

Project Number: 05A1226259

Unit Letter P, S10 T27N R9W, San Juan County, New Mexico
36.58641, -107.76835

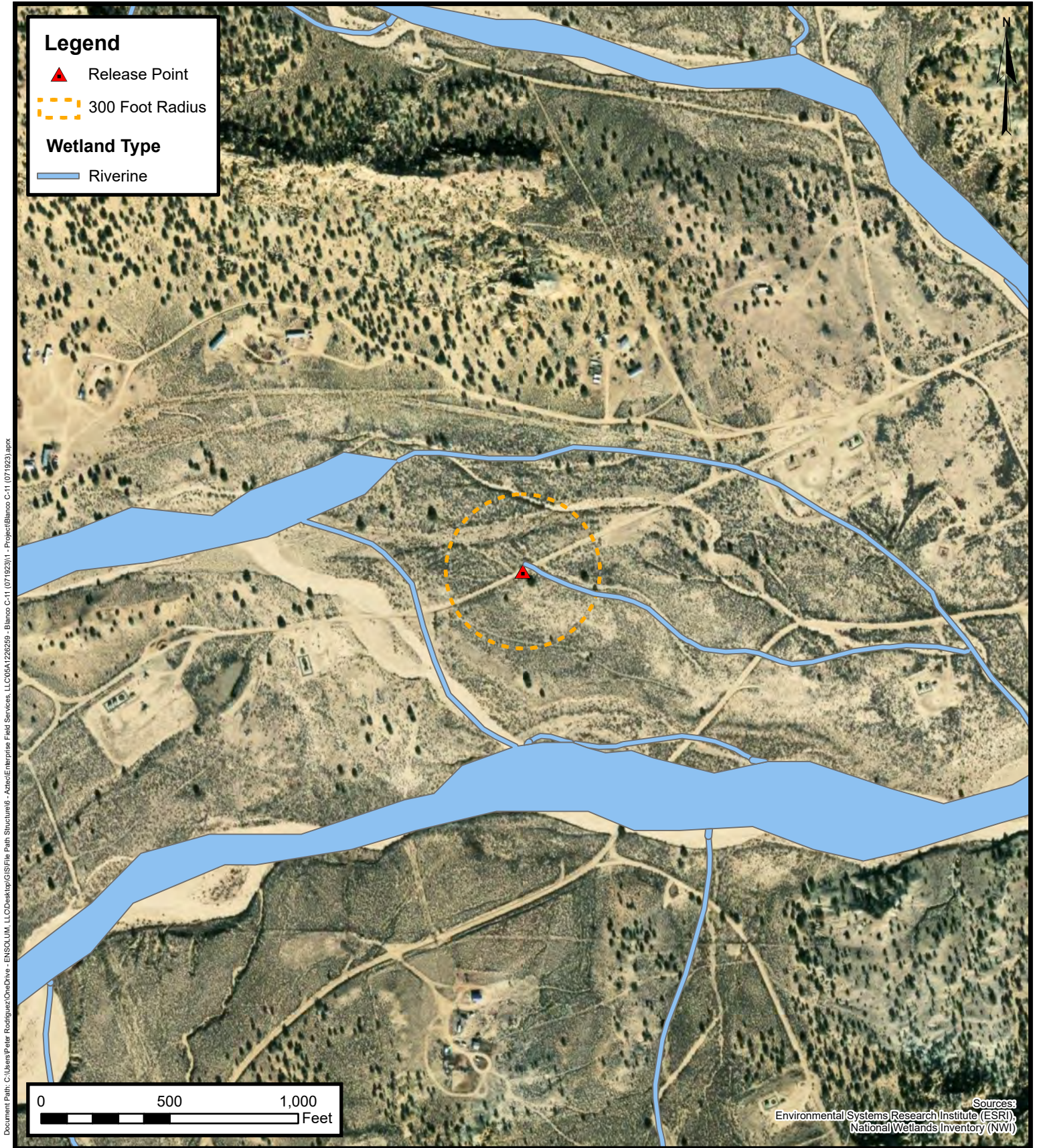
**FIGURE
D**



**Water Well and
Natural Spring Location**

Enterprise Field Services, LLC
Blanco C-11 (07/19/23)
Project Number: 05A1226259
Unit Letter P, S10 T27N R9W, San Juan County, New Mexico
36.58641, -107.76835

**FIGURE
E**



Wetlands

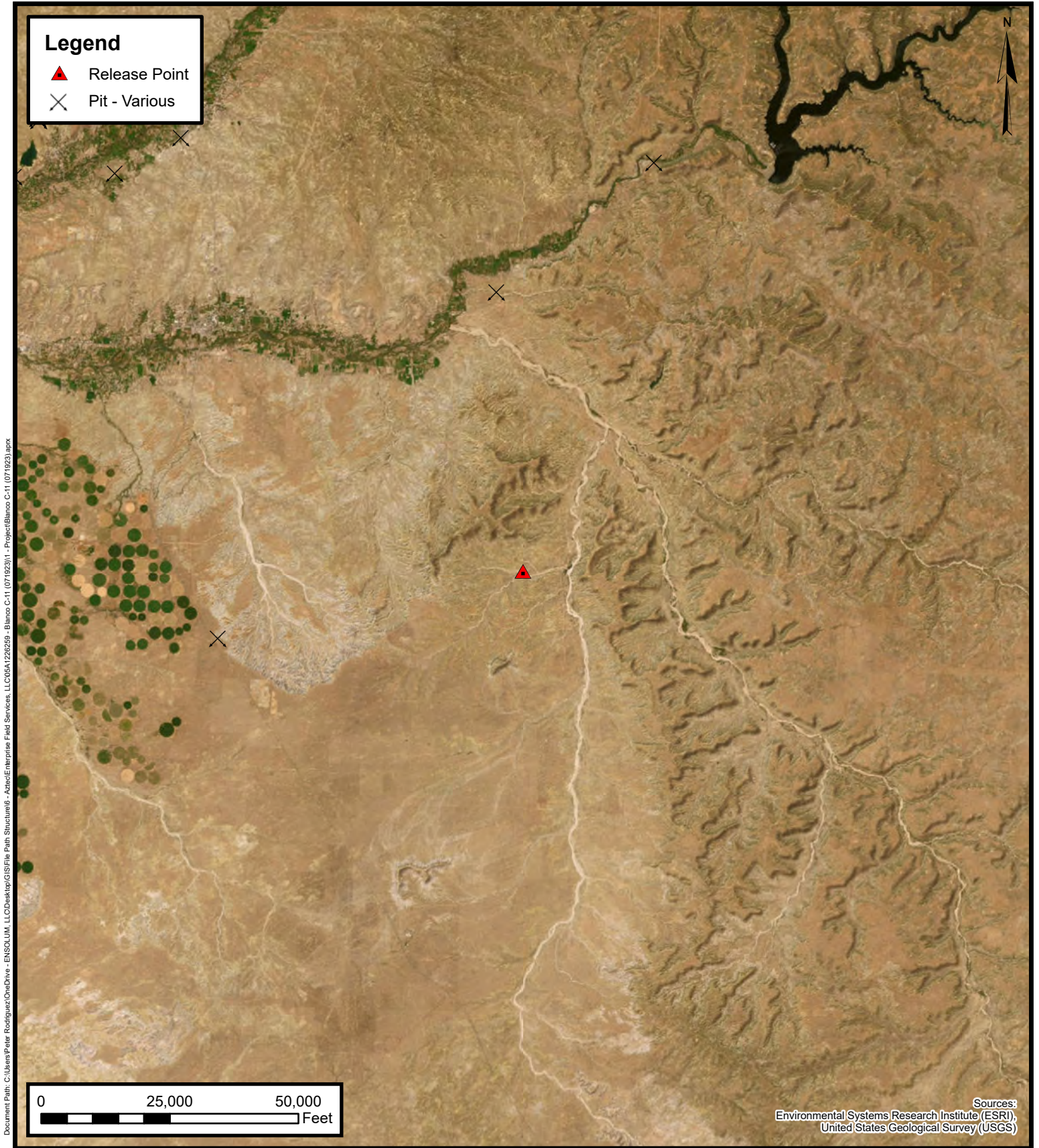
Enterprise Field Services, LLC
Blanco C-11 (07/19/23)

Project Number: 05A1226259

Unit Letter P, S10 T27N R9W, San Juan County, New Mexico
36.58641, -107.76835

FIGURE

F



Mines, Mills, and Quarries

Enterprise Field Services, LLC

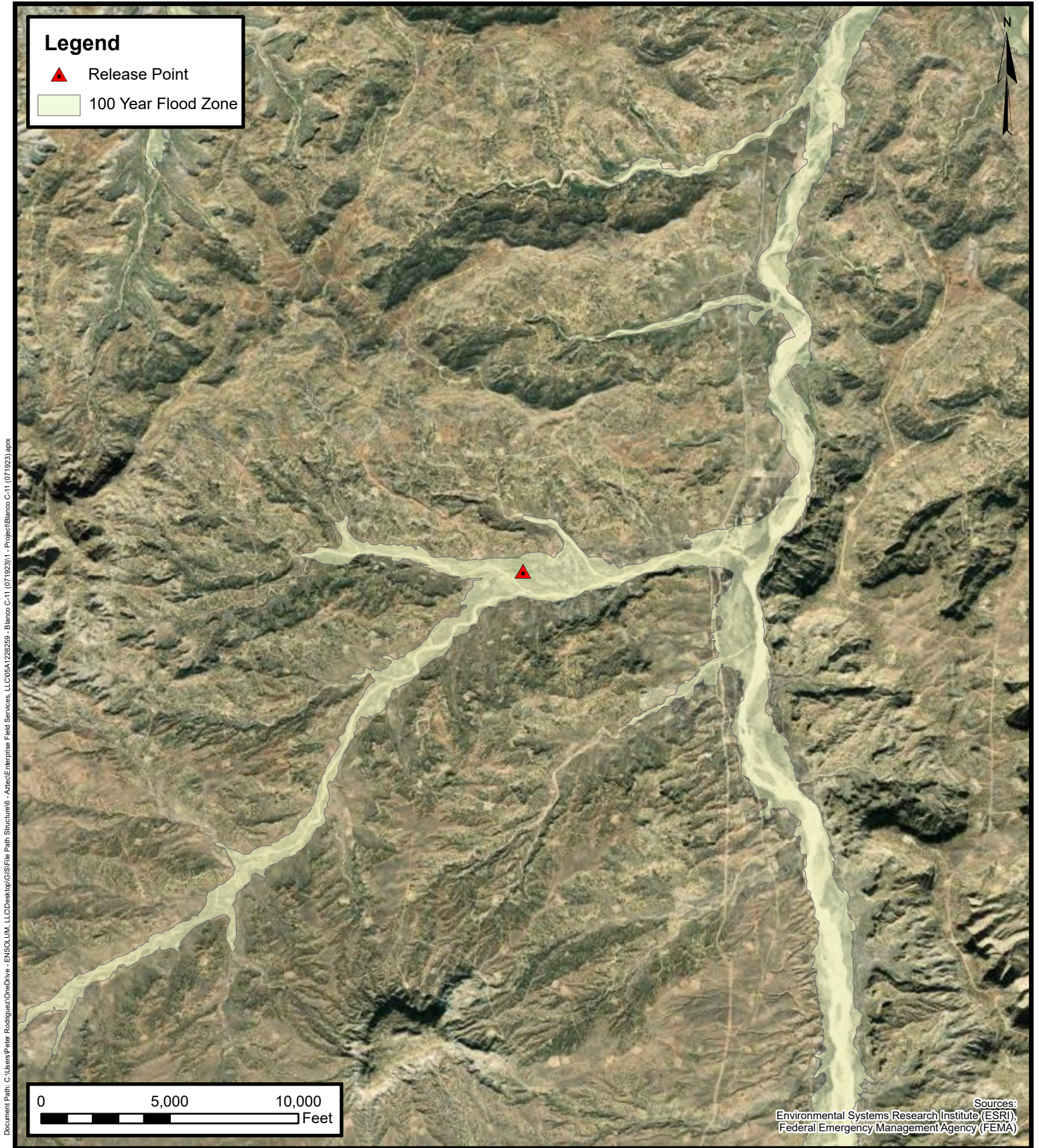
Blanco C-11 (07/19/23)

Project Number: 05A1226259

Unit Letter P, S10 T27N R9W, San Juan County, New Mexico
36.58641, -107.76835

FIGURE

G



100-Year Flood Plain Map

Enterprise Field Services, LLC

Blanco C-11 (07/19/23)

Project Number: 05A1226259

Unit Letter P, S10 T27N R9W, San Juan County, New Mexico
36.58641, -107.76835

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:** 09W

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.

10/13/23 9:08 AM

Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER

DATE: 5/9/96DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICOOperator Meridian Oil Inc. Location: Unit A Sec. 03 Twp 27 Rng 09Name of Well/Wells or Pipeline Serviced 30-045-06892Turner Hughes #15 And #19 30-045-21603Elevation 6192 Completion Date 5/9/96 Total Depth 435 Land Type FCasing Strings, Sizes, Types & Depths 5/8 Set 59' of 8" PVC CasingNO GAS, WATER, or Boulders Were Encountered During CasingIf Casing Strings are cemented, show amounts & types used Cemented
WITH 15 SACKSIf Cement or Bentonite Plugs have been placed, show depths & amounts used
NONEDepths & thickness of water zones with description of water: Fresh, Clear,
Salty, Sulphur, Etc. HIT FRESH WATER AT 180'Depths gas encountered: NONEGround bed depth with type & amount of coke breeze used: 435' Depth
Used 110 SACKS OF Asbury 218R (5500#)Depths anodes placed: 405, 395, 385, 375, 365, 355, 345, 335, 290, 280, 265, 240, 225, 215, + 195'Depths vent pipes placed: SURFACE TO 435'Vent pipe perforations: BOTTOM 300'

Remarks: _____

RECEIVED
FEB 19 1997OIL CON. DIV.
DIST. 3

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

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

CPS GROUND BED CONSTRUCTION WORKSHEET

CP# 2916-W P/L NAME(S): NUMBER(S): Turner Hughes #15 AND #19
 -O -2E22 TOTAL VOLTS 11.66 AMPS 33.0 - OHMS .353 DATE 5/9/94 NAME JOHN L. MOSS
 REMARKS (ADD FOR CONSTRUCTION LOG)

Driller Reported WATER AT 180'

INSTALLED 435' OF 1" PE VENT PIPE, WITH THE BOTTOM
 300' PERFORATED. COKE BREEZE TO 115'

DEPTH	LOG	ANODE	DEPTH	LOG	ANODE	DEPTH	LOG	ANODE	DEPTH	LOG	ANODE	
	ANODE	-		ANODE	-		ANODE	-		ANODE	-	
100			295	2.7		490			685			
105			300	3.4		495			690			
110			305	2.1		500			695			
115			310	2.2		505			700			
120			315	2.3		510						
125			320	2.0		515						
130	.8		325	2.4		520						
135	.7		330	2.1		525			1	405'	4.5	7.5
140	.6		335	3.5	8	530			2	395'	4.9	7.7
145	.5		340	3.7		535			3	285'	4.5	7.0
150	.7		345	3.7	7	540			4	275'	4.7	7.0
155	.8		350	4.1		545			5	275'	4.4	6.9
160	1.1		355	4.2	1	550			6	355'	4.5	7.0
165	1.3		360	4.2	1	555			7	345'	3.9	6.1
170	1.4		365	4.1	5	560			8	335'	3.7	5.6
175	1.4		370	4.0		565			9	290'	4.3	6.4
180	1.5		375	4.4	4	570			10	280'	4.2	6.6
185	.8		380	4.5		575			11	265'	3.8	6.0
190	2.8		385	4.2	3	580			12	240'	4.6	6.6
195	3.8	15	390	4.6		585			13	225'	4.5	7.0
200	2.6		395	4.9	2	590			14	215'	4.3	6.6
205	2.4		400	4.3		595			15	195'	3.9	5.8
210	2.6		405	4.3	1	600			16			
215	4.0	-14	410	4.1		605			17			
220	3.3		415	4.0		610			18			
225	4.0	-13	420	4.0		615			19			
230	4.4		425	4.1		620			20			
235	2.9		430	4.0	435	625			21			
240	4.7	-12	435			630			22			
245	2.4		440			635			23			
250	2.5		445			640			24			
255	4.5		450			645			25			
260	2.0		455			650			26			
265	2.0	-11	460			655			27			
270	2.0		465			660			28			
275	2.0		470			665			29			
280	2.0	-10	475			670			30			
285	2.0		480			675						
290	2.0	-9	485			680						

DISTRIBUTION - ORIGINAL - SEPARATE CDS FILE

DATE:

5/10/96DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICOOperator Meridian Oil Inc. Location: Unit G Sec. 17 Twp 28 Rng 28

Name of Well/Wells or Pipeline Serviced _____

TAPP #2Elevation 5818 Completion Date 5/10/96 Total Depth 395' Land Type PCasing Strings, Sizes, Types & Depths 5 1/2" SET 59' OF 8" PVC CASING.
NO GAS, WATER, OR BOULDERS WERE ENCOUNTERED DURING CASING.If Casing Strings are cemented, show amounts & types used Cemented
WITH 15 SACKS.If Cement or Bentonite Plugs have been placed, show depths & amounts used
NONEDepths & thickness of water zones with description of water: Fresh, Clear,
Salty, Sulphur, Etc. HIT FRESH WATER AT 100'.Depths gas encountered: NONEGround bed depth with type & amount of coke breeze used: 395' Depth.
Used 96 SACKS OF Asbury 218R (4800#)Depths anodes placed: 370', 360', 350', 340', 330', 320', 310', 300', 290', 280', 270', 260', 250', 240', + 230'.Depths vent pipes placed: SURFACE TO 395'.Vent pipe perforations: BOTTOM 260'.RECEIVED
FEB 1 9 1997

Remarks: _____

OIL CON. DIV.
DIST. 3

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

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

CPS GROUND BED CONSTRUCTION WORKSHEET

CPS# 2893-W P/L NAME(S): NUMBER(S): TAPP #2

-G 2FHG TOTAL VOLTS 11.59 AMPS 31.6 - CHMS .367 DATE 5/10/96 NAME JOHN L. MOSS

REMARKS (NOTES FOR CONSTRUCTION LOG) Driller Reported Water at 100'.
Installed 395' of 1" PE Vent Pipe, WITH THE BOTTOM
260' Perforated. COKE Breeze To 115'.

DEPTH	LOG	ANODE	DEPTH	LOG	ANODE	DEPTH	LOG	ANODE	DEPTH	LOG	ANODE
100			295	4.0		490			685		
105			300	3.5	8	495			690		
110			305	3.6		500			695		
115			310	3.9	7	505			700		
120			315	3.8		510					
125			320	3.6	6	515					
130	1.4		325	3.4		520					
135	1.4		330	3.1	5	525			1	370	3.3
140	1.7		335	4.1		530			2	360	4.4
145	3.0		340	4.0	4	535			3	350	3.6
150	1.9		345	3.6		540			4	340	4.4
155	1.4		350	2.4	3	545			5	330	3.3
160	1.1		355	4.2		550			6	320	3.8
165	1.2		360	2.9	2	555			7	310	4.1
170	1.1		365	2.6		560			8	300	3.9
175	2.1		370	2.3	1	565			9	290	4.3
180	2.4		375	2.7		570			10	280	4.3
185	2.0		380	1.7		575			11	270	3.6
190	1.5		385	1.3		580			12	260	4.3
195	2.7		390	1.1		585			13	250	4.0
200	2.9		395	T.D.	395'	590			14	240	4.3
205	2.7		400			595			15	230	4.1
210	2.0		405			600			16		
215	2.9		410			605			17		
220	3.4		415			610			18		
225	3.2		420			615			19		
230	4.0	15	425			620			20		
235	3.9		430			625			21		
240	4.3	14	435			630			22		
245	3.9		440			635			23		
250	3.8	13	445			640			24		
255	3.9		450			645			25		
260	4.0	12	455			650			26		
265	3.4		460			655			27		
270	3.5	11	465			660			28		
275	3.6		470			665			29		
280	4.0	10	475			670			30		
285	4.4		480			675					
290	3.9	9	485			680					

DISTRIBUTION - ORIGINAL - SEPARATE CPS FILE

#10A → 30-045-26533

TH #5 → 30-045-13284

3522

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 E Sec. 3 Twp 27 Rng 9Name of Well/Wells or Pipeline Serviced HUGHES #10A, TURNER HUGHES #5

cps 2024w

Elevation 6848' Completion Date 10/25/88 Total Depth 520' Land Type* N/ACasing, Sizes, Types & Depths N/AIf 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. 175'Depths gas encountered: N/AType & amount of coke breeze used: N/ADepths anodes placed: 485', 475', 465', 455', 445', 400', 390', 305', 215', 205'Depths vent pipes placed: 515'Vent pipe perforations: 360'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.

MERIDIAN OIL INC.

WELL CASING

CATHODIC PROTECTION CONSTRUCTION REPORT

DAILY LOG

Drilling Log (Attach Hereto) ☐

Completion Date 10/25/88

CPS #	Well Name, Line or Plant:	Work Order #	State:	Ins. Union Check
2024 W	Hughes #10A Turner Hughes #5	54312A 49474A	.75V 600' W .76V 600' W	<input checked="" type="checkbox"/> Good <input type="checkbox"/> Bad
Location:	Anode Size:	Anode Type:	Size But:	
E-3-27-9	2X60"	DUPON	6 3/4"	
Depth Drilled	Depth Logged	Drilling Rig Time	Total Lbs. Coke Used	Loss Circulation Mat'l Used
520'	515'			
Anode Depth				
# 1 485	# 2 475	# 3 465	# 4 455	# 5 445
# 6 400	# 7 390	# 8 305	# 9 215	# 10 2.05
Anode Output (Amps)				
# 1 3.8	# 2 3.6	# 3 4.4	# 4 4.5	# 5 4.8
# 6 3.7	# 7 4.1	# 8 3.8	# 9 3.4	# 10 3.6
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 11.8	Amps 21.4	Ohms .55		

Remarks: HIT DAMP SPOT AT 125', Air COMP. WOULD PRESSURE UP, BUT WOULD NOT
 BLOW ANYTHING TO THE TOP OF THE HOLE NEXT A.M. INSTALLED 515' of 1"
 P.V.C. VENT PIPE, PERFORATED 360'.

LAYED 1/2" FUEL LINE, IN WIRE DITCH.

G.B. 4170.00

Rectifier Size: T.E. 6. V A 7695.00
 Addn'l Depth 15' .750 112.50
 Depth Credit: 0
 Extra Cable: 380 .25 95.00
 Ditch & 1 Cable: 405' .75 303.75

Ditch & 2 Cable:
 25' Meter Pole: 0
 20' Meter Pole: 0
 10' Stub Pole: 0
 Junction Box: 1

249.00

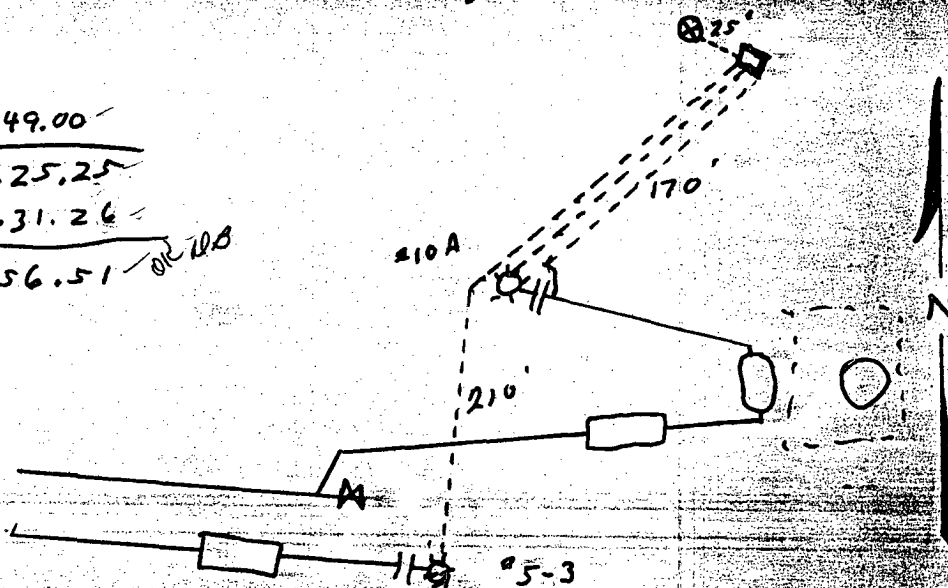
12625.25

TAX 631.26

TOTAL \$13256.51 OR 108

All Construction Completed

JE [Signature]
 (Signature)



D. CRASS DRILLING CO.

Drill No. 3

2024

DRILLER'S WELL LOG

S. P. No. Hughes #10A Date 10-25-88
Client Meridian Oil Co. Prospect _____
County SAN JUAN State New Mex.

If hole is a redrill or if moved from original staked position show distance
and direction moved: _____

FROM	TO	FORMATION — COLOR — HARDNESS
0	165	SANDSTONE
165	180	SAND ✓
180	225	SHALE
225	245	SANDSTONE
245	250	SHALE
250	260	SANDY SHALE
260	305	SANDSTONE
305	325	SHALE
325	375	SANDSTONE
375	420	SHALE
420	440	SANDSTONE
440	495	SHALE
495	520	SANDSTONE
Mud _____ Brn _____ Lme _____		

Rock Bit Number _____ Make _____

Remarks: Water @ 175'Driller RONNIE BROWN

#14 30-045-06864

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICOOperator Meridian Oil Inc. Location: Unit 4 Sec. 4 Twp 27 Rng 9Name of Well/Wells or Pipeline Serviced Turner Hughes #14Elevation Completion Date 6-22-95 Total Depth 378' Land Type SCasing Strings, Sizes, Types & Depths 4-25-95 - Set 100' of 8"PUC casing. No gas, water or boulders encountered during casing.If Casing Strings are cemented, show amounts & types used Cemented
with 18 sacksIf Cement or Bentonite Plugs have been placed, show depths & amounts used
NoneDepths & thickness of water zones with description of water: Fresh, Clear,
Salty, Sulphur, Etc. 130' - FreshDepths gas encountered: NoneGround bed depth with type & amount of coke breeze used: 378'
5000lbs AsburyDepths anodes placed: 1-365, 358, 351, 344, 337, 330, 280, 273, 245, 238, 237, 180, 173, 166, 158Depths vent pipes placed: Surface to 378'Vent pipe perforations: 100' - 378'Remarks: RECEIVED
JAN 11 1996OIL 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.

#14A 30-045-26382

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICOOperator Meridian Oil Inc. Location: Unit I Sec. 4 Twp 27 Rng 9Name of Well/Wells or Pipeline Serviced Turner Hughes #14AElevation — Completion Date 6/27/95 Total Depth 473' Land Type —Casing Strings, Sizes, Types & Depths 4-24-95- Set 100' of 8" PVC casing. No gas, water or boulders were encountered during casing.If Casing Strings are cemented, show amounts & types used Cemented with 18 sacksIf Cement or Bentonite Plugs have been placed, show depths & amounts used N/ADepths & thickness of water zones with description of water: Fresh, Clear, Salty, Sulphur, Etc. 120' - FreshDepths gas encountered: N/AGround bed depth with type & amount of coke breeze used: 473'
133 sacks Asbery 218RDepths anodes placed: 468, 450, 443, 436, 422, 415, 408, 401, 394, 387, 373, 365, 350, 140Depths vent pipes placed: 473'Vent pipe perforations: Bottom 325'Remarks: —RECEIVED
JAN 11 1996OIL 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.

16-30-045-11874
 2643W 13-30-045-06683
 10-30-045-06710

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

Operator Meridian Oil Location: Unit 11 Sec. 11 Twp 27 Rng 6

Name of Well/Wells or Pipeline Serviced Turner Hughes #16
#13 & #10

Elevation _____ Completion Date _____ Total Depth _____ Land Type _____

Casing Strings, Sizes, Types & Depths 99' of 8" PVC surface
CASING

If Casing Strings are cemented, show amounts & types used yes with
25 bags cement

If Cement or Bentonite Plugs have been placed, show depths & amounts used
No

Depths & thickness of water zones with description of water: Fresh, Clear,
 Salty, Sulphur, Etc. Damp 145' water 180'

Depths gas encountered: No

Ground bed depth with type & amount of coke breeze used: 474' with
6500 lbs Loresco Type SW

Depths anodes placed: 455, 445, 410, 340, 330, 300, 290, 280, 255, 245, 235, 225, 215, 205, 195

Depths vent pipes placed: 474'

Vent pipe perforations: bottom 320'

Remarks: _____

RECEIVED
 JAN 20 1995

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.

3523

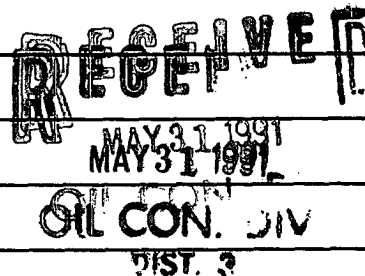
DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICO

(Submit 3 copies to OCD Aztec Office)

30-045-06530

Operator MERIDIAN OIL INC. Location: Unit L Sec. 14 Twp 27 Rng 9Name of Well/Wells or Pipeline Serviced MARSHALL #1

cps 2025w

Elevation 6257' Completion Date 10/26/88 Total Depth 460' Land Type* N/ACasing, Sizes, Types & Depths N/AIf Casing is cemented, show amounts & types used N/AIf Cement or Bentonite Plugs have been placed, show depths & amounts used
N/ADepths & thickness of water zones with description of water when possible:
Fresh, Clear, Salty, Sulphur, Etc. 150'Depths gas encountered: N/AType & amount of coke breeze used: N/ADepths anodes placed: 410', 402', 394', 386', 378', 370', 362', 354', 346', 335'Depths vent pipes placed: 450'Vent pipe perforations: 320'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.

FM-07-0238 (Rev. 10-82)

WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

COMP 10-27-88

Drilling Log (Attach Hereto) ☐

Completion Date 10/26/88

CPS #	Well Name, Line or Plant:	Work Order #	Static:	Ins. Union Check
2025W	MARSHALL #1	51613A	.78V 600' W	<input checked="" type="checkbox"/> Good <input type="checkbox"/> Bad
Location: L-14-27-9	Anode Size: 2" x 60"	Anode Type: DURATION	Size Bar: 6 3/4"	
Depth Drilled: 460	Depth Logged: 450	Drilling Rig Time	Total Lbs. Gels Used	Loss Circulation Mat'l Used
Anode Depth				
# 1 410	# 2 402	# 3 394	# 4 386	# 5 378
# 6 370	# 7 362	# 8 354	# 9 346	# 10 335
Anode Output (Amps)				
# 1 5.4	# 2 5.3	# 3 5.9	# 4 6.4	# 5 5.5
# 6 5.8	# 7 4.0	# 8 3.4	# 9 4.1	# 10 4.0
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 11.8	Amps 290	Ohms .55		

Remarks: WATER AT 150', TOOK WATER SAMPLE. INSTALLED 450' of 1" P.V.C. VENT pipe, Perforated 320'. COULD NOT GET ANY CUTTING OUT OF HOLE AFTER 300'.

Layed 1/2" Fuel Line in wire ditch.

G.B. \$4170.00

Rem. Size: T.R.G. V A 7695.00

Add'l Depth: 0
Depth Credit: -50' 3.50 -175.00 ✓
Extra Cable: 190' .25 47.50 ✓
Ditch & 1 Cable: 180' .75 135.00 ✓

Ditch & 2 Cable:
25' Meter Pole: 0
20' Meter Pole: 0
10' Stub Pole: 0
Junction Box: 1

249.00

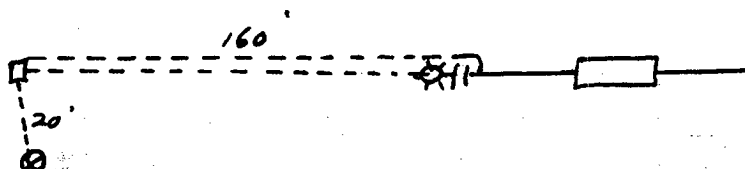
\$12121.50 ✓

TAX 606.08 ✓

TOTAL \$12727.58 OK 92

All Construction Completed

JE Delt
(Signature)



D. Crass DRILLING CO.Drill No. 3

2025

DRILLER'S WELL LOG

S. P. No. Marshall #1 Date 10-26-88
Client Meridian Oil Co. Prospect _____
County SAN JUAN State New Mex.

If hole is a redrill or if moved from original staked position show distance
and direction moved: _____

FROM	TO	FORMATION — COLOR — HARDNESS
0	90	SANDstone
90	135	Shale
135	155	SAND
155	165	SANDy shale
165	215	SANDstone
215	245	Shale
245	270	SANDstone
270	420	Shale
420	460	SANDstone

Mud _____ Brom _____ Lime _____

Rock Bit Number _____ Make _____

Remarks: Water @ 150'Driller Ronnie Brown



APPENDIX C

Executed C-138 Solid Waste Acceptance Form

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

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

Form C-138
Revised 08/01/11

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

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. Generator Name and Address:

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

PayKey: AM14058

PM: ME Eddleman

AFE: N66906

2. Originating Site:

Blanco C-11

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

UL P Section 10 T27N R9W; 36.58588 -107.76825


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) 538/35 yd³ / bbls

5. GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS

I, 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 , 10-2-2023, representative for Enterprise Products Operating authorizes Envirotech, Inc. to complete the required testing/sign the Generator Waste Testing Certification.

Generator Signature

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

5. Transporter: Riley Industrial/OFT 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:

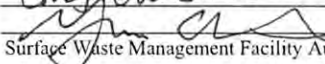
☐ Evaporation ☐ Injection ☐ Treating Plant ☒ Landfarm ☐ Landfill ☐ Other

Waste Acceptance Status:

☒ APPROVED

☐ DENIED (Must Be Maintained As Permanent Record)

PRINT NAME: Greg Crabtree

SIGNATURE: 

TITLE: Enviro Manager

TELEPHONE NO.:

DATE: 7/19/23

Surface Waste Management Facility Authorized Agent

505-632-0615



APPENDIX D

Photographic Documentation

SITE PHOTOGRAPHS

Closure Report
Enterprise Field Services, LLC
Blanco C-11 (07/19/23)
Ensolum Project No. 05A1226259

**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 (first sampling event).



SITE PHOTOGRAPHS

Closure Report
Enterprise Field Services, LLC
Blanco C-11 (07/19/23)
Ensolum Project No. 05A1226259

**Photograph 4**

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

**Photograph 5**

Photograph Description: View of the site after initial restoration.

**Photograph 6**

Photograph Description: View of the site after initial restoration.





APPENDIX E

Regulatory Correspondence

From: [Kyle Summers](#)
To: [Ranee Deechilly](#)
Subject: FW: Blanco C-11 - UL P Section 32 T31N R12W; 36.58641, -107.76835; NMOCD Incident # nAPP2320046214
Date: Friday, October 6, 2023 9:04:58 AM
Attachments: [image003.png](#)
[image004.png](#)
[image005.png](#)

**Kyle Summers**

Principal

903-821-5603

Ensolum, LLCin f 

From: nnepawq@frontiernet.net <nnepawq@frontiernet.net>
Sent: Friday, October 6, 2023 9:04 AM
To: 'Long, Thomas' <tjlong@eprod.com>
Cc: 'Stone, Brian' <bmstone@eprod.com>; Kyle Summers <ksummers@ensolum.com>; 'Velez, Nelson, EMNRD' <Nelson.Velez@state.nm.us>
Subject: RE: Blanco C-11 - UL P Section 32 T31N R12W; 36.58641, -107.76835; NMOCD Incident # nAPP2320046214

[**EXTERNAL EMAIL**]

Hi Tom,

Go ahead and proceed with the sampling today.

--Steve

Steve Austin
Senior Hydrologist
NNEPAWQ/NPDES Program
505-368-1037

From: Long, Thomas <tjlong@eprod.com>
Sent: Friday, October 6, 2023 8:19 AM
To: nnepawq@frontiernet.net
Cc: Stone, Brian <bmstone@eprod.com>; Kyle Summers <ksummers@ensolum.com>; 'Velez, Nelson, EMNRD' <Nelson.Velez@state.nm.us>
Subject: Blanco C-11 - UL P Section 32 T31N R12W; 36.58641, -107.76835; NMOCD Incident # nAPP2320046214

Steve,

The email is a 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 on today October 6, 2023 at the Blanco C-11 release site. Please acknowledge 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
Blanco C-11 (07/19/23)
SOIL ANALYTICAL SUMMARY

Sample I.D.	Date	Sample Type C- Composite G - Grab	Sample Depth (feet)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Total BTEX ¹ (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH MRO (mg/kg)	Total Combined TPH (GRO/DRO/MRO) ¹ (mg/kg)	Chloride (mg/kg)
New Mexico Energy, Mineral & Natural Resources Department Oil Conservation Division Closure Criteria (Tier I)				10	NE	NE	NE	50	NE	NE	NE	100	600
Composite Soil Samples Collected from Stockpiled Soils													
SP-1	10.12.23	C	Stockpile	<0.024	<0.049	<0.049	<0.097	ND	<4.9	18	<49	18	<60
Excavation Composite Soil Samples													
S-1	10.06.23	C	21	<0.019	<0.037	<0.037	<0.074	ND	<3.7	<9.5	<48	ND	<60
S-2	10.06.23	C	21	<0.017	<0.035	<0.035	<0.070	ND	<3.5	<9.5	<47	ND	<60
S-3	10.06.23	C	11 to 21	<0.018	<0.036	<0.036	<0.073	ND	<3.6	<9.6	<48	ND	<60
S-4	10.06.23	C	0 to 11	<0.018	<0.036	<0.036	<0.071	ND	<3.6	<9.3	<46	ND	<60
S-5	10.06.23	C	5 to 21	<0.017	<0.033	<0.033	<0.066	ND	<3.3	<9.6	<48	ND	<60
S-6	10.06.23	C	5 to 21	<0.015	<0.031	<0.031	<0.062	ND	<3.1	<9.6	<48	ND	<60
S-7	10.06.23	C	11 to 21	<0.016	<0.032	<0.032	<0.063	ND	<3.2	<9.3	<46	ND	<60
S-8	10.06.23	C	0 to 11	<0.016	<0.033	<0.033	<0.066	ND	<3.3	<9.2	<46	ND	<60
S-9	10.06.23	C	0 to 5	<0.017	<0.035	<0.035	<0.069	ND	<3.5	29	<48	29	<60
S-10	10.06.23	C	0 to 5	<0.017	<0.035	<0.035	<0.070	ND	<3.5	<9.9	<49	ND	<60
S-11	10.06.23	C	0 to 5	<0.017	<0.035	<0.035	<0.069	ND	<3.5	<9.2	<46	ND	<60
S-12	10.06.23	C	0 to 2.5	<0.017	<0.033	<0.033	<0.067	ND	<3.3	<9.1	<46	ND	<60
S-13	10.06.23	C	0 to 5	<0.016	<0.032	<0.032	<0.065	ND	3.5	45	<46	49	<60
S-14	10.12.23	C	20	<0.023	<0.047	<0.047	<0.094	ND	<4.7	<9.3	<47	ND	<61
S-15	10.12.23	C	20	<0.023	<0.047	<0.047	<0.094	ND	<4.7	<9.3	<46	ND	<60
S-16	10.12.23	C	10 to 20	<0.024	<0.048	<0.048	<0.097	ND	<4.8	10	<46	10	<59
S-17	10.12.23	C	0 to 10	<0.023	<0.047	<0.047	<0.094	ND	<4.7	<9.9	<50	ND	<60
S-18	10.12.23	C	0 to 20	<0.024	<0.047	<0.047	<0.094	ND	<4.7	<9.7	<49	ND	<60



TABLE 1
Blanco C-11 (07/19/23)
SOIL ANALYTICAL SUMMARY

Sample I.D.	Date	Sample Type C- Composite G - Grab	Sample Depth (feet)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Total BTEX ¹ (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH MRO (mg/kg)	Total Combined TPH (GRO/DRO/MRO) ¹ (mg/kg)	Chloride (mg/kg)
New Mexico Energy, Mineral & Natural Resources Department Oil Conservation Division Closure Criteria (Tier I)				10	NE	NE	NE	50	NE	NE	NE	100	600
S-19	10.12.23	C	0 to 20	<0.023	<0.047	<0.047	<0.093	ND	<4.7	<9.3	<47	ND	<60
S-20	10.12.23	C	10 to 20	<0.023	<0.046	<0.046	<0.093	ND	<4.6	<10	<50	ND	<60
S-21	10.12.23	C	0 to 10	<0.024	<0.048	<0.048	<0.096	ND	<4.8	<9.7	<48	ND	<60

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

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

NA = Not Analyzed

NE = Not established

mg/kg = milligrams per kilogram

BTEX = Benzene, Toluene, Ethylbenzene, and Xylenes

TPH = Total Petroleum Hydrocarbons

GRO = Gasoline Range Organics

DRO = Diesel Range Organics

MRO = Motor Oil/Lube Oil Range Organics



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 16, 2023

Kyle Summers

ENSOLUM

606 S. Rio Grande Suite A

Aztec, NM 87410

TEL: (903) 821-5603

FAX:

RE: Blanco C 11 July 2023

OrderNo.: 2310380

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 13 sample(s) on 10/7/2023 for the analyses presented in the following report.

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

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

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

Sincerely,

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

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order 2310380

Date Reported: 10/16/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-1

Project: Blanco C 11 July 2023

Collection Date: 10/6/2023 9:45:00 AM

Lab ID: 2310380-001

Matrix: SOIL

Received Date: 10/7/2023 7:23:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: KCB
Chloride	ND	60		mg/Kg	20	10/9/2023 11:05:56 AM	78024
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	10/9/2023 9:24:54 AM	78019
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/9/2023 9:24:54 AM	78019
Surr: DNOP	110	69-147		%Rec	1	10/9/2023 9:24:54 AM	78019
EPA METHOD 8015D: GASOLINE RANGE							Analyst: KMN
Gasoline Range Organics (GRO)	ND	3.7		mg/Kg	1	10/9/2023 9:57:00 AM	GS10031
Surr: BFB	101	15-244		%Rec	1	10/9/2023 9:57:00 AM	GS10031
EPA METHOD 8021B: VOLATILES							Analyst: KMN
Benzene	ND	0.019		mg/Kg	1	10/9/2023 9:57:00 AM	BS10031
Toluene	ND	0.037		mg/Kg	1	10/9/2023 9:57:00 AM	BS10031
Ethylbenzene	ND	0.037		mg/Kg	1	10/9/2023 9:57:00 AM	BS10031
Xylenes, Total	ND	0.074		mg/Kg	1	10/9/2023 9:57:00 AM	BS10031
Surr: 4-Bromofluorobenzene	86.4	39.1-146		%Rec	1	10/9/2023 9:57:00 AM	BS10031

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report

Lab Order 2310380

Date Reported: 10/16/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-2

Project: Blanco C 11 July 2023

Collection Date: 10/6/2023 9:50:00 AM

Lab ID: 2310380-002

Matrix: SOIL

Received Date: 10/7/2023 7:23:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: KCB
Chloride	ND	60		mg/Kg	20	10/9/2023 12:19:28 PM	78024
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	10/9/2023 9:35:27 AM	78019
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/9/2023 9:35:27 AM	78019
Surr: DNOP	111	69-147		%Rec	1	10/9/2023 9:35:27 AM	78019
EPA METHOD 8015D: GASOLINE RANGE							Analyst: KMN
Gasoline Range Organics (GRO)	ND	3.5		mg/Kg	1	10/9/2023 10:19:00 AM	GS10031
Surr: BFB	99.2	15-244		%Rec	1	10/9/2023 10:19:00 AM	GS10031
EPA METHOD 8021B: VOLATILES							Analyst: KMN
Benzene	ND	0.017		mg/Kg	1	10/9/2023 10:19:00 AM	BS10031
Toluene	ND	0.035		mg/Kg	1	10/9/2023 10:19:00 AM	BS10031
Ethylbenzene	ND	0.035		mg/Kg	1	10/9/2023 10:19:00 AM	BS10031
Xylenes, Total	ND	0.070		mg/Kg	1	10/9/2023 10:19:00 AM	BS10031
Surr: 4-Bromofluorobenzene	86.7	39.1-146		%Rec	1	10/9/2023 10:19:00 AM	BS10031

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report

Lab Order 2310380

Date Reported: 10/16/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-3

Project: Blanco C 11 July 2023

Collection Date: 10/6/2023 9:55:00 AM

Lab ID: 2310380-003

Matrix: SOIL

Received Date: 10/7/2023 7:23:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: KCB
Chloride	ND	60		mg/Kg	20	10/9/2023 12:56:41 PM	78024
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	10/9/2023 9:46:00 AM	78019
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/9/2023 9:46:00 AM	78019
Surr: DNOP	112	69-147		%Rec	1	10/9/2023 9:46:00 AM	78019
EPA METHOD 8015D: GASOLINE RANGE							Analyst: KMN
Gasoline Range Organics (GRO)	ND	3.6		mg/Kg	1	10/9/2023 10:40:00 AM	GS10031
Surr: BFB	97.1	15-244		%Rec	1	10/9/2023 10:40:00 AM	GS10031
EPA METHOD 8021B: VOLATILES							Analyst: KMN
Benzene	ND	0.018		mg/Kg	1	10/9/2023 10:40:00 AM	BS10031
Toluene	ND	0.036		mg/Kg	1	10/9/2023 10:40:00 AM	BS10031
Ethylbenzene	ND	0.036		mg/Kg	1	10/9/2023 10:40:00 AM	BS10031
Xylenes, Total	ND	0.073		mg/Kg	1	10/9/2023 10:40:00 AM	BS10031
Surr: 4-Bromofluorobenzene	87.5	39.1-146		%Rec	1	10/9/2023 10:40:00 AM	BS10031

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report

Lab Order 2310380

Date Reported: 10/16/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-4

Project: Blanco C 11 July 2023

Collection Date: 10/6/2023 10:00:00 AM

Lab ID: 2310380-004

Matrix: SOIL

Received Date: 10/7/2023 7:23:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: KCB
Chloride	ND	60		mg/Kg	20	10/9/2023 1:09:05 PM	78024
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	10/9/2023 9:56:34 AM	78019
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	10/9/2023 9:56:34 AM	78019
Surr: DNOP	115	69-147		%Rec	1	10/9/2023 9:56:34 AM	78019
EPA METHOD 8015D: GASOLINE RANGE							Analyst: KMN
Gasoline Range Organics (GRO)	ND	3.6		mg/Kg	1	10/9/2023 11:02:00 AM	GS10031
Surr: BFB	99.7	15-244		%Rec	1	10/9/2023 11:02:00 AM	GS10031
EPA METHOD 8021B: VOLATILES							Analyst: KMN
Benzene	ND	0.018		mg/Kg	1	10/9/2023 11:02:00 AM	BS10031
Toluene	ND	0.036		mg/Kg	1	10/9/2023 11:02:00 AM	BS10031
Ethylbenzene	ND	0.036		mg/Kg	1	10/9/2023 11:02:00 AM	BS10031
Xylenes, Total	ND	0.071		mg/Kg	1	10/9/2023 11:02:00 AM	BS10031
Surr: 4-Bromofluorobenzene	86.6	39.1-146		%Rec	1	10/9/2023 11:02:00 AM	BS10031

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report

Lab Order 2310380

Date Reported: 10/16/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-5

Project: Blanco C 11 July 2023

Collection Date: 10/6/2023 10:05:00 AM

Lab ID: 2310380-005

Matrix: SOIL

Received Date: 10/7/2023 7:23:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: KCB
Chloride	ND	60		mg/Kg	20	10/9/2023 1:46:19 PM	78024
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	10/9/2023 10:29:16 AM	78019
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/9/2023 10:29:16 AM	78019
Surr: DNOP	98.3	69-147		%Rec	1	10/9/2023 10:29:16 AM	78019
EPA METHOD 8015D: GASOLINE RANGE							Analyst: KMN
Gasoline Range Organics (GRO)	ND	3.3		mg/Kg	1	10/9/2023 11:36:00 AM	GS10031
Surr: BFB	102	15-244		%Rec	1	10/9/2023 11:36:00 AM	GS10031
EPA METHOD 8021B: VOLATILES							Analyst: KMN
Benzene	ND	0.017		mg/Kg	1	10/9/2023 11:36:00 AM	BS10031
Toluene	ND	0.033		mg/Kg	1	10/9/2023 11:36:00 AM	BS10031
Ethylbenzene	ND	0.033		mg/Kg	1	10/9/2023 11:36:00 AM	BS10031
Xylenes, Total	ND	0.066		mg/Kg	1	10/9/2023 11:36:00 AM	BS10031
Surr: 4-Bromofluorobenzene	92.3	39.1-146		%Rec	1	10/9/2023 11:36:00 AM	BS10031

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

CLIENT: ENSOLUM
Project: Blanco C 11 July 2023
Lab ID: 2310380-006

Matrix: SOIL

Client Sample ID: S-6
Collection Date: 10/6/2023 10:10:00 AM
Received Date: 10/7/2023 7:23:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: KCB
Chloride	ND	60		mg/Kg	20	10/9/2023 1:58:44 PM	78024
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	10/9/2023 10:39:49 AM	78019
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/9/2023 10:39:49 AM	78019
Surr: DNOP	98.9	69-147		%Rec	1	10/9/2023 10:39:49 AM	78019
EPA METHOD 8015D: GASOLINE RANGE							Analyst: KMN
Gasoline Range Organics (GRO)	ND	3.1		mg/Kg	1	10/9/2023 11:58:00 AM	GS10031
Surr: BFB	98.5	15-244		%Rec	1	10/9/2023 11:58:00 AM	GS10031
EPA METHOD 8021B: VOLATILES							Analyst: KMN
Benzene	ND	0.015		mg/Kg	1	10/9/2023 11:58:00 AM	BS10031
Toluene	ND	0.031		mg/Kg	1	10/9/2023 11:58:00 AM	BS10031
Ethylbenzene	ND	0.031		mg/Kg	1	10/9/2023 11:58:00 AM	BS10031
Xylenes, Total	ND	0.062		mg/Kg	1	10/9/2023 11:58:00 AM	BS10031
Surr: 4-Bromofluorobenzene	87.4	39.1-146		%Rec	1	10/9/2023 11:58:00 AM	BS10031

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report

Lab Order 2310380

Date Reported: 10/16/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-7

Project: Blanco C 11 July 2023

Collection Date: 10/6/2023 10:15:00 AM

Lab ID: 2310380-007

Matrix: SOIL

Received Date: 10/7/2023 7:23:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: KCB
Chloride	ND	60		mg/Kg	20	10/9/2023 2:11:08 PM	78024
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	10/9/2023 10:50:24 AM	78019
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	10/9/2023 10:50:24 AM	78019
Surr: DNOP	94.1	69-147		%Rec	1	10/9/2023 10:50:24 AM	78019
EPA METHOD 8015D: GASOLINE RANGE							Analyst: KMN
Gasoline Range Organics (GRO)	ND	3.2		mg/Kg	1	10/9/2023 12:20:00 PM	GS10031
Surr: BFB	97.2	15-244		%Rec	1	10/9/2023 12:20:00 PM	GS10031
EPA METHOD 8021B: VOLATILES							Analyst: KMN
Benzene	ND	0.016		mg/Kg	1	10/9/2023 12:20:00 PM	BS10031
Toluene	ND	0.032		mg/Kg	1	10/9/2023 12:20:00 PM	BS10031
Ethylbenzene	ND	0.032		mg/Kg	1	10/9/2023 12:20:00 PM	BS10031
Xylenes, Total	ND	0.063		mg/Kg	1	10/9/2023 12:20:00 PM	BS10031
Surr: 4-Bromofluorobenzene	86.6	39.1-146		%Rec	1	10/9/2023 12:20:00 PM	BS10031

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report

Lab Order 2310380

Date Reported: 10/16/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-8

Project: Blanco C 11 July 2023

Collection Date: 10/6/2023 10:20:00 AM

Lab ID: 2310380-008

Matrix: SOIL

Received Date: 10/7/2023 7:23:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: KCB
Chloride	ND	60		mg/Kg	20	10/9/2023 2:23:32 PM	78024
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	10/9/2023 11:00:59 AM	78019
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	10/9/2023 11:00:59 AM	78019
Surr: DNOP	98.2	69-147		%Rec	1	10/9/2023 11:00:59 AM	78019
EPA METHOD 8015D: GASOLINE RANGE							Analyst: KMN
Gasoline Range Organics (GRO)	ND	3.3		mg/Kg	1	10/9/2023 12:41:00 PM	GS10031
Surr: BFB	98.6	15-244		%Rec	1	10/9/2023 12:41:00 PM	GS10031
EPA METHOD 8021B: VOLATILES							Analyst: KMN
Benzene	ND	0.016		mg/Kg	1	10/9/2023 12:41:00 PM	BS10031
Toluene	ND	0.033		mg/Kg	1	10/9/2023 12:41:00 PM	BS10031
Ethylbenzene	ND	0.033		mg/Kg	1	10/9/2023 12:41:00 PM	BS10031
Xylenes, Total	ND	0.066		mg/Kg	1	10/9/2023 12:41:00 PM	BS10031
Surr: 4-Bromofluorobenzene	87.7	39.1-146		%Rec	1	10/9/2023 12:41:00 PM	BS10031

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report

Lab Order 2310380

Date Reported: 10/16/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-9

Project: Blanco C 11 July 2023

Collection Date: 10/6/2023 9:00:00 AM

Lab ID: 2310380-009

Matrix: SOIL

Received Date: 10/7/2023 7:23:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: KCB
Chloride	ND	60		mg/Kg	20	10/9/2023 2:35:56 PM	78024
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	29	9.6		mg/Kg	1	10/9/2023 11:11:38 AM	78019
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/9/2023 11:11:38 AM	78019
Surr: DNOP	108	69-147		%Rec	1	10/9/2023 11:11:38 AM	78019
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	3.5		mg/Kg	1	10/9/2023 11:54:52 AM	GS10031
Surr: BFB	95.4	15-244		%Rec	1	10/9/2023 11:54:52 AM	GS10031
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.017		mg/Kg	1	10/9/2023 11:54:52 AM	BS10031
Toluene	ND	0.035		mg/Kg	1	10/9/2023 11:54:52 AM	BS10031
Ethylbenzene	ND	0.035		mg/Kg	1	10/9/2023 11:54:52 AM	BS10031
Xylenes, Total	ND	0.069		mg/Kg	1	10/9/2023 11:54:52 AM	BS10031
Surr: 4-Bromofluorobenzene	96.9	39.1-146		%Rec	1	10/9/2023 11:54:52 AM	BS10031

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report

Lab Order 2310380

Date Reported: 10/16/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-10

Project: Blanco C 11 July 2023

Collection Date: 10/6/2023 9:05:00 AM

Lab ID: 2310380-010

Matrix: SOIL

Received Date: 10/7/2023 7:23:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: KCB
Chloride	ND	60		mg/Kg	20	10/9/2023 2:48:21 PM	78024
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	10/9/2023 11:22:15 AM	78019
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/9/2023 11:22:15 AM	78019
Surr: DNOP	100	69-147		%Rec	1	10/9/2023 11:22:15 AM	78019
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	3.5		mg/Kg	1	10/9/2023 12:41:54 PM	GS10031
Surr: BFB	92.3	15-244		%Rec	1	10/9/2023 12:41:54 PM	GS10031
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.017		mg/Kg	1	10/9/2023 12:41:54 PM	BS10031
Toluene	ND	0.035		mg/Kg	1	10/9/2023 12:41:54 PM	BS10031
Ethylbenzene	ND	0.035		mg/Kg	1	10/9/2023 12:41:54 PM	BS10031
Xylenes, Total	ND	0.070		mg/Kg	1	10/9/2023 12:41:54 PM	BS10031
Surr: 4-Bromofluorobenzene	98.5	39.1-146		%Rec	1	10/9/2023 12:41:54 PM	BS10031

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report

Lab Order 2310380

Date Reported: 10/16/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-11

Project: Blanco C 11 July 2023

Collection Date: 10/6/2023 9:10:00 AM

Lab ID: 2310380-011

Matrix: SOIL

Received Date: 10/7/2023 7:23:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: KCB
Chloride	ND	60		mg/Kg	20	10/9/2023 3:00:45 PM	78024
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	10/9/2023 11:32:54 AM	78019
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	10/9/2023 11:32:54 AM	78019
Surr: DNOP	97.6	69-147		%Rec	1	10/9/2023 11:32:54 AM	78019
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	3.5		mg/Kg	1	10/9/2023 1:05:14 PM	GS10031
Surr: BFB	89.4	15-244		%Rec	1	10/9/2023 1:05:14 PM	GS10031
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.017		mg/Kg	1	10/9/2023 1:05:14 PM	BS10031
Toluene	ND	0.035		mg/Kg	1	10/9/2023 1:05:14 PM	BS10031
Ethylbenzene	ND	0.035		mg/Kg	1	10/9/2023 1:05:14 PM	BS10031
Xylenes, Total	ND	0.069		mg/Kg	1	10/9/2023 1:05:14 PM	BS10031
Surr: 4-Bromofluorobenzene	97.7	39.1-146		%Rec	1	10/9/2023 1:05:14 PM	BS10031

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report

Lab Order 2310380

Date Reported: 10/16/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-12

Project: Blanco C 11 July 2023

Collection Date: 10/6/2023 9:15:00 AM

Lab ID: 2310380-012

Matrix: SOIL

Received Date: 10/7/2023 7:23:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: KCB
Chloride	ND	60		mg/Kg	20	10/9/2023 3:13:10 PM	78024
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	10/9/2023 11:43:32 AM	78019
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	10/9/2023 11:43:32 AM	78019
Surr: DNOP	99.4	69-147		%Rec	1	10/9/2023 11:43:32 AM	78019
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	3.3		mg/Kg	1	10/9/2023 1:28:38 PM	GS10031
Surr: BFB	116	15-244		%Rec	1	10/9/2023 1:28:38 PM	GS10031
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.017		mg/Kg	1	10/9/2023 1:28:38 PM	BS10031
Toluene	ND	0.033		mg/Kg	1	10/9/2023 1:28:38 PM	BS10031
Ethylbenzene	ND	0.033		mg/Kg	1	10/9/2023 1:28:38 PM	BS10031
Xylenes, Total	ND	0.067		mg/Kg	1	10/9/2023 1:28:38 PM	BS10031
Surr: 4-Bromofluorobenzene	128	39.1-146		%Rec	1	10/9/2023 1:28:38 PM	BS10031

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report

Lab Order 2310380

Date Reported: 10/16/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-13

Project: Blanco C 11 July 2023

Collection Date: 10/6/2023 9:20:00 AM

Lab ID: 2310380-013

Matrix: SOIL

Received Date: 10/7/2023 7:23:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: KCB
Chloride	ND	60		mg/Kg	20	10/9/2023 3:25:34 PM	78024
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	45	9.3		mg/Kg	1	10/9/2023 11:54:13 AM	78019
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	10/9/2023 11:54:13 AM	78019
Surr: DNOP	97.4	69-147		%Rec	1	10/9/2023 11:54:13 AM	78019
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	3.5	3.2		mg/Kg	1	10/9/2023 12:18:32 PM	GS10031
Surr: BFB	121	15-244		%Rec	1	10/9/2023 12:18:32 PM	GS10031
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.016		mg/Kg	1	10/9/2023 12:18:32 PM	BS10031
Toluene	ND	0.032		mg/Kg	1	10/9/2023 12:18:32 PM	BS10031
Ethylbenzene	ND	0.032		mg/Kg	1	10/9/2023 12:18:32 PM	BS10031
Xylenes, Total	ND	0.065		mg/Kg	1	10/9/2023 12:18:32 PM	BS10031
Surr: 4-Bromofluorobenzene	101	39.1-146		%Rec	1	10/9/2023 12:18:32 PM	BS10031

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2310380
16-Oct-23

Client: ENSOLUM

Project: Blanco C 11 July 2023

Sample ID: MB-78024		SampType: mblk		TestCode: EPA Method 300.0: Anions						
Client ID: PBS	Batch ID: 78024			RunNo: 100325						
Prep Date: 10/9/2023	Analysis Date: 10/9/2023			SeqNo: 3674555			Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-78024		SampType: lcs		TestCode: EPA Method 300.0: Anions						
Client ID: LCSS	Batch ID: 78024			RunNo: 100325						
Prep Date: 10/9/2023	Analysis Date: 10/9/2023			SeqNo: 3674556			Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	90.5	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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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

WO#: 2310380

16-Oct-23

Client: ENSOLUM**Project:** Blanco C 11 July 2023

Sample ID: 2310380-001AMS	SampType: MS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: S-1	Batch ID: 78019	RunNo: 100317								
Prep Date: 10/9/2023	Analysis Date: 10/9/2023	SeqNo: 3673653 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	9.3	46.34	0	99.2	54.2	135			
Surr: DNOP	4.2		4.634		91.5	69	147			

Sample ID: 2310380-001AMSD	SampType: MSD	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: S-1	Batch ID: 78019	RunNo: 100317								
Prep Date: 10/9/2023	Analysis Date: 10/9/2023	SeqNo: 3673654 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	9.3	46.38	0	102	54.2	135	2.70	29.2	
Surr: DNOP	4.4		4.638		94.6	69	147	0	0	

Sample ID: LCS-78017	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 78017	RunNo: 100317								
Prep Date: 10/6/2023	Analysis Date: 10/9/2023	SeqNo: 3673667 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.5		5.000		109	69	147			

Sample ID: LCS-78019	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 78019	RunNo: 100317								
Prep Date: 10/9/2023	Analysis Date: 10/9/2023	SeqNo: 3673668 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	10	50.00	0	97.2	61.9	130			
Surr: DNOP	4.6		5.000		92.6	69	147			

Sample ID: MB-78017	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 78017	RunNo: 100317								
Prep Date: 10/6/2023	Analysis Date: 10/9/2023	SeqNo: 3673669 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	11		10.00		107	69	147			

Sample ID: MB-78019	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 78019	RunNo: 100317								
Prep Date: 10/9/2023	Analysis Date: 10/9/2023	SeqNo: 3673670 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								

Qualifiers:

* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix	E Above Quantitation Range/Estimated Value
H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit	P Sample pH Not In Range
PQL Practical Quantitative Limit	RL Reporting Limit
S % Recovery outside of standard limits. If undiluted results may be estimated.	

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2310380

16-Oct-23

Client: ENSOLUM

Project: Blanco C 11 July 2023

Sample ID: MB-78019	SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 78019		RunNo: 100317							
Prep Date: 10/9/2023	Analysis Date: 10/9/2023		SeqNo: 3673670		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	10		10.00		103	69	147			

Sample ID: MB-78013	SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 78013		RunNo: 100341							
Prep Date: 10/6/2023	Analysis Date: 10/9/2023		SeqNo: 3675677		Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	12		10.00		120	69	147			

Sample ID: LCS-78013	SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 78013		RunNo: 100341							
Prep Date: 10/6/2023	Analysis Date: 10/9/2023		SeqNo: 3675678		Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.9		5.000		98.9	69	147			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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

WO#: 2310380

16-Oct-23

Client: ENSOLUM**Project:** Blanco C 11 July 2023

Sample ID: 2.5ug gro lcs	SampType: LCS			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: LCSS	Batch ID: GS100311			RunNo: 100311						
Prep Date:	Analysis Date: 10/9/2023			SeqNo: 3673501			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	99.1	70	130			
Surr: BFB	2000		1000		200	15	244			

Sample ID: mb	SampType: MBLK			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: PBS	Batch ID: GS100311			RunNo: 100311						
Prep Date:	Analysis Date: 10/9/2023			SeqNo: 3673502			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	910		1000		91.1	15	244			

Sample ID: 2.5ug gro lcs	SampType: LCS			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: LCSS	Batch ID: GS100314			RunNo: 100314						
Prep Date:	Analysis Date: 10/9/2023			SeqNo: 3673588			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	102	70	130			
Surr: BFB	2300		1000		225	15	244			

Sample ID: mb	SampType: MBLK			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: PBS	Batch ID: GS100314			RunNo: 100314						
Prep Date:	Analysis Date: 10/9/2023			SeqNo: 3673589			Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		103	15	244			

Sample ID: 2310380-001ams	SampType: MS			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: S-1	Batch ID: GS100314			RunNo: 100314						
Prep Date:	Analysis Date: 10/9/2023			SeqNo: 3674521			Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	20	3.7	18.53	0	106	70	130			
Surr: BFB	1600		741.3		220	15	244			

Sample ID: 2310380-001amsd	SampType: MSD			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: S-1	Batch ID: GS100314			RunNo: 100314						
Prep Date:	Analysis Date: 10/9/2023			SeqNo: 3674522			Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2310380

16-Oct-23

Client: ENSOLUM

Project: Blanco C 11 July 2023

Sample ID: 2310380-001amsd	SampType: MSD	TestCode: EPA Method 8015D: Gasoline Range
Client ID: S-1	Batch ID: GS100314	RunNo: 100314
Prep Date:	Analysis Date: 10/9/2023	SeqNo: 3674522 Units: mg/Kg
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Gasoline Range Organics (GRO)	18	3.7 18.53 0 99.8 70 130 5.99 20
Surr: BFB	1600	741.3 213 15 244 0 0

Sample ID: lcs-78004	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range
Client ID: LCSS	Batch ID: 78004	RunNo: 100314
Prep Date: 10/6/2023	Analysis Date: 10/9/2023	SeqNo: 3674525 Units: %Rec
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Surr: BFB	2200	1000 223 15 244

Sample ID: mb-78004	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range
Client ID: PBS	Batch ID: 78004	RunNo: 100314
Prep Date: 10/6/2023	Analysis Date: 10/9/2023	SeqNo: 3674526 Units: %Rec
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Surr: BFB	970	1000 96.8 15 244

Sample ID: lcs-78012	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range
Client ID: LCSS	Batch ID: 78012	RunNo: 100311
Prep Date: 10/6/2023	Analysis Date: 10/9/2023	SeqNo: 3674676 Units: %Rec
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Surr: BFB	2500	1000 251 15 244 S

Sample ID: mb-78012	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range
Client ID: PBS	Batch ID: 78012	RunNo: 100311
Prep Date: 10/6/2023	Analysis Date: 10/9/2023	SeqNo: 3674677 Units: %Rec
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Surr: BFB	1500	1000 147 15 244

Sample ID: 2310380-009ams	SampType: MS	TestCode: EPA Method 8015D: Gasoline Range
Client ID: S-9	Batch ID: GS100311	RunNo: 100311
Prep Date:	Analysis Date: 10/9/2023	SeqNo: 3674755 Units: mg/Kg
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Gasoline Range Organics (GRO)	18	3.5 17.25 0 105 70 130
Surr: BFB	1800	690.1 256 15 244 S

Qualifiers:

* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix	E Above Quantitation Range/Estimated Value
H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit	P Sample pH Not In Range
PQL Practical Quantitative Limit	RL Reporting Limit
S % Recovery outside of standard limits. If undiluted results may be estimated.	

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: 2310380
16-Oct-23

Client: ENSOLUM
Project: Blanco C 11 July 2023

Sample ID: 2310380-009amsd		SampType: MSD		TestCode: EPA Method 8015D: Gasoline Range						
Client ID: S-9		Batch ID: GS100311		RunNo: 100311						
Prep Date:		Analysis Date: 10/9/2023		SeqNo: 3674757		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	18	3.5	17.25	0	104	70	130	0.306	20	
Surr: BFB	1900		690.1		268	15	244	0	0	S

- Qualifiers:
- *

Value exceeds Maximum Contaminant Level.

D

Sample Diluted Due to Matrix

H

Holding times for preparation or analysis exceeded

ND

Not Detected at the Reporting Limit

PQL

Practical Quantitative Limit

S

% Recovery outside of standard limits. If undiluted results may be estimated.
- B

Analyte detected in the associated Method Blank

E

Above Quantitation Range/Estimated Value

J

Analyte detected below quantitation limits

P

Sample pH Not In Range

RL

Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2310380

16-Oct-23

Client: ENSOLUM

Project: Blanco C 11 July 2023

Sample ID: 100ng btex lcs	SampType: LCS		TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batch ID: BS100311		RunNo: 100311							
Prep Date:	Analysis Date: 10/9/2023		SeqNo: 3673508		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	100	70	130			
Toluene	1.0	0.050	1.000	0	102	70	130			
Ethylbenzene	1.0	0.050	1.000	0	103	70	130			
Xylenes, Total	3.1	0.10	3.000	0	103	70	130			
Surr: 4-Bromofluorobenzene	1.0		1.000		101	39.1	146			

Sample ID: mb	SampType: MBLK		TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batch ID: BS100311		RunNo: 100311							
Prep Date:	Analysis Date: 10/9/2023		SeqNo: 3673510		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	0.98		1.000		98.2	39.1	146			

Sample ID: 100ng btex lcs	SampType: LCS		TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batch ID: BS100314		RunNo: 100314							
Prep Date:	Analysis Date: 10/9/2023		SeqNo: 3673579		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.85	0.025	1.000	0	84.8	70	130			
Toluene	0.86	0.050	1.000	0	86.5	70	130			
Ethylbenzene	0.89	0.050	1.000	0	88.8	70	130			
Xylenes, Total	2.7	0.10	3.000	0	89.1	70	130			
Surr: 4-Bromofluorobenzene	0.94		1.000		94.4	39.1	146			

Sample ID: mb	SampType: MBLK		TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batch ID: BS100314		RunNo: 100314							
Prep Date:	Analysis Date: 10/9/2023		SeqNo: 3673580		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	0.89		1.000		89.0	39.1	146			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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

WO#: 2310380

16-Oct-23

Client: ENSOLUM**Project:** Blanco C 11 July 2023

Sample ID: 2310380-002ams	SampType: MS			TestCode: EPA Method 8021B: Volatiles						
Client ID: S-2	Batch ID: BS100314			RunNo: 100314						
Prep Date:	Analysis Date: 10/9/2023			SeqNo: 3674385			Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.61	0.017	0.6988	0	87.2	70	130			
Toluene	0.62	0.035	0.6988	0	89.2	70	130			
Ethylbenzene	0.63	0.035	0.6988	0	90.5	70	130			
Xylenes, Total	1.9	0.070	2.096	0	90.6	70	130			
Surr: 4-Bromofluorobenzene	0.60		0.6988		86.4	39.1	146			

Sample ID: 2310380-002amsd	SampType: MSD			TestCode: EPA Method 8021B: Volatiles						
Client ID: S-2	Batch ID: BS100314			RunNo: 100314						
Prep Date:	Analysis Date: 10/9/2023			SeqNo: 3674386			Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.60	0.017	0.6988	0	86.1	70	130	1.22	20	
Toluene	0.60	0.035	0.6988	0	86.3	70	130	3.26	20	
Ethylbenzene	0.62	0.035	0.6988	0	88.7	70	130	1.99	20	
Xylenes, Total	1.9	0.070	2.096	0	89.0	70	130	1.87	20	
Surr: 4-Bromofluorobenzene	0.59		0.6988		84.3	39.1	146	0	0	

Sample ID: lcs-78004	SampType: LCS			TestCode: EPA Method 8021B: Volatiles						
Client ID: LCSS	Batch ID: 78004			RunNo: 100314						
Prep Date: 10/6/2023	Analysis Date: 10/9/2023			SeqNo: 3674389			Units: %Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.87		1.000		87.1	39.1	146			

Sample ID: mb-78004	SampType: MBLK			TestCode: EPA Method 8021B: Volatiles						
Client ID: PBS	Batch ID: 78004			RunNo: 100314						
Prep Date: 10/6/2023	Analysis Date: 10/9/2023			SeqNo: 3674390			Units: %Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.85		1.000		85.5	39.1	146			

Sample ID: LCS-78012	SampType: LCS			TestCode: EPA Method 8021B: Volatiles						
Client ID: LCSS	Batch ID: 78012			RunNo: 100311						
Prep Date: 10/6/2023	Analysis Date: 10/9/2023			SeqNo: 3674833			Units: %Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.6		1.000		159	39.1	146			S

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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

WO#: 2310380

16-Oct-23

Client: ENSOLUM**Project:** Blanco C 11 July 2023

Sample ID: mb-78012	SampType: MBLK			TestCode: EPA Method 8021B: Volatiles						
Client ID: PBS	Batch ID: 78012			RunNo: 100311						
Prep Date: 10/6/2023	Analysis Date: 10/9/2023			SeqNo: 3674835	Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.6		1.000		158	39.1	146			S

Sample ID: 2310380-010ams	SampType: MS			TestCode: EPA Method 8021B: Volatiles						
Client ID: S-10	Batch ID: BS100311			RunNo: 100311						
Prep Date:	Analysis Date: 10/9/2023			SeqNo: 3674878	Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.68	0.017	0.6974	0	97.3	70	130			
Toluene	0.69	0.035	0.6974	0	99.6	70	130			
Ethylbenzene	0.70	0.035	0.6974	0	99.9	70	130			
Xylenes, Total	2.1	0.070	2.092	0	101	70	130			
Surr: 4-Bromofluorobenzene	0.95		0.6974		137	39.1	146			

Sample ID: 2310380-010amsd	SampType: MSD			TestCode: EPA Method 8021B: Volatiles						
Client ID: S-10	Batch ID: BS100311			RunNo: 100311						
Prep Date:	Analysis Date: 10/9/2023			SeqNo: 3674879	Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.65	0.017	0.6974	0	93.1	70	130	4.49	20	
Toluene	0.67	0.035	0.6974	0	95.5	70	130	4.14	20	
Ethylbenzene	0.68	0.035	0.6974	0	97.9	70	130	2.03	20	
Xylenes, Total	2.0	0.070	2.092	0	97.9	70	130	2.69	20	
Surr: 4-Bromofluorobenzene	1.1		0.6974		152	39.1	146	0	0	S

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		



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: 2310380

RcptNo: 1

Received By: Juan Rojas

10/7/2023 7:23:00 AM

Completed By: Juan Rojas

Reviewed By:

Chain of Custody

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

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°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 10/7/23

Special Handling (if applicable)

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

Person Notified: _____

Date: _____

By Whom: _____

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

Client missing phone number on COC. JR 10/7/23

17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	4.0	Good	Yes	Yogi		

Chain-of-Custody Record

Client: Ensolum, LLC

Mailing Address: 606 S. Rio Grande Suite A

Albuquerque, NM 87106

Phone #:

email or Fax#: ksummers@ensolum.com

QA/QC Package:

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

Cooler Temp (including CFI): 4.1-0.1 = 4.0 (°C)

of Coolers: 1

On Ice: ☒ Yes ☐ No

Sampler: R Deechilly

HEAL No. 2310380

Container Type and #

Preservative Type

Date

Time

Matrix

Sample Name

Date

Time

Matrix

Sample Name

Date

Time

Matrix

Sample Name

Date

Time

Matrix

Sample Name

Date

Time

Matrix

Sample Name

Date

Time

Matrix

Sample Name

☐ Standard ☒ Rush

Project Name:

Blanco C-11 (July 2023)

Project #:

see notes

Project Manager:

Ksummers

Sampler:

R Deechilly

On Ice:

☒ Yes ☐ No

of Coolers:

1

Cooler Temp (including CFI):

4.1-0.1 = 4.0 (°C)

Container Type and #

Preservative Type

Date

Time

Matrix

Sample Name

Date

Time

Matrix

Sample Name

Date

Time

Matrix

Sample Name

Date

Time

Matrix

Sample Name

Date

Time

Matrix

Sample Name

Date

Time

Matrix

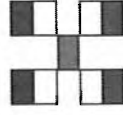
Sample Name

Date

Time

Matrix

Sample Name



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

BTEX / MTBE / TMBs (8021)

TPH:8015D(GRO / DRO / MRO)

8081 Pesticides/8082 PCBs

EDB (Method 504.1)

PAHs by 8310 or 8270SIMS

RCRA 8 Metals

Cl, F, Br, NO₃, NO₂, PO₄, SO₄

8260 (VOA)

8270 (Semi-VOA)

Total Coliform (Present/Absent)

Chloride

Remarks:

PM - Tom Low

Pay Key - R

Non AFE - 2

Received by: Via: Date Time

10/6/23 1608

Received by: Via: Date Time

10/6/23 1748

Relinquished by: Relinquished by: Date Time

10/6/23 1608

Relinquished by: Relinquished by: Date Time

10/6/23 1748

Chain-of-Custody Record

Client: Ensolium, LLC

Mailing Address: 6005 S. Rio Grande Suite A
Aztec, NM 87410

Phone #: _____

email or Fax#: ksymmer@ensolum.com

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)

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

Date	Time	Matrix	Sample Name
10/6/23	920	S	S-13

[illegible]

Date: 10/6/23	Time: 1608	Relinquished by: 
Date: 10/6/23	Time: 1748	Relinquished by: 

If necessary, samples submitted to Hall Environmental may be submitted to Imaging: 2/2/2024 3:27:02 PM


Turn-Around Time:	SAME-DAY
<input type="checkbox"/> Standard	<input checked="" type="checkbox"/> Rush
Project Name:	Blanco C-11 (July 2023)
Project #:	See notes

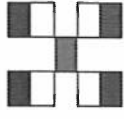
Project Manager:	Ksummers	
Sampler:	Beechilly	
On Ice:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
# of Coolers:	40	
Cooler Temp (including CF):	4.1-6.1 = 40 (°C)	

Container Type and #	Preservative Type	HEAL No.
1x4oz Jar	cool	2310380
		-013

[illegible]

Received by:	Via:	Date	Time
Cur-Was		10/23/08	

Received by:	Via:	Date	Time
	Currier	10/23/08	7:23



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

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

Remarks:

PM - Tom Long (EPD)
Day Key - RBathoo
NOM AFE - N 66906



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

October 18, 2023

Kyle Summers

ENSOLUM

606 S. Rio Grande Suite A

Aztec, NM 87410

TEL: (903) 821-5603

FAX:

RE: Blanco C 11 July 2023

OrderNo.: 2310672

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 8 sample(s) on 10/13/2023 for the analyses presented in the following report.

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

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

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

Sincerely,

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

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order 2310672

Date Reported: 10/18/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-14

Project: Blanco C 11 July 2023

Collection Date: 10/12/2023 12:30:00 PM

Lab ID: 2310672-001

Matrix: SOIL

Received Date: 10/13/2023 6:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	ND	61		mg/Kg	20	10/13/2023 11:26:56 AM	78149
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	10/13/2023 11:07:08 AM	78140
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/13/2023 11:07:08 AM	78140
Surr: DNOP	90.2	69-147		%Rec	1	10/13/2023 11:07:08 AM	78140
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/15/2023 5:51:34 PM	78143
Surr: BFB	90.3	15-244		%Rec	1	10/15/2023 5:51:34 PM	78143
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.023		mg/Kg	1	10/15/2023 5:51:34 PM	78143
Toluene	ND	0.047		mg/Kg	1	10/15/2023 5:51:34 PM	78143
Ethylbenzene	ND	0.047		mg/Kg	1	10/15/2023 5:51:34 PM	78143
Xylenes, Total	ND	0.094		mg/Kg	1	10/15/2023 5:51:34 PM	78143
Surr: 4-Bromofluorobenzene	99.5	39.1-146		%Rec	1	10/15/2023 5:51:34 PM	78143

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report

Lab Order 2310672

Date Reported: 10/18/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-15

Project: Blanco C 11 July 2023

Collection Date: 10/12/2023 12:35:00 PM

Lab ID: 2310672-002

Matrix: SOIL

Received Date: 10/13/2023 6:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	ND	60		mg/Kg	20	10/13/2023 11:39:16 AM	78149
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	10/13/2023 11:17:55 AM	78140
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	10/13/2023 11:17:55 AM	78140
Surr: DNOP	88.5	69-147		%Rec	1	10/13/2023 11:17:55 AM	78140
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/15/2023 6:15:14 PM	78143
Surr: BFB	91.6	15-244		%Rec	1	10/15/2023 6:15:14 PM	78143
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.023		mg/Kg	1	10/15/2023 6:15:14 PM	78143
Toluene	ND	0.047		mg/Kg	1	10/15/2023 6:15:14 PM	78143
Ethylbenzene	ND	0.047		mg/Kg	1	10/15/2023 6:15:14 PM	78143
Xylenes, Total	ND	0.094		mg/Kg	1	10/15/2023 6:15:14 PM	78143
Surr: 4-Bromofluorobenzene	100	39.1-146		%Rec	1	10/15/2023 6:15:14 PM	78143

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report

Lab Order 2310672

Date Reported: 10/18/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-16

Project: Blanco C 11 July 2023

Collection Date: 10/12/2023 12:40:00 PM

Lab ID: 2310672-003

Matrix: SOIL

Received Date: 10/13/2023 6:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	ND	59		mg/Kg	20	10/13/2023 12:16:18 PM	78149
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	10	9.2		mg/Kg	1	10/13/2023 11:28:41 AM	78140
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	10/13/2023 11:28:41 AM	78140
Surr: DNOP	90.0	69-147		%Rec	1	10/13/2023 11:28:41 AM	78140
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/15/2023 6:38:52 PM	78143
Surr: BFB	88.9	15-244		%Rec	1	10/15/2023 6:38:52 PM	78143
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	10/15/2023 6:38:52 PM	78143
Toluene	ND	0.048		mg/Kg	1	10/15/2023 6:38:52 PM	78143
Ethylbenzene	ND	0.048		mg/Kg	1	10/15/2023 6:38:52 PM	78143
Xylenes, Total	ND	0.097		mg/Kg	1	10/15/2023 6:38:52 PM	78143
Surr: 4-Bromofluorobenzene	98.2	39.1-146		%Rec	1	10/15/2023 6:38:52 PM	78143

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report

Lab Order 2310672

Date Reported: 10/18/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-17

Project: Blanco C 11 July 2023

Collection Date: 10/12/2023 12:45:00 PM

Lab ID: 2310672-004

Matrix: SOIL

Received Date: 10/13/2023 6:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	ND	60		mg/Kg	20	10/13/2023 12:28:38 PM	78149
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	10/13/2023 11:39:27 AM	78140
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	10/13/2023 11:39:27 AM	78140
Surr: DNOP	87.1	69-147		%Rec	1	10/13/2023 11:39:27 AM	78140
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/15/2023 7:02:25 PM	78143
Surr: BFB	88.2	15-244		%Rec	1	10/15/2023 7:02:25 PM	78143
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.023		mg/Kg	1	10/15/2023 7:02:25 PM	78143
Toluene	ND	0.047		mg/Kg	1	10/15/2023 7:02:25 PM	78143
Ethylbenzene	ND	0.047		mg/Kg	1	10/15/2023 7:02:25 PM	78143
Xylenes, Total	ND	0.094		mg/Kg	1	10/15/2023 7:02:25 PM	78143
Surr: 4-Bromofluorobenzene	96.3	39.1-146		%Rec	1	10/15/2023 7:02:25 PM	78143

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report

Lab Order 2310672

Date Reported: 10/18/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-18

Project: Blanco C 11 July 2023

Collection Date: 10/12/2023 12:50:00 PM

Lab ID: 2310672-005

Matrix: SOIL

Received Date: 10/13/2023 6:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	ND	60		mg/Kg	20	10/13/2023 12:40:59 PM	78149
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	10/13/2023 11:50:14 AM	78140
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/13/2023 11:50:14 AM	78140
Surr: DNOP	90.7	69-147		%Rec	1	10/13/2023 11:50:14 AM	78140
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/15/2023 7:25:50 PM	78143
Surr: BFB	91.0	15-244		%Rec	1	10/15/2023 7:25:50 PM	78143
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	10/15/2023 7:25:50 PM	78143
Toluene	ND	0.047		mg/Kg	1	10/15/2023 7:25:50 PM	78143
Ethylbenzene	ND	0.047		mg/Kg	1	10/15/2023 7:25:50 PM	78143
Xylenes, Total	ND	0.094		mg/Kg	1	10/15/2023 7:25:50 PM	78143
Surr: 4-Bromofluorobenzene	101	39.1-146		%Rec	1	10/15/2023 7:25:50 PM	78143

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report

Lab Order 2310672

Date Reported: 10/18/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-19

Project: Blanco C 11 July 2023

Collection Date: 10/12/2023 12:55:00 PM

Lab ID: 2310672-006

Matrix: SOIL

Received Date: 10/13/2023 6:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	ND	60		mg/Kg	20	10/13/2023 12:53:20 PM	78149
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	10/13/2023 12:00:57 PM	78140
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/13/2023 12:00:57 PM	78140
Surr: DNOP	94.8	69-147		%Rec	1	10/13/2023 12:00:57 PM	78140
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/15/2023 7:49:16 PM	78143
Surr: BFB	94.3	15-244		%Rec	1	10/15/2023 7:49:16 PM	78143
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.023		mg/Kg	1	10/15/2023 7:49:16 PM	78143
Toluene	ND	0.047		mg/Kg	1	10/15/2023 7:49:16 PM	78143
Ethylbenzene	ND	0.047		mg/Kg	1	10/15/2023 7:49:16 PM	78143
Xylenes, Total	ND	0.093		mg/Kg	1	10/15/2023 7:49:16 PM	78143
Surr: 4-Bromofluorobenzene	104	39.1-146		%Rec	1	10/15/2023 7:49:16 PM	78143

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report

Lab Order 2310672

Date Reported: 10/18/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-20

Project: Blanco C 11 July 2023

Collection Date: 10/12/2023 1:00:00 PM

Lab ID: 2310672-007

Matrix: SOIL

Received Date: 10/13/2023 6:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	ND	60		mg/Kg	20	10/13/2023 1:05:40 PM	78149
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	10/13/2023 12:11:41 PM	78140
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	10/13/2023 12:11:41 PM	78140
Surr: DNOP	94.3	69-147		%Rec	1	10/13/2023 12:11:41 PM	78140
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	10/15/2023 8:12:40 PM	78143
Surr: BFB	93.1	15-244		%Rec	1	10/15/2023 8:12:40 PM	78143
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.023		mg/Kg	1	10/15/2023 8:12:40 PM	78143
Toluene	ND	0.046		mg/Kg	1	10/15/2023 8:12:40 PM	78143
Ethylbenzene	ND	0.046		mg/Kg	1	10/15/2023 8:12:40 PM	78143
Xylenes, Total	ND	0.093		mg/Kg	1	10/15/2023 8:12:40 PM	78143
Surr: 4-Bromofluorobenzene	103	39.1-146		%Rec	1	10/15/2023 8:12:40 PM	78143

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

CLIENT: ENSOLUM
Project: Blanco C 11 July 2023
Lab ID: 2310672-008

Client Sample ID: S-21
Collection Date: 10/12/2023 1:05:00 PM
Received Date: 10/13/2023 6:30:00 AM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	ND	60		mg/Kg	20	10/13/2023 1:18:01 PM	78149
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	10/13/2023 12:22:24 PM	78140
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/13/2023 12:22:24 PM	78140
Surr: DNOP	86.0	69-147		%Rec	1	10/13/2023 12:22:24 PM	78140
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/15/2023 8:59:15 PM	78143
Surr: BFB	92.1	15-244		%Rec	1	10/15/2023 8:59:15 PM	78143
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	10/15/2023 8:59:15 PM	78143
Toluene	ND	0.048		mg/Kg	1	10/15/2023 8:59:15 PM	78143
Ethylbenzene	ND	0.048		mg/Kg	1	10/15/2023 8:59:15 PM	78143
Xylenes, Total	ND	0.096		mg/Kg	1	10/15/2023 8:59:15 PM	78143
Surr: 4-Bromofluorobenzene	102	39.1-146		%Rec	1	10/15/2023 8:59:15 PM	78143

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2310672
18-Oct-23

Client: ENSOLUM

Project: Blanco C 11 July 2023

Sample ID: MB-78149		SampType: MBLK		TestCode: EPA Method 300.0: Anions						
Client ID: PBS	Batch ID: 78149			RunNo: 100450						
Prep Date: 10/13/2023	Analysis Date: 10/13/2023			SeqNo: 3680466		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-78149		SampType: LCS		TestCode: EPA Method 300.0: Anions						
Client ID: LCSS	Batch ID: 78149			RunNo: 100450						
Prep Date: 10/13/2023	Analysis Date: 10/13/2023			SeqNo: 3680467		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.1	90	110			

Qualifiers:

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quantitative Limit

S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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

WO#: 2310672

18-Oct-23

Client: ENSOLUM**Project:** Blanco C 11 July 2023

Sample ID: MB-78140	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 78140	RunNo: 100447								
Prep Date: 10/13/2023	Analysis Date: 10/13/2023	SeqNo: 3680056			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.7		10.00		87.1	69	147			

Sample ID: LCS-78140	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 78140	RunNo: 100447								
Prep Date: 10/13/2023	Analysis Date: 10/13/2023	SeqNo: 3680057			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	10	50.00	0	94.2	61.9	130			
Surr: DNOP	3.9		5.000		78.3	69	147			

Sample ID: 2310672-008AMS	SampType: MS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: S-21	Batch ID: 78140	RunNo: 100445								
Prep Date: 10/13/2023	Analysis Date: 10/13/2023	SeqNo: 3681180			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43	9.8	48.78	0	87.7	54.2	135			
Surr: DNOP	4.1		4.878		84.9	69	147			

Sample ID: 2310672-008AMSD	SampType: MSD	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: S-21	Batch ID: 78140	RunNo: 100445								
Prep Date: 10/13/2023	Analysis Date: 10/13/2023	SeqNo: 3681181			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43	9.6	48.03	0	89.1	54.2	135	0.0751	29.2	
Surr: DNOP	4.1		4.803		85.0	69	147	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2310672

18-Oct-23

Client: ENSOLUM

Project: Blanco C 11 July 2023

Sample ID: lcs-78143	SampType: LCS			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: LCSS	Batch ID: 78143			RunNo: 100467						
Prep Date: 10/13/2023	Analysis Date: 10/15/2023			SeqNo: 3680750		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	92.1	70	130			
Surr: BFB	1900		1000		193	15	244			

Sample ID: mb-78143	SampType: MBLK			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: PBS	Batch ID: 78143			RunNo: 100467						
Prep Date: 10/13/2023	Analysis Date: 10/15/2023			SeqNo: 3680751		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		89.6	15	244			

Qualifiers:

*

Value exceeds Maximum Contaminant Level.

D

Sample Diluted Due to Matrix

H

Holding times for preparation or analysis exceeded

ND

Not Detected at the Reporting Limit

PQL

Practical Quantitative Limit

S

% Recovery outside of standard limits. If undiluted results may be estimated.

B

Analyte detected in the associated Method Blank

E

Above Quantitation Range/Estimated Value

J

Analyte detected below quantitation limits

P

Sample pH Not In Range

RL

Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2310672

18-Oct-23

Client: ENSOLUM

Project: Blanco C 11 July 2023

Sample ID: LCS-78143	SampType: LCS			TestCode: EPA Method 8021B: Volatiles						
Client ID: LCSS	Batch ID: 78143			RunNo: 100467						
Prep Date: 10/13/2023	Analysis Date: 10/15/2023			SeqNo: 3680817		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	99.6	70	130			
Toluene	1.0	0.050	1.000	0	101	70	130			
Ethylbenzene	1.0	0.050	1.000	0	101	70	130			
Xylenes, Total	3.1	0.10	3.000	0	102	70	130			
Surr: 4-Bromofluorobenzene	1.1		1.000		105	39.1	146			

Sample ID: mb-78143	SampType: MBLK			TestCode: EPA Method 8021B: Volatiles						
Client ID: PBS	Batch ID: 78143			RunNo: 100467						
Prep Date: 10/13/2023	Analysis Date: 10/15/2023			SeqNo: 3680818		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	0.99		1.000		99.3	39.1	146			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		



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: 2310672

RcptNo: 1

Received By: Tracy Casarrubias 10/13/2023 6:30:00 AM

Completed By: Tracy Casarrubias 10/13/2023 7:03:42 AM

Reviewed By: CMC 10/13/23

Chain of Custody

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

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes ☐ No ☐ NA ☒
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels? 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: TC 10/13/23

Special Handling (if applicable)

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

Person Notified: _____

Date: _____

By Whom: _____

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: Phone number is missing on COC0- TMC 10/13/23

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.5	Good	Yes	Yogi		



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

October 18, 2023

Kyle Summers

ENSOLUM

606 S. Rio Grande Suite A

Aztec, NM 87410

TEL: (903) 821-5603

FAX:

RE: Blanco C 11 July 2023

OrderNo.: 2310671

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 1 sample(s) on 10/13/2023 for the analyses presented in the following report.

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

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

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

Sincerely,

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

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order 2310671

Date Reported: 10/18/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: SP-1

Project: Blanco C 11 July 2023

Collection Date: 10/12/2023 1:10:00 PM

Lab ID: 2310671-001

Matrix: SOIL

Received Date: 10/13/2023 6:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	ND	60		mg/Kg	20	10/13/2023 11:14:35 AM	78149
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	18	9.7		mg/Kg	1	10/13/2023 10:56:22 AM	78140
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/13/2023 10:56:22 AM	78140
Surr: DNOP	97.3	69-147		%Rec	1	10/13/2023 10:56:22 AM	78140
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/15/2023 3:06:21 PM	78143
Surr: BFB	91.0	15-244		%Rec	1	10/15/2023 3:06:21 PM	78143
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	10/15/2023 3:06:21 PM	78143
Toluene	ND	0.049		mg/Kg	1	10/15/2023 3:06:21 PM	78143
Ethylbenzene	ND	0.049		mg/Kg	1	10/15/2023 3:06:21 PM	78143
Xylenes, Total	ND	0.097		mg/Kg	1	10/15/2023 3:06:21 PM	78143
Surr: 4-Bromofluorobenzene	100	39.1-146		%Rec	1	10/15/2023 3:06:21 PM	78143

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2310671
18-Oct-23

Client: ENSOLUM

Project: Blanco C 11 July 2023

Sample ID: MB-78149	SampType: MBLK			TestCode: EPA Method 300.0: Anions						
Client ID: PBS	Batch ID: 78149			RunNo: 100450						
Prep Date: 10/13/2023	Analysis Date: 10/13/2023			SeqNo: 3680466			Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-78149	SampType: LCS			TestCode: EPA Method 300.0: Anions						
Client ID: LCSS	Batch ID: 78149			RunNo: 100450						
Prep Date: 10/13/2023	Analysis Date: 10/13/2023			SeqNo: 3680467			Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.1	90	110			

Qualifiers:

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quantitative Limit

S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2310671
18-Oct-23

Client: ENSOLUM

Project: Blanco C 11 July 2023

Sample ID: MB-78140	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 78140	RunNo: 100447								
Prep Date: 10/13/2023	Analysis Date: 10/13/2023	SeqNo: 3680056	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.7		10.00		87.1	69	147			

Sample ID: LCS-78140	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 78140	RunNo: 100447								
Prep Date: 10/13/2023	Analysis Date: 10/13/2023	SeqNo: 3680057	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	10	50.00	0	94.2	61.9	130			
Surr: DNOP	3.9		5.000		78.3	69	147			

Qualifiers:

*

Value exceeds Maximum Contaminant Level.

D

Sample Diluted Due to Matrix

H

Holding times for preparation or analysis exceeded

ND

Not Detected at the Reporting Limit

PQL

Practical Quantitative Limit

S

% Recovery outside of standard limits. If undiluted results may be estimated.

B

Analyte detected in the associated Method Blank

E

Above Quantitation Range/Estimated Value

J

Analyte detected below quantitation limits

P

Sample pH Not In Range

RL

Reporting Limit

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

WO#: 2310671

18-Oct-23

Client: ENSOLUM**Project:** Blanco C 11 July 2023

Sample ID: ics-78143	SampType: LCS			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: LCSS	Batch ID: 78143			RunNo: 100467						
Prep Date: 10/13/2023	Analysis Date: 10/15/2023			SeqNo: 3680750		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	92.1	70	130			
Surr: BFB	1900		1000		193	15	244			

Sample ID: mb-78143	SampType: MBLK			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: PBS	Batch ID: 78143			RunNo: 100467						
Prep Date: 10/13/2023	Analysis Date: 10/15/2023			SeqNo: 3680751		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		89.6	15	244			

Sample ID: 2310671-001ams	SampType: MS			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: SP-1	Batch ID: 78143			RunNo: 100467						
Prep Date: 10/13/2023	Analysis Date: 10/15/2023			SeqNo: 3680766		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	4.9	24.37	0	91.6	70	130			
Surr: BFB	1900		974.7		192	15	244			

Sample ID: 2310671-001amsd	SampType: MSD			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: SP-1	Batch ID: 78143			RunNo: 100467						
Prep Date: 10/13/2023	Analysis Date: 10/15/2023			SeqNo: 3680767		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	4.8	24.22	0	93.3	70	130	1.23	20	
Surr: BFB	1900		969.0		192	15	244	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2310671

18-Oct-23

Client: ENSOLUM

Project: Blanco C 11 July 2023

Sample ID: LCS-78143	SampType: LCS			TestCode: EPA Method 8021B: Volatiles						
Client ID: LCSS	Batch ID: 78143			RunNo: 100467						
Prep Date: 10/13/2023	Analysis Date: 10/15/2023			SeqNo: 3680817		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	99.6	70	130			
Toluene	1.0	0.050	1.000	0	101	70	130			
Ethylbenzene	1.0	0.050	1.000	0	101	70	130			
Xylenes, Total	3.1	0.10	3.000	0	102	70	130			
Surr: 4-Bromofluorobenzene	1.1		1.000		105	39.1	146			

Sample ID: mb-78143	SampType: MBLK			TestCode: EPA Method 8021B: Volatiles						
Client ID: PBS	Batch ID: 78143			RunNo: 100467						
Prep Date: 10/13/2023	Analysis Date: 10/15/2023			SeqNo: 3680818		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	0.99		1.000		99.3	39.1	146			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		



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: 2310671

RcptNo: 1

Received By: Tracy Casarrubias 10/13/2023 6:30:00 AM

Completed By: Tracy Casarrubias 10/13/2023 6:59:20 AM

Reviewed By: *CMC* 10/13/23

Chain of Custody

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

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of $>0^{\circ}\text{C}$ 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: *7w 10/13/23*

Special Handling (if applicable)

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

Person Notified: _____

Date: _____

By Whom: _____

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: Phone number is missing on COC0- TMC 10/13/23

16. Additional remarks:

17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.5	Good	Yes	Yogi		

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 289366

CONDITIONS

Operator: Enterprise Field Services, LLC PO Box 4324 Houston, TX 77210	OGRID: 241602
	Action Number: 289366
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

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