ENSOLUM

DELINEATION REPORT and REMEDIATION PLAN

Property:

Blanco C-7 (January 2025)
Unit Letter A, S14 T26N R09W
San Juan County, New Mexico

New Mexico EMNRD OCD Incident ID No. NAPP2503043586

November 7, 2025 (Updated January 12, 2026)

Ensolum Project No. 05A1226362

Prepared for:

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1.0 INTRODUCTION

1.1 Site Description & Background

Operator:	Enterprise Field Services, LLC / Enterprise Products Operating LLC (Enterprise)
Site Name:	Blanco C-7 (Site)
NM EMNRD OCD Incident ID No.	NAPP2503043586
Location:	36.49199° North, 107.75149° West Unit Letter A, Section 14, Township 26 North, Range 09 West San Juan County, New Mexico
Property:	Bureau of Land Management (BLM)
Regulatory:	New Mexico (NM) Energy, Minerals and Natural Resources Department (EMNRD) Oil Conservation Division (OCD)

On January 27, 2025, a potential release of natural gas was identified from the Blanco C-7 pipeline. Enterprise subsequently isolated and locked the pipeline out of service. On January 30, 2025, Enterprise initiated activities to repair the pipeline and remediate potential petroleum hydrocarbon impact. Additionally, Enterprise determined the release was "reportable" and the NM EMNRD OCD was subsequently notified.

Previous Corrective Action Activities

Previous corrective action activities are presented in detail in the previously submitted *Corrective Action Report*, dated May 7, 2025 (Ensolum, LLC).

On January 30, 2024, Enterprise initiated activities to repair the pipeline and remediate petroleum hydrocarbon impact resulting from the release. During the remediation and corrective action activities, Sunland Construction, Inc. provided heavy equipment and labor support, while Ensolum, LLC (Ensolum) provided environmental consulting support.

The excavation measured approximately 25 feet long and 21 feet wide at the maximum extents. The maximum depth of the excavation measured approximately 21 feet bgs, with an approximate 501 ft^2 aerial footprint. The lithology encountered during the completion of remediation activities consisted primarily of unconsolidated silty sand and weathered shale/mudstone.

Approximately 542 cubic yards (yd^3) of petroleum hydrocarbon-affected soils and 72 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**. After being shut down for safety concerns, the excavation was backfilled with imported fill and then contoured to the surrounding grade.

Ensolum's excavation soil sampling program included the collection of 16 composite soil samples (S-1 through S-16) from the excavation and one composite soil sample (BF-1) from the backfill for laboratory analysis. The composite samples were comprised of five aliquots each and represent an estimated 200 square foot (ft^2) or less sample area per guidelines outlined in Section D of 19.15.29.12 New Mexico Administrative Code (NMAC). The excavator bucket and/or hand tools were utilized to obtain fresh aliquots from the excavation and backfill. Regulatory correspondence is provided in **Appendix E**.

A total of 17 composite soil samples were collected from the excavation and backfill. Based on laboratory analytical results, the upper four feet of the excavation and the sidewalls of the

excavation do not exhibit exceedances of the applicable NM EMNRD OCD closure criteria. However, final confirmation samples could not be obtained from the floor of the excavation on March 6, 2025, so vertical delineation was not complete. The excavation soil sample analytical results are included in **Table 1** and **Table 2** (**Appendix F**).

Ensolum recommended performing limited soil boring activities to further assess the excavation and allow the creation of a remediation plan, if necessary. Those results and activities are discussed herein.

Figure 3 is a map that identifies approximate excavation soil sample locations and depicts the approximate dimensions of the excavation with respect to the pipelines (**Appendix A**).

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 delineation activities and planned remediation activities is to further define the extent of petroleum hydrocarbon impact and to reduce constituent of concern (COC) concentrations in the on-site soils to below the applicable NM EMNRD OCD closure criteria and provide additional recommendations, if necessary.

2.0 CLOSURE CRITERIA AND RECEPTORS

The Site is subject to regulatory oversight by the NM EMNRD OCD. During the evaluation and remediation of the Site, Ensolum referenced NMAC 19.15.29 *Releases,* which establishes investigation and abatement action requirements for oil and gas release sites that are subject to reporting and/or corrective action. 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 and two PODs with recorded depths to water were identified in adjacent PLSS sections (**Figure A**, **Appendix B**). The closest POD (SJ-03811 POD 1) is approximately 0.34 miles northeast of the site and approximately 2 feet higher in elevation than the Site. The recorded depth to water (DTW) for this POD is 175 feet below grade surface (bgs) and it was installed in 2008. POD SJ-01756 is approximately 1.07 miles north of the site and approximately 104 feet lower in elevation than the Site. The recorded depth to water for this POD is 40 feet (bgs).

- Numerous cathodic protection wells (CPWs) were identified in the NM EMNRD OCD imaging database in the same or adjacent PLSS sections (**Figure B, Appendix B**). Documentation for the cathodic protection well located near the Ballard #13E production pad indicates a depth to water of 150 feet bgs. This cathodic protection well is located approximately 0.13 miles northwest of the Site and is approximately 4 feet lower in elevation than the Site. Documentation for the cathodic protection well located near the Huerfanito Unit #65 and #92 production pads indicates a depth to water of approximately 225 feet bgs. This cathodic

protection well is located approximately 0.51 miles northeast of the Site and is approximately 22 feet higher in elevation than the Site. Documentation for the cathodic protection well located near the Ballard #6 and #13 production pads indicates a depth to water of approximately 110 feet bgs. This cathodic protection well is located approximately 0.68 miles west-southwest of the Site and is approximately 20 feet lower in elevation than the Site.

- The Site is not located within 300 feet of a NM EMNRD OCD-defined continuously flowing watercourse or significant watercourse (**Figure C**, **Appendix B**).
- The Site is not located within 200 feet of a lakebed, sinkhole, or playa lake.
- The Site is not located within 300 feet of a permanent residence, school, hospital, institution, or church (**Figure D**, **Appendix B**).
- No springs, or private domestic freshwater wells used by less than five households for domestic or stock watering purposes were identified within 500 feet of the Site (**Figure E**, **Appendix B**).
- No freshwater wells or springs were identified within 1,000 feet of the Site (**Figure E**, **Appendix B**).
- The Site is not located within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to New Mexico Statutes Annotated (NMSA) 1978, Section 3-27-3.
- Based on information identified in the U.S. Fish & Wildlife Service National Wetlands Inventory Wetlands Mapper, the Site is not within 300 feet of a wetland (**Figure F**, **Appendix B**). The closest wetland is a freshwater pond located approximately 2,630 feet northeast of the Site.
- Based on information identified in the NM Mining and Minerals Division's Geographic Information System (GIS) Maps and Mine Data database, the Site is not within an area overlying a subsurface mine (**Figure G**, **Appendix B**).
- The Site is not located within an unstable area per Paragraph (6) of Subsection U of 19.15.2.7 NMAC.
- Based on information provided by the Federal Emergency Management Agency (FEMA) National Flood Hazard Layer (NFHL) geospatial database, the Site is not within a 100-year floodplain (**Figure H**, **Appendix B**).

Based on the siting criteria discussed above, notably the documented depths to water in the area, the Site warrants a Tier II or Tier III ranking. However, the soil requirements of NMAC 19.15.29.13(D)(1) indicate that a minimum of the upper four feet must contain "uncontaminated" soil and that the soils meet Tier I closure criteria listed in Table 1 of NMAC 19.15.29.12. Therefore, this report references the Tier I closure criteria for soils above four feet bgs and the Tier II closure criteria for soils below four feet bgs. The Tier I closure criteria for soils remaining in place above four feet bgs 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).

The Tier II closure criteria for the soils remaining in place below four feet bgs at the Site include:

Tier II Closure Criteria for Soils Impacted by a Release		
Constituent[1]	**Method**	**Limit**
Chloride	EPA 300.0 or SM4500 Cl B	10,000 mg/kg
TPH (GRO+DRO)[2]	EPA SW-846 Method 8015	1,000 mg/kg
TPH (GRO+DRO+MRO)[2]	EPA SW-846 Method 8015	2,500 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).

Geology/Hydrogeology

The Site is located within the Nacimiento Formation, which is part of the regional stratigraphy of the San Juan Basin. According to *Hydrogeology and Water Resources of San Juan Basin, New Mexico* (Stone et al., 1983), the Nacimiento Formation is composed of interbedded black carbonaceous mudstones and white, coarse-grained sandstones, with a reported thickness ranging from approximately 418 feet to 2,232 feet. The hydrogeologic properties of the Nacimiento Formation are highly variable and dependent on location. Where sufficient groundwater yield exists, the formation is typically utilized for domestic and livestock water supply. The Nacimiento Formation is underlain by the Ojo Alamo Sandstone (Stone et al., 1983).[1]

3.0 SOIL BORING DELINEATION ACTIVITIES

Earthworx Environmental, LLC (Earthworx) advanced eight Geoprobe® soil borings within and adjacent to the former excavation to evaluate conditions at and below the base of the former excavation and the north wall of the former excavation below four feet bgs. The borings were advanced to a depth of 24 feet bgs. The maximum depth of the former excavation was 21 feet bgs. The boring locations were somewhat restricted by the pipeline locations and the adjacent roadway (and the slope adjacent to the roadway).

[1] Stone, W., Lyford, F., Frenzel, P., Mizell, N., & Padgett, E. (1983). *Hydrogeology and Water Resources of San Juan Basin, New Mexico*. New Mexico Bureau of Mines & Mineral Resources.

4.0 SOIL BORING SAMPLING PROGRAM

Ensolum field screened the soil samples from the soil borings utilizing a calibrated photoionization detector (PID) fitted with a 10.6 eV lamp to guide excavation extents. The soil borings were continuously sampled utilizing a core barrel.

Ensolum's soil sampling program included the collection of 25 soil samples (SB01 through SB08 (at various depths)) from the soil borings for laboratory analysis. Regulatory correspondence is provided in **Appendix E**.

Soil Boring Sampling Event

On October 14, 2025, sampling was performed at the Site. The NM EMNRD OCD was notified of the sampling event although no representative was present during sampling activities. Three soil samples were collected from each soil borings (four from SB07) based on observations and PID readings.

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 Eurofins Environment Testing South Central, LLC (Eurofins) of Albuquerque, NM, under proper chain-of-custody procedures.

5.0 SOIL BORING 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 for the soil borings are summarized in **Table 2** (**Appendix F**). The laboratory data sheets and executed chain-of-custody forms for the soil borings are provided in **Appendix G**. The boring locations and cross sections of the area are presented on **Figure 4** and **Figure 5** in **Appendix A**.

6.0 SOIL BORING 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 soil boring samples to the applicable NM EMNRD OCD closure criteria. Due to the high PQLs/RLs associated with the TPH MRO results when using EPA SW-846 Method 8015, Ensolum only compares the quantified TPH results to the New Mexico EMNRD OCD closure criteria.

- The laboratory analytical result for the soil boring sample SB07 (20'-24') indicates a benzene concentration of 13 mg/kg which is above the NM EMNRD OCD closure criteria of 10 mg/kg. The laboratory analytical result for soil boring sample SB07 (24') indicates a benzene concentration of 0.050 mg/kg which is less than the NM EMNRD OCD closure criteria of 10 mg/kg. All other soil boring sample results from the Site indicate benzene concentrations are less than the laboratory PQLs/RLs, which are less than the NM EMNRD OCD closure criteria of 10 mg/kg.

- The laboratory analytical results for soil boring sample SB07 (20'-24') indicate a total BTEX concentration of 310 mg/kg which is above the NM EMNRD OCD closure criteria of 50 mg/kg. Analytical results for soil boring sample SB07 indicate a total BTEX concentration of 0.30

mg/kg which is less than the NM EMNRD OCD closure criteria of 50 mg/kg. The laboratory analytical results for the other soil boring intervals indicate that total BTEX concentrations are less than the laboratory PQLs/RLs, which are less than the NM EMNRD OCD closure criteria of 50 mg/kg.

- The laboratory analytical results for soil boring sample SB07 (20'-24') indicate a total combined TPH GRO/DRO concentration of 9,400 mg/kg which is above the NM EMNRD OCD Tier II closure criteria of 1,000 mg/kg. The laboratory analytical results for soil boring sample SB07 (16'-20') indicates a total combined TPH GRO/DRO concentration of 110 mg/kg which is less than the NM EMNRD OCD Tier II closure criteria of 1,000 mg/kg. The laboratory analytical results for the other soil boring intervals collected from soils below four feet bgs (and SB06 (0'-4')) are less than the laboratory PQLs / RLs, which are below the NM EMNRD OCD Tier I or Tier II closure criteria.

- The laboratory analytical results for soil boring sample SB07 (20'-24') indicate a total combined TPH GRO/DRO/MRO concentration of 11,000 mg/kg which is above the NM EMNRD OCD Tier II closure criteria of 2,500 mg/kg. The laboratory analytical results for soil boring sample SB07 (16'-20') indicate a total combined TPH GRO/DRO/MRO concentration of 110 mg/kg, which is below the NM EMNRD OCD Tier II closure criteria of 2,500 mg/kg. The laboratory analytical results for the other soil boring intervals indicate total combined TPH GRO/DRO/MRO concentrations are less than the laboratory PQLs / RLs, which are below the NM EMNRD OCD Tier I or Tier II closure criteria.

- The analytical results for the soil boring samples SB01 (20'-24'), SB02 (12'-16'), SB02 (20'-24'), SB04 (12'-16'), SB04 (20'-24'), and SB05 (20'-24') indicate chloride concentrations ranging from 53 mg/kg to 140 mg/kg which are less than the NM EMNRD OCD Tier II closure criteria of 10,000 mg/kg. The laboratory analytical results collected from the other soil boring intervals indicate that chloride concentrations are less than the laboratory PQLs / RLs, which are below the NM EMNRD OCD Tier I or Tier II closure criteria.

7.0 RECLAMATION

The previous excavation was backfilled with imported fill and then contoured to the surrounding grade. The backfill and the upper four feet of the excavation have been analytically verified to be below the Tier I soil standards of 50 mg/kg BTEX, 10 mg/kg benzene, 100 mg/kg total combined TPH, and 600 mg/kg Chloride. See **APPENDIX D** and **APPENDIX F** for further documentation.

8.0 REVEGETATION

Revegetation will be addressed in accordance with 19.15.29.13 NMAC utilizing the recommended seed mix as described in the Vegetation Community Descriptions and Seed Mixes provided by the BLM Farmington Field Office. In this case the surrounding vegetation appears to be predominantly of the Sagebrush Vegetation Community. Enterprise will reseed the area with the appropriate seed mix during the next favorable growing season. Enterprise will provide revegetation documentation under separate cover.

9.0 FINDINGS AND REMEDIATION PLAN

Findings

Seventeen composite soil samples were previously collected from the former excavation at the Site. Based on laboratory analytical results, soils remaining in place in the upper four feet of the excavation do not exhibit exceedances of the applicable NM EMNRD OCD Tier I closure criteria. Horizontal delineation appears complete for soils deeper than four feet based on NM EMNRD OCD Tier II closure criteria. However, final confirmation samples could not be obtained from the floor of the excavation, so vertical delineation was not complete.

During October 2025, a Geoprobe® was utilized to obtain additional samples in the vicinity of the release. The presence of a steeply sloped area and the adjacent road precluded obtaining additional samples to the west of the release. The previous west wall excavation samples did not exhibit exceedances, so it is unlikely that impact is present to the west of the former excavation.

Of the 25 soil boring samples collected, only one exceeded the NM EMNRD OCD Tier II closure criteria (SB07 (20'-24')). A soil sample was also collected immediately below the impacted sample, within the clay layer at 24 feet bgs (SB07 (24')), that did not exceed the NM EMNRD OCD Tier II closure criteria. Based on the field screening readings and the photograph provided in the photolog in **Appendix D**, it is highly likely that the bulk of the impact is sitting on top of the clay at about 20 feet bgs and the rest of the 20'-24' sample was just affected by petroleum liquid cross-contamination during sampling.

Remediation Plan

Based on water well and cathodic well documentation for the area, groundwater is greater than 100 feet bgs. Enterprise proposes to treat the remaining impact at the Site by injecting RegenOx® (or a similar oxidant that is safe to use around metal and subgrade utilities) into the target zone (between 18 and 24 feet bgs). Based on available information, the area of remaining impact appears to be relatively small, with an estimated maximum footprint of approximately 20 feet by 20 feet and a maximum thickness of approximately six feet (approximately 90 in-place cubic yards (although we suspect much of the estimated total thickness may be unaffected clay)).

Enterprise proposes to gain access to install one additional Geoprobe® soil boring in the unpaved road west of the release. The boring will be logged and sampled as described in Sections 3.0, 4.0, and 5.0 of this report as documented for the previous soil borings.

RegenOx® uses a solid alkaline oxidant that employs a sodium percarbonate complex with a multi-part catalytic formula. It directly oxidizes contaminants while its catalytic component generates a range of highly oxidizing free radicals that rapidly and effectively destroy a range of target contaminants including petroleum hydrocarbons. The safety data sheets for RegenOx® are provided in **Appendix I**.

The application is anticipated to consist of approximately 2,880 pounds of oxidant that is mixed with water over three injection events at one-to-two-week intervals. The anticipated injection strategy would be to inject the application at six points during each of the three events, spaced at approximately 8.5 feet apart, directly into the affected areas. The injections would be performed utilizing a Geoprobe® and a pump generating 20 to 50 pounds per square inch of pressure. The injection points would be offset by approximately 4.25 feet during alternating events to maximize coverage. Approximately four to six weeks after the final application, the soils can be retested.

10.0 STANDARDS OF CARE, LIMITATIONS, AND RELIANCE

10.1 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).

10.2 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.

10.3 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 this report and Ensolum's Master Services Agreement. The limitation of liability defined in the agreement is the aggregate limit of Ensolum's liability to the client.

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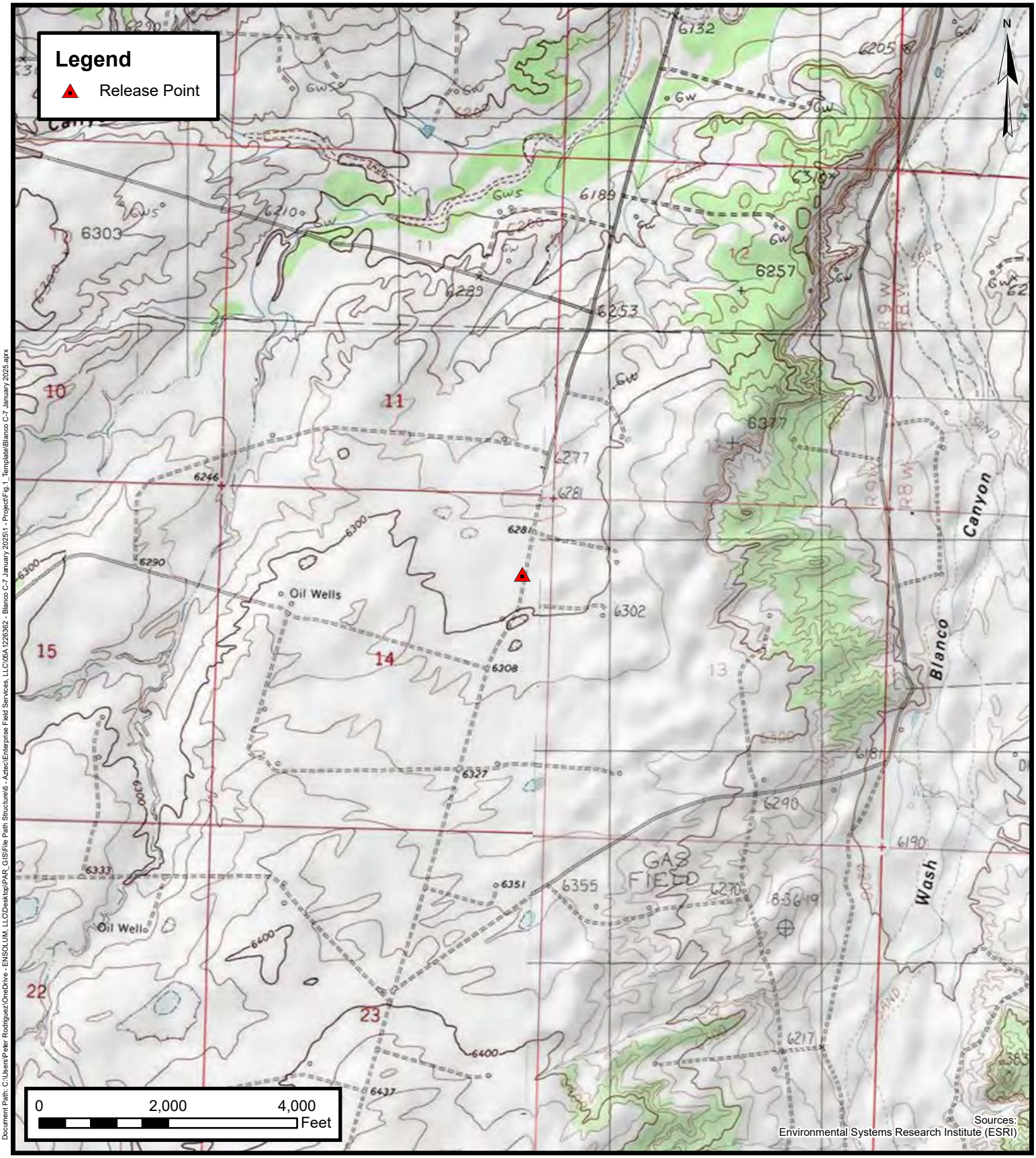
APPENDIX A

Figures



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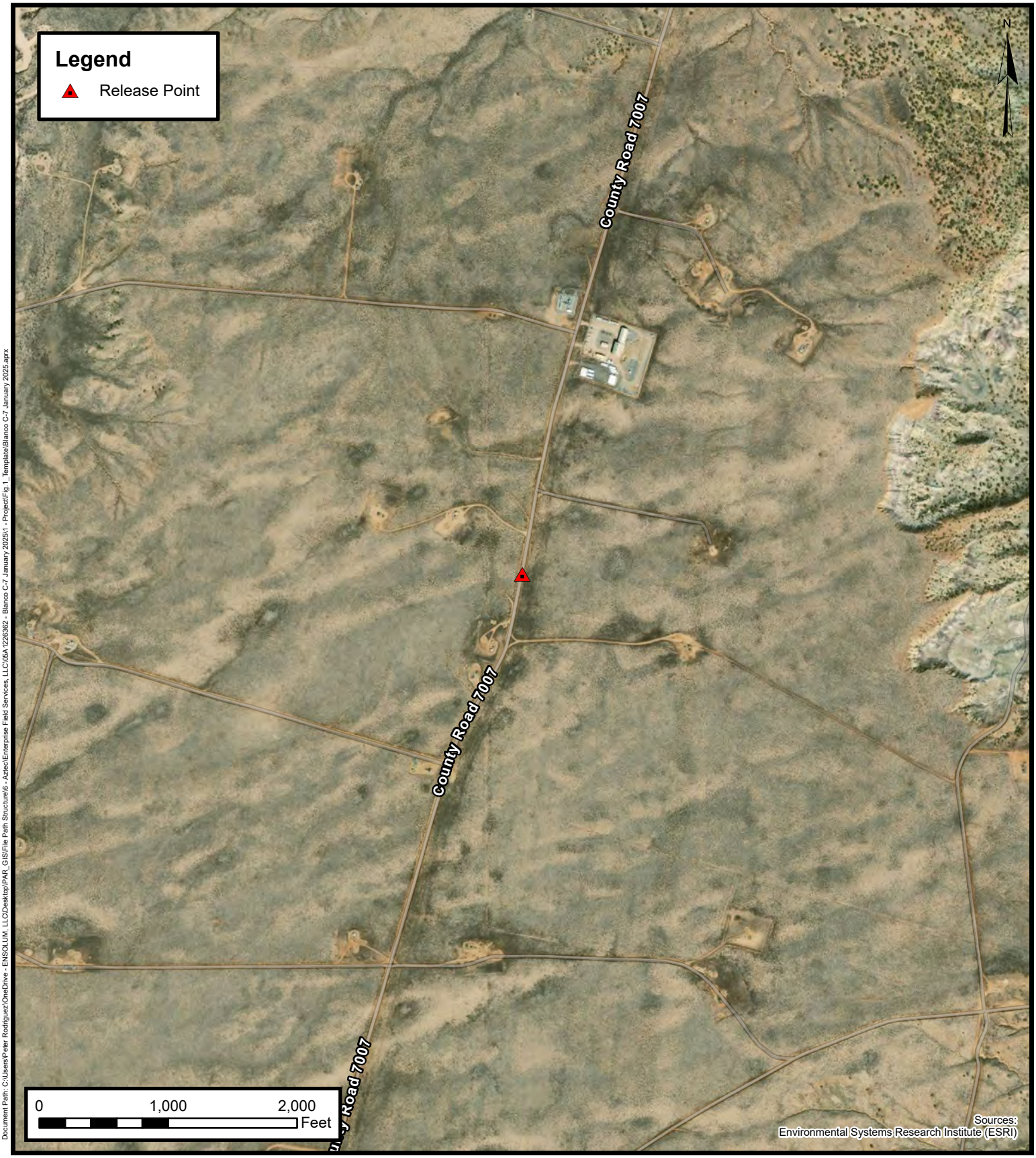
Topographic Map

Enterprise Field Services, LLC
Blanco C-7 (January 2025)
Project Number: 05A1226362
Unit Letter A, S14 T26N R9W, San Juan County, New Mexico
36.49199, -107.75149

FIGURE
1



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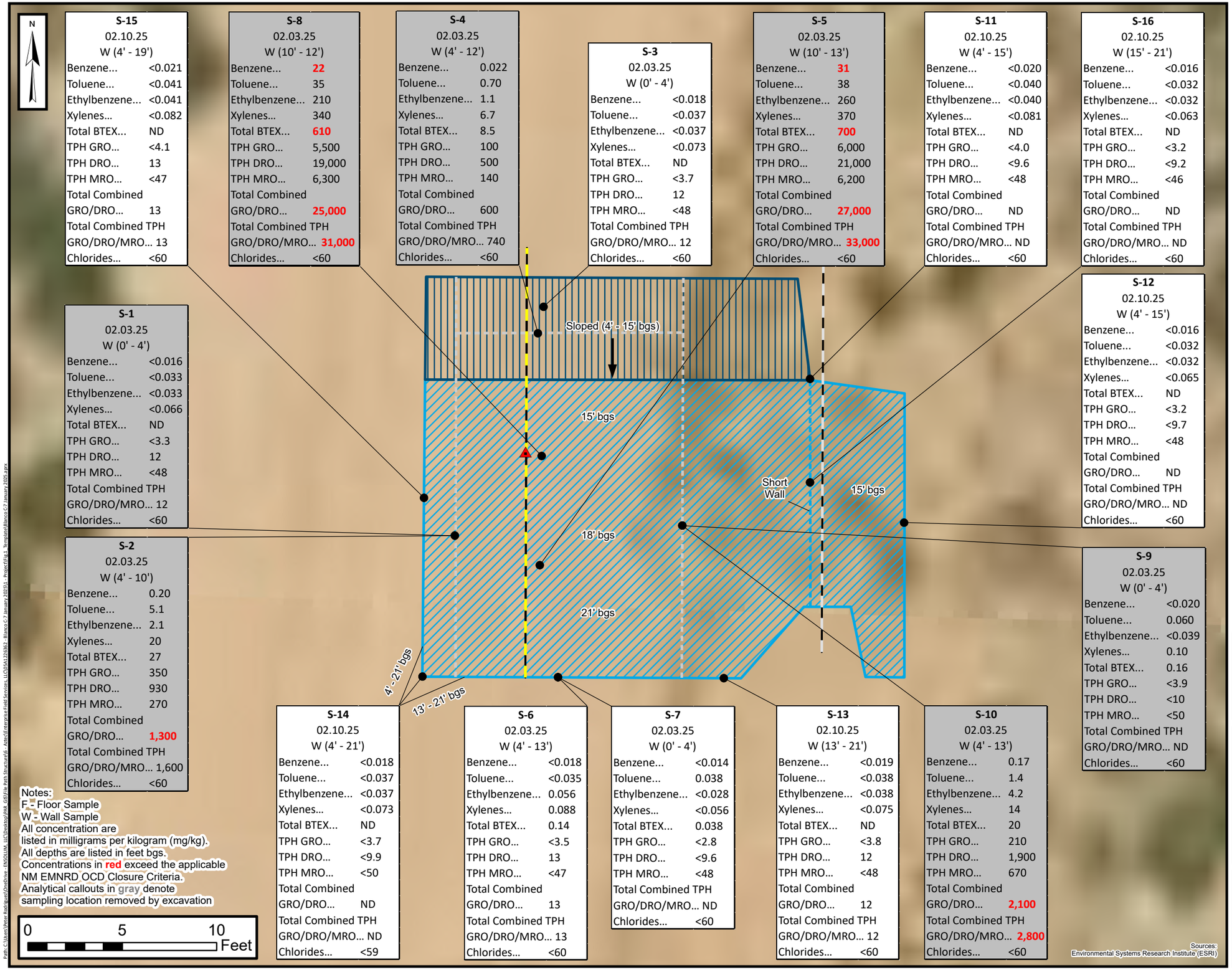
ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

Site Vicinity Map

Enterprise Field Services, LLC
Blanco C-7 (January 2025)
Project Number: 05A1226362
Unit Letter A, S14 T26N R9W, San Juan County, New Mexico
36.49199, -107.75149

FIGURE
2



S-15
02.10.25
W (4' - 19')

Benzene...	<0.021
Toluene...	<0.041
Ethylbenzene...	<0.041
Xylenes...	<0.082
Total BTEX...	ND
TPH GRO...	<4.1
TPH DRO...	13
TPH MRO...	<47
Total Combined GRO/DRO...	13
Total Combined TPH GRO/DRO/MRO...	13
Chlorides...	<60

S-8
02.03.25
W (10' - 12')

Benzene...	22
Toluene...	35
Ethylbenzene...	210
Xylenes...	340
Total BTEX...	610
TPH GRO...	5,500
TPH DRO...	19,000
TPH MRO...	6,300
Total Combined GRO/DRO...	25,000
Total Combined TPH GRO/DRO/MRO...	31,000
Chlorides...	<60

S-4
02.03.25
W (4' - 12')

Benzene...	0.022
Toluene...	0.70
Ethylbenzene...	1.1
Xylenes...	6.7
Total BTEX...	8.5
TPH GRO...	100
TPH DRO...	500
TPH MRO...	140
Total Combined GRO/DRO...	600
Total Combined TPH GRO/DRO/MRO...	740
Chlorides...	<60

S-3
02.03.25
W (0' - 4')

Benzene...	<0.018
Toluene...	<0.037
Ethylbenzene...	<0.037
Xylenes...	<0.073
Total BTEX...	ND
TPH GRO...	<3.7
TPH DRO...	12
TPH MRO...	<48
Total Combined TPH GRO/DRO/MRO...	12
Chlorides...	<60

S-5
02.03.25
W (10' - 13')

Benzene...	31
Toluene...	38
Ethylbenzene...	260
Xylenes...	370
Total BTEX...	700
TPH GRO...	6,000
TPH DRO...	21,000
TPH MRO...	6,200
Total Combined GRO/DRO...	27,000
Total Combined TPH GRO/DRO/MRO...	33,000
Chlorides...	<60

S-11
02.10.25
W (4' - 15')

Benzene...	<0.020
Toluene...	<0.040
Ethylbenzene...	<0.040
Xylenes...	<0.081
Total BTEX...	ND
TPH GRO...	<4.0
TPH DRO...	<9.6
TPH MRO...	<48
Total Combined GRO/DRO...	ND
Total Combined TPH GRO/DRO/MRO...	ND
Chlorides...	<60

S-16
02.10.25
W (15' - 21')

Benzene...	<0.016
Toluene...	<0.032
Ethylbenzene...	<0.032
Xylenes...	<0.063
Total BTEX...	ND
TPH GRO...	<3.2
TPH DRO...	<9.2
TPH MRO...	<46
Total Combined GRO/DRO...	ND
Total Combined TPH GRO/DRO/MRO...	ND
Chlorides...	<60

S-1
02.03.25
W (0' - 4')

Benzene...	<0.016
Toluene...	<0.033
Ethylbenzene...	<0.033
Xylenes...	<0.066
Total BTEX...	ND
TPH GRO...	<3.3
TPH DRO...	12
TPH MRO...	<48
Total Combined TPH GRO/DRO/MRO...	12
Chlorides...	<60

S-12
02.10.25
W (4' - 15')

Benzene...	<0.016
Toluene...	<0.032
Ethylbenzene...	<0.032
Xylenes...	<0.065
Total BTEX...	ND
TPH GRO...	<3.2
TPH DRO...	<9.7
TPH MRO...	<48
Total Combined GRO/DRO...	ND
Total Combined TPH GRO/DRO/MRO...	ND
Chlorides...	<60

S-2
02.03.25
W (4' - 10')

Benzene...	0.20
Toluene...	5.1
Ethylbenzene...	2.1
Xylenes...	20
Total BTEX...	27
TPH GRO...	350
TPH DRO...	930
TPH MRO...	270
Total Combined GRO/DRO...	1,300
Total Combined TPH GRO/DRO/MRO...	1,600
Chlorides...	<60

S-9
02.03.25
W (0' - 4')

Benzene...	<0.020
Toluene...	0.060
Ethylbenzene...	<0.039
Xylenes...	0.10
Total BTEX...	0.16
TPH GRO...	<3.9
TPH DRO...	<10
TPH MRO...	<50
Total Combined TPH GRO/DRO/MRO...	ND
Chlorides...	<60

S-14
02.10.25
W (4' - 21')

Benzene...	<0.018
Toluene...	<0.037
Ethylbenzene...	<0.037
Xylenes...	<0.073
Total BTEX...	ND
TPH GRO...	<3.7
TPH DRO...	<9.9
TPH MRO...	<50
Total Combined GRO/DRO...	ND
Total Combined TPH GRO/DRO/MRO...	ND
Chlorides...	<59

S-6
02.03.25
W (4' - 13')

Benzene...	<0.018
Toluene...	<0.035
Ethylbenzene...	0.056
Xylenes...	0.088
Total BTEX...	0.14
TPH GRO...	<3.5
TPH DRO...	13
TPH MRO...	<47
Total Combined GRO/DRO...	13
Total Combined TPH GRO/DRO/MRO...	13
Chlorides...	<60

S-7
02.03.25
W (0' - 4')

Benzene...	<0.014
Toluene...	0.038
Ethylbenzene...	<0.028
Xylenes...	<0.056
Total BTEX...	0.038
TPH GRO...	<2.8
TPH DRO...	<9.6
TPH MRO...	<48
Total Combined TPH GRO/DRO/MRO...	ND
Chlorides...	<60

S-13
02.10.25
W (13' - 21')

Benzene...	<0.019
Toluene...	<0.038
Ethylbenzene...	<0.038
Xylenes...	<0.075
Total BTEX...	ND
TPH GRO...	<3.8
TPH DRO...	12
TPH MRO...	<48
Total Combined GRO/DRO...	12
Total Combined TPH GRO/DRO/MRO...	12
Chlorides...	<60

S-10
02.03.25
W (4' - 13')

Benzene...	0.17
Toluene...	1.4
Ethylbenzene...	4.2
Xylenes...	14
Total BTEX...	20
TPH GRO...	210
TPH DRO...	1,900
TPH MRO...	670
Total Combined GRO/DRO...	2,100
Total Combined TPH GRO/DRO/MRO...	2,800
Chlorides...	<60

Notes:
F - Floor Sample
W - Wall Sample
All concentration are listed in milligrams per kilogram (mg/kg).
All depths are listed in feet bgs.
Concentrations in red exceed the applicable NM EMNRD OCD Closure Criteria.
Analytical callouts in gray denote sampling location removed by excavation

LEGEND

- Point of Release
- Composite Soil Sample Location
- Blanco C-7 Pipeline
- Pipeline
- Former Extent of Excavation
- Short Wall
- Slope Direction
- Excavation Extent
- Benched / Sloped Excavation Extent

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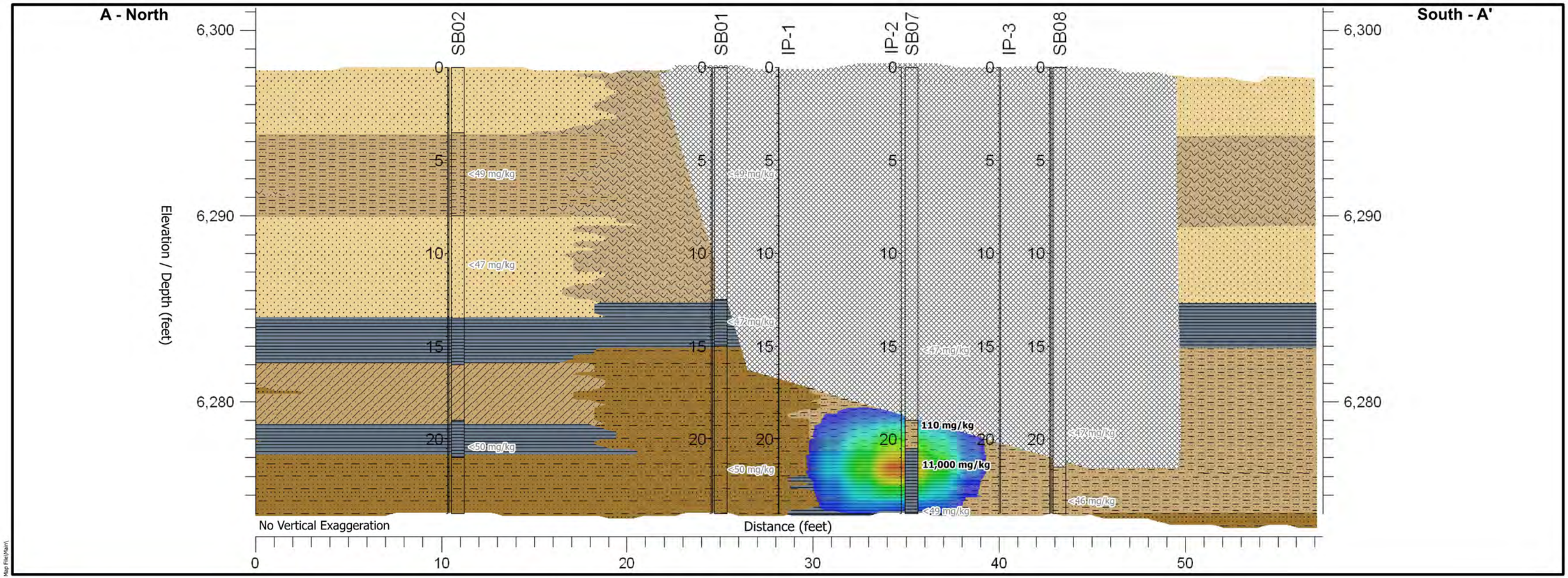
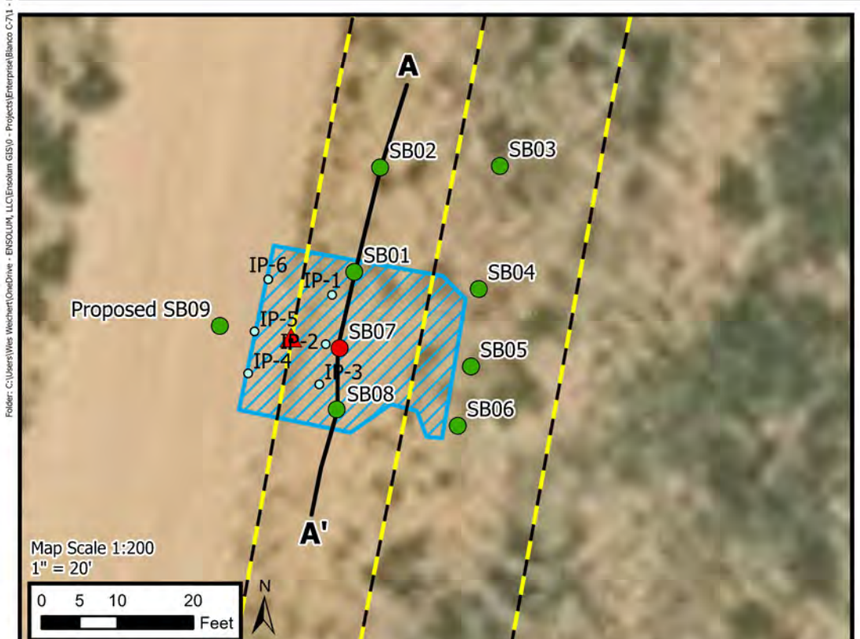
Site Map with Soil Analytical Results

Enterprise Field Services, LLC
Blanco C-7 (January 2025)
Unit Letter A, S14 T26N R9W
San Juan County, New Mexico
36.49199, -107.75149

Figure 3

Project Number: 05A1226362





Legend

- Excavation Extent
- Utilities
- Soil borehole compliant with Closure Criteria
- Soil borehole with concentrations exceeding Closure Criteria
- Point of Release
- Approximate Initial injection points

Total Petroleum Hydrocarbons

10,000 mg/kg
5,000 mg/kg
100 mg/kg

Lithology

- Clay
- Silt
- Clayey Sand
- Silty Sand
- Poorly Graded Sand
- Poorly Graded Sand and Clay
- Poorly Graded Sand to Clayey Sand
- Poorly Graded Sand to Silty Sand
- Excavation Backfill (Silty Sand)

141 mg/kg Total Petroleum Hydrocarbon Concentration in milligrams per kilogram

Cross Section A-A' with Interpolated TPH Plume

Enterprise Field Services, LLC
Blanco C-7 (January 2025)
Unit A S14 T26N R9W
San Juan County, New Mexico
36.49199, -107.75149

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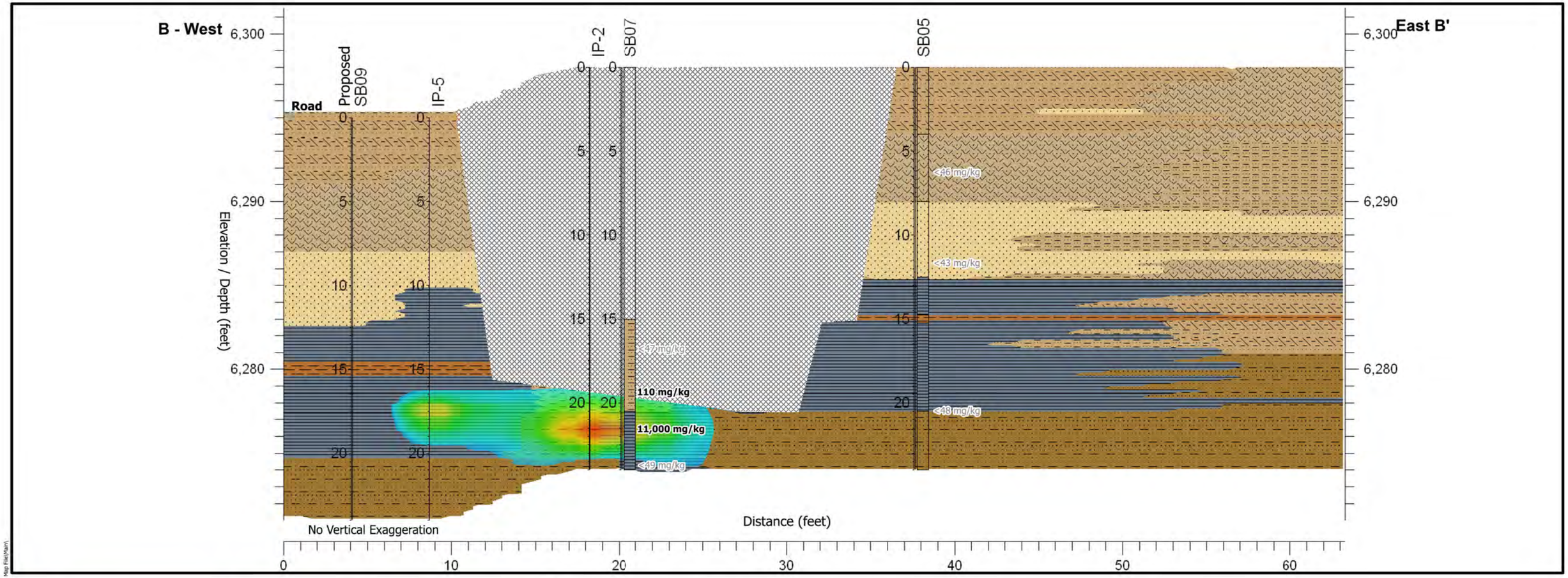
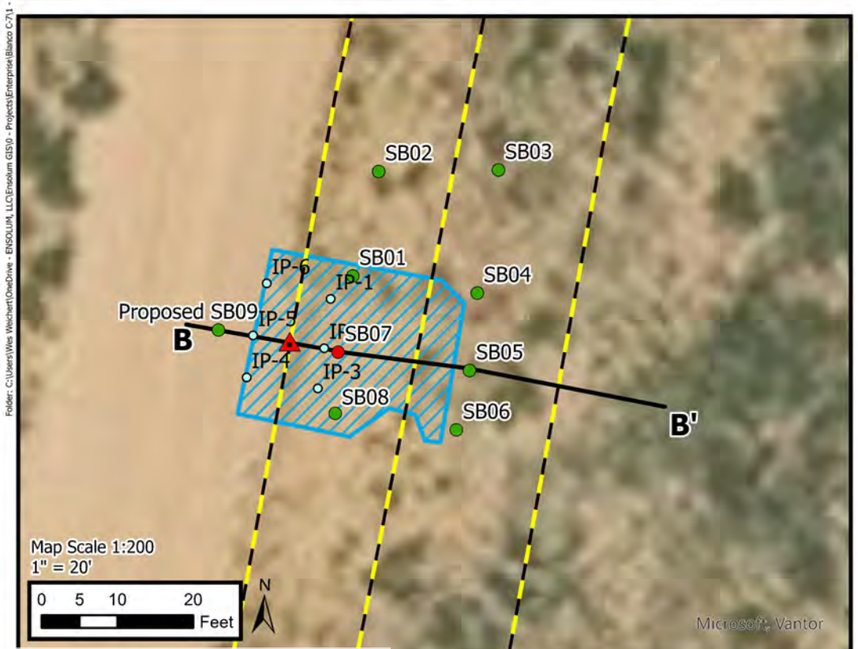
Environmental, Engineering and Hydrogeologic Consultants

FIGURE 4





Legend

- Excavation Extent
- Utilities
- Soil borehole compliant with Closure Criteria
- Soil borehole with concentrations exceeding Closure Criteria
- Point of Release
- Approximate Initial injection points

Total Petroleum Hydrocarbons

10,000 mg/kg
5,000 mg/kg
100 mg/kg

Lithology

- Clay
- Silt
- Clayey Sand
- Silty Sand
- Poorly Graded Sand
- Poorly Graded Sand and Clay
- Poorly Graded Sand to Clayey Sand
- Poorly Graded Sand to Silty Sand
- Excavation Backfill (Silty Sand)

141 mg/kg Total Petroleum Hydrocarbon Concentration in milligrams per kilogram

Cross Section B-B' with Interpolated TPH Plume

Enterprise Field Services, LLC
Blanco C-7 (January 2025)
Unit A S14 T26N R9W
San Juan County, New Mexico
36.49199, -107.75149

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FIGURE 5

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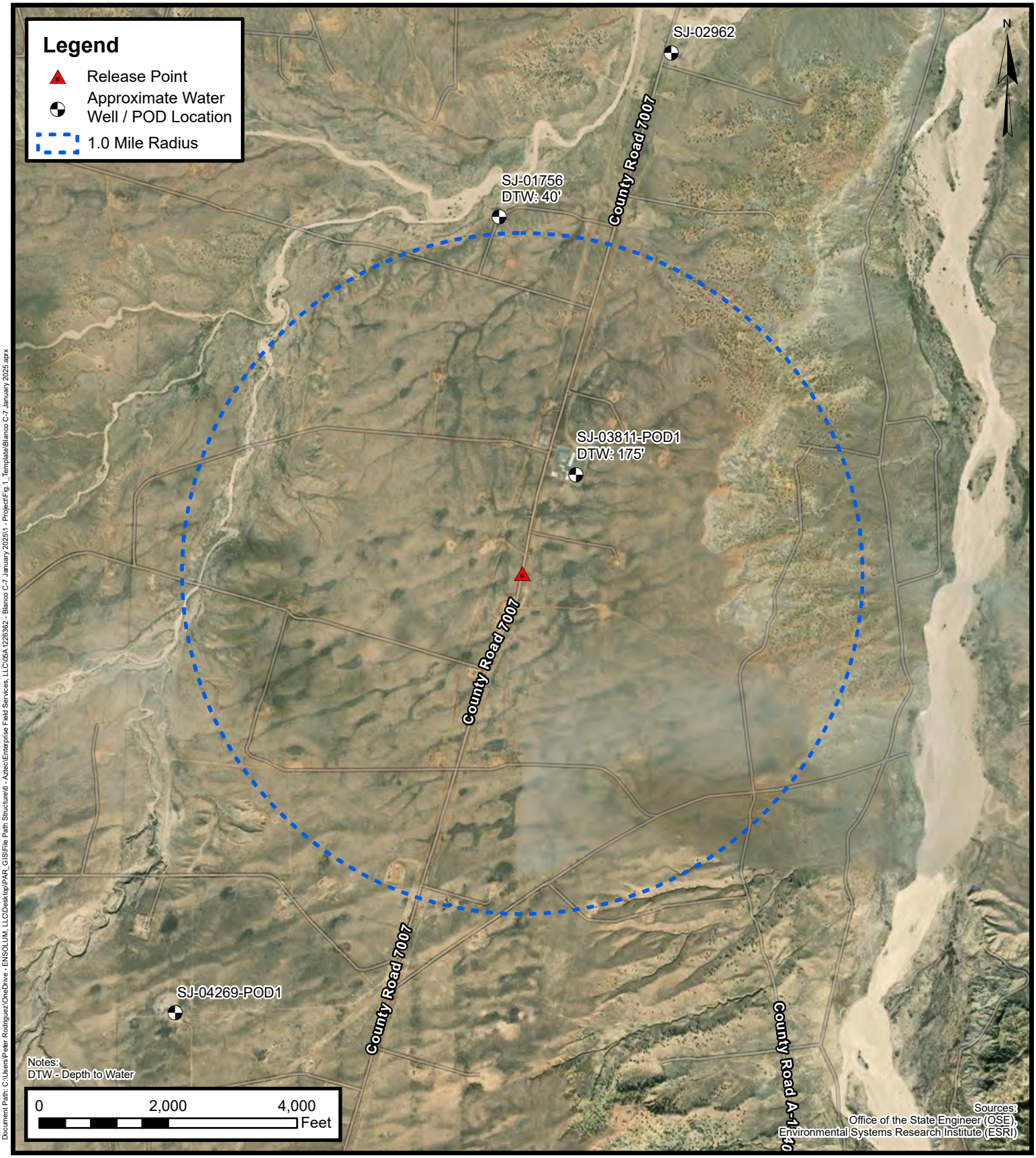
APPENDIX B

Siting Figures and Documentation



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ENSOLUM
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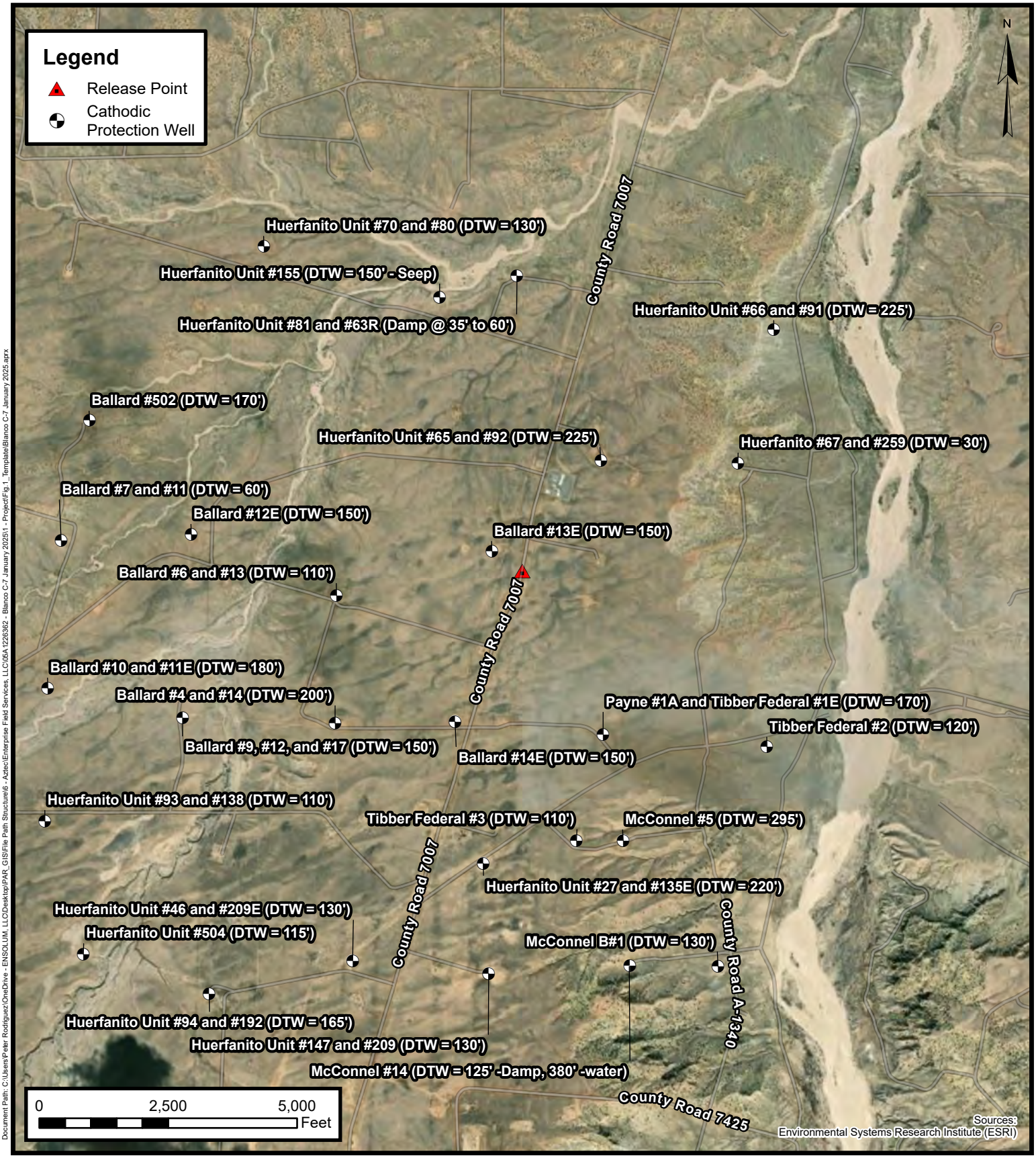
1.0 Mile Radius Water Well / POD Location Map
Enterprise Field Services, LLC
Blanco C-7 (January 2025)
Project Number: 05A1226362
Unit Letter A, S14 T26N R9W, San Juan County, New Mexico
36.49199, -107.75149

FIGURE
A



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Cathodic Protection Well
Recorded Depth to Water
Enterprise Field Services, LLC
Blanco C-7 (January 2025)
Project Number: 05A1226362
Unit Letter A, S14 T26N R9W, San Juan County, New Mexico
36.49199, -107.75149

FIGURE
B

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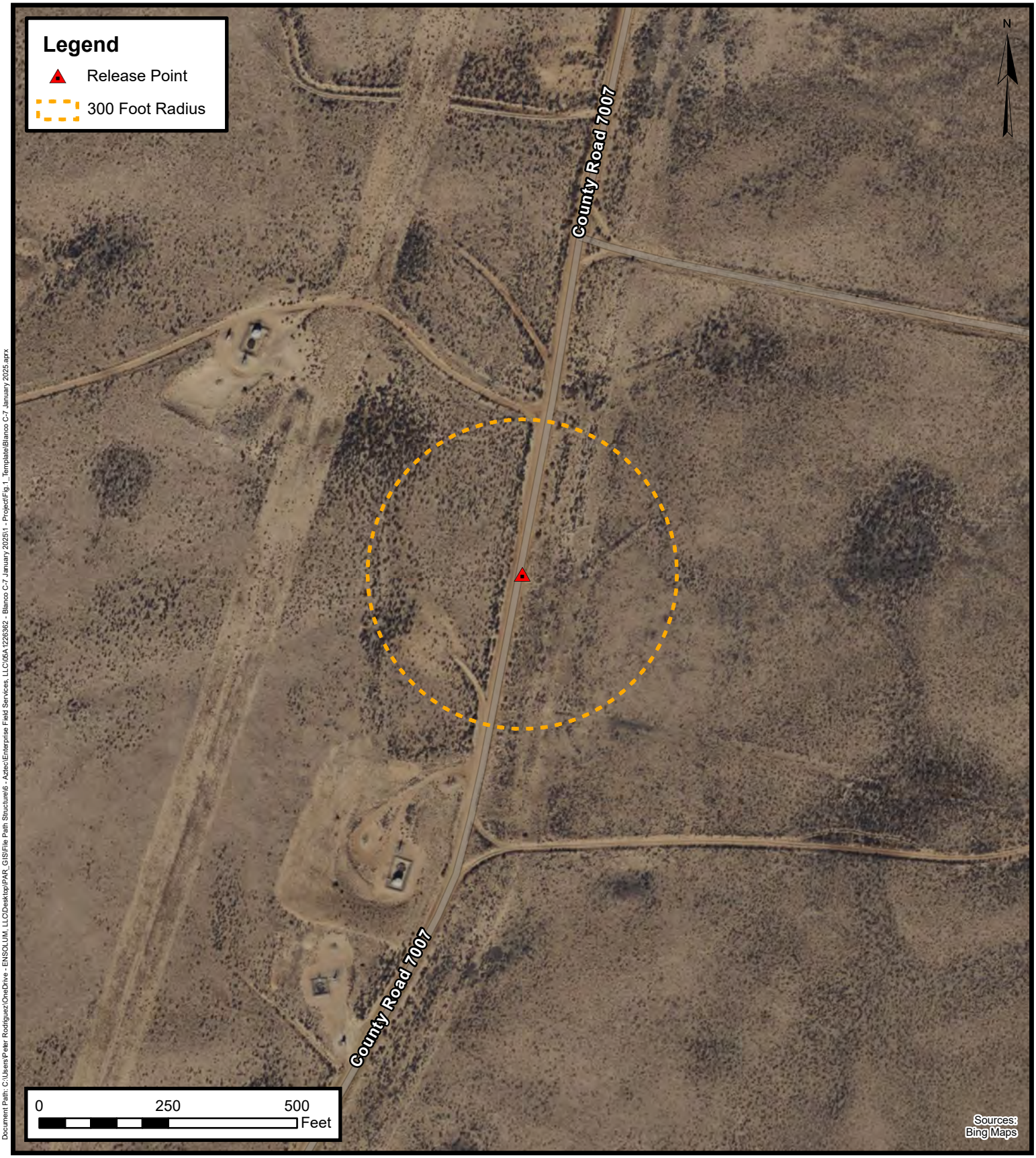
300 Foot Radius Watercourse and Drainage Identification
Enterprise Field Services, LLC
Blanco C-7 (January 2025)
Project Number: 05A1226362
Unit Letter A, S14 T26N R9W, San Juan County, New Mexico
36.49199, -107.75149

FIGURE
C



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ENSOLUM
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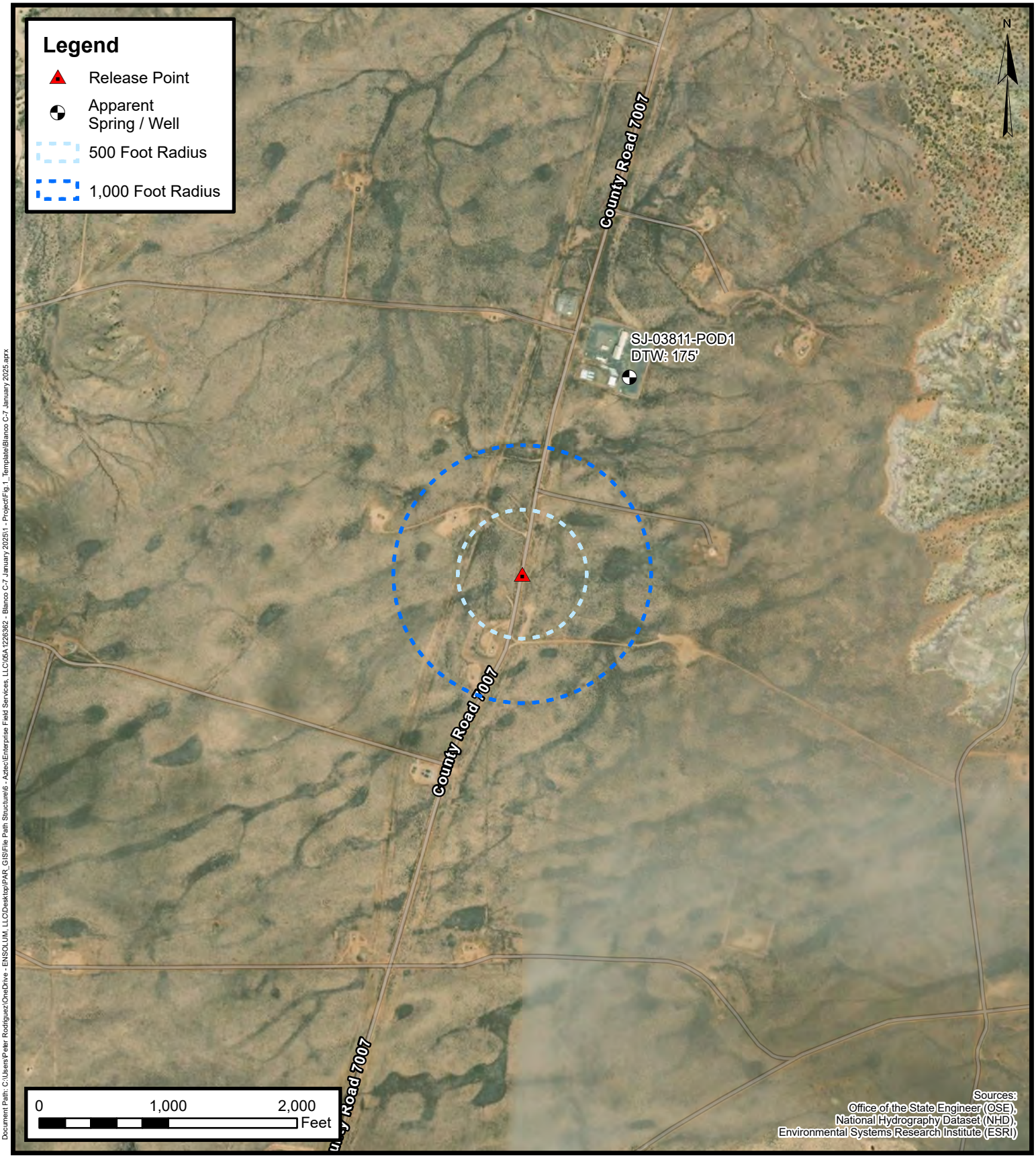
300 Foot Radius Occupied Structure Identification
Enterprise Field Services, LLC
Blanco C-7 (January 2025)
Project Number: 05A1226362
Unit Letter A, S14 T26N R9W, San Juan County, New Mexico
36.49199, -107.75149

FIGURE
D



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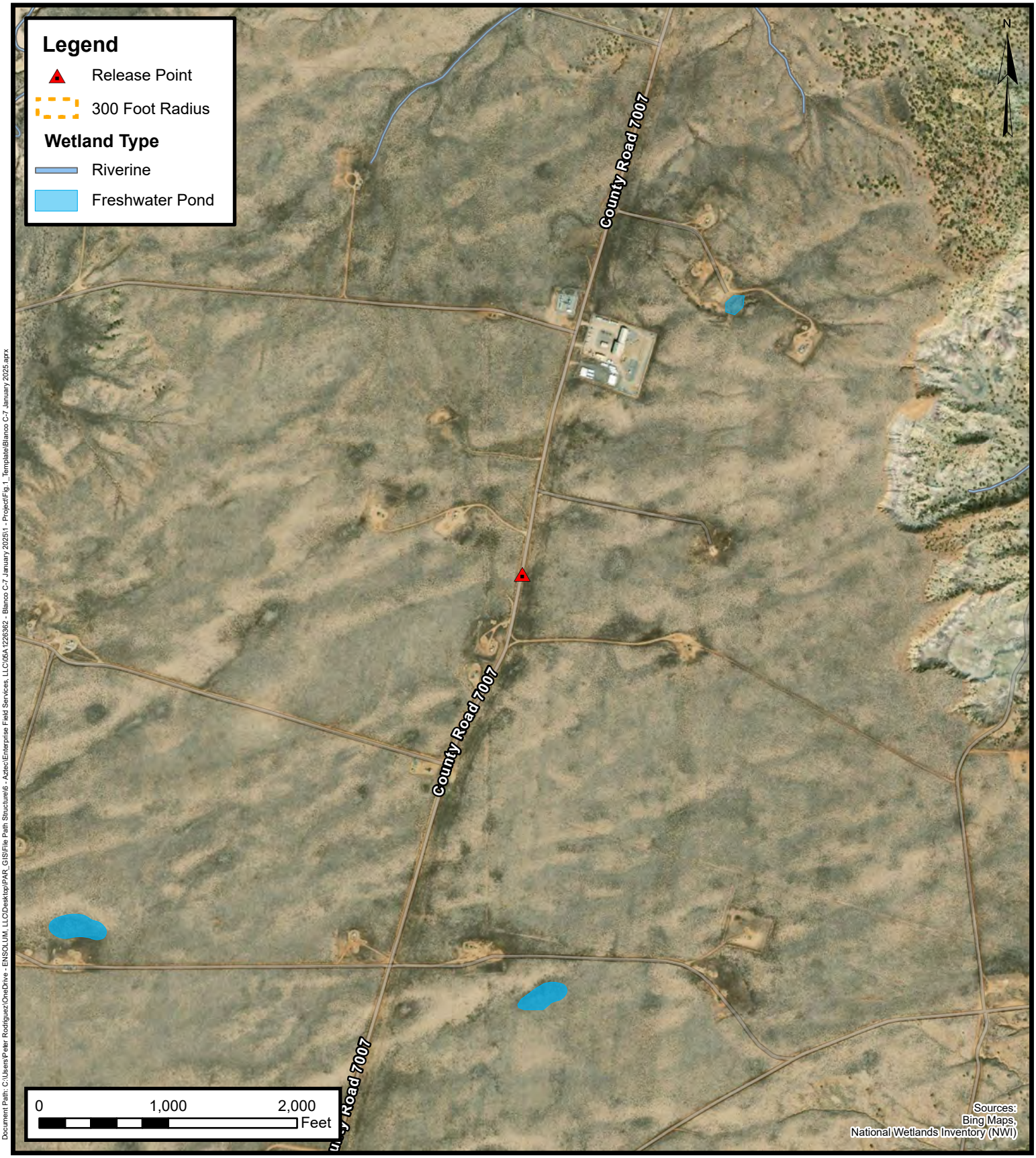
Water Well and Natural Spring Location

Enterprise Field Services, LLC
Blanco C-7 (January 2025)
Project Number: 05A1226362
Unit Letter A, S14 T26N R9W, San Juan County, New Mexico
36.49199, -107.75149

FIGURE
E



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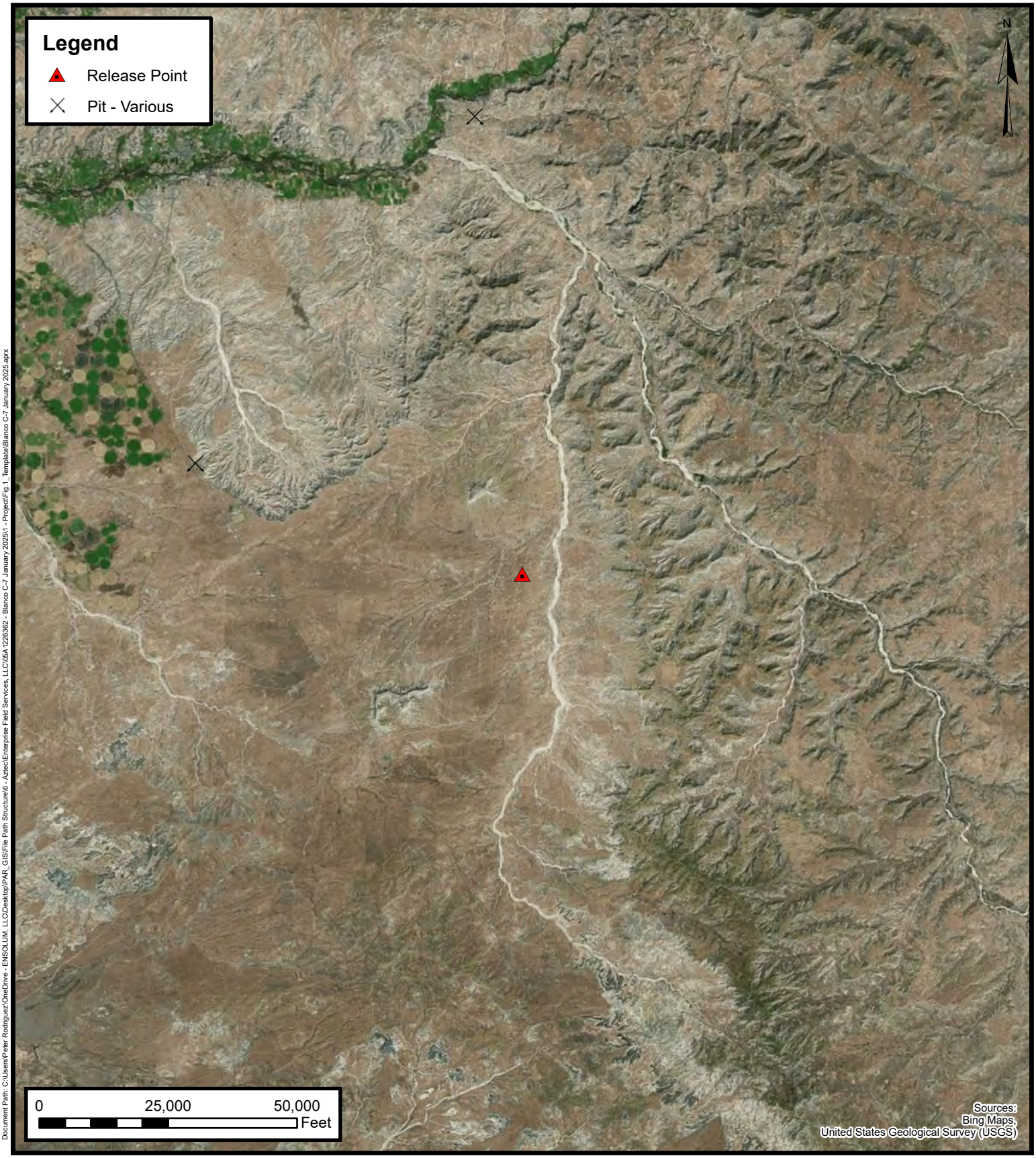
Wetlands

Enterprise Field Services, LLC
Blanco C-7 (January 2025)
Project Number: 05A1226362
nit Letter A, S14 T26N R9W, San Juan County, New Mexico
36.49199 -107.75149

FIGURE
F



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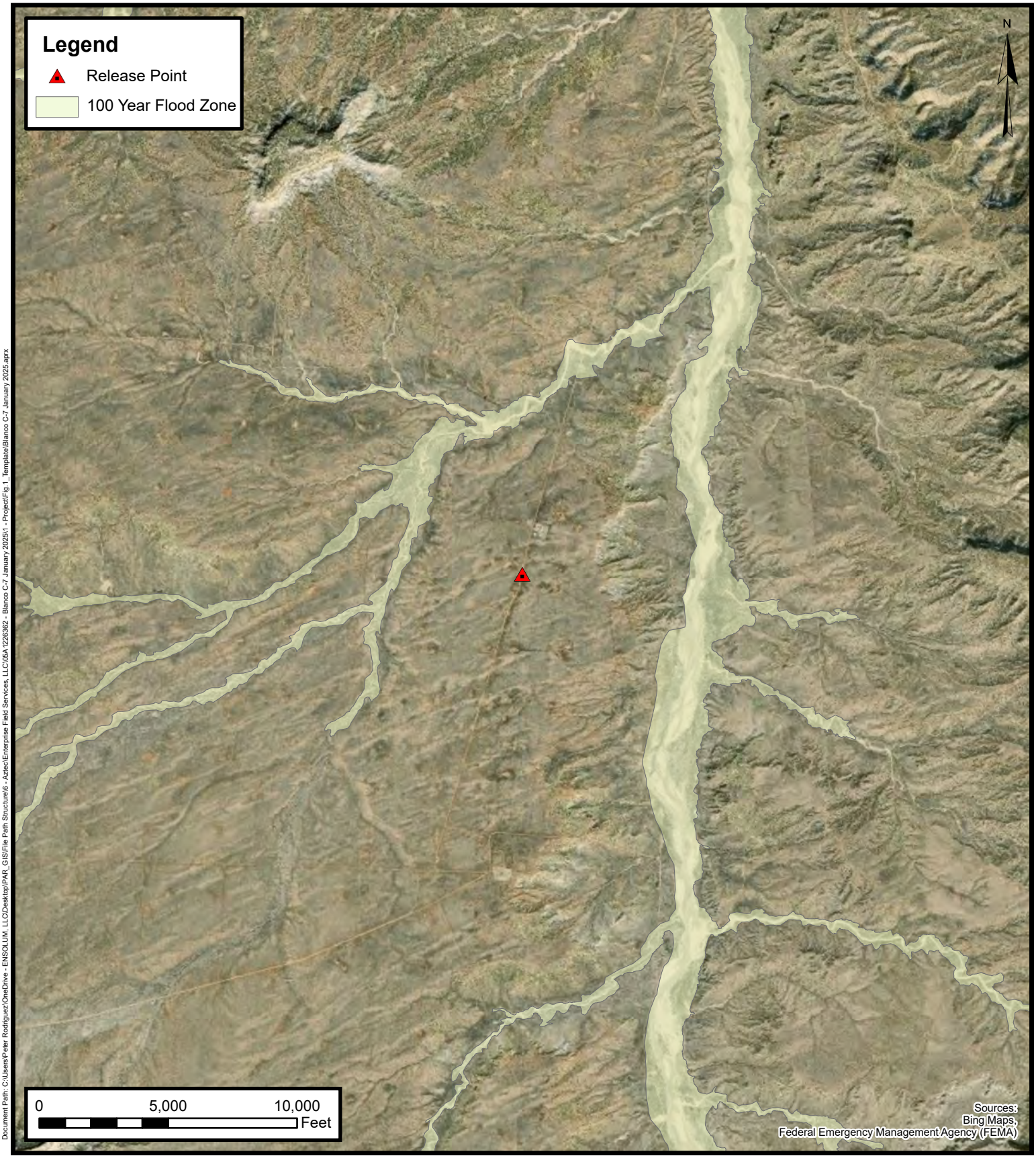
Mines, Mills, and Quarries

Enterprise Field Services, LLC
Blanco C-7 (January 2025)
Project Number: 05A1226362
Unit Letter A, S14 T26N R9W, San Juan County, New Mexico
36.49199 -107.75149

FIGURE
G



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100-Year Flood Plain Map

Enterprise Field Services, LLC
Blanco C-7 (January 2025)
Project Number: 05A1226362
Unit Letter A, S14 T26N R9W, San Juan County, New Mexico
36.49199 -107.75149

FIGURE
H

New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.) (R=POD has been replaced, O=orphaned, C=the file is closed) (quarters are smallest to largest) (In feet)

POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	X	Y	Map	Well Depth	Depth Water	Water Column
SJ 01756		SJ	SJ	SW	NE	NE	11	26N	09W	253428.0	4043725.0 *		75	40	35
SJ 03811 POD1		SJ	SJ	SW	SW	SW	12	26N	09W	253790.0	4042506.0 *		348	175	173

Average Depth to Water: **107 feet**

Minimum Depth: **40 feet**

Maximum Depth: **175 feet**

Record Count: 2

Basin/County Search:
Basin: SJ

PLSS Search:
Range: 09W
Township: 26N
Section: 10,11,12,13,14,15,22,23,24

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

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.

E

811

70 - 30-045-05966
80 - 30-045-05970

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

Operator MERIDAIN OIL Location: Unit NE Sec. 10 Twp 26 Rng 9

Name of Well/Wells or Pipeline Serviced HUERFANITO UNIT #80, #70

cps 1016w

Elevation 6276' Completion Date 8/20/75 Total Depth 400' Land Type* N/A

Casing, Sizes, Types & Depths 25' OF STEEL CASING

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

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

N/A

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

Fresh, Clear, Salty, Sulphur, Etc. 130'

Depths gas encountered: N/A

Type & amount of coke breeze used: 3900 lbs.

Depths anodes placed: 360', 350', 340', 330', 320', 310', 280', 220', 210' 190'

Depths vent pipes placed: N/A

Vent pipe perforations: 250'

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.

Received by OCD: 1/13/2026 10:44:06 AM

Form 7-238 (Rev. 1-69)

WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

Drilling Log (Attach Hereto) ☐

Completion Date 8-20-7

Well Name: Huerfanito #80 / Huerfanito #70	Location: NE 10-26N-9W			CPS No. 1016W
Type & Size Bit Used: 6 3/4"				W.O. 54383.19-50-2 / 90229.19-50-2
Anode Hole Depth: 400	Total Drilling Rig Time	Total Lbs. Coke Used: 3,900	Lost Circulation Mat'l Used	No. Sacks Mud Used

Anode Depth	#1 360	#2 350	#3 340	#4 330	#5 320	#6 310	#7 280	#8 220	#9 210	#10 19
Anode Output (Amps)	#1 3.6	#2 3.0	#3 3.0	#4 3.4	#5 3.8	#6 3.6	#7 3.4	#8 3.4	#9 4.0	#10 3.
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	Volts 11.8	Amps 15.5	Ohms 0.76	No. 8 C.P. Cable Used 3215	No. 2 C.P. Cable Used

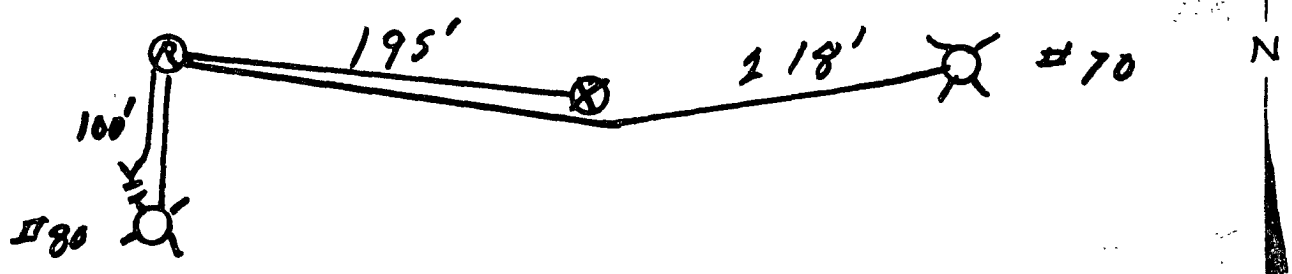
Remarks: Drill with Air Driller said water a 130' Driller set 25' steel casing. Vent H. Perforated 250'

Drilled 1001.52
Mates - 310.46
Loop - 213.40
Wire 299.--
Coke 234.--
Anodes 264.60
T Box 86.--
Rent 358.--
Vent 23.--
Misc. 50.--
2815.98

All Construction Completed

Edward R. Paulsen
(Signature)

GROUND BED LAYOUT SKETCH



963

62-76'

Released to Imaging: 1/13/2026 10:47:10 AM

MORGAN DRILLING COMPANY

P.O. Box 326 • Broken Bow, Oklahoma 74728

Ph. Office 405/584-6000
Mobile 584-6860
Night 420-3248

DATE 8-20-75

Work Order No. 54333 90279-1950-20

Hurstford unit 70+80

CUSTOMER	SERVICE ADDRESS	CITY
El Paso Nat. Co	Farmington New Mexico	Farmington New Mexico

TEL. NO.	REQ. NO.	SERVICEMAN	VEHICLE NO.	DATE COMPLETED
325-1818		Morgan Drilling Co	T4	

LITHOLOGIC LOG

Material	From	To	Water Strata	Time
Blue shale	140	150	130	
Hard sandstone	150	160		
Blue shale	160	180		
Hard sandstone	180	200		
Blue shale	200	240		
Hard sandstone	240	300		
Blue shale	300	400		

Date started _____, 19__
Date completed _____, 19__

INSTRUCTIONS: 22' clex casing

SERVICE PERFORMED:

TOTAL DEPTH 321'

RIG TIME

WATER TRUCK

DRILLERS CERTIFICATION

This well was drilled under my supervision and the report is true to the bes of my knowledge.

Name Al Glen

Address

Well driller's license number

Signed

Date

Customer's Signature

By Edward R. Pauk

Received by OCD: 1/13/2026 10:44:06 AM

EL PASO NATURAL GAS COMPANY
ENGINEERING DEPARTMENT

Date:
By:

1016 W

130	1.4		⑥	10	1.6		Driller said water @ 130
	1.4				1.8		
40	1.8		⑤	20	1.8		Went Perforated 250'
	1.0				1.8		
50	1.2		④	30	1.6		
	.8				1.6		
60	.8		③	40	1.6		
	1.4				1.5		
70	1.4		②	50	1.4		
	1.0				1.4		
80	1.2		①	60	1.6		
	1.4				1.8		
90	1.6			70	1.6		
⑩	1.8				1.8		
200	1.6			80	Bottom 381		
	1.8						
⑨ 10	1.8			90			
	1.8						
⑧ 20	1.8			400			
	1.2				4		
30	1.0				1360	2.0	3.6
	1.0				2350	1.6	3.0
40	.8				3340	1.8	3.0
	1.0				4330	2.0	3.4
50	1.2				5320	2.2	3.8
	1.0				6310	2.0	3.6
60	1.1				7280	2.0	3.4
	.8				8220	2.0	3.4
70	1.0				9210	2.2	4.0
	1.4				10195	2.0	3.8
⑦ 80	1.6				2915	11.8	15.5 0.76
	1.6				300		
	1.2				3215		
	.6						
	1.0						
	1.6						

MW		gals/mol
16	C_1	5 4
30	C_2	6 12
44	C_3	10 42
58	IC_4	12 38
"	NC_4	11 93
72	IC_5	13 85
"	NC_5	13 71
86	IC_6	15 50
"	C_6	15 57
100	IC_7	17 2
"	C_7	17 46
114	C_8	19 91
28	$C_2^=$	9 64
42	$C_3^=$	9 67

MISC

MW		gals/mol
44	CO_2	5 38
34	H_2S	5 17
28	N_2	4 16
2	H_2	3 38

Released to Imaging: 1/13/2026 10:47:10 AM

 #502 = 30-045-29284

DATE: 5/7/96

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

Operator Meridian Oil Inc. Location: Unit K Sec. 10 Twp 26 Rng 09

Name of Well/Wells or Pipeline Serviced
Ballard #502

Elevation ____ Completion Date 5/7/96 Total Depth 415' Land Type F

Casing Strings, Sizes, Types & Depths 5/6 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
None

Depths & thickness of water zones with description of water: Fresh, Clear, Salty, Sulphur, Etc. Hit Fresh Water at 170'

Depths gas encountered: None

Ground bed depth with type & amount of coke breeze used: 415' Depth. Used 103 Sacks of Asbury 218R (5150#)

Depths anodes placed: 360', 350', 340', 330', 300, 290', 280, 270', 245, 235, 225, 215, 190', 150', +140'.

Depths vent pipes placed: Surface To 415'.

Vent pipe perforations: Bottom 280'

Remarks:

RECEIVED
FEB 19 1997
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

CPSO 2968-W | P/L NAME(S), NUMBER(S) Ballard #502

AC 1185 | TOTAL | VOLTS 11.32 | AMPS 29.4 | OHMS .385 | DATE 5/7/96 | NAME: JOHN L

REMARKS (NOTES FOR CONSTRUCTION LOG) Driller Reported Water AT 17

Installed 415' of 1" PE Vent Pipe, With The Bottom 280' Perforated. Coke Breeze To 115'.

DEPTH	LOG ANODE	ANODE #	DEPTH	LOG ANODE	ANODE #	DEPTH	LOG ANODE	ANODE #	DEPTH	LOG ANODE	ANODE #
100			295	2.0		490			685		
105			300	[illegible]	-5	495			690		
110			305	[illegible]		500			695		
115			310	1.2		505			700		
120			315	.7		510					
125			320	1.7		515					
130	3.3		325	2.5		520					
135	3.2		330	2.7	4	525					
140	2.9	15	335	2.6		530					
145	2.8		340	2.0	3	535					
150	1.7	14	345	2.7		540					
155	1.7		350	2.4	2	545					
160	1.2		355	2.5		550					
165	1.3		360	2.2	1	555					
170	1.7		365	2.1		560					
175	2.5		370	1.5		565					
180	2.5		375	1.8		570					
185	2.4		380	2.0		575					
190	2.5	13	385	1.7		580					
195	2.2		390	[illegible]		585					
200	1.6		395	2.1		590					
205	1.7		400	3.0		595					
210	2.8		405	3.4		600					
215	2.9	-12	410	2.7		605					
220	3.4		415	T.D.	415'	610					
225	2.3	-11	420			615					
230	3.2		425			620					
235	3.2	-10	430			625					
240	3.2		435			630					
245	3.2	-9	440			635					
250	2.3		445			640					
255	1.8		450			645					
260	1.7		455			650					
265	1.9		460			655					
270	2.1	-8	465			660					
275	2.6		470			665					
280	3.5	-7	475			670					
285	2.4		480			675					
290	2.2	-6	485			680					

ANODE #	DEPTH	NG CONE
1	360	2.3
2	350'	2.5
3	340'	3.0
4	330'	2.7
5	300'	2.9
6	290'	3.2
7	280'	3.5
8	270	3.4
9	245'	3.2
10	235'	3.2
11	225'	3.3
12	215	2.9
13	190	2.5
14	150'	2.7
15	140'	2.8
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		

DISTRIBUTION - ORIGINAL - SUPERVISOR CPS FILE
- DIVISION CORROSION SUPERVISOR

63R - 30-045-23912
81 - 30-045-05972

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

Operator MERIDIAN OIL Location: Unit NE Sec. 11 Twp 26 Rng 9

Name of Well/Wells or Pipeline Serviced ~~HUERFANITO UNIT #81, #63R~~
cps 1017w

Elevation 6182' Completion Date 8/13/75 Total Depth 400' Land Type* N/A

Casing, Sizes, Types & Depths N/A

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

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

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

Fresh, Clear, Salty, Sulphur, Etc. DAMP 35'-60'

Depths gas encountered: N/A

Type & amount of coke breeze used: 4500 lbs.

Depths anodes placed: 310', 300', 290', 280', 270', 250', 240', 230', 220', 210'

Depths vent pipes placed: N/A

Vent pipe perforations: 200'

Remarks: gb #1

RECEIVED
MAY 21 1991
OIL CON. DIV
DIST. 3

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

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

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

WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

Drilling Log (Attach Hereto). ☐

Completion Date 8-13-75

Well Name: Fluerfanito #81 & #63R	Location: NE 11-26-9	CPS No.: 1017 W
Type & Size Bit Used: 6 3/4		Work Order No.: 54384 & 90271

Anode Hole Depth	Total Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used	No. Sacks Mud Used
400		4500		

Anode Depth	# 1 310	# 2 300	# 3 290	# 4 280	# 5 270	# 6 250	# 7 240	# 8 230	# 9 220	# 10 210
Anode Output (Amps)	# 1 2.8	# 2 3.0	# 3 3.4	# 4 4.1	# 5 3.6	# 6 3.6	# 7 4.0	# 8 4.4	# 9 4.8	# 10 4.5
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 11.2	Amps 17.0	Ohms .66	3175	

Remarks: Drilled 80' & used 15 Mud, unable to Prevent caving
Moved Rig & installed New Positive Cable.
Drilled 60' & Compressor Quit, Changed to Mud & Drilled to 400'
Vent Perforated 200'

Drillers 2426.06
Mud 524.16
Water 295.88
Coke 270.00
Anodes 264.60
T Bar 86.00
Vent 23.00
Rent 353.50
Misc. 50.00
4272.60

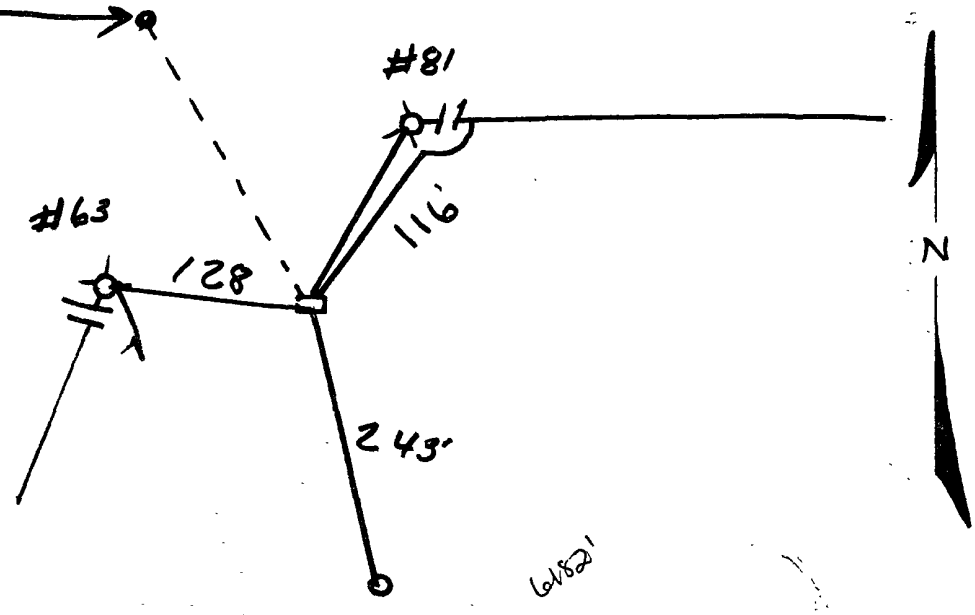
26 hrs

All Construction Completed

Daniels
(Signature)

Abandoned Hole & #8 Cable

GROUND BED LAYOUT SKETCH



Original & 1 Copy All Reports

Received by OCD: 1/13/2026 10:44:06 AM

EL PASO NATURAL GAS COMPANY
ENGINEERING DEPARTMENT

Date:
By:

1017 W

MW		gals/mol
16	C_1	6 4
30	C_2	10 12
44	C_3	10 42
58	IC_4	12 38
"	NC_4	11 93
72	IC_5	13.85
"	NC_5	13 71
86	IC_6	15 50
"	C_6	15 57
100	IC_7	17 2
"	C_7	17 46
114	C_8	19 99
28	CO	9 64
42	C_3	9.67

MISC

MW		gals/mol
44	CO_2	0 38
34	H_2S	5 17
28	N_2	4 16
2	H_2	3 38

100		280	1.8
			2.0
10		90	1.9
			1.8
20		300	1.6
			1.7
30		10	1.8
			1.6
40		20	1.0
			.8
50	1.8	30	1.0
	1.8		1.0
60	1.5	40	1.0
	1.6		1.0
70	1.1	50	1.0
	.4		.8
80	.7	60	T.D.
	1.0		
90	1.6	70	
	2.0		
200	2.1	80	
	2.2		
10	2.0		
	2.0		
20	2.1		
	2.2		
30	2.1		
	2.2		
40	2.1		
	2.1		
50	2.0		
	1.5		
60	.9		
	1.4		
70	1.8		
	2.0		

Drilled 60' with air
Air Comp. Quit
Chng to Mud

1	310	1.8	2.8
2	300	1.9	3.0
3	290	2.1	3.4
4	280	2.4	4.1
5	270	2.2	3.6
6	250	2.2	3.6
7	240	2.6	4.0
8	230	2.4	4.4
9	220	2.6	4.8
10	210	2.4	4.5

11.2V 17 A. 0.66 Ω

Released to Imaging: 1/13/2026 10:47:10 AM

Received by OCD: 1/13/2026 10:44:06 AM

Form 22-2 (Rev. 1-61)

EL PASO NATURAL GAS COMPANY

DRILLING DEPARTMENT

8-7 to 8-13-75

DAILY DRILLING REPORT

LEASE WELL NO. 107-W CONTRACTOR RIG NO. 3991 REPORT NO. DATE 19

MORNING

Driller Total Men In Crew

FROM	TO	FORMATION	WT-BIT	R.P.M.
0.0	14'	Sand		
14.0	24'	Sandstone		
24.0	44'	Sand		
44'	105'	Sandstone		

NO. DC ____ SIZE ____ LENG. ____

BIT NO. NO. DC ____ SIZE ____ LENG. ____

SERIAL NO. STANDS

SIZE SINGLES

TYPE DOWN ON KELLY

MAKE TOTAL DEPTH

MUD RECORD			MUD, ADDITIVES USED AND RECEIVED
Time	Wt.	Vis.	

FROM	TO	TIME BREAKDOWN
240'	245	Sandstone
245'	255'	Shale
255'	269'	Sandstone
269'	374'	Shale
374'	400'	Sandstone
400'	-	TD

REMARKS –

Damp at 35' to 60'

Change over to ... 60 to 400'

DAYLIGHT

Driller Total Men In Crew

FROM	TO	FORMATION	WT-BIT	R.P.M.
105'	113'	Shale		
113'	133'	Sandstone		
133'	137'	Shale		

NO. DC ____ SIZE ____ LENG. ____

BIT NO. NO. DC ____ SIZE ____ LENG. ____

SERIAL NO. STANDS

SIZE SINGLES

TYPE DOWN ON KELLY

MAKE TOTAL DEPTH

MUD RECORD			MUD, ADDITIVES USED AND RECEIVED
Time	Wt.	Vis.	

FROM	TO	TIME BREAKDOWN

REMARKS – 8 sacks mud

EVENING

Driller Total Men In Crew

FROM	TO	FORMATION	WT-BIT	R.P.M.
137'	210'	Sandstone		
210'	220'	Shale		
220'	235'	Sandstone		
235'	240'	Shale		

NO. DC ____ SIZE ____ LENG. ____

BIT NO. NO. DC ____ SIZE ____ LENG. ____

SERIAL NO. STANDS

SIZE SINGLES

TYPE DOWN ON KELLY

MAKE TOTAL DEPTH

MUD RECORD			MUD, ADDITIVES USED AND RECEIVED
Time	Wt.	Vis.	

FROM	TO	TIME BREAKDOWN

REMARKS –

SIGNED: Toolpusher Jimmy Jones Company Supervisor

Released to Imaging: 1/13/2026 10:47:10 AM

30-045-29432

ENTERED

60
337
373

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

906RW

6B366A

0710763-30

Operator Burlington Resources Location: Unit C Sec. 11 Twp 26 Rng 9

Name of Well/Wells or Pipeline Serviced Huerfanito #155

Elevation ____ Completion Date 7-15-97 Total Depth 300 Land Type ____

Casing Strings, Sizes, Types & Depths 8" PVC x 20'

If Casing Strings are cemented, show amounts & types used 4 Bags Portland Cement

If Cement or Bentonite Plugs have been placed, show depths & amounts used none

Depths & thickness of water zones with description of water: Fresh, Clear, Salty, Sulphur, Etc. 150' Seep

Depths gas encountered: none

Ground bed depth with type & amount of coke breeze used: 300' - 1800 lbs Loresco SW coke breeze

Depths anodes placed: 290, 280, 250, 243, 236, 229, 222, 215

Depths vent pipes placed: 300'

Vent pipe perforations: Bottom 150'

Remarks:

RECEIVED
FEB 25 1998
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.

[redacted] Need CPS

TIERRA DYNAMIC COMPANY DEEP WELL GROUNDED LOG D[redacted] SHEET

COMPANY NAME: Burlington Resources

WELL NAME : Hurrfanito # 155

LEGAL LOCATION: C-11-26-9 COUNTY: San Juan

DATE: 7-15-97 TYPE OF COKE: Lorrsco SW

DEPTH: 300' AMT. OF COKE BACKFILL: 1800 lbs

BIT SIZE: 6 3/4 VENT PIPE: 300'

DRILLER NAME: Jack Ledbetter PERF. PIPE: Bottom 150'

SIZE AND TYPE OF CASING: 8" PVC ANODE AMT. & TYPE: Anotec - Duriron

BOULDER DRILLING:

DEPTH FT.	LOG	ANODE	DEPTH FT.	LOG	ANODE	DEPTH FT.	LOG	ANODE
100			265	1.0		430		
105			270	.8		435		
110			275	1.4	2	440		
115			280	1.4		445		
120			285	1.4		450		
125			290	1.7	1	455		
130			295	2.2		460		
135			300	T.D.		465		
140			305			470		
145			310			475		
150			315			480		
155			320			485		
160	1.4		325			490		
165	2.5		330			495		
170	2.6		335			500		
175	2.7		340			505		
180	2.8		345			510		
185	3.0		350			515		
190	2.9		355			520		
195	1.6		360			525		
200	1.4		365			530		
205	1.8		370			535		
210	3.1		375			540		
215	3.1	8	380			545		
220	3.3		385			550		
225	3.4	7	390			555		
230	3.5	10	395			560		
235	3.3	5	400			565		
240	3.1		405			570		
245	3.2	4	410			575		
250	2.5	3	415			580		
255	1.2		420			585		
260	1.0		425			590		
						595		

COMPLETION INFORMATION:

WATER DEPTHS: 150'

ISOLATION PLUGS:

ANODE#	DEPTH	OUTPUT NO COK	OUTPUT COKED
1	290	1.7	3.7
2	280	1.6	3.5
3	250	2.6	5.7
4	243	3.1	6.8
5	236	3.0	6.4
6	229	3.1	6.5
7	222	3.2	6.4
8	215	3.0	6.0
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			

LOGING VOLTS: 11.27 VOLTAGE SOURCE: Auto

TOTAL AMPS: 18.1 TOTAL G/B RESISTANCE: .62

REMARKS:

#67 30-045-05905
#259 30-045-21411

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

Operator MERIDAIN OIL Location: Unit C Sec. 6 Twp 26 Rng 10

Name of Well/Wells or Pipeline Serviced HUERFANO UNIT #67, #259

cps 952w

Elevation 6528' Completion Date 7/19/88 Total Depth 260' Land Type* N/A

Casing, Sizes, Types & Depths 40' OF SURFACE CASING

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

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

N/A

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

Fresh, Clear, Salty, Sulphur, Etc. 30' & 95'

Depths gas encountered: N/A

Type & amount of coke breeze used: N/A

Depths anodes placed: 155', 145', 135', 125', 115'

Depths vent pipes placed: 265' OF 1" PVC VENT PIPE

Vent pipe perforations: BOTTOM 220'

Remarks: ~~gb #3~~, gb#2, gb#1

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.

FM-07-0236 (Rev. 10-82)

WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

OCD

Drilling Log (Attach Hereto) ☒ comp 7-22-88 Completion Date 7-19-88

CPS #	Well Name, Line or Plant	Work Order #	Static:	Ins Union Check
9526	Huerfano unit U259	43895A		☒ Good ☐ Bad
	" " U. 67	51070A		

Location	Anode Size	Anode Type	Size Bit
C 06-26-10	1/2" x 20"	Lida	6"

Depth Drilled	Depth Logged	Drilling Rig Time	Total Lbs Coke Used	Lost Circulation Mat'l Used	No Sacks Mud Used
260'	255'				

Anode Depth	# 1	# 2	# 3	# 4	# 5	# 6	# 7	# 8	# 9	# 10
	115'	to 155'								
Anode Output (Amps)	18.5									
Anode Depth	# 11	# 12	# 13	# 14	# 15	# 16	# 17	# 18	# 19	# 20
Anode Output (Amps)										

Total Circuit Resistance			No. 8 C.P. Cable Used	No. 2 C.P. Cable Used
Volts 12.2	Amps 18.5	Ohms .65		

Remarks: Driller said water to be at 30' and 95'. No water sample. Installed 40' surface casing, 2 hrs rig time. Installed 265' of 1" PVC vent pipe, bottom 220' perforated. Hole was logged with 2½" x 2' duriron anode. 1 five anode string, anodes 10' center to center, total length 40' Metalurgical coke from bottom to 165'. Carbo 60 coke with anodes to 75'. Possible coke and sand above anodes

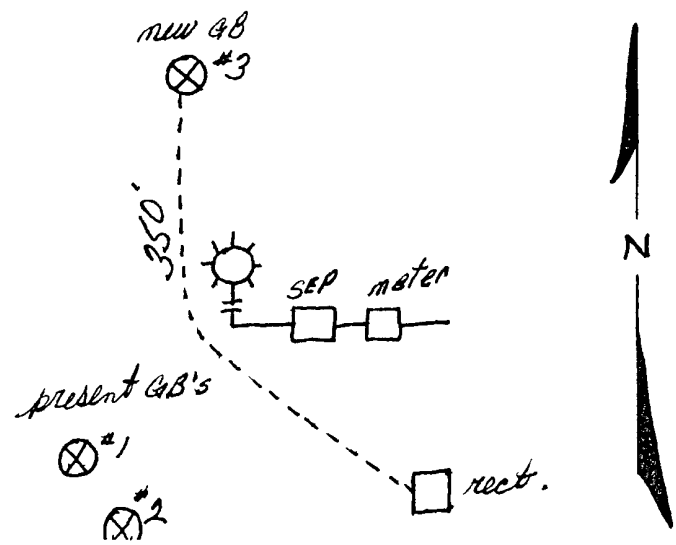
Rectifier Size: 40 V 16 A
Addn'l Depth
Depth Credit: 245' @ 3.50 -857.50
Extra Cable: 10' @ .24 2.40
Ditch & 1 Cable: 350 @ .70 245.00
25' Meter Pole:
20' Meter Pole:
10' Stub Pole:

All Construction Completed

Calvin Rodman
(Signature)

GROUND BED LAYOUT SKETCH

G+B and junction box	4073.00
40' surface casing	220.60
2 hrs. rig time	276.60
	3958.90
tax	197.95
	4156.85



O. Crass DRILLING CO. 952W

Drill No. 3

DRILLER'S WELL LOG

S. P. No. Huerfano #259 Date 7-18-88

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	30	Sand
30	85	Shale
85	100	Sand
100	180	Shale
180	215	Sandy Shale
215	250	Shale
250	260	Sand

Mud Bran Lime

Rock Bit Number Make

Remarks: Water @ 30' & 95'
Set 40' Casing 2 Hrs.

Driller Ronnie Brown

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

Operator MERIDIAN OIL Location: Unit NW Sec. 6 Twp 26 Rng 10

Name of Well/Wells or Pipeline Serviced HUERFANO UNIT #67, #259

cps 952w

Elevation 6528' Completion Date 8/9/83 Total Depth 600' Land Type* N/A

Casing, Sizes, Types & Depths 80' OF 8" PVC CASING

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

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

N/A

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

Fresh, Clear, Salty, Sulphur, Etc. 480'

RECEIVED
MAY 31 1991
OIL CON. DIV
DIST. 3

Depths gas encountered: N/A

Type & amount of coke breeze used: 4200 lbs.

Depths anodes placed: 505', 495', 485', 475', 465', 455', 445', 435', 325', 415'

Depths vent pipes placed: 530' OF 1" PVC VENT PIPE

Vent pipe perforations: 350'

Remarks: Cgb #2 FIRST HOLE CAVED AT 420'.

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

Drilling Log (Attach Hereto) ☐ Completion Date 8-9-83

CPS #	Well Name, Line or Plant	Work Order #	Static:	Ins. Union Check
952-W	HUERFANO # 67	184-52979-19		☒ Good ☐ Bad
	HUERFANO # 259	184-55608-21		

Location	Anode Size	Anode Type	Size Bit
NW 6-26-10	2"	DURIRON TYPE D	6 3/4

Depth Drilled	Depth Logged	Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used	No. Sacks Mud Used
600	530				

Anode Depth	# 1 505	# 2 495	# 3 485	# 4 475	# 5 465	# 6 455	# 7 445	# 8 435	# 9 425	# 10 415
Anode Output (Amps)	# 1 4.4	# 2 3.2	# 3 5.6	# 4 46	# 5 5.6	# 6 6.0	# 7 6.2	# 8 5.9	# 9 5.6	# 10 4.5
Anode Depth	# 11	# 12	# 13	# 14	# 15	# 16	# 17	# 18	# 19	# 20
Anode Output (Amps)	# 11	# 12	# 13	# 14	# 15	# 16	# 17	# 18	# 19	# 20

Total Circuit Resistance			No. 8 C.P. Cable Used	No. 2 C.P. Cable Used
Volts 13.8	Amps 24.5	Ohms .52		

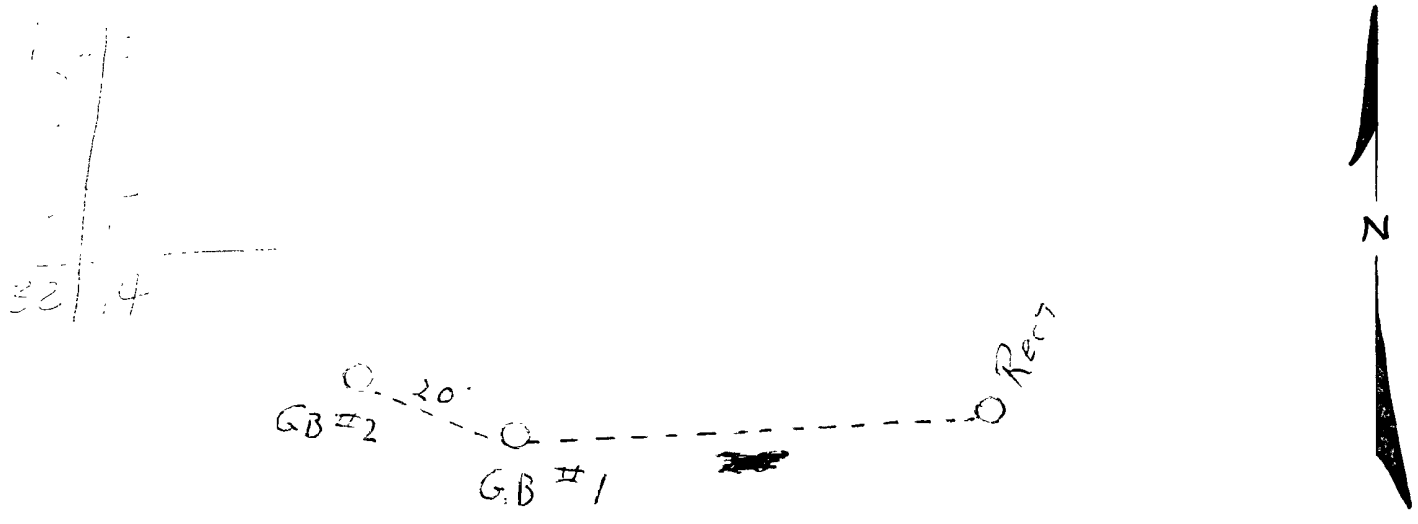
Remarks: SET 80' of 8" PVC CASING ⊖ HRS. (NO CHARGE FOR CASING.) DRILLER Said damp AT 20'+ 70', Said WET AT 180'. NEXT A.M. blew APPROX 1 gal of mud. DRILLED TO 420', hole bRIged AT 200', moved 20' & dRilled 600'. HIT Some SAND AT 480' MAKING Some WATER DID NOT GET wat Sample. INSTALLED 530 of 1" VENT PIPE PERFORATED 350' of VENT PIPE. SLURRYED 4200# of COKE BREEZE. NO CHARGE FOR SETTING CASING Paid 600' hole

Rectifier Size: _____ V _____ A
Addn'l Depth 100'
Depth Credit: _____
Extra Cable: 5'
Ditch & 1 Cable: 20'
25' Meter Pole: _____
20' Meter Pole: _____
10' Stub Pole: _____

All Construction Completed

Willis Knight Jr.
(Signature)

GROUND BED LAYOUT SKETCH



El Paso Natural Gas Company
ENGINEERING CALCULATION SHEET
Form 7-371 (11-77)

CPS 952-W
Huerfano # 67
Huerfano # 269

180	1.80	85	2.7	90
85	2.0	90	2.5	95
90	2.15	95	2.5	600 Drilled
95	2.4	400	2.1	05
200	2.4	05	2.1	10
05	2.4	10	2.0	15
10	2.4	15	2.3 ⑩	20
15	2.5	20	2.4	
20	2.5	25	2.5 ⑨	
25	2.4	30	2.5	
30	2.6	35	2.5 ⑧	
35	2.3	40	2.6	
40	2.0	45	2.5 ⑦	
45	1.9	50	2.5	
50	1.8	55	2.6 ⑥	
55	1.5	60	2.5	
60	1.6	65	2.5 ⑤	
65	1.2	70	2.4	
70	1.2	75	2.2 ④	
75	1.3	80	1.9	
80	2.0	85	2.4 ③	
85	2.4	90	2.5	
90	2.4	95	2.4 ②	
95	2.5	500	2.5	
300	2.6	05	2.4 ①	
05	2.6	10	2.3	
10	2.6	15	2.3	
15	2.5	20	2.5	
20	2.6	25	2.5	
25	2.6	30		T.D.
30	2.4	35		
35	2.5	40		
40	2.5	45		
45	2.6	50		
50	2.7	55		
55	2.6	60		
60	2.6	65		
65	2.6	70		
70	2.6	75		
75	2.5	80		
80	2.5	85		

Driller said damp at 20' & 70'. Said wet at 180'. Next A.M. blew approx 1 gal. of mud out of hole. Drilled to 420. Hole briged at 200'. Decided to go deeper to try and get more water, hit same sand at 480'. Beleive it is making some water. Hole caved in moved 20'. Set 80' of 8" PVC casing. Installed 530' of 1" vent pipe. Perforated 350' of vent pipe. Slurryed 4200# of coke breeze

①	505	3.10	4.4
②	495	2.90	3.2
③	485	3.20	5.6
④	475	3.10	4.6
⑤	465	3.5	5.6
⑥	455	3.5	6.0
⑦	445	3.4	6.2
⑧	435	3.3	5.9
⑨	425	3.2	5.6
⑩	415	3.4	4.5

13.8 V   24.5 A   .52 Ω

W/O
184-52979-19-50-20-63
184-55608-21-50-20-63

NW 6-26-10

Page
Date 8-5-83
By WK

Received by OCD: 1/13/2026 10:44:06 AM

Form 22-2 (Rev. 1-61)

CPS 952.11

EL PASO NATURAL GAS COMPANY

DRILLING DEPARTMENT

DAILY DRILLING REPORT

LEASE HUERFANO WELL NO. 6 T259 CONTRACTOR COFTIS CO RIG NO. IRI REPORT NO. DATE 8-9 1983

MORNING

Driller Total Men In Crew

FROM	TO	FORMATION	WT-BIT	R.P.M.
0	30	SAND		
30	68	Shale		
68	107	SAND STREAKS OF SANDSTONE		
107	183	Shale		

NO. DC ____ SIZE ____ LENG. ____

BIT NO. ____ NO. DC ____ SIZE ____ LENG. ____

SERIAL NO. ____ STANDS ____

SIZE ____ SINGLES ____

TYPE ____ DOWN ON KELLY ____

MAKE ____ TOTAL DEPTH ____

MUD RECORD			MUD, ADDITIVES USED AND RECEIVED
Time	Wt.	Vis.	

FROM	TO	TIME BREAKDOWN

REMARKS –

Appr. 1 gpm of water

DAYLIGHT

Driller Total Men In Crew

FROM	TO	FORMATION	WT-BIT	R.P.M.
183	217	SAND STREAKS OF SAND STONE		
217	480	Shale		
480	490	SAND		
490	600	Shale		

NO. DC ____ SIZE ____ LENG. ____

BIT NO. ____ NO. DC ____ SIZE ____ LENG. ____

SERIAL NO. ____ STANDS ____

SIZE ____ SINGLES ____

TYPE ____ DOWN ON KELLY ____

MAKE ____ TOTAL DEPTH ____

MUD RECORD			MUD, ADDITIVES USED AND RECEIVED
Time	Wt.	Vis.	

FROM	TO	TIME BREAKDOWN

REMARKS –

EVENING

Driller Total Men In Crew

FROM	TO	FORMATION	WT-BIT	R.P.M.

NO. DC ____ SIZE ____ LENG. ____

BIT NO. ____ NO. DC ____ SIZE ____ LENG. ____

SERIAL NO. ____ STANDS ____

SIZE ____ SINGLES ____

TYPE ____ DOWN ON KELLY ____

MAKE ____ TOTAL DEPTH ____

MUD RECORD			MUD, ADDITIVES USED AND RECEIVED
Time	Wt.	Vis.	

FROM	TO	TIME BREAKDOWN

REMARKS –

SIGNED: Toolpusher ____ Company Supervisor Roger Smith

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

Operator MERIDIAN OIL Location: Unit NW Sec. 6 Twp 26 Rng 10

Name of Well/Wells or Pipeline Serviced HUERFANO UNIT #67, #259

cps 952w

Elevation 6528' Completion Date 9/4/75 Total Depth 375' Land Type* N/A

Casing, Sizes, Types & Depths 78' OF STEEL PIPE

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

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

N/a

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

Fresh, Clear, Salty, Sulphur, Etc. 190'

Depths gas encountered: N/A

Type & amount of coke breeze used: 4000 lbs.

Depths anodes placed: 340', 330', 320', 310', 300', 290', 280', 220', 210', 200'

Depths vent pipes placed: N/A

Vent pipe perforations: 200'

Remarks: gb #1

RECEIVED
MAY 31 1991
OIL C

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.

Form 7-38 (Rev. 1-69)

WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

Page 4

Drilling Log (Attach Hereto). ☐

Completion Date 9-I-7

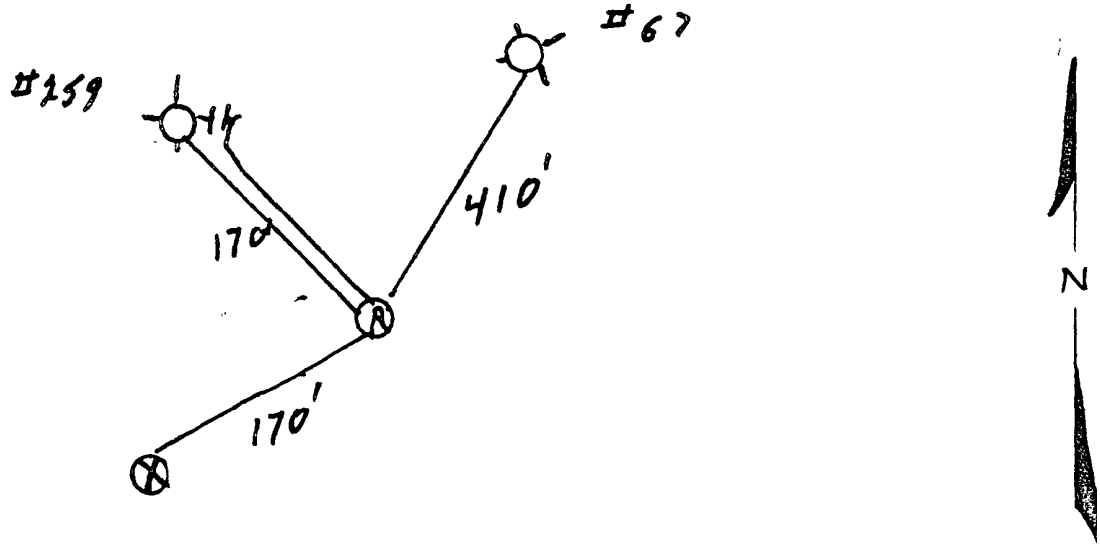
Well Name: Huerfano #259 Huerfano #67				Location: NW 6-26N-10W				CPS No.: 952 W	
Type & Size Bit Used: 6 3/4"								Work Order: 55608.19-50-20 52979.19-50-20	
Anode Hole Depth: 375		Total Drilling Rig Time		Total Lbs. Coke Used: 4,000		Lost Circulation Mat'l Used		No. Sacks Mud Used	
Anode Depth									
# 1: 340	# 2: 330	# 3: 320	# 4: 310	# 5: 300	# 6: 290	# 7: 280	# 8: 220	# 9: 210	# 10: 20
Anode Output (Amps)									
# 1: 5.4	# 2: 4.6	# 3: 4.6	# 4: 5.6	# 5: 4.6	# 6: 5.0	# 7: 4.6	# 8: 4.8	# 9: 4.8	# 10: 4.
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: 16.0		Ohms: 0.73	3100				

Remarks: Drill with Air Driller said water at 18 switch to Mud at 250' No cuttings Return Attempt to log Hole caving. set 78' steel casing. 5 hrs Rig Time setting casing cleaning out Hole. Vent Hose Perfor 200'

All Construction Completed

Edward R. Paulk
(Signature)

GROUND BED LAYOUT SKETCH



Original & 1 Copy All Reports

MORGAN DRILLING COMPANY

P.O. Box 326 • Broken Bow, Oklahoma 74728

Ph. Office 405/584-6000
Mobile 584-6860
Night 420-3248

DATE 9-4-75

Work Order No. 55668-19-50-26 52979

CUSTOMER	SERVICE ADDRESS	CITY
El Paso Gas	Farmington N.M.	Farmington N.M.

TEL. NO.	REQ. NO.	SERVICEMAN	VEHICLE NO.	DATE COMPLETED
CR 952		Morgan Drilling	T4	

LITHOLOGIC LOG

Material	From	To	Water Strata	Time
Brown shale	190	285	190	
Sandstone	285	310		
Brown shale	310	315		

Date started _____, 19__
Date completed _____, 19__

INSTRUCTIONS:

SERVICE PERFORMED:

TOTAL DEPTH 354'

RIG TIME 5 hr

WATER TRUCK

DRILLERS CERTIFICATION

This well was drilled under my supervision and the report is true to the b of my knowledge.

Name Bob Nelson

Address

Well driller's license number

Signed

Date

1064
250
1318

Customer's Signature

By Edward R. Paulek

Received by OCD: 1/13/2026 10:44:06 AM

EL PASO NATURAL GAS COMPANY
ENGINEERING DEPARTMENT

Date:

By:

952W

	190	2.2	70	Driller said water @ 190'
		2.4		Vent Perforated 200'
10	200	2.4	80	
		2.4		
9	10	2.4	90	
		2.4		
8	20	2.4	400	
		2.4		
	30	2.1		
		1.9		
	40	1.8		
		1.4		
	50	1.4		
		1.2		
	60	1.0		
		1.2		
	70	1.4		
		1.6		
7	80	2.2		
		2.4		
6	90	2.4		
		2.4		
5	300	2.4		
		2.4		
4	10	2.4		
		2.4		
3	20	2.2		
		2.2		
2	30	2.4		
		2.4		
1	40	2.6		
		2.4		
	50	2.4		
			356 Bottom	
	60			

MW		gals/min
16	C_1	9.4
30	C_2	[illegible]
44	C_3	10.42
58	IC_4	12.38
"	NC_4	11.93
72	IC_5	13.85
"	NC_5	13.71
86	IC_6	15.50
"	C_6	15.57
100	IC_7	17.2
"	C_7	17.46
114	C_8	[illegible]
28	CO	9.64
42	$C_3^=$	9.67

MISC		
MW		gals/min
44	CO_2	6.35
34	H_2S	[illegible]
28	N_2	4.16
2	H_2	3.38

1	340	2.6	5.4
2	330	2.6	4.6
3	320	2.4	4.6
4	310	3.4	5.6
5	300	2.4	4.6
6	290	2.4	5.0
7	280	2.2	4.6
8	220	2.4	4.8
9	210	2.4	4.8
10	200	2.4	4.8
		11.8	16.0	0.73

2800
300
3100

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608 65-30-045-05906
92-30-045-05916

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

Operator MERIDIAN OIL Location: Unit SW Sec. 12 Twp 26 Rng 9

Name of Well/Wells or Pipeline Serviced HUERFANITO UNIT #92, #65

cps 1019w

Elevation 6312' Completion Date 8/12/75 Total Depth 400' Land Type* N/A

Casing, Sizes, Types & Depths N/A

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

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

N/A

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

Fresh, Clear, Salty, Sulphur, Etc. 225'

Depths gas encountered: N/A

Type & amount of coke breeze used: 36 SACKS

Depths anodes placed: 360', 350', 340', 330', 320', 310', 255', 245', 235', 225'

Depths vent pipes placed: 360'

Vent pipe perforations: 260'

Remarks: gb #1

RECEIVED
MAY 31 1991
OIL CON. DIV
DIST

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

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

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

WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

Drilling Log (Attach Hereto). ☐

Completion Date 8/12/75

Well Name Huerfanito Unit #92 " " #65			Location SW-12-26-9				CPS No. 1019 W		
Type & Size Bit Used 6 3/4							Work Order No. 54382.19-50- 90272.19-50-20		
Anode Hole Depth 400'		Total Drilling Rig Time		Total Lbs. Coke Used 36 sacks		Lost Circulation Mat'l Used		No. Sacks Mud Used	
Anode Depth									
# 1 360'	# 2 350'	# 3 340'	# 4 330'	# 5 320'	# 6 310'	# 7 255'	# 8 245'	# 9 235'	# 10 225'
Anode Output (Amps)									
# 1 4.2	# 2 3.8	# 3 3.7	# 4 3.8	# 5 3.2	# 6 3.6	# 7 2.6	# 8 3.2	# 9 4.4	# 10 5.2
Anode Depth									
# 11	# 12	# 13	# 14	# 15	# 16	# 17	# 18	# 19	# 20
Anode Output (Amps)									
# 11	# 12	# 13	# 14	# 15	# 16	# 17	# 18	# 19	# 20
Total Circuit Resistance					No. 8 C.P. Cable Used			No. 2 C.P. Cable Used	
Volts 13 V		Amps 16.5 A		Ohms .79	3270'				

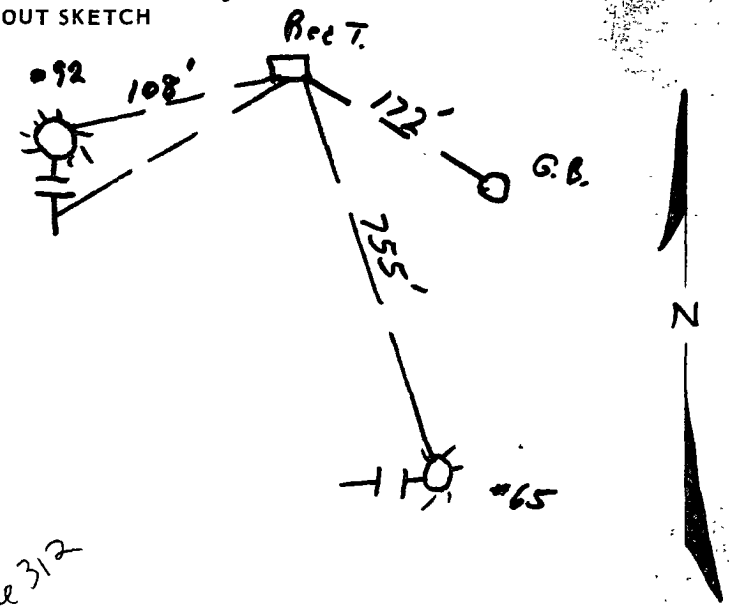
Remarks: Driller said water at 225'. Log stopped at 381'. Perforated 200' of vent pipe. Vent on #1 anode. Drilled to 225' with air, then started injecting water.

Driller 1188.72
Mate 341.12
Imp — 213.40
Wire 304.11
Coke 216.00
Anodes 264.60
Vent 23.00
J Box 86.00
Rect 333.50
Misc 50.00
3020.45

All Construction Completed

J E Stalb
(Signature)

GROUND BED LAYOUT SKETCH



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1143

Received by OCD: 1/13/2026 10:44:06 AM

EL PASO NATURAL GAS COMPANY
ENGINEERING DEPARTMENT

Date:
By:

CPS 1019 W

MW		gals/mol
16	C_1	8 4
30	C_2	10 12
44	C_3	10 42
58	IC_4	12 38
"	NC_4	11 93
72	IC_5	13 85
"	NC_5	13 71
86	IC_6	15 50
"	C_6	15 57
100	IC_7	17 2
"	C_7	17 46
114	C_8	19 79
28	$C_2^=$	9 64
42	$C_3^=$	9 67

MISC		
MW		gals/mol
44	CO_2	6 38
34	H_2S	5 17
28	N_2	4 16
2	H_2	3 38

225 - 2.2 -
30 - 2.2
- 2.2 -
40 - 2.1
- 1.8 -
50 - 1.6
- 1.6 -
60 - 1.0
- .9
70 - .6
- .6
80 - .6
- .8
90 - .7
- .7
300 - 1.3
- 1.3
10 - 2.0 -
- 1.8
20 - 1.8 -
- 2.0
30 - 2.0 -
- 1.8
40 - 1.8 -
- 2.0
50 - 1.9 -
- 1.9
60 - 1.9 -
- 1.9
70 - 1.7
- 1.6
80 -
-
90 -
-
400 -

* 1 - 360 - 2.2 - 4.2
* 2 - 350 - 2.2 - 3.8
* 3 - 340 - 2.1 - 3.7
* 4 - 330 - 2.3 - 3.8
* 5 - 320 - 2.0 - 3.2
* 6 - 310 - 2.3 - 3.6
* 7 - 255 - 1.6 - 2.6
* 8 - 245 - 1.9 - 3.2
* 9 - 235 - 2.6 - 4.4
* 10 - 225 - 2.4 - 5.2

[illegible] bottom 210' perforated vent

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MORGAN DRILLING COMPANY

P.O. Box 326 • Broken Bow, Oklahoma 74728

Ph. Office 405/584-6000
Mobile 584-6860
Night 420-3248

DATE 8-12-75

Work Order No. 54322-19-30-20
90272-19-30-26

Westpoint-unit-92-65

CUSTOMER	SERVICE ADDRESS	CITY
El Paso Nat Co	Farmington New Mexico	

TEL. NO.	REQ. NO.	SERVICEMAN	VEHICLE NO.	DATE COMPLETED
Hco 10196		Morgan Drilling	T.4.	

LITHOLOGIC LOG

Material	From	To	Water Strata	Time
Gray shale	140	160	180	
Tan sandy shale	160	200		
Blue shale	200	270		
Tan sandstone	270	330		
Blue shale	330	400		

Date started _____, 19__
Date completed _____, 19__

INSTRUCTIONS:

SERVICE PERFORMED:

TOTAL DEPTH 381'

RIG TIME

WATER TRUCK

DRILLERS CERTIFICATION

This well was drilled under my supervision and the report is true to the best of my knowledge.

Name [illegible]

Address

Well driller's license number

Signed

Date

Customer's Signature

By [illegible]

Released to Imaging: 1/13/2026 10:47:10 AM

91-30-045-05963 E

809 66-30-045-05944

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

Operator MEIDIAN OIL Location: Unit NE Sec. 12 Twp 26 Rng 9

Name of Well/Wells or Pipeline Serviced HUERFANITO UNIT #91, #66

cps 1018w

Elevation 6188' Completion Date 8/12/75 Total Depth 450' Land Type* N/A

Casing, Sizes, Types & Depths N/A

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

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

N/A

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

Fresh, Clear, Salty, Sulphur, Etc. 225'

Depths gas encountered: N/A

Type & amount of coke breeze used: 38 SACKS

Depths anodes placed: 395', 385', 365', 355', 345', 335', 325', 285', 255', 245'

Depths vent pipes placed: 395'

Vent pipe perforations: 210'

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.

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

WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

Drilling Log (Attach Hereto). ☐

Completion Date 8/12/75

Well Name HUERFANITO UNIT #91 " " #66	Location NE-12-26-9	CPS No. 1018W
Type & Size Bit Used 6 3/4"		Work Order No. 54387-19-50-90273.19-50-20

Anode Hole Depth	Total Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used	No. Sacks Mud Used
450'		38 SACKS		

Anode Depth	# 1 395'	# 2 385'	# 3 365'	# 4 355'	# 5 345'	# 6 335'	# 7 325'	# 8 285'	# 9 255'	# 10 245'
Anode Output (Amps)	# 1 3.0	# 2 3.4	# 3 3.8	# 4 3.6	# 5 3.4	# 6 3.4	# 7 3.8	# 8 4.1	# 9 4.0	# 10 3.3
Anode Depth	# 11	# 12	# 13	# 14	# 15	# 16	# 17	# 18	# 19	# 20
Anode Output (Amps)	# 11	# 12	# 13	# 14	# 15	# 16	# 17	# 18	# 19	# 20

Total Circuit Resistance			No. 8 C.P. Cable Used	No. 2 C.P. Cable Used
Volts 13 V	Amps 12.5	Ohms 1.04	3590'	

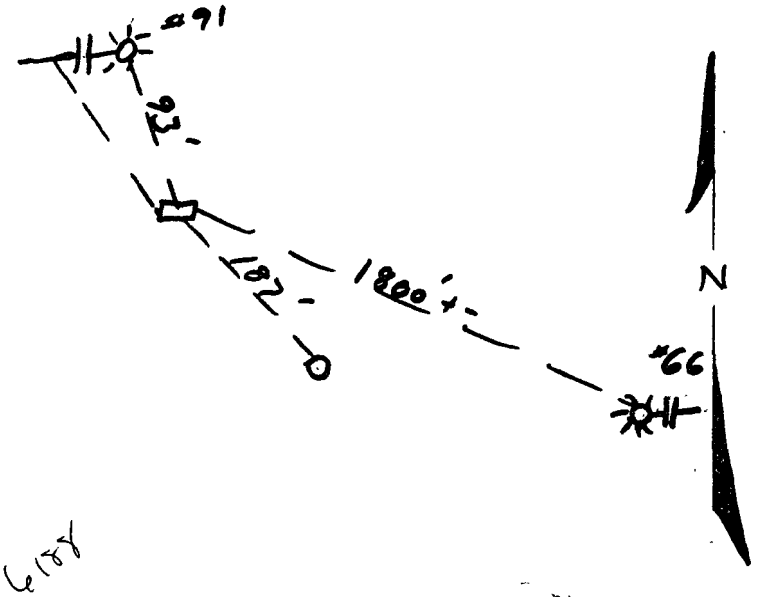
Remarks: Driller said water at 225', Loged Hole Depth at 426' Drilled with air to 230', started injecting water. Perferated 210' of vent. Vent pipe on #1 Anode.

Driller 1329.12
Mate 406.12
Imp - 213.40
Wire 333.87
Coke 228.00
Anodes 264.60
T Box 86.00
Rect 333.50
Vent 23.00
Misc 50.00
3267.61

All Construction Completed

(Signature)

GROUND BED LAYOUT SKETCH



6158

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MORGAN DRILLING COMPANY

P.O. Box 326 • Broken Bow, Oklahoma 74728

Ph. Office 405/584-6000
Mobile 584-6860
Night 420-3248

DATE 8-12-75

Work Order No. 54387-1550-20 90273

Westport

CUSTOMER	SERVICE ADDRESS	CITY
El Paso Gas Co	Farmington New Mexico	Farmington N.M.

REL. NO.	REQ. NO.	SERVICEMAN	VEHICLE NO.	DATE COMPLETED
CPS 1012 W		Morgan Drilling	T-4	8-12-75

LITHOLOGIC LOG

Material	From	To	Water Strata	Time
Gray sandstone	150	260		
Blue shale	260	280		
Gray sandstone	280	300		
Blue shale	300	320		
Gray sandstone	320	330		
Blue shale	330	450		

Date started _____, 19__
Date completed _____, 19__

INSTRUCTIONS:

SERVICE PERFORMED:

TOTAL DEPTH 426'

RIG TIME

WATER TRUCK

DRILLERS CERTIFICATION

This well was drilled under my supervision and the report is true to the best of my knowledge.

Name Alb Gibson

Address

Well driller's license number

Signed

Date

Customer's Signature

By J E Stotts

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EL PASO NATURAL GAS COMPANY
ENGINEERING DEPARTMENT

Sheet
Date:
By:

CPS 1018 W

MW		gals/mol
16	C_1	5 4
30	C_2	10 12
44	C_3	10 42
58	IC_4	12 38
"	NC_4	11 93
72	IC_5	13 85
"	NC_5	13 71
86	IC_6	15 59
"	C_6	15 57
100	IC_7	17 2
"	C_7	17 46
114	C_8	19 99
28	$C_2^=$	9 64
42	$C_3^=$	9 67

MISC.		
MW		gals/mol
44	CO_2	5 38
34	H_2S	5 67
28	N_2	4 16
2	H_2	3 38

300 — 1.0
— 1.0
10 — 1.0
— 1.1
20 — 1.2
— 1.8 —
30 — 1.7
— 1.8 —
40 — 1.7
— 1.8 —
50 — 1.8
— 1.8 —
60 — 1.8
— 1.6 —
70 — .9
— .5
80 — 1.3
— 1.7 —
90 — 1.7
— 1.6 —
400 — 1.5
— 1.2
10 — 1.1
— 1.2
20 — 1.4
—
30 —
—
40 —
—
50 —

225 — .6
230 — .6
.6
40 — .4
1.7 —
50 — 1.6
1.9 —
60 — 1.8
1.4
70 — 1.8
.7
80 — .8
1.8 —
90 — 1.6
1.0

1 — 395 — 1.9 — 3.0
2 — 385 — 2.0 — 3.4
3 — 365 — 1.8 — 2.8
4 — 355 — 2.3 — 3.6
5 — 345 — 2.2 — 3.4
6 — 335 — 2.2 — 3.4
7 — 325 — 2.0 — 3.8
8 — 285 — 2.4 — 4.1
9 — 255 — 2.4 — 4.0
10 — 245 — 2.1 — 3.3

4 2 6 - 8 Tim

210' Perforated Vent

Water 225'

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#1E 30-045-29141
#1A 30-045-05818

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

Operator Meridian Oil Inc. Location: Unit M Sec. 13 Twp 26 Rng 09

Name of Well/Wells or Pipeline Serviced
Tibber Fed #1E and Payne #1A

Elevation 6326' Completion Date 1/31/95 Total Depth 431' Land Type F

Casing Strings, Sizes, Types & Depths 1/28 Set 97' of 8" PVC Casing.
No Gas, Water, or Boulders Were Encountered During Casing

If Casing Strings are cemented, show amounts & types used Cemented
With 21 Sacks.

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

Depths & thickness of water zones with description of water: Fresh, Clear, Salty, Sulphur, Etc. Hit Fresh Water at 170'. A Water Sample Was Taken.

Depths gas encountered: None

Ground bed depth with type & amount of coke breeze used: 431' Depth.
Used 54 Sacks of Loresco SW (5400#)

Depths anodes placed: 410', 400', 390', 380', 370', 360', 270', 260', 250', 230', 220', 205', 185', 175', + 155'.

Depths vent pipes placed: Surface To 431'.

Vent pipe perforations: Bottom 300'.

Remarks:

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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.

2639W 30-045-20002

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

Operator Meridian Oil Inc. Location: Unit P Sec. 13 Twp 26 Rng 09

Name of Well/Wells or Pipeline Serviced
Tibber Fed. #2

Elevation ____ Completion Date 4/27/94 Total Depth 418' Land Type F

Casing Strings, Sizes, Types & Depths 4/26 Set 98' of 8" PVC Casing. No Gas, Water, or Boulders Were Encountered During Casing.

If Casing Strings are cemented, show amounts & types used Cemented With 22 Sacks.

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

Depths & thickness of water zones with description of water: Fresh, Clear, Salty, Sulphur, Etc. Hit Some Fresh Water at 120', And a Major Water Vein at 210'. A Water Sample Was Taken.

Depths gas encountered: None

Ground bed depth with type & amount of coke breeze used: 418' Depth. Used 55 Sacks of Loresco SW (5500#)

Depths anodes placed: 343', 336', 329', 322', 315', 308', 301', 294', 215', 165', 158', 151', 144', 137', + 130'.

Depths vent pipes placed: Surface To 418'.

Vent pipe perforations: Bottom 300'.

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.

807

4- 30-045-05822
14- 30-045-05840

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

Operator MERIDIAN OIL Location: Unit SW Sec. 14 Twp 26 Rng 9

Name of Well/Wells or Pipeline Serviced BALLARD #14, #4

cps 1020w

Elevation 6350' Completion Date 8/13/75 Total Depth 400' Land Type* N/A

Casing, Sizes, Types & Depths N/A

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

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

N/A

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

Fresh, Clear, Salty, Sulphur, Etc. 200'

Depths gas encountered: N/A

Type & amount of coke breeze used: 34 SACKS

Depths anodes placed: 345', 335', 325', 315', 305', 295', 285', 270', 260', 250'

Depths vent pipes placed: 345'

Vent pipe perforations: 200'

Remarks: gb #1

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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.

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

WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

Drilling Log (Attach Hereto). ☐

Completion Date 8/13/75

Well Name BALLARD #14 " #4	Location SW-14-26-9		CPS No. 1020 W
Type & Size Bit Used 6 3/4"			Work Order No. 91032.19-50-2 90230.19-50-2
Anode Hole Depth 400'	Total Drilling Rig Time	Total Lbs. Coke Used 34 SACKS	Lost Circulation Mat'l Used / No. Sacks Mud Used

Anode Depth	# 1 345'	# 2 335'	# 3 325'	# 4 315'	# 5 305'	# 6 295'	# 7 285'	# 8 270'	# 9 260' # 10 250'
Anode Output (Amps)	# 1 4.2	# 2 4.2	# 3 4.2	# 4 4.3	# 5 4.2	# 6 4.2	# 7 3.9	# 8 4.0	# 9 4.8 # 10 4.5
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			
Volts 11.5 V	Amps 15 A	Ohms .77	No. 8 C.P. Cable Used 3285' / No. 2 C.P. Cable Used

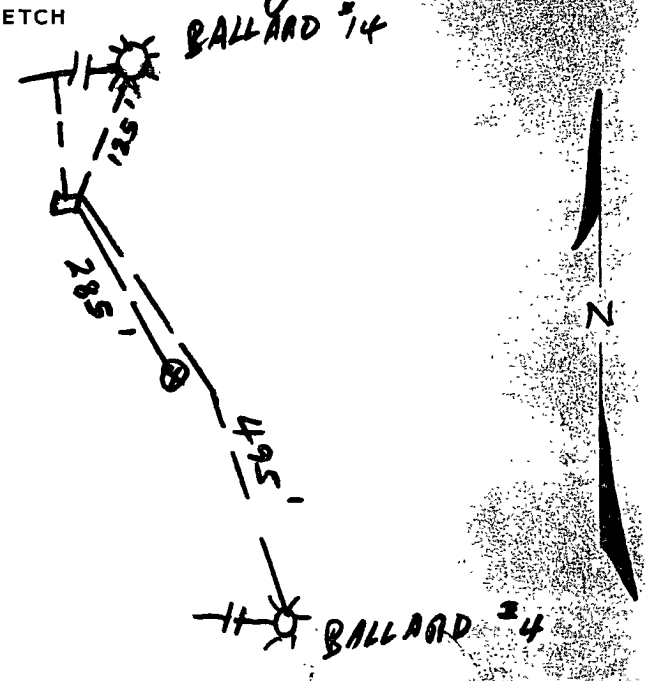
Remarks: Driller said water at 200'. Log stopped at 378'. Perforated vent 200'. Vent pipe on #1 Anode

Driller - 1179.36
Mate - 324.40
Supp - 218.40
Wire 305.51
Coke 204.00
Anodes 244.60
J Box 84.00
Rect 333.50
Vent 23.00
misc. 50.00
3033.77

All Construction Completed

(Signature)

GROUND BED LAYOUT SKETCH



6350

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EL PASO NATURAL GAS COMPANY
ENGINEERING DEPARTMENT

Date:

By:

CPS - 1020 W

MW		gals/mol
16	C_1	6 4
30	C_2	10 12
44	C_3	10 42
58	IC_4	12 38
"	NC_4	11 93
72	IC_5	13 85
"	NC_5	13 71
86	IC_6	15 50
"	C_6	15 57
100	IC_7	17 2
"	C_7	17 46
114	C_8	19 99
28	$C_2^=$	9 64
42	$C_3^=$	9 67

MISC		
MW		gals/mol
44	CO_2	6 38
34	H_2S	5 17
28	N_2	4 16
2	H_2	3 38

200 - 1.0	80 -
- 2.0	-
10 - 2.1	90 -
- 2.2	-
20 - 2.2	400 -
- 2.0	
30 - 1.8	
- 1.7	
40 - 1.6	
- 1.7	
50 - 2.4	
- 2.4	
60 - 2.5	
- 2.5	
70 - 2.3	
- 2.1	
80 - 2.2	
- 2.2	
90 - 2.0	
- 2.2	
300 - 2.2	
- 2.2	
10 - 2.1	
- 2.2	
20 - 2.2	
- 2.2	
30 - 2.0	
- 2.0	
40 - 2.0	
- 2.2	
50 - 1.8	
- 1.2	
60 - 1.0	
- 1.0	
70 - 1.6	
- 2.0	

1 - 345'	- 2.6A	- 4.2
2 - 335'	- 2.4A	- 4.2
3 - 325'	- 2.6	- 4.2
4 - 315'	- 2.6	- 4.3
5 - 305'	- 2.5	- 4.2
6 - 295'	- 2.65	- 4.2
7 - 285'	- 2.5	- 3.9
8 - 270'	- 2.75	- 4.0
9 - 260'	- 3.1	- 4.8
10 - 250'	- 2.9	- 4.5

200' of Vent Perforated Water at 200'

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MORGAN DRILLING COMPANY

P.O. Box 326 • Broken Bow, Oklahoma 74728

Ph. Office 405/584-6000
Mobile 584-6860
Night 420-3248

DATE 8-13-75

Work Order No. 90250 91032 -19-50-2

Ballard Unit 4-14

CUSTOMER	SERVICE ADDRESS	CITY
El Paso Nat Gas Co	Box 990 Zip 87401 Farmington New Mexico	Farmington N M

TEL. NO.	REQ. NO.	SERVICEMAN	VEHICLE NO.	DATE COMPLETED
~~CPS 1022W~~ CPS-1020W		Morgan Drilling	T4.	

JS

LITHOLOGIC LOG

Material	From	To	Water Strata	Time
Gray sandstone	140	150	160	
Gray sandy shale	150	170		
Blue shale	170	370		
Gray sandstone	370	400		

Date started _____ , 19__
Date completed _____ , 19__

INSTRUCTIONS:

SERVICE PERFORMED:

TOTAL DEPTH 378 ft

RIG TIME

WATER TRUCK

DRILLERS CERTIFICATION

This well was drilled under my supervision and the report is true to the be of my knowledge.

Name Alb Gibson

Address

Well driller's license number

Signed

Date

Customer's Signature

By J E Stotts

#6 30-045-05837

#13 30-045-13028

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

Operator MERIDIAN OIL Location: Unit NW Sec. 14 Twp 26 Rng 9

Name of Well/Wells or Pipeline Serviced BALLARD #6, #13

cps 875w

Elevation 6310' Completion Date 7/7/71 Total Depth 480' Land Type* N/A

Casing, Sizes, Types & Depths N/A

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

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

N/A

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

Fresh, Clear, Salty, Sulphur, Etc. 110', 135'-150', 225'-260'

Depths gas encountered: N/A

Type & amount of coke breeze used: N/A

Depths anodes placed: 425', 415', 405', 395', 380', 370', 360', 350', 340', 330'

Depths vent pipes placed: 425'

Vent pipe perforations: 300'

Remarks: gb #1

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

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

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

WELL ~~CASING~~
CATHODIC PROTECTION CONSTRUCTION REPORT
DAI~~LY LOG~~

Drilling Log (Attach Hereto). ☐

Completion Date 7/7/71

Well Name Ballard # 13 Ballard # 6	Location NW 14- 25N -9W	CPS No. 875 W
Type & Size Bit Used 6 3/4		Work Order No. 184-91031-19-50-20 184-90027-19-50-20

Anode Hole Depth	Total Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used	No. Sacks Mud Used
450'				

Anode Depth	# 1 425	# 2 415	# 3 405	# 4 395	# 5 380	# 6 370	# 7 360	# 8 350	# 9 340	# 10 330
Anode Output (Amps)	# 1 4.4	# 2 5.3	# 3 6.8	# 4 4.6	# 5 3.7	# 6 5.3	# 7 4.0	# 8 4.2	# 9 4.9	# 10 4.4
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

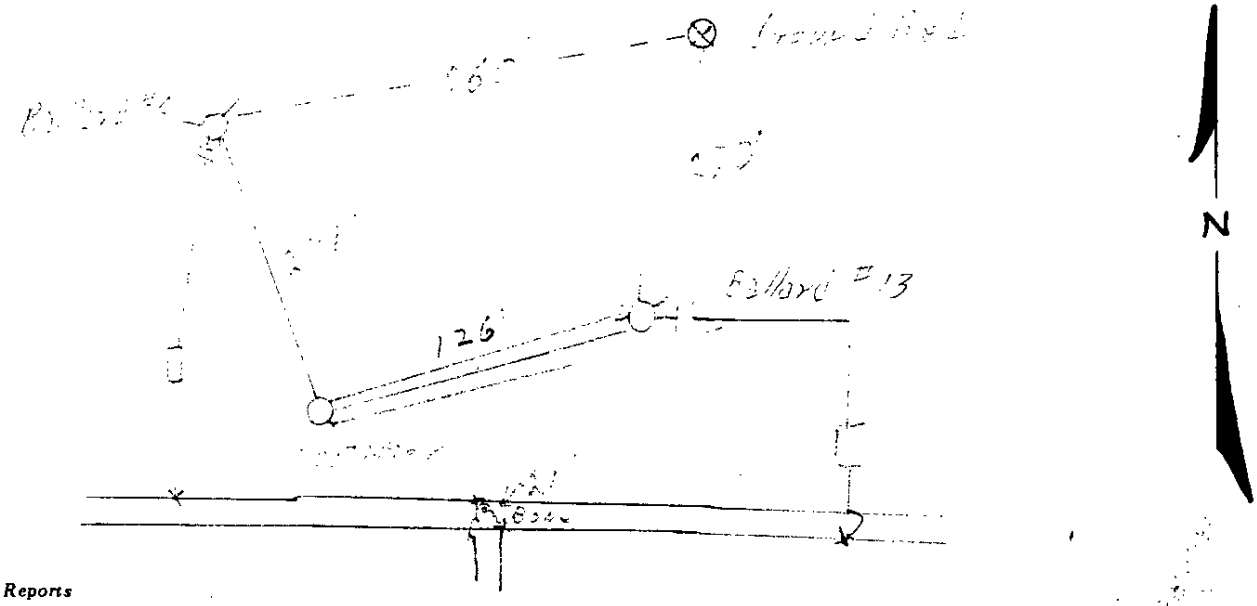
Total Circuit Resistance			No. 8 C.P. Cable Used	No. 2 C.P. Cable Used
Volts 12.8	Amps 16.2	Ohms .78 Ω	982'	

Remarks: {Ballard # 13 STATIC C/S 600' N = .74} Vent Hose Perforated
{Ballard # 6 STATIC C/S 600' N = .73} 300' To # 1 Anode
water @ 110 - 110, 135' - 150', 225' - 260'. water standing in Hole
in morning @ 120'
Wires marked = 1 notch = Ballard 13 3 notches = Ballard # 6
2 notches = Flowline

All Construction Completed

J. Pauch
(Signature)

GROUND BED LAYOUT SKETCH



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EL PASO NATURAL GAS COMPANY

ENGINEERING DEPARTMENT

Sheet ___ of ___
Date: ______
By: ______

Ballard # 13
CPS 875 W

100		70	1.20	40	1.58			
			.92		1.20			
10		80	1.82	50	.75			
			1.42		.73			
20		90	.68	60	.74	Bottom		
	2.5		.40					
30	2.5	300	1.07					
	2.4		.88					
40	2.0	10	.66					
	1.85		.72					
50	2.1	20	.75		Depth	Water		Coke
	2.1		1.12	1	425	1.1		4.4
60	2.2	30	2.1	2	415	1.6		5.3
	2.2		2.4	3	405	2.8		6.8
70	2.0	40	2.2	4	395	2.1		4.6
	1.95		2.1	5	380	2.0		3.7
80	1.92	50	2.1	6	370	2.3		5.3
	1.90		2.0	7	360	2.1		4.0
90	2.0	60	2.0	8	.350	2.2		4.2
	2.0		2.1	9	.340	2.3		4.9
200	[illegible]	70	2.2	10	.330	2.1		4.4
	[illegible]		2.3		12.8A	16.2A		.78Ω
10	[illegible]	80	2.0			Pay		
	[illegible]		1.33	1	1.49	⑥	1.70	
[illegible]	[illegible]	90	1.69	2	1.74	7	1.26	
	1.7[illegible]		1.91	3	2.50	8	1.32	
[illegible]	[illegible]	400	2.5	4	1.50	9	1.58	
	[illegible]		2.6	5	1.15	10	1.45	
[illegible]	.74	10	2.7					
	.75		2.4	Bottom Anode + 20 = 450'				
[illegible]	.70	20	2.2	Dist = 561' @ [illegible]				
	1.29		2.0	= 112.20				
[illegible]	1.88	30	1.76	Pay Total Depth 508'				
	1.42		1.71	[illegible]				

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Form 22-2 (Rev. 1-61)

EL PASO NATURAL GAS COMPANY

DRILLING DEPARTMENT

DAILY DRILLING REPORT

C.P.S# 875 W

LEASE WELL NO. Ballard 13 CONTRACTOR Joe Morrow RIG NO. 1 REPORT NO. DATE 7-6 1971

MORNING

Driller Morrow Total Men In Crew

FROM	TO	FORMATION	WT-BIT	R.P.M.
320	445	sandy shale		
445	450	sand		

BIT NO.
SERIAL NO.
SIZE
TYPE
MAKE

NO. DC SIZE LENG.
NO. DC SIZE LENG.
STANDS
SINGLES
DOWN ON KELLY
TOTAL DEPTH

MUD RECORD			MUD, ADDITIVES USED AND RECEIVED
Time	Wt.	Vis.	

FROM	TO	TIME BREAKDOWN
7:30	11:00	wait to log hole
11:00	11:30	log
11:30	12:30	wait back in hole washed up
12:30	5:30	drlg. to 450 ft

REMARKS –

DAYLIGHT

Driller Total Men In Crew

FROM	TO	FORMATION	WT-BIT	R.P.M.

BIT NO.
SERIAL NO.
SIZE
TYPE
MAKE

NO. DC SIZE LENG.
NO. DC SIZE LENG.
STANDS
SINGLES
DOWN ON KELLY
TOTAL DEPTH

MUD RECORD			MUD, ADDITIVES USED AND RECEIVED
Time	Wt.	Vis.	

FROM	TO	TIME BREAKDOWN

REMARKS –

EVENING

Driller Total Men In Crew

FROM	TO	FORMATION	WT-BIT	R.P.M.

BIT NO.
SERIAL NO.
SIZE
TYPE
MAKE

NO. DC SIZE LENG.
NO. DC SIZE LENG.
STANDS
SINGLES
DOWN ON KELLY
TOTAL DEPTH

MUD RECORD			MUD, ADDITIVES USED AND RECEIVED
Time	Wt.	Vis.	

FROM	TO	TIME BREAKDOWN

REMARKS –

SIGNED: Toolpusher _____ Company Supervisor _____

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Form 22-2 (Rev. 1-61)

EL PASO NATURAL GAS COMPANY

DRILLING DEPARTMENT

C.P.S. 875w

DAILY DRILLING REPORT

LEASE E.P.N.G. WELL NO. Ballard 13 CONTRACTOR Joe Morrow RIG NO. 1 REPORT NO. DATE 7-5 1991

MORNING

Driller Morrow Total Men In Crew 3

FROM	TO	FORMATION	WT-BIT	R.P.M.
0	25	loose sand		
25	30	clay		
30	35	grey sand quartz		
35	100	shale		

BIT NO.
SERIAL NO.
SIZE
TYPE
MAKE

NO. DC ___ SIZE ___ LENG. ___
NO. DC ___ SIZE ___ LENG. ___
STANDS
SINGLES
DOWN ON KELLY
TOTAL DEPTH

MUD RECORD

Time	Wt.	Vis.

MUD, ADDITIVES USED AND RECEIVED

FROM	TO	TIME BREAKDOWN
7:00	8:30	moved and rig up
8:30	2:00	drilled hole pulled out to log.

REMARKS –

DAYLIGHT

Driller Total Men In Crew

FROM	TO	FORMATION	WT-BIT	R.P.M.
100	110	wet sand		
110	135	shaley sand		
135	150	wet sand		
150	190	shaley sand		

BIT NO.
SERIAL NO.
SIZE
TYPE
MAKE

NO. DC ___ SIZE ___ LENG. ___
NO. DC ___ SIZE ___ LENG. ___
STANDS
SINGLES
DOWN ON KELLY
TOTAL DEPTH

MUD RECORD

Time	Wt.	Vis.

MUD, ADDITIVES USED AND RECEIVED

FROM	TO	TIME BREAKDOWN

REMARKS –

EVENING

Driller Total Men In Crew

FROM	TO	FORMATION	WT-BIT	R.P.M.
190	200	shale		
200	225	shaley sand		
225	260	sand		
260	265	shale		
265	330	sand		

BIT NO.
SERIAL NO.
SIZE
TYPE
MAKE

NO. DC ___ SIZE ___ LENG. ___
NO. DC ___ SIZE ___ LENG. ___
STANDS
SINGLES
DOWN ON KELLY
TOTAL DEPTH

MUD RECORD

Time	Wt.	Vis.

MUD, ADDITIVES USED AND RECEIVED

FROM	TO	TIME BREAKDOWN

REMARKS –

SIGNED: Toolpusher Joe Morrow Company Supervisor

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2392

30-045-26361

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 A Sec. 14 Twp 26 Rng 9

Name of Well/Wells or Pipeline Serviced BALLARD #13E

cps 1813w

Elevation 6286' Completion Date 8/14/87 Total Depth 400' Land Type* N/A

Casing, Sizes, Types & Depths N/A

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

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

N/A

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

Fresh, Clear, Salty, Sulphur, Etc. 150' SAMPLE TAKEN

Depths gas encountered: N/A

Type & amount of coke breeze used: N/A

Depths anodes placed: 375', 365', 355', 345', 335', 325', 290', 240', 230', 220'

Depths vent pipes placed: N/A

Vent pipe perforations: 310'

Remarks: gb #1

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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.

2391

30-045-26453

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 O Sec. 14 Twp 26 Rng 9

Name of Well/Wells or Pipeline Serviced BALLARD #14E

cps 1814w

Elevation 6330' Completion Date 8/13/87 Total Depth 400' Land Type* N/A

Casing, Sizes, Types & Depths N/A

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

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

N/A

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

Fresh, Clear, Salty, Sulphur, Etc. 150' & 220' SAMPLE TAKEN

Depths gas encountered: N/A

Type & amount of coke breeze used: N/A

Depths anodes placed: 340', 330', 320', 310', 280', 240', 230', 220', 210', 200'

Depths vent pipes placed: N/A

Vent pipe perforations: 180'

Remarks: gb #1

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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.

9-30-045-05824 12-30-045-05839

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

17-30-045-21406

Operator Meridian Oil Inc. Location: Unit O Sec. 15 Twp 26 Rng 9

Name of Well/Wells or Pipeline Serviced Ballard #17, #12, #9
CPS# 1022

Elevation 6178 Completion Date 11-13-91 Total Depth 320 Land Type F

Casing Strings, Sizes, Types & Depths Set 90' of 8" P.V.C.

If Casing Strings are cemented, show amounts & types used Used 22 sacks of neat cement.

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

Depths & thickness of water zones with description of water: Fresh, Clear, Salty, Sulphur, Etc. Water was at 150' and clear.

Depths gas encountered: No gas

Ground bed depth with type & amount of coke breeze used: 320' with 42 sacks of Asburg 4518

Depths anodes placed: #1 is at 305' & #10 is at 175'

Depths vent pipes placed: 320 to surface

Vent pipe perforations: Vent pipe is perforated up to 150'

Remarks:

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.

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OIL CON. DIV.
DIST. 3

CPS GROUND BED CONSTRUCTION WORKSHEET

CPS#	P/L NAME(s), NUMBER(s)					
1022-W	Ballard #17, #12, #9					
O #	TOTAL	VOLTS 11.69	AMPS 15.7	OHMS .74	DATE 11-13-96	NAME R. Smith

REMARKS (notes for construction log) H_2O is at 150' Vent pipe is perfed up to 150'

DEPTH	LOG ANODE	ANODE #	DEPTH	LOG ANODE	ANODE #	DEPTH	LOG ANODE	ANODE #	DEPTH	LOG ANODE	ANODE #
100			295	2.2	2	490			685		
105			300	2.2		495			690		
110			305	2.4	1	500			695		
115			310	2.3		505			700		
120	2.3		315	2.3		510			ANODE #	DEPTH	NO COKE / FULLY COKED
125	2.6		320	10320		515					
130	2.6		325			520			1	305	2.4 / 4.3
135	2.6		330			525			2	295	2.3 / 4.2
140	2.6		335			530			3	285	2.5 / 4.4
145	2.6		340			535			4	275	2.3 / 4.3
150	2.7		345			540			5	265	2.5 / 4.3
155	2.6		350			545			6	255	2.5 / 4.5
160	2.5		355			550			7	245	2.5 / 4.6
165	2.5		360			555			8	235	2.4 / 4.5
170	2.5		365			560			9	225	2.6 / 4.7
175	2.5	13	370			565			10	215	2.7 / 4.6
180	2.3		375			570			11	205	2.6 / 4.5
185	1.7		380			575			12	175	2.6 / 4.5
190	1.8		385			580			13		
195	1.7		390			585			14		
200	2.2		395			590			15		
205	2.6	11	400			595			16		
210	2.7		405			600			17		
215	2.7	10	410			605			18		
220	2.8		415			610			19		
225	2.5	9	420			615			20		
230	2.4		425			620			21		
235	2.5	8	430			625			22		
240	2.6		435			630			23		
245	2.3	7	440			635			24		
250	2.5		445			640			25		
255	2.4	6	450			645			26		
260	2.4		455			650			27		
265	2.4	5	460			655			28		
270	2.3		465			660			29		
275	2.3	4	470			665			30		
280	2.3		475			670					
285	2.5	3	480			675					
290	2.2		485			680					

DISTRIBUTION - original - permanent CPS FILE
copy - Division Corrosion Supervisor
- Region Corrosion Specialist

2394 11E = 30-045-26499
10 = 30-045-05844

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 L Sec. 15 Twp 26 Rng 9

Name of Well/Wells or Pipeline Serviced BALLARD #11E, #10

cps 1811w

Elevation 6332' Completion Date 8/17/87 Total Depth 400' Land Type* N/A

Casing, Sizes, Types & Depths N/A

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

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

N/A

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

Fresh, Clear, Salty, Sulphur, Etc. 180'

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DIST. 3

Depths gas encountered: N/A

Type & amount of coke breeze used: N/A

Depths anodes placed: 345', 307', 295', 235', 228', 222', 216', 210', 204', 198'

Depths vent pipes placed: N/A

Vent pipe perforations: 240'

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.

8600

7- 30-045-05863
11- 30-045-13318

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

Operator MERIDAIN OIL Location: Unit NW Sec. 15 Twp 26 Rng 9

Name of Well/Wells or Pipeline Serviced BA::ARD #11, #7

cps 1021w

Elevation 6290' Completion Date 8/14/75 Total Depth 260' Land Type* N/A

Casing, Sizes, Types & Depths N/A

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

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

N/A

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

Fresh, Clear, Salty, Sulphur, Etc. WET 60'-80'

Depths gas encountered: N/A

Type & amount of coke breeze used: 2500 lbs.

Depths anodes placed: 215', 205', 195', 185', 175', 165', 150', 120', 110', 100'

Depths vent pipes placed: N/A

Vent pipe perforations: 215'

Remarks: gb #1 ALL ANODES GOT TIGHT. BELEIVE SAnd caved in. No response from any anode.

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OIL CON. DIV.
DIST. 3

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

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

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

WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

Drilling Log (Attach Hereto). ☐

Completion Date 8-14-75

Well Name	Location	CPS No.
Ballard #11 & #7	NW 15-26-9	1021W

Type & Size Bit Used	Work Order No.
6 3/4"	91029 & 90270

Anode Hole Depth	Total Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used	No. Sacks Mud Used
260		2500		

Anode Depth	# 1 215	# 2 205	# 3 195	# 4 185	# 5 175	# 6 165	# 7 130	# 8 120	# 9 110	# 10 100
Anode Output (Amps)	# 1 2.2	# 2 2.4	# 3 2.8	# 4 2.6	# 5 2.6	# 6 2.3	# 7 2.5	# 8 2.4	# 9 2.4	# 10 2.6
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 10.8	Amps 12.5	Ohms 0.86	1900	

Remarks: Driller said wet 60 To 80 - Start Water injection at 80
Vent Perforated to Surface.
After 4 Sacks Coke - All Anode's got tight
Believe Sand Caved in - No Response From
any Anode -

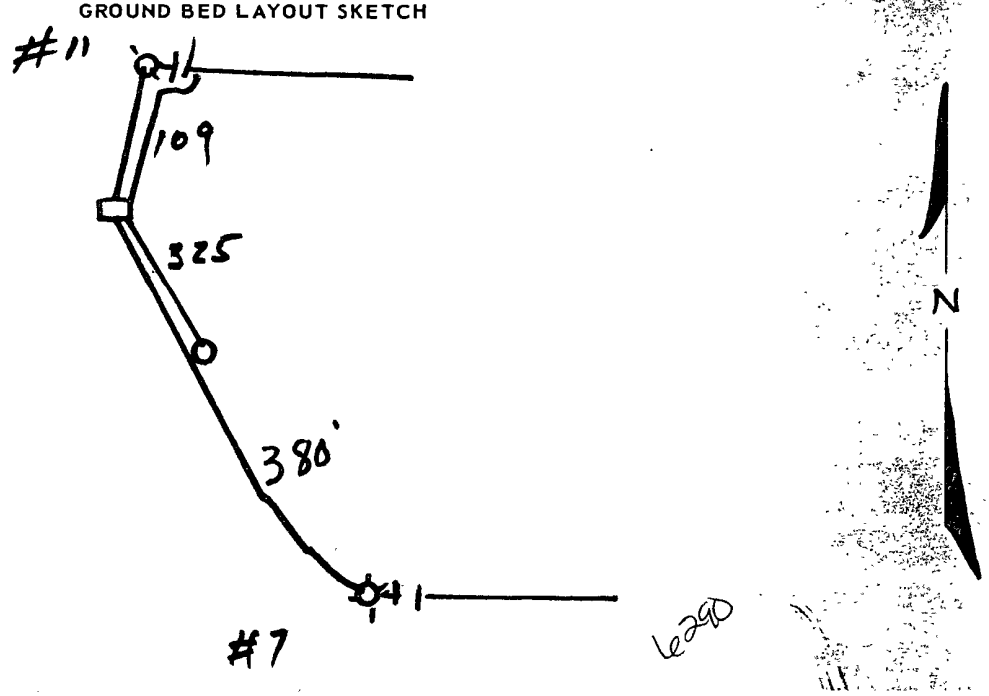
10 ✓

Driller	933.10
Moto	362.96
Wire	176.70
Coke	150.00
Anodes	264.60
Vent	23.00
Rent	333.50
T Bar	36.00
Misc	50.00
	2379.86

All Construction Completed

Farrels
(Signature)

GROUND BED LAYOUT SKETCH



Original & 1 Copy All Reports

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EL PASO NATURAL GAS COMPANY
ENGINEERING DEPARTMENT

Sheet
Date:
By:

1021 W

MW		gals/mol
16	C_1	6 4
30	C_2	10 12
44	C_3	10 42
58	IC_4	12 38
"	NC_4	11 93
72	IC_5	13 85
"	NC_5	13 71
86	IC_6	15 50
"	C_6	15 57
100	IC_7	17 2
"	C_7	17 46
114	C_8	19 99
28	$C_2^=$	9 64
42	$C_3^=$	9.67

MISC

MW		gals/mol
44	CO_2	0 38
34	H_2S	5 17
28	N_2	4 16
2	H_2	3 38

80	2.2	2.2	
90	2.3	2.3	
		2.2	
100	2.3	2.2	
		2.2	
10		2.1	
		2.2	
20		2.1	
		2.1	
30		2.1	
		1.8	
40		1.2	
		1.2	
50		.8	
		1.0	
60		1.7	
		2.0	
70		2.0	
		2.1	
80		2.2	
		2.2	
90		2.3	
		2.3	
2001		2.3	
		2.3	
10		2.2	
		2.0	
20		1.5	
		1.4	
30		1.3	
		1.3	
40		1.4	
		TD	
50			
60			

Wet at 80' To 80
Start wtr. inj at 80'

Vent Perf. All.

Hole Caved-
all Anodes got
Tight at Same Time
No Response
Believe Sand
instead of Coke

1	215	2.2	2.2
2	205	2.4	2.4
3	195	2.4	2.8
4	185	2.6	2.6
5	175	2.4	2.6
6	165	2.1	2.3
7	130	2.4	2.5
8	120	2.4	2.4
9	110	2.4	2.4
10	100	2.6	2.6

10.80 / 125A = .86 Ω

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Page 77 of 199

DRILLING DEPARTMENT

8 13-708 14-75 DAILY DRILLING REPORT

LEASE WELL NO. CPS-1021 W CONTRACTOR RIG NO. 3991 REPORT NO. DATE 19

MORNING

Driller Total Men In Crew

FROM	TO	FORMATION	WT-BIT	R.P.M.
0.0	68'	Sand		
68'	74'	Shale		
74'	76'	Sandstone		
76'	85'	Shale		

NO. DC ____ SIZE ____ LENG. ____
BIT NO.
NO. DC ____ SIZE ____ LENG. ____
SERIAL NO.
STANDS
SIZE 3/4
SINGLES
TYPE
DOWN ON KELLY
MAKE
TOTAL DEPTH

MUD RECORD			MUD, ADDITIVES USED AND RECEIVED
Time	Wt.	Vis.	

FROM	TO	TIME BREAKDOWN
200'	202	Sandstone
202'	205	Shale
205'	211	Sandstone
211'	218	Shale
218'	240	Sandstone
240	—	TD

REMARKS –
8-13-75 Wet @ 53' to 60'
8-14-75 Wet from 60' to 80'
Water inflow 80' to 240'

DAYLIGHT

Driller Total Men In Crew

FROM	TO	FORMATION	WT-BIT	R.P.M.
85	105'	Sandstone		
105'	123'	Shale		
123	127'	Sandstone		
127'	131'	Shale		

NO. DC ____ SIZE ____ LENG. ____
BIT NO.
NO. DC ____ SIZE ____ LENG. ____
SERIAL NO.
STANDS
SIZE
SINGLES
TYPE
DOWN ON KELLY
MAKE
TOTAL DEPTH

MUD RECORD			MUD, ADDITIVES USED AND RECEIVED
Time	Wt.	Vis.	

FROM	TO	TIME BREAKDOWN

REMARKS –

EVENING

Driller Total Men In Crew

FROM	TO	FORMATION	WT-BIT	R.P.M.
131'	135'	Sandstone		
135'	140'	Shale		
140'	175'	Sandstone		
175'	200'	Shale		

NO. DC ____ SIZE ____ LENG. ____
BIT NO.
NO. DC ____ SIZE ____ LENG. ____
SERIAL NO.
STANDS
SIZE
SINGLES
TYPE
DOWN ON KELLY
MAKE
TOTAL DEPTH

MUD RECORD			MUD, ADDITIVES USED AND RECEIVED
Time	Wt.	Vis.	

FROM	TO	TIME BREAKDOWN

REMARKS –

SIGNED: Toolpusher Jimmy Jones Company Supervisor

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2393

30-045-26362

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 B Sec. 15 Twp 26 Rng 9

Name of Well/Wells or Pipeline Serviced BALLARD #12E

cps 1812w

Elevation 6298' Completion Date 8/18/87 Total Depth 440' Land Type* N/A

Casing, Sizes, Types & Depths N/A

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

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

N/A

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

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

Depths gas encountered: N/A

Type & amount of coke breeze used: N/A

Depths anodes placed: 395', 375', 365', 275', 265', 255', 245', 200', 165', 155'

Depths vent pipes placed: N/A

Vent pipe perforations: 300'

Remarks: gb #1

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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.

94- 30-045-05728
192- 30-045-20400

4327

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

Operator MERIDIAN OIL Location: Unit SE Sec. 22 Twp 26 Rng 9

Name of Well/Wells or Pipeline Serviced HUERFANO UNIT #94, #192

cps 925w

Elevation 6387' Completion Date 7/23/75 Total Depth 325' Land Type* N/A

Casing, Sizes, Types & Depths 39' OF 8" STEEL PIPE, 19' PLASTIC CASING.

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

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

N/A

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

Fresh, Clear, Salty, Sulphur, Etc. 165'

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DIST. 3

Depths gas encountered: N/A

Type & amount of coke breeze used: 2000 lbs.

Depths anodes placed: 280', 270', 260', 250', 240', 220', 210', 200', 190', 180'

Depths vent pipes placed: N/A

Vent pipe perforations: 240'

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.

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

WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

Drilling Log (Attach Hereto). ☐

Completion Date 7-23-75

Well Name Huerfano #192 Huerfano #94			Location SE 22-26N-9W					CPS No. 925 W	
Type & Size Bit Used 6 3/4"								Work Order No. 54648.19-50-20 53402.19-50-22	
Anode Hole Depth 325'		Total Drilling Rig Time		Total Lbs. Coke Used 2,000		Lost Circulation Mat'l Used		No. Sacks Mud Used	
Anode Depth									
# 1 280	# 2 270	# 3 260	# 4 250	# 5 240	# 6 220	# 7 210	# 8 200	# 9 190	# 10 180
Anode Output (Amps)									
# 1 2.0	# 2 1.8	# 3 2.0	# 4 1.8	# 5 2.0	# 6 2.6	# 7 2.6	# 8 2.6	# 9 2.2	# 10 2.6
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 Volts 11.8		Amps		Ohms 1.07		No. 8 C.P. Cable Used 2600'		No. 2 C.P. Cable Used	

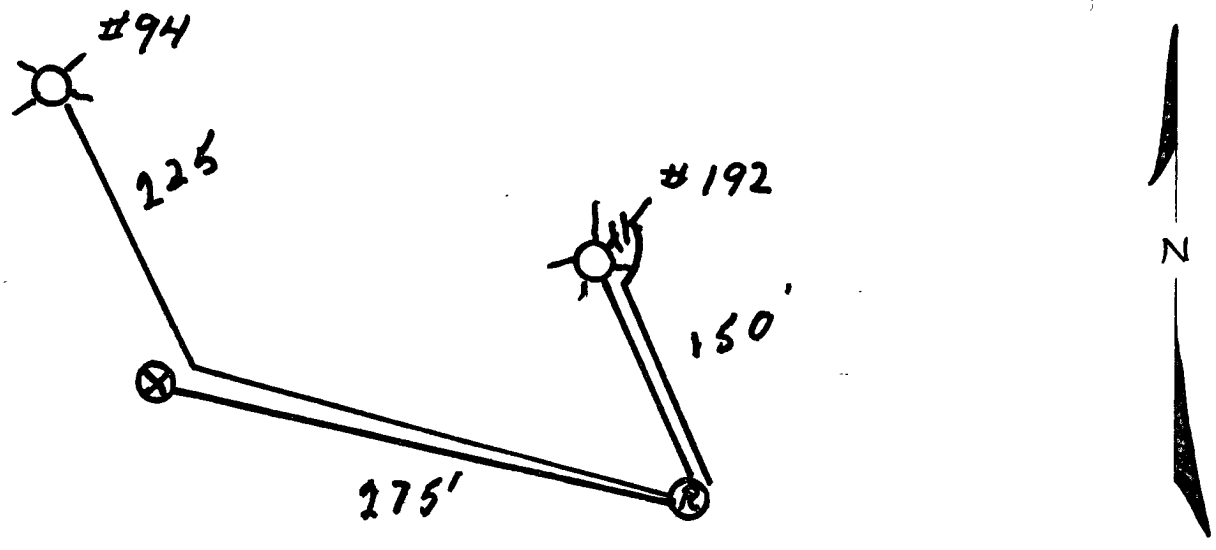
Remarks: Drill with Air Driller set 39' of 8" Steel Pipe, 19' Plastic casing. Ran Anodes Down Hole All Normal fill with water started slow Anodes started getting tight No Response To Coke. Believe sand caved in Around Thru Vent Hose Perforated 240'. Lots of Loose sand And Gravel first 100'

All Construction Completed

Edward R. Paulk
(Signature)

Drilling - 951.60
Mat'ls - 224.64
Supp - 213.40
Sand 241.40
Coke 120.00
Anodes 264.50
Trans 83.00
Misc 333.50
Misc - 25.00
2453.04

GROUND BED LAYOUT SKETCH



415

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EL PASO NATURAL GAS COMPANY
ENGINEERING DEPARTMENT

Sheet
Date:
By:

925 W

MW		gals/mol
16	C_1	6 4
30	C_2	10 12
44	C_3	10 42
58	IC_4	12 38
"	NC_4	11 93
72	IC_5	13 85
"	NC_5	13 71
86	IC_6	15 50
"	C_6	15 57
100	IC_7	17 2
"	C_7	17 46
114	C_8	19 97
28	$C_2^=$	9 64
42	$C_3^=$	9 67

MISC		
MW		gals/
44	CO_2	6
34	H_2S	5
28	N_2	4 16
2	H_2	3 38

160	1.4	40
	1.6	
70	1.6	50
	2.0	
80	2.4	60
	2.2	
90	2.2	70
	2.4	
200	2.4	80
	2.4	
10	2.4	90
	2.2	
20	2.4	400
	2.2	
30	1.8	
	1.8	
40	2.0	
	2.0	
50	2.2	
	2.2	
60	2.4	
	2.4	
70	2.0	
	2.4	
80	2.2	
	2.2	
90	2.2	
	2.2	
300	2.2 Bottom	
10		
20		
30		

Driller said water @ 165'
Vent perforated 240'
39' 8" pipe 19' plastic casing

1	280	2.6	2.0
2	270	2.6	1.8
3	260	2.8	2.0
4	250	2.6	1.8
5	240	2.2	2.0
6	220	2.8	2.6
7	210	2.8	2.6
8	200	2.6	2.6
9	190	2.4	2.2
10	180	2.6	2.6
	2300	11.8	11.0
	300		
	2600		

1.07 ~

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White - Water Resources Board
Canary - Drillers Copy
Pink - Drillers Copy

STATE OF OKLAHOMA
WATER RESOURCES BOARD
5th Floor, Jim Thorpe Building
Oklahoma City, Oklahoma 73105

925 W

Application No. _____
Aquifer _____
Stream System Code _____
Use Code _____
County _____
(Office Use Only)

WELL DRILLERS REPORT

1. OWNER Morgan Drilling co ADDRESS Broken Bow Okla.

2. LOCATION _____ 1/4 _____ 1/4 _____ 1/4 Sec. _____ Twp. _____ N/S Rge. _____ E/W _____ County Le
PERMIT NO. _____

3. TYPE OF WORK
☐ New Well ☐ Recondition
☐ Deepen ☐ Other

4. PROPOSED USE
☐ Domestic ☐ Irrigation ☐ Test
☐ Municipal ☐ Industrial ☑ Stock

5. TYPE WELL
☐ Cable ☐ Rotary
☐ Other ☐ Rev. Rot.

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thickness
Water at	165			
Blue sand shale		150	155	
Water sand		155	170	
Gray sandstone		170	180	
Blue shale		180	325	

Date started _____ , 19 ___
Date completed _____ , 19 ___

7. WELL TEST DATA

Pump R.P.M.	G.P.M.	Draw Down	After Hours Pump

8. WELL CONSTRUCTION
Diameter hole 6 3/4 inches Total depth _____ feet
Casing record _____
Weight per foot _____ Thickness _____

Diameter	From	To
_____ inches	_____ feet	_____ feet
_____ inches	_____ feet	_____ feet
_____ inches	_____ feet	_____ feet

Surface seal: ☐ Yes ☐ No Type _____
Depth of seal _____ feet
Gravel packed: ☐ Yes ☐ No
Gravel packed from _____ feet to _____ feet
Perforations:
Type perforation _____
Size perforation _____
From _____ feet to _____ feet
From _____ feet to _____ feet
From _____ feet to _____ feet

9. WATER LEVEL
Static water level _____ Feet below land surface _____
Flow _____ G.P.M. _____
Water temperature _____ F. Quality _____

10. DRILLERS CERTIFICATION
This well was drilled under my supervision and the report is true to the best of my knowledge.
Name Abb Gibson
Address _____
Well driller's license number _____
Signed [redacted]
Date 7-23-75

USE ADDITIONAL SHEETS IF NECESSARY

Form 407-1074

93 - 30-045-05781

138 - 30-045-05788

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

Operator MERIDIAN OIL CO. Location: Unit 0 Sec. 22 Twp 26 Rng 9

Name of Well/Wells or Pipeline Serviced Herfano # 93 & # 138

cps 924w

Elevation 6363' Completion Date 8/10/90 Total Depth 260 Land Type N/A

Casing Strings, Sizes, Types & Depths 80 ft. 8" PVC Casing

If Casing Strings are cemented, show amounts & types used

3 sacks cement with calcium cloride

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

N/A

Depths & thickness of water zones with description of water: Fresh, Clea

Salty, Sulphur, Etc. water sand @ 110 ft. approx 3 gpm

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OIL CON. DIV
DIST. 3

Depths gas encountered: N/A

Ground bed depth with type & amount of coke breeze used:

255 ft. with 3300 lbs Ashbury Petroleum Coke used.

Depths anodes placed: 240, 230, 220, 210, 200, 180, 170, 160, 150, 140

Depths vent pipes placed: 260 ft. of 1" PVC Vent pipe

Vent pipe perforations: Perforated 160 ft.

Remarks: gb #2

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

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

93 - 30-045-05781

138 - 30-045-05788

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

Operator MERIDIAN OIL Location: Unit NW Sec. 22 Twp 26 Rng 9

Name of Well/Wells or Pipeline Serviced HUERFANO UNIT #93, #138

cps 924w

Elevation 6363' Completion Date 7/22/75 Total Depth 375' Land Type* N/A

Casing, Sizes, Types & Depths N/A

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

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

N/A

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

Fresh, Clear, Salty, Sulphur, Etc. 200'

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MAY 31 1991
OIL CON. DIV
DIST. 3

Depths gas encountered: N/A

Type & amount of coke breeze used: 3500 lbs.

Depths anodes placed: 325', 315', 305', 295', 285', 260', 250', 235', 215', 205'

Depths vent pipes placed: N/A

Vent pipe perforations: 200'

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.

30-045-29073

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

Operator Meridian Oil Inc. Location: Unit K Sec. 22 Twp 26 Rng 09

Name of Well/Wells or Pipeline Serviced
Huertano #504

Elevation ____ Completion Date 4/9/94 Total Depth 446' Land Type F

Casing Strings, Sizes, Types & Depths 4/8 Set 98' of 8" PVC Casing.
No Gas, Water, or Boulders Were Encountered During Casing.

If Casing Strings are cemented, show amounts & types used Cemented
with 27 Sacks.

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

Depths & thickness of water zones with description of water: Fresh, Clear, Salty, Sulphur, Etc. Hit Some Fresh Water at 115', And More Fresh Water at 310'. A Water Sample Was Taken.

Depths gas encountered: None

Ground bed depth with type & amount of coke breeze used: 446' Depth.
Used 60 Sacks of Loresco SW (6000#)

Depths anodes placed: 420', 405', 395', 385', 375', 275', 260', 250', 240', 230', 220', 185', 175', 165', + 155'.

Depths vent pipes placed: Surface To 446'.

Vent pipe perforations: Bottom 325'.

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.

147- 30-045-05732

209- 30-045-20759

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

Operator MERIDIAN OIL Location: Unit SE Sec. 23 Twp 26 Rng 9

Name of Well/Wells or Pipeline Serviced HUERFANO UNIT #147, #209

cps 926w

Elevation 6419' Completion Date 8/11/87 Total Depth 400' Land Type* N/A

Casing, Sizes, Types & Depths N/A

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

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

N/A

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

Fresh, Clear, Salty, Sulphur, Etc. 130' & 230'

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Depths gas encountered: N/A

Type & amount of coke breeze used: N/A

Depths anodes placed: 350', 340', 330', 320', 290', 265', 255', 220', 195', 185'

Depths vent pipes placed: N/A

Vent pipe perforations: 280'

Remarks: gb #2

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.

147 - 30-045-05732
209 - 30-045-20759

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

Operator MERIDIAN OIL Location: Unit SE Sec. 23 Twp 26 Rng 9

Name of Well/Wells or Pipeline Serviced HUERFANO UNIT #147, #209

cps 926w

Elevation 6419' Completion Date 7/22/75 Total Depth 425' Land Type* N/A

Casing, Sizes, Types & Depths N/A

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

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

N/A

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

Fresh, Clear, Salty, Sulphur, Etc. 265'

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Depths gas encountered: N/A

Type & amount of coke breeze used: 3900 lbs.

Depths anodes placed: 375', 365', 355', 330', 320', 310', 300', 290', 280', 270'

Depths vent pipes placed: N/A

Vent pipe perforations: 200'

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.

2542 46 - 30-045-05735
209E - 30-045-26261

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 SW Sec. 23 Twp 25 Rng 9

Name of Well/Wells or Pipeline Serviced HUERFANO UNIT #209E, #46

cps 1857w

Elevation 6420' Completion Date 8/12/87 Total Depth 400' Land Type* N/A

Casing, Sizes, Types & Depths N/A

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

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

N/A

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

Fresh, Clear, Salty, Sulphur, Etc. 130' & 230' NO SAMPLE

Depths gas encountered: N/A

Type & amount of coke breeze used: N/A

Depths anodes placed: 330', 320', 310', 295', 285', 255', 245', 235', 225', 215'

Depths vent pipes placed: N/A

Vent pipe perforations: 280'

Remarks: gb #1

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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.

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#36 30-045-05787

#135 30-045-05770

#240 30-045-21220

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

Operator MERIDIAN OIL Location: Unit NW Sec. 23 Twp 26 Rng 9

Name of Well/Wells or Pipeline Serviced HUERFANO UNIT #36, #135, #240

cps 882w

Elevation 6387' Completion Date 7/2/71 Total Depth 360' Land Type* N/A

Casing, Sizes, Types & Depths N/A

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

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

N/A

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

Fresh, Clear, Salty, Sulphur, Etc. N/A

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DIST.

Depths gas encountered: N/A

Type & amount of coke breeze used: 7800 lbs.

Depths anodes placed: 305', 295', 285', 255', 245', 235', 225', 195', 175'

Depths vent pipes placed: 305'

Vent pipe perforations: 250'

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.

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1324

27- 30-045-05786
135E- 30-045-26304

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 NE Sec. 23 Twp 26 Rng 9

Name of Well/Wells or Pipeline Serviced HUERFANO UNIT #27, #135E

cps 1835w

Elevation 6370' Completion Date 8/12/87 Total Depth 400' Land Type* N/A

Casing, Sizes, Types & Depths N/A

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

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

N/A

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

Fresh, Clear, Salty, Sulphur, Etc. 220' SAMPLE TAKEN

Depths gas encountered: N/A

Type & amount of coke breeze used: N/A

Depths anodes placed: 375', 365', 330', 315', 280', 270', 260', 250', 240', 230'

Depths vent pipes placed: N/A

Vent pipe perforations: 200'

Remarks: gb #1

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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.

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

MERIDIAN OIL

WELL CASING

CATHODIC PROTECTION CONSTRUCTION REPORT

DAILY LOG

Comp 8-14-87

Drilling Log (Attach Hereto) ☐

Completion Date 8-12-87

95-35501

CPS #	Well Name, Line or Plant:	Work Order #	State:	Ins. Union Check
1835W	Huerfano 135 E Huerfano 27 71-161	H 23-26-09 A 23-26-09 01	.86NE	☒ Good ☐ Bad

Location:	Anode Size:	Anode Type:	Size Bit:
NE23-26-9	2"x60"	Duriron	6 3/4"

Depth Drilled	Depth Logged	Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used	No. Sacks Mud Used
400	391	6 hrs			

Anode Depth	#1 375	#2 365	#3 330	#4 315	#5 280	#6 270	#7 260	#8 250	#9 240	#10 230
Anode Output (Amps)	#1 3.8	#2 3.9	#3 5.3	#4 5.5	#5 5.1	#6 5.2	#7 6.0	#8 6.2	#9 5.4	#10 3.8
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

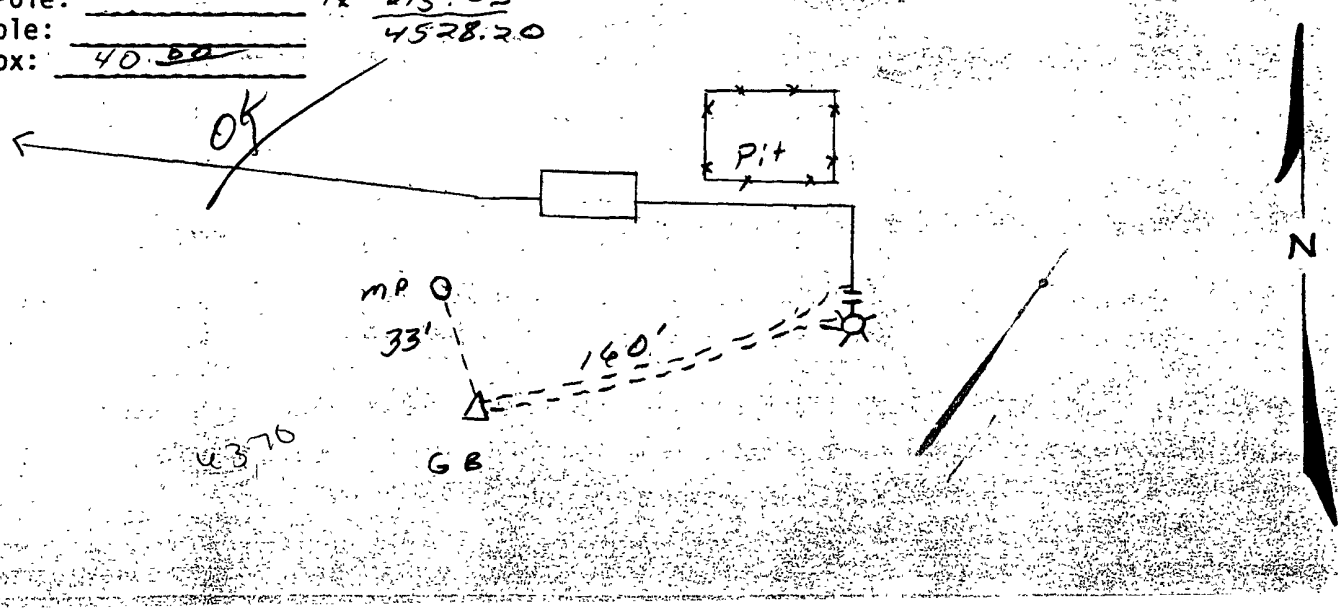
Total Circuit Resistance			No. 8 C.P. Cable Used	No. 2 C.P. Cable Used
Volts 12.05	Amps 26	Ohms .48		

Remarks: Driller said water was at 220'. Vent pipe is perforated up to 200'.
(WATER SAMPLE TAKEN.)

Rectifier Size: 60 V 28 A 4300.
Addn'l Depth: -436.00 3864.00
Depth Credit: 109 7.50
Extra Cable: 30 17.87
Ditch & 1 Cable: 33 83.20
Ditch & 2 Cable: 160 305.00
25' Meter Pole: 305.00 40.00
20' Meter Pole: 4312.57
10' Stub Pole: Tx 215.63
Junction Box: 40.00 4528.20

All Construction Completed

Randy Smith
(Signature)



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MERIDIAN OIL

P. O. BOX 4289-Phone 327-0251
FARMINGTON, NM

Date 8-12-87

DEEP WELL GROUNDBED LOG

Company: Meridian Oil

Well No.: _____ Location: Huerfano 13 SE 22 Volts Applied: 12.05 Amperes: 25

0								230	2.1	✓	12		455	0375	2.7		680	3.8						
5								235	2.1				460	0365	2.8		685	3.9						
10								240	2.2	✓	9		465	0330	2.9		690	5.3						
15								245	2.3				470	0315	2.8		695	5.5						
20								250	2.3	✓	8		475	0280	2.7		700	5.1						
25								255	2.1				480	0270	2.7		705	5.2						
30								260	2.1	✓	7		485	0260	2.6		710	6.0						
35								265	2.2				490	0250	2.7		715	6.2						
40								270	2.3	✓	6		495	0240	2.8		720	5.4						
45								275	2.2				500	0230	2.5		725	3.8						
50								280	2.1	✓	5		505				730							
55								285	1.6				510				735							
60								290	1.4				515				740							
65								295	1.2				520				745							
70								300	.9				525				750							
75								305	1.7				530				755							
80								310	2.4				535				760							
85								315	2.2	✓	4		540				765							
90								320	1.9				545				770							
95								325	2.2				550				775							
100								330	2.2	✓	3		555				780							
105								335	2.0				560				785							
110								340	1.3				565				790							
115								345	.8				670				795							
120								350	.8				575				800							
125								355	1.7				580				805							
130								360	2.0				585				810							
135								365	2.1	✓	2		590				815							
140								370	2.2				595				820							
145								375	2.1	✓	1		600				825							
150								380	1.8				605				830							
155								385	1.8				610				835							
160								390	1.8				615				840							
165								395	TD 391				620				845							
170								400					625				850							
175								405					630				855							
180								410					635				860							
185								415					640				865							
190								420					645				870							
195								425					650				875							
200	.8							430					655				880							
205	.9							435					660				885							
210	1.1							440					665				890							
215	.7							445					670				895							
220	.8							450					675				900							
225	1.6																							

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BURGE CORROSION SYSTEMS, INC.

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

B35W

COMPANY Meridian DAILY DRILLING REPORT 8-11 19 82

WELL NAME:	WELL NUMBER:	SECTION:	TOWNSHIP:	RANGE:
Huerfano	135 E	23	26 N	9 W

WATER AT: 130 & 220 FEET: Good water at 220 ft HOLE MADE: (6462) New Bit 6 1/4 400 ft

DESCRIPTION OF FORMATION

FROM	TO	FORMATION IS	COLOR
0	10	Sand	tan
10	120	Sandstone - Clay	Grey
120	130	water Sand	Grey
130	150	Sandstone - Sandy Shale	Grey
150	200	Shale	Purple Grey
200	220	water Sand	Grey
220	240	Sandstone	Grey
240	300	Shale	Grey
300	320	Sandstone	Grey
320	400	Shale & sandy Shale	Grey - purple

REMARKS: lots of water at 220. Got water sample.

B. Scott B. Sum

Driller: Tool Dresser:

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1835W

API WATER ANALYSIS REPORT FORM

Company MERIDIAN OIL COMPANY		Sample No. 4	Date Sampled 8-13-87
Field Huerfano	Legal Description	County or Parish San Juan	State NM
Lease or Unit	Well Huerfano 135E	Depth 230	Formation	Water, B/D
Type of Water (Produced, Supply, etc.) Ground bed	Sampling Point ground bed		Sampled By RS

DISSOLVED SOLIDS

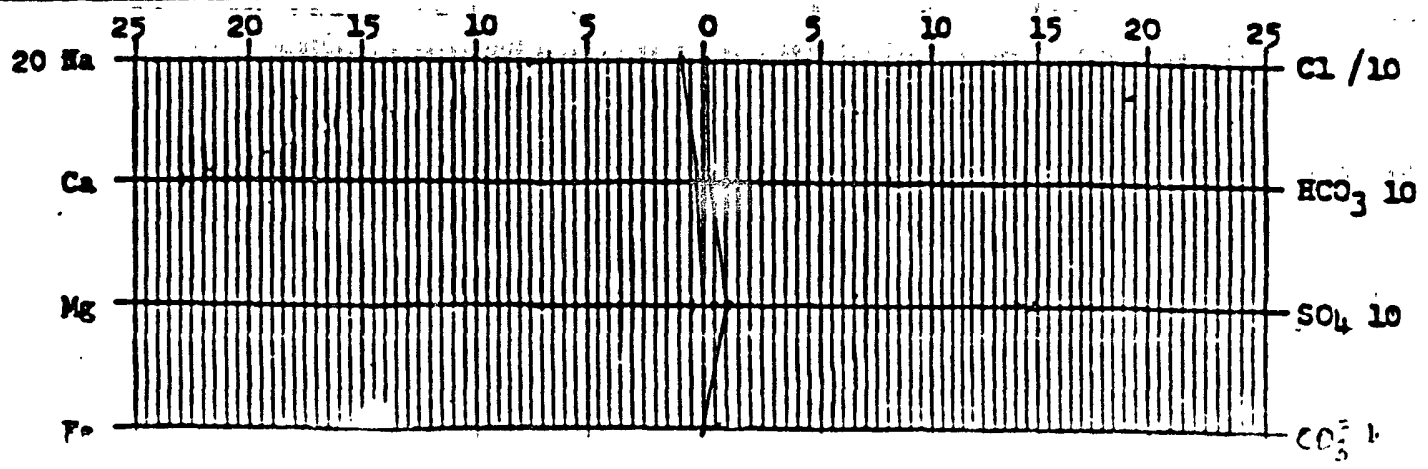
CATIONS	mg/l	me/l
Sodium, Na (calc.)	375	16.3
Calcium, Ca	3.2	.2
Magnesium, Mg	0	0
Barium, Ba		

ANIONS	mg/l	me/l
Chloride, Cl	7.0	.2
Sulfate, SO_4	479	10.0
Carbonate, CO_3	13.5	.5
Bicarbonate, HCO_3	356	5.8
Hydroxide OH	0	0

OTHER PROPERTIES

pH	9.11
Specific Gravity, 60/60 F.	1.0031
Resistivity (ohm-meters) ____ F.	7.90
Conductivity	10^3 µmho
Total Dissolved Solids (calc.)	1230
Iron, Fe (total)	
Sulfide, as H_2S	0

REMARKS & RECOMMENDATIONS:



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30-045-05739

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

Operator Meridian Oil Inc. Location: Unit K Sec. 24 Twp 26 Rng 09

Name of Well/Wells or Pipeline Serviced
McConnel #4

Elevation 6322' Completion Date _____ Total Depth _____ Land Type F

Casing Strings, Sizes, Types & Depths 4/28 Set 99' of 8" PVC Casing.
No Gas, Water, or Boulders Were Encountered During Casing.

If Casing Strings are cemented, show amounts & types used Cemented
WITH 21 SACKS.

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 125' Water 380'

Depths gas encountered: NO

Ground bed depth with type & amount of coke breeze used: 440' deep
with 5400 lbs Loresco Type SW coke breeze

Depths anodes placed: 358, 349, 340, 330, 320, 310, 300, 290, 280, 245, 235, 225, 215, 205, 196

Depths vent pipes placed: 440'

Vent pipe perforations: bottom 300'

Remarks:

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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.

30-045-05759

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

Operator Meridian Oil Inc. Location: Unit G Sec. 24 Twp 26 Rng 09

Name of Well/Wells or Pipeline Serviced
Thompson B#1

Elevation 6255' Completion Date 5/4/94 Total Depth 392' Land Type P

Casing Strings, Sizes, Types & Depths 4/29 Set 99' of 8" PVC Casing. No Gas, Water, or Boulders Were Encountered During Casing.

If Casing Strings are cemented, show amounts & types used Cemented With 28 Sacks.

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

Depths & thickness of water zones with description of water: Fresh, Clear, Salty, Sulphur, Etc. Hit Fresh Water At 130', And More Fresh Water At 285'. A Water Sample Was Taken.

Depths gas encountered: None.

Ground bed depth with type & amount of coke breeze used: 392' Depth. Used 4 Sacks of Lotesco SW, And 93 Sacks of Asbury 218R (5050#)

Depths anodes placed: 332', 322', 312', 304', 296', 257', 249', 240', 212', 204', 196', 188', 180', 165', + 140'.

Depths vent pipes placed: Surface To 392'.

Vent pipe perforations: Bottom 275'.

Remarks:

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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.

30-045-05771

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

Operator Meridian Oil Inc. Location: Unit C Sec. 24 Twp 26 Rng 09

Name of Well/Wells or Pipeline Serviced
McConnel #5

Elevation 6326' Completion Date 5/3/94 Total Depth 430' Land Type F

Casing Strings, Sizes, Types & Depths 4/29 Set 99' of 8" PVC Casing. No Gas, Water, or Boulders Were Encountered During Casing.

If Casing Strings are cemented, show amounts & types used Cemented with 21 Sacks.

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

Depths & thickness of water zones with description of water: Fresh, Clear, Salty, Sulphur, Etc. Hit Some Fresh Water at 145', and More Fresh Water at 295'. A Water Sample Was Taken.

Depths gas encountered: None

Ground bed depth with type & amount of coke breeze used: 430' Depth Used 58 Sacks of Loresco SW (5800#)

Depths anodes placed: 440', 400', 390', 380', 370', 360', 310', 295', 265', 215', 205', 195', 185', 175' + 165'.

Depths vent pipes placed: Surface to 430'.

Vent pipe perforations: Bottom 310'.

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.

30-045-20021

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

Operator Meridian Oil Inc. Location: Unit D Sec. 24 Twp 26 Rng 09

Name of Well/Wells or Pipeline Serviced
Tibber Fed. #3

Elevation ____ Completion Date 4/26/94 Total Depth 435' Land Type F

Casing Strings, Sizes, Types & Depths 4/24 Set 98' of 8" PVC Casing. No Gas, Water, or Boulders Were Encountered During Casing.

If Casing Strings are cemented, show amounts & types used Cemented With 19 Sacks.

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

Depths & thickness of water zones with description of water: Fresh, Clear, Salty, Sulphur, Etc. Hit Some Fresh Water at 110', And More Fresh Water at 285'. A Water Sample Was Taken

Depths gas encountered: None

Ground bed depth with type & amount of coke breeze used: 435' Depth. Used 59 Sacks of Loresco SW (5900#)

Depths anodes placed: 400', 390', 380', 370', 335', 320', 310', 230', 220', 205', 193', 185', 170', 160', + 138'.

Depths vent pipes placed: Surface To 435'.

Vent pipe perforations: Bottom 310'.

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.

ENSOLUM

APPENDIX C

Executed C-138 Solid Waste Acceptance Form

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

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

Form C-138
Revised 08/01/11

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

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

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

PayKey:AM14058
PM: ME Eddleman
AFE: Pending

2. Originating Site:
Blanco C-7

3. Location of Material (Street Address, City, State or ULSTR):
UL A Section 14 T26N R9W; 36.49199, -107.75149

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) 542/72 yd³ / bbls

5. GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS

I, Thomas Long Thomas Long, representative or authorized agent for Enterprise Products Operating do hereby
Generator Signature
certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: (Check the appropriate classification)

☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste. ***Operator Use Only: Waste Acceptance Frequency*** ☐ ***Monthly*** ☐ ***Weekly*** ☐ ***Per Load***

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items)

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description in Box 4)

GENERATOR 19.15.36.15 WASTE TESTING CERTIFICATION STATEMENT FOR LANDFARMS

I, Thomas Long Thomas Long 1-27-2025, representative for Enterprise Products Operating authorizes Envirotech, Inc. to complete
Generator Signature
the required testing/sign the Generator Waste Testing Certification.

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

5. Transporter: Sierra Oil Field Services

OCD Permitted Surface Waste Management Facility

Name and Facility Permit #: **Envirotech Inc. Soil Remediation Facility * Permit #: NM 01-0011**
Address of Facility: **Hilltop, NM**
Method of Treatment and/or Disposal:
☐ Evaporation ☐ Injection ☐ Treating Plant ☒ Landfarm ☐ Landfill ☐ Other

Waste Acceptance Status:
☒ **APPROVED** ☐ **DENIED** (Must Be Maintained As Permanent Record)

PRINT NAME: Greg Crabtree TITLE: Enviro Manager DATE: 1/27/25
SIGNATURE: TELEPHONE NO.: 505-632-0615
Surface Waste Management Facility Authorized Agent

ENSOLUM

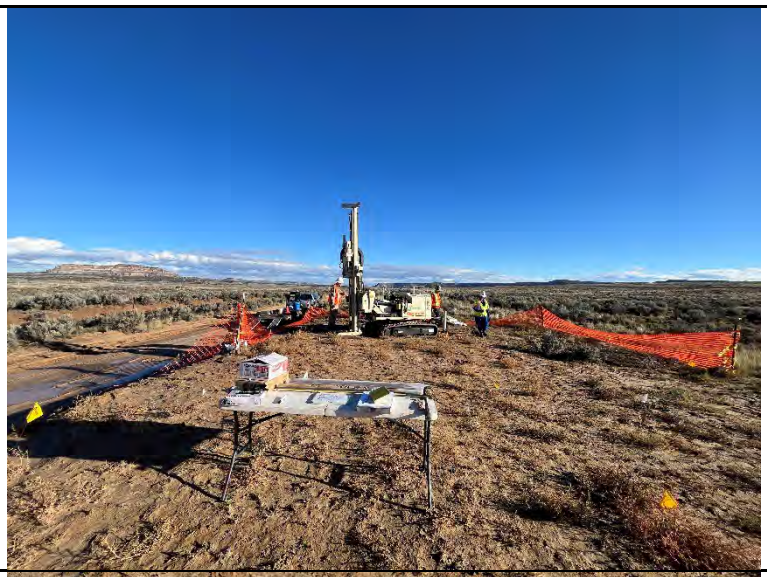
APPENDIX D

Photographic Documentation

SITE PHOTOGRAPHS

Delineation Report and Remediation Plan
Enterprise Field Services, LLC
Blanco C-7 (January 2025)
Ensolum Project No. 05A1226362

ENSOLUM

Photograph 1 Photograph Description: View of the Site and Geoprobe® rig.	
Photograph 2 Photograph Description: View of the backfill core.	
Photograph 3 Photograph Description: View of impacted core at SB07. Apparent condensate visible at 20 feet bgs (right side of photo).	

ENSOLUM

APPENDIX E

Regulatory Correspondence

From: OCDOnline@state.nm.us
To: Long, Thomas
Subject: [EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application ID: 426704
Date: Thursday, January 30, 2025 12:08:55 PM

[Use caution with links/attachments]

To whom it may concern (c/o Thomas Long for Enterprise Field Services, LLC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2503043586.

The sampling event is expected to take place:

When: 02/03/2025 @ 12:30
Where: A-14-26N-09W 0 FNL 0 FEL (36.49199,-107.75149)

Additional Information: Ensolum, LLC

Additional Instructions: 36.49199,-107.75149

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.**

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

From: OCDOnline@state.nm.us
To: Long, Thomas
Subject: [EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application ID: 429224
Date: Thursday, February 6, 2025 1:01:17 PM

[Use caution with links/attachments]

To whom it may concern (c/o Thomas Long for Enterprise Field Services, LLC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2503043586.

The sampling event is expected to take place:

When: 02/10/2025 @ 13:00
Where: A-14-26N-09W 0 FNL 0 FEL (36.49199,-107.75149)

Additional Information: Ensolum, LLC

Additional Instructions: 36.49199,-107.75149

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.**

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

From: OCDOnline@state.nm.us
To: Long, Thomas
Subject: [EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application ID: 438573
Date: Tuesday, March 4, 2025 8:12:32 AM

[Use caution with links/attachments]

To whom it may concern (c/o Thomas Long for Enterprise Field Services, LLC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2503043586.

The sampling event is expected to take place:

When: 03/06/2025 @ 09:00
Where: A-14-26N-09W 0 FNL 0 FEL (36.49199,-107.75149)

Additional Information: Ensolum, LLC

Additional Instructions: 36.49199,-107.75149

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.**

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

From: "Velez, Nelson, EMNRD" <Nelson.Velez@emnrd.nm.gov>
Date: August 6, 2025 at 3:43:47 PM MDT
To: "Long, Thomas" <tjlong@eprod.com>
Cc: "Stone, Brian" <bmstone@eprod.com>
Subject: Re: [EXTERNAL] Blanco C-7 - UL A Section 14 T26N R9W; 36.49199, -107.75149; NMOCD Incident # NAPP2503043586

[Use caution with links/attachments]
Good afternoon Tom,

Your 180-day time extension is denied; however, OCD will approve your request for 90-days. Remediation Due date has been updated to November 10, 2025.

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

Regards,

Nelson Velez ● Environmental Specialist - Adv

Environmental Bureau | EMNRD - Oil Conservation Division

1000 Rio Brazos Road | Aztec, NM 87410

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

https://nam04.safelinks.protection.outlook.com/?url=http%3A%2F%2Fwww.emnrd.nm.gov%2Focd&data=05%7C02%7Cksummers%40ensolum.com%7C9adde122b9cc49e0ee1a08ddd5330902%7C8b8a1c64533149468d5c39ced24ce700%7C

1%7C0%7C638901137384651542%7CUnknown%7CTWFpbGZsb3d8eyJFbXB0eU1hcGkiOnRydWUsIlYiOiIwLjAuMDAwMCIsIlAiOiJXaW4zMiIsIkFOIjoiTWFpbCIsIldUIjoyfQ%3D%3D%7C0%7C%7C%7C&sdata=6HFXASDQKwJaITJ8PY9DGv0UZDi5ioTCYVicD8jJo2w%3D&reserved=0<https://nam04.safelinks.protection.outlook.com/?url=https%3A%2F%2Furldefense.com%2Fv3%2F__http%3A%2F%2Fwww.emnrd.nm.gov%2Focd__%3B!!AT8jIA!8abgAg8Txz9E3mOFkgicTX6XCMq4TW7WwQdvKxWFQ8wnjPPZICY7lIzLuXYGSCOp2QLk-Ly5yiV3mSuW9_ucxhUQ%24&data=05%7C02%7Cksummers%40ensolum.com%7C9adde122b9cc49e0ee1a08ddd5330902%7C8b8a1c64533149468d5c39ced24ce700%7C1%7C0%7C638901137384671576%7CUnknown%7CTWFpbGZsb3d8eyJFbXB0eU1hcGkiOnRydWUsIlYiOiIwLjAuMDAwMCIsIlAiOiJXaW4zMiIsIkFOIjoiTWFpbCIsIldUIjoyfQ%3D%3D%7C0%7C%7C%7C&sdata=H3GkNP4uZdnW%2FHAVuzuKOG9eaewTHZrya1nD76JVMkU%3D&reserved=0>

[Outlook-mps5f54n.png]

_____

From: Long, Thomas <tjlong@eprod.com>
Sent: Wednesday, August 6, 2025 2:14 PM
To: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Cc: Stone, Brian <bmstone@eprod.com>
Subject: RE: [EXTERNAL] Blanco C-7 - UL A Section 14 T26N R9W; 36.49199, -107.75149; NMOCD Incident # NAPP2503043586

Nelson,

This email is a variance request for the 90-day closure report submittal requirement for the Blanco C-7 - UL A Section 14 T26N R9W; 36.49199, -107.75149; NMOCD Incident # NAPP2503043586 release. The original due date for the closure report submittal is May 14, 2024. The NMOCD granted a 90-day extension on May 12, 2025. Enterprise requests an extension of an additional 180 days, as that drilling contractors have limited availability. Enterprise is still attempting to schedule a driller and needs the additional time to get the field activities scheduled, complete the field activities, and for report preparation. Please acknowledge acceptance of the variance request.

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<mailto:tjlong@eprod.com>

[image001.jpg]

From: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Sent: Monday, May 12, 2025 1:55 PM
To: Long, Thomas <tjlong@eprod.com>
Cc: Stone, Brian <bmstone@eprod.com>
Subject: Re: [EXTERNAL] Blanco C-7 - UL A Section 14 T26N R9W; 36.49199, -107.75149; NMOCD Incident # NAPP2503043586

[Use caution with links/attachments]

Good morning Tom,

Your 90-day time extension is approved. Remediation Due date has been updated to August 11, 2025.

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

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

Regards,

Nelson Velez ● Environmental Specialist - Adv

Environmental Bureau | EMNRD - Oil Conservation Division

1000 Rio Brazos Road | Aztec, NM 87410

(505) 469-6146 | nelson.velez@emnrd.nm.gov<mailto:nelson.velez@emnrd.nm.gov>

https://nam04.safelinks.protection.outlook.com/?url=http%3A%2F%2Fwww.emnrd.nm.gov%2Focd&data=05%7C02%7Cksummers%40ensolum.com%7C9adde122b9cc49e0ee1a08ddd5330902%7C8b8a1c64533149468d5c39ced24ce700%7C1%7C0%7C638901137384684517%7CUnknown%7CTWFpbGZsb3d8eyJFbXB0eU1hcGkiOnRydWUsIlYiOiIwLjAuMDAwMCIsIlAiOiJXaW4zMiIsIkFOIjoiTWFpbCIsIldUIjoyfQ%3D%3D%7C0%7C%7C%7C&sdata=y9hMquCLXIECrBcOc4MjxSSvBWIYYUyNqWKnjI10Vik%3D&reserved=0<https://nam04.safelinks.protection.outlook.com/?url=https%3A%2F%2Furldefense.com%2Fv3%2F__http%3A%2Fwww.emnrd.nm.gov%2Focd__%3B!!AT8jIA!9iFBlTJ6vDTcHBxX6Iju9cnkBaNAvT0AevR6FzU7hEBfW4RXG0VFOuKErdYwtndIWMT9dgt_6G37YbSKpoecdXXV%24&data=05%7C02%7Cksummers%40ensolum.com%7C9adde122b9cc49e0ee1a08ddd5330902%7C8b8a1c64533149468d5c39ced24ce700%7C1%7C0%7C638901137384697210%7CUnknown%7CTWFpbGZsb3d8eyJFbXB0eU1hcGkiOnRydWUsIlYiOiIwLjAuMDAwMCIsIlAiOiJXaW4zMiIsIkFOIjoiTWFpbCIsIldUIjoyfQ%3D%3D%7C0%7C%7C%7C&sdata=C5YDlLbzBMQM4x4YADT2oXBVCSESUvqIGod7QpMA%2BJY%3D&reserved=0>

[image002.png]

_____

From: Long, Thomas <tjlong@eprod.com<mailto:tjlong@eprod.com>>
Sent: Thursday, May 8, 2025 9:50 AM
To: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov<mailto:Nelson.Velez@emnrd.nm.gov>>
Cc: Stone, Brian <bmstone@eprod.com<mailto:bmstone@eprod.com>>
Subject: [EXTERNAL] Blanco C-7 - UL A Section 14 T26N R9W; 36.49199, -107.75149; NMOCD Incident # NAPP2503043586

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

Nelson,

This email is a variance request for the 90-day closure report submittal requirement for the Blanco C-7 - UL A Section 14 T26N R9W; 36.49199, -107.75149; NMOCD Incident # NAPP2503043586 release. The original due date for the closure report submittal is May 14, 2024. The reason for the time extension request is for develop and remediation plan for submittal. The reason for the remediation plan is that during the initial remediation activities, vertical delineation was not established because there were two pipelines in the corridor, and it was unsafe excavating between the two pipelines. In addition, it was a safety hazard to continue excavating because the excavation side walls were unstable due to soil type and the inability to properly slope the sidewalls. Enterprise requests time extension of 90 days for a remediation plan submittal due date of August 14, 2025. I have attached a corrective action report as an update to the remediation activities to date. Please acknowledge acceptance of this request.

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<mailto:tjlong@eprod.com>

<image001.jpg>

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.

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Wednesday, October 8, 2025 10:50 AM
To: Long, Thomas <tjlong@eprod.com>
Subject: [EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application ID: 513340

[Use caution with links/attachments]

To whom it may concern (c/o Thomas Long for Enterprise Field Services, LLC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2503043586.

The sampling event is expected to take place:

When: 10/14/2025 @ 10:00
Where: A-14-26N-09W 0 FNL 0 FEL (36.49199,-107.75149)

Additional Information: This notification is for a drilling event in which samples will be collected throughout a two day time period.

Ensolum, LLC

Additional Instructions: 36.49199,-107.75149

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.**
- **If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.**

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

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

ENSOLUM

APPENDIX F

Soil Analytical Summary

ENSOLUM

TABLE 1
Blanco C-7 (January 2025)
SOIL ANALYTICAL SUMMARY FOR SOIL ABOVE 4 FEET BGS

Sample I.D.	Date	Sample Type C- Composite G - Grab	Sample Depth (feet)	Benzene (mg/kg)	Ethylbenzene (mg/kg)	Toluene (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 Removed by Excavation													
S-1	02.03.25	C	0 to 4	<0.016	<0.033	<0.033	<0.066	ND	<3.3	12	<48	12	<60
S-9	02.03.25	C	0 to 4	<0.020	<0.039	0.060	0.10	0.16	<3.9	<10	<50	ND	<60
Excavation Composite Soil Samples													
S-3	02.03.25	C	0 to 4	<0.018	<0.037	<0.037	<0.073	ND	<3.7	12	<48	12	<60
S-7	02.03.25	C	0 to 4	<0.014	<0.028	0.038	<0.056	0.038	<2.8	<9.6	<48	ND	<60
Backfill Composite Soil Sample													
BF-1	03.06.25	C	BF	<0.018	<0.037	<0.037	<0.074	ND	<3.7	<9.8	<49	ND	<59

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

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

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

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

BF = Backfilled sample

ENSOLUM

TABLE 2
Blanco C-7 (January 2025)
SOIL ANALYTICAL SUMMARY FOR EXCAVATION SOIL SAMPLES BELOW 4 FEET BGS AND GEOPROBE® BOREHOLE SOIL SAMPLES

Sample I.D.	Date	Sample Type C- Composite G - Grab	Sample Depth (feet)	Benzene (mg/kg)	Ethylbenzene (mg/kg)	Toluene (mg/kg)	Xylenes (mg/kg)	Total BTEX[1] (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH MRO (mg/kg)	Total Combined GRO/DRO[1] (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 II)				10	NE	NE	NE	50	NE	NE	NE	1,000	2,500	10,000
Composite Soil Samples Removed by Excavation														
S-2	02.03.25	C	4 to 10	0.20	2.1	5.1	20	27	350	930	270	**1,300**	1,600	<60
S-4	02.03.25	C	4 to 12	0.022	0.70	1.1	6.7	8.5	100	500	140	600	740	<60
S-5	02.03.25	C	10 to 13	**31**	38	260	370	**700**	6,000	21,000	6,200	**27,000**	**33,000**	<60
S-8	02.03.25	C	10 to 12	**22**	35	210	340	**610**	5,500	19,000	6,300	**25,000**	**31,000**	<60
S-10	02.03.25	C	4 to 13	0.17	1.4	4.2	14	20	210	1,900	670	**2,100**	**2,800**	<60
Excavation Composite Soil Samples														
S-6	02.03.25	C	4 to 13	<0.018	<0.035	0.056	0.088	0.14	<3.5	13	<47	13	13	<60
S-11	02.10.25	C	4 to 15	<0.020	<0.040	<0.040	<0.081	ND	<4.0	<9.6	<48	ND	ND	<60
S-12	02.10.25	C	4 to 15	<0.016	<0.032	<0.032	<0.065	ND	<3.2	<9.7	<48	ND	ND	<60
S-13	02.10.25	C	13 to 21	<0.019	<0.038	<0.038	<0.075	ND	<3.8	12	<48	12	12	<60
S-14	02.10.25	C	4 to 21	<0.018	<0.037	<0.037	<0.073	ND	<3.7	<9.9	<50	ND	ND	<59
S-15	02.10.25	C	4 to 19	<0.021	<0.041	<0.041	<0.082	ND	<4.1	13	<47	13	13	<60
S-16	02.10.25	C	15 to 21	<0.016	<0.032	<0.032	<0.063	ND	<3.2	<9.2	<46	ND	ND	<60
Geoprobe Borehole Soil Samples														
SB01 (4'-8')	10.14.25	C	4 to 8	<0.025	<0.049	<0.049	<0.099	ND	<4.9	<9.7	<49	ND	ND	<50
SB01 (12'-16')	10.14.25	C	12 to 16	<0.024	<0.049	<0.049	<0.097	ND	<4.9	<9.4	<47	ND	ND	<50
SB01(20'-24')	10.14.25	C	20 to 24	<0.023	<0.046	<0.046	<0.093	ND	<4.6	<10	<50	ND	ND	58
SB02 (8'-12')	10.14.25	C	8 to 12	<0.023	<0.047	<0.047	<0.093	ND	<4.7	<9.8	<49	ND	ND	<51
SB02 (12'-16')	10.14.25	C	12 to 16	<0.025	<0.049	<0.049	<0.099	ND	<4.9	<9.9	<49	ND	ND	53
SB02 (20'-24')	10.14.25	C	20 to 24	<0.024	<0.047	<0.047	<0.095	ND	<4.7	<10	<50	ND	ND	140
SB03 (4'-8')	10.14.25	C	4 to 8	<0.024	<0.048	<0.048	<0.096	ND	<4.8	<9.8	<49	ND	ND	<50
SB03 (12'-16')	10.14.25	C	12 to 16	<0.023	<0.047	<0.047	<0.093	ND	<4.7	<9.9	<49	ND	ND	<50
SB03 (20'-24')	10.14.25	C	20 to 24	<0.024	<0.048	<0.048	<0.095	ND	<4.8	<9.3	<46	ND	ND	<51
SB04 (8'-12')	10.14.25	C	8 to 12	<0.024	<0.048	<0.048	<0.096	ND	<4.8	<50	<10	ND	ND	<51
SB04 (12'-16')	10.14.25	C	12 to 16	<0.025	<0.049	<0.049	<0.099	ND	<4.9	<9.8	<49	ND	ND	80
SB04 (20'-24')	10.14.25	C	20 to 24	<0.024	<0.047	<0.047	<0.095	ND	<4.7	<9.8	<49	ND	ND	54
SB05 (4'-8')	10.14.25	C	4 to 8	<0.024	<0.048	<0.048	<0.097	ND	<4.8	<9.1	<45	ND	ND	<51
SB05 (8'-12')	10.14.25	C	8 to 12	<0.025	<0.049	<0.049	<0.099	ND	<4.9	<8.6	<43	ND	ND	<50
SB05 (20'-24')	10.14.25	C	20 to 24	<0.024	<0.049	<0.049	<0.097	ND	<4.9	<9.5	<48	ND	ND	89
SB06 (0'-4')	10.14.25	C	0 to 4	<0.024	<0.048	<0.048	<0.097	ND	<4.8	<9.7	<48	ND	ND	<49
SB06 (8'-12')	10.14.25	C	8 to 12	<0.024	<0.047	<0.047	<0.095	ND	<4.7	<9.8	<49	ND	ND	<51
SB06 (20'-24')	10.14.25	C	20 to 24	<0.025	<0.049	<0.049	<0.099	ND	<4.9	<9.6	<48	ND	ND	<50
SB07 (12'-16')	10.14.25	C	12 to 16	<0.025	<0.050	<0.050	<0.10	ND	<5.0	<9.3	<47	ND	ND	<50
SB07 (16'-20')	10.14.25	C	16 to 20	<0.024	<0.047	<0.047	<0.094	ND	<4.7	110	<49	110	110	<51

ENSOLUM

TABLE 2
Blanco C-7 (January 2025)
SOIL ANALYTICAL SUMMARY FOR EXCAVATION SOIL SAMPLES BELOW 4 FEET BGS AND GEOPROBE® BOREHOLE SOIL SAMPLES

Sample I.D.	Date	Sample Type C- Composite G - Grab	Sample Depth (feet)	Benzene (mg/kg)	Ethylbenzene (mg/kg)	Toluene (mg/kg)	Xylenes (mg/kg)	Total BTEX[1] (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH MRO (mg/kg)	Total Combined GRO/DRO[1] (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 II)				**10**	**NE**	**NE**	**NE**	**50**	**NE**	**NE**	**NE**	**1,000**	**2,500**	**10,000**
SB07 (20'-24')	10.14.25	C	20 to 24	**13**	16	110	170	**310**	3,400	6,000	1,400	**9,400**	**11,000**	<51
SB07 (24')	10.14.25	G	24	0.050	<0.049	0.12	0.13	0.30	<4.9	<9.9	<49	ND	ND	<50
SB08 (4'-8')	10.14.25	C	4 to 8	<0.024	<0.049	<0.049	<0.098	ND	<4.9	<9.6	<48	ND	ND	<50
SB08 (16'-20')	10.14.25	C	16 to 20	<0.025	<0.050	<0.050	<0.10	ND	<5.0	<9.7	<49	ND	ND	<50
SB08 (20'-24')	10.14.25	C	20 to 24	<0.025	<0.050	<0.050	<0.099	ND	<5.0	<9.3	<46	ND	ND	<51

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

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

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

NE = Not established

mg/kg = milligrams per kilogram

BTEX = Benzene, Toluene, Ethylbenzene, and Xylenes

TPH = Total Petroleum Hydrocarbons

GRO = Gasoline Range Organics

DRO = Diesel Range Organics

MRO = Motor Oil/Lube Oil Range Organics

ENSOLUM

APPENDIX G

Laboratory Data Sheets & Chain of Custody Documentation

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Tom Long
Enterprise Products
614 Reily Ave
Farmington, New Mexico 87401

Generated 10/21/2025 11:53:31 AM

JOB DESCRIPTION

Blanco C-7

JOB NUMBER

885-35531-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

See page two for job notes and contact information.

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Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization

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Authorized for release by
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Definitions/Glossary

Client: Enterprise Products
Project/Site: Blanco C-7

Job ID: 885-35531-1

Qualifiers

GC VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.

GC Semi VOA

Qualifier	Qualifier Description
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
S1-	Surrogate recovery exceeds control limits, low biased.

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Enterprise Products
Project: Blanco C-7

Job ID: 885-35531-1

Job ID: 885-35531-1 Eurofins Albuquerque

Job Narrative
885-35531-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 10/15/2025 7:30 AM and 10/15/2025 9:31 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.3°C.

Gasoline Range Organics
Method 8015D_GRO: Surrogate recovery for the following sample was outside control limits: SB07@20-24' (885-35531-18). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC VOA
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Diesel Range Organics
Method 8015D_DRO: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 885-36773 and analytical batch 885-36796 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8015D_DRO: The following sample was diluted due to the nature of the sample matrix OR abundance of target analytes: SB07@20-24' (885-35531-18). As such, surrogate recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC
Method 300_OF_28D_PREC: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 885-36804 and 885-36806 and analytical batch 885-36897 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client Sample Results

Client: Enterprise Products
Project/Site: Blanco C-7

Job ID: 885-35531-1

Client Sample ID: SB01@4-8'

Date Collected: 10/14/25 10:00
Date Received: 10/15/25 09:31

Lab Sample ID: 885-35531-1

Matrix: Solid

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	ND		4.9		mg/Kg		10/15/25 13:13	10/16/25 14:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*15 - 150*	*10/15/25 13:13*	*10/16/25 14:46*	*1*

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		10/15/25 13:13	10/16/25 14:46	1
Ethylbenzene	ND		0.049		mg/Kg		10/15/25 13:13	10/16/25 14:46	1
Toluene	ND		0.049		mg/Kg		10/15/25 13:13	10/16/25 14:46	1
Xylenes, Total	ND		0.099		mg/Kg		10/15/25 13:13	10/16/25 14:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*15 - 150*	*10/15/25 13:13*	*10/16/25 14:46*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7		mg/Kg		10/16/25 11:17	10/16/25 14:38	1
Motor Oil Range Organics [C28-C40]	ND		49		mg/Kg		10/16/25 11:17	10/16/25 14:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*86*		*62 - 134*	*10/16/25 11:17*	*10/16/25 14:38*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50		mg/Kg		10/16/25 13:05	10/18/25 16:49	10

Client Sample Results

Client: Enterprise Products
Project/Site: Blanco C-7

Job ID: 885-35531-1

Client Sample ID: SB01@12-16'

Date Collected: 10/14/25 10:10
Date Received: 10/15/25 09:31

Lab Sample ID: 885-35531-2

Matrix: Solid

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	ND		4.9		mg/Kg		10/15/25 13:13	10/16/25 15:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*15 - 150*	*10/15/25 13:13*	*10/16/25 15:57*	*1*

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		10/15/25 13:13	10/16/25 15:57	1
Ethylbenzene	ND		0.049		mg/Kg		10/15/25 13:13	10/16/25 15:57	1
Toluene	ND		0.049		mg/Kg		10/15/25 13:13	10/16/25 15:57	1
Xylenes, Total	ND		0.097		mg/Kg		10/15/25 13:13	10/16/25 15:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*15 - 150*	*10/15/25 13:13*	*10/16/25 15:57*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.4		mg/Kg		10/16/25 11:17	10/16/25 14:50	1
Motor Oil Range Organics [C28-C40]	ND		47		mg/Kg		10/16/25 11:17	10/16/25 14:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*83*		*62 - 134*	*10/16/25 11:17*	*10/16/25 14:50*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50		mg/Kg		10/16/25 13:05	10/18/25 17:00	10

Client Sample Results

Client: Enterprise Products
Project/Site: Blanco C-7

Job ID: 885-35531-1

Client Sample ID: SB01@20-24'

Date Collected: 10/14/25 10:20
Date Received: 10/15/25 09:31

Lab Sample ID: 885-35531-3

Matrix: Solid

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	ND		4.6		mg/Kg		10/15/25 13:13	10/16/25 17:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*15 - 150*	*10/15/25 13:13*	*10/16/25 17:08*	*1*

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023		mg/Kg		10/15/25 13:13	10/16/25 17:08	1
Ethylbenzene	ND		0.046		mg/Kg		10/15/25 13:13	10/16/25 17:08	1
Toluene	ND		0.046		mg/Kg		10/15/25 13:13	10/16/25 17:08	1
Xylenes, Total	ND		0.093		mg/Kg		10/15/25 13:13	10/16/25 17:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*15 - 150*	*10/15/25 13:13*	*10/16/25 17:08*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10		mg/Kg		10/16/25 11:17	10/16/25 15:01	1
Motor Oil Range Organics [C28-C40]	ND		50		mg/Kg		10/16/25 11:17	10/16/25 15:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*87*		*62 - 134*	*10/16/25 11:17*	*10/16/25 15:01*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**58**		50		mg/Kg		10/16/25 13:05	10/18/25 17:10	10

Client Sample Results

Client: Enterprise Products
Project/Site: Blanco C-7

Job ID: 885-35531-1

Client Sample ID: SB02@8-12'

Date Collected: 10/14/25 10:40
Date Received: 10/15/25 09:31

Lab Sample ID: 885-35531-4

Matrix: Solid

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	ND		4.7		mg/Kg		10/15/25 13:13	10/16/25 17:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*15 - 150*	*10/15/25 13:13*	*10/16/25 17:32*	*1*

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023		mg/Kg		10/15/25 13:13	10/16/25 17:32	1
Ethylbenzene	ND		0.047		mg/Kg		10/15/25 13:13	10/16/25 17:32	1
Toluene	ND		0.047		mg/Kg		10/15/25 13:13	10/16/25 17:32	1
Xylenes, Total	ND		0.093		mg/Kg		10/15/25 13:13	10/16/25 17:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*15 - 150*	*10/15/25 13:13*	*10/16/25 17:32*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8		mg/Kg		10/16/25 11:17	10/16/25 15:13	1
Motor Oil Range Organics [C28-C40]	ND		49		mg/Kg		10/16/25 11:17	10/16/25 15:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*86*		*62 - 134*	*10/16/25 11:17*	*10/16/25 15:13*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		51		mg/Kg		10/16/25 13:05	10/18/25 17:20	10

Client Sample Results

Client: Enterprise Products
Project/Site: Blanco C-7

Job ID: 885-35531-1

Client Sample ID: SB02@12-16'

Date Collected: 10/14/25 10:50
Date Received: 10/15/25 09:31

Lab Sample ID: 885-35531-5

Matrix: Solid

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	ND		4.9		mg/Kg		10/15/25 13:13	10/16/25 17:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*15 - 150*	*10/15/25 13:13*	*10/16/25 17:55*	*1*

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		10/15/25 13:13	10/16/25 17:55	1
Ethylbenzene	ND		0.049		mg/Kg		10/15/25 13:13	10/16/25 17:55	1
Toluene	ND		0.049		mg/Kg		10/15/25 13:13	10/16/25 17:55	1
Xylenes, Total	ND		0.099		mg/Kg		10/15/25 13:13	10/16/25 17:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*15 - 150*	*10/15/25 13:13*	*10/16/25 17:55*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9		mg/Kg		10/16/25 11:17	10/16/25 15:24	1
Motor Oil Range Organics [C28-C40]	ND		49		mg/Kg		10/16/25 11:17	10/16/25 15:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*82*		*62 - 134*	*10/16/25 11:17*	*10/16/25 15:24*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**53**		51		mg/Kg		10/16/25 13:05	10/18/25 17:31	10

Client Sample Results

Client: Enterprise Products
Project/Site: Blanco C-7

Job ID: 885-35531-1

Client Sample ID: SB02@20-24'

Date Collected: 10/14/25 11:00
Date Received: 10/15/25 09:31

Lab Sample ID: 885-35531-6

Matrix: Solid

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	ND		4.7		mg/Kg		10/15/25 13:13	10/16/25 18:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*15 - 150*	*10/15/25 13:13*	*10/16/25 18:19*	*1*

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		10/15/25 13:13	10/16/25 18:19	1
Ethylbenzene	ND		0.047		mg/Kg		10/15/25 13:13	10/16/25 18:19	1
Toluene	ND		0.047		mg/Kg		10/15/25 13:13	10/16/25 18:19	1
Xylenes, Total	ND		0.095		mg/Kg		10/15/25 13:13	10/16/25 18:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*15 - 150*	*10/15/25 13:13*	*10/16/25 18:19*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10		mg/Kg		10/16/25 11:17	10/16/25 15:35	1
Motor Oil Range Organics [C28-C40]	ND		50		mg/Kg		10/16/25 11:17	10/16/25 15:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*85*		*62 - 134*	*10/16/25 11:17*	*10/16/25 15:35*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**140**		51		mg/Kg		10/16/25 13:05	10/18/25 17:41	10

Client Sample Results

Client: Enterprise Products
Project/Site: Blanco C-7

Job ID: 885-35531-1

Client Sample ID: SB03@4-8'

Date Collected: 10/14/25 11:20
Date Received: 10/15/25 09:31

Lab Sample ID: 885-35531-7

Matrix: Solid

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	ND		4.8	mg/Kg		10/15/25 13:13	10/16/25 18:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*15 - 150*	*10/15/25 13:13*	*10/16/25 18:43*	*1*

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		10/15/25 13:13	10/16/25 18:43	1
Ethylbenzene	ND		0.048	mg/Kg		10/15/25 13:13	10/16/25 18:43	1
Toluene	ND		0.048	mg/Kg		10/15/25 13:13	10/16/25 18:43	1
Xylenes, Total	ND		0.096	mg/Kg		10/15/25 13:13	10/16/25 18:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*15 - 150*	*10/15/25 13:13*	*10/16/25 18:43*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		10/16/25 11:17	10/16/25 15:47	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		10/16/25 11:17	10/16/25 15:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*121*		*62 - 134*	*10/16/25 11:17*	*10/16/25 15:47*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50	mg/Kg		10/16/25 13:05	10/18/25 17:51	10

Client Sample Results

Client: Enterprise Products
Project/Site: Blanco C-7

Job ID: 885-35531-1

Client Sample ID: SB03@12-16'

Date Collected: 10/14/25 11:30
Date Received: 10/15/25 09:31

Lab Sample ID: 885-35531-8

Matrix: Solid

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	ND		4.7		mg/Kg		10/15/25 13:13	10/16/25 19:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*15 - 150*	*10/15/25 13:13*	*10/16/25 19:06*	*1*

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023		mg/Kg		10/15/25 13:13	10/16/25 19:06	1
Ethylbenzene	ND		0.047		mg/Kg		10/15/25 13:13	10/16/25 19:06	1
Toluene	ND		0.047		mg/Kg		10/15/25 13:13	10/16/25 19:06	1
Xylenes, Total	ND		0.093		mg/Kg		10/15/25 13:13	10/16/25 19:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*15 - 150*	*10/15/25 13:13*	*10/16/25 19:06*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9		mg/Kg		10/16/25 11:17	10/16/25 15:58	1
Motor Oil Range Organics [C28-C40]	ND		49		mg/Kg		10/16/25 11:17	10/16/25 15:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*88*		*62 - 134*	*10/16/25 11:17*	*10/16/25 15:58*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50		mg/Kg		10/16/25 13:05	10/18/25 18:02	10

Client Sample Results

Client: Enterprise Products
Project/Site: Blanco C-7

Job ID: 885-35531-1

Client Sample ID: SB03@20-24'

Date Collected: 10/14/25 11:40
Date Received: 10/15/25 09:31

Lab Sample ID: 885-35531-9

Matrix: Solid

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	ND		4.8		mg/Kg		10/15/25 13:13	10/16/25 19:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*15 - 150*	*10/15/25 13:13*	*10/16/25 19:30*	*1*

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		10/15/25 13:13	10/16/25 19:30	1
Ethylbenzene	ND		0.048		mg/Kg		10/15/25 13:13	10/16/25 19:30	1
Toluene	ND		0.048		mg/Kg		10/15/25 13:13	10/16/25 19:30	1
Xylenes, Total	ND		0.095		mg/Kg		10/15/25 13:13	10/16/25 19:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*15 - 150*	*10/15/25 13:13*	*10/16/25 19:30*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.3		mg/Kg		10/16/25 11:17	10/16/25 16:10	1
Motor Oil Range Organics [C28-C40]	ND		46		mg/Kg		10/16/25 11:17	10/16/25 16:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*92*		*62 - 134*	*10/16/25 11:17*	*10/16/25 16:10*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		51		mg/Kg		10/16/25 13:05	10/18/25 18:12	10

Client Sample Results

Client: Enterprise Products
Project/Site: Blanco C-7

Job ID: 885-35531-1

Client Sample ID: SB04@8-12'

Date Collected: 10/14/25 12:00
Date Received: 10/15/25 09:31

Lab Sample ID: 885-35531-10

Matrix: Solid

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	ND		4.8		mg/Kg		10/15/25 13:13	10/16/25 19:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*15 - 150*	*10/15/25 13:13*	*10/16/25 19:54*	*1*

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		10/15/25 13:13	10/16/25 19:54	1
Ethylbenzene	ND		0.048		mg/Kg		10/15/25 13:13	10/16/25 19:54	1
Toluene	ND		0.048		mg/Kg		10/15/25 13:13	10/16/25 19:54	1
Xylenes, Total	ND		0.096		mg/Kg		10/15/25 13:13	10/16/25 19:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*15 - 150*	*10/15/25 13:13*	*10/16/25 19:54*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10		mg/Kg		10/16/25 11:17	10/16/25 16:21	1
Motor Oil Range Organics [C28-C40]	ND		50		mg/Kg		10/16/25 11:17	10/16/25 16:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*88*		*62 - 134*	*10/16/25 11:17*	*10/16/25 16:21*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		51		mg/Kg		10/16/25 13:05	10/18/25 18:22	10

Client Sample Results

Client: Enterprise Products
Project/Site: Blanco C-7

Job ID: 885-35531-1

Client Sample ID: SB04@12-16'

Date Collected: 10/14/25 12:10
Date Received: 10/15/25 09:31

Lab Sample ID: 885-35531-11

Matrix: Solid

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	ND		4.9		mg/Kg		10/15/25 13:13	10/16/25 21:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*15 - 150*	*10/15/25 13:13*	*10/16/25 21:06*	*1*

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		10/15/25 13:13	10/16/25 21:06	1
Ethylbenzene	ND		0.049		mg/Kg		10/15/25 13:13	10/16/25 21:06	1
Toluene	ND		0.049		mg/Kg		10/15/25 13:13	10/16/25 21:06	1
Xylenes, Total	ND		0.099		mg/Kg		10/15/25 13:13	10/16/25 21:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*15 - 150*	*10/15/25 13:13*	*10/16/25 21:06*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8		mg/Kg		10/16/25 11:17	10/16/25 14:19	1
Motor Oil Range Organics [C28-C40]	ND		49		mg/Kg		10/16/25 11:17	10/16/25 14:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*73*		*62 - 134*	*10/16/25 11:17*	*10/16/25 14:19*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**80**		50		mg/Kg		10/16/25 13:05	10/18/25 18:53	10

Client Sample Results

Client: Enterprise Products
Project/Site: Blanco C-7

Job ID: 885-35531-1

Client Sample ID: SB04@20-24'

Date Collected: 10/14/25 12:15
Date Received: 10/15/25 09:31

Lab Sample ID: 885-35531-12

Matrix: Solid

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	ND		4.7	mg/Kg		10/15/25 13:13	10/16/25 21:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*123*		*15 - 150*	*10/15/25 13:13*	*10/16/25 21:29*	*1*

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		10/15/25 13:13	10/16/25 21:29	1
Ethylbenzene	ND		0.047	mg/Kg		10/15/25 13:13	10/16/25 21:29	1
Toluene	ND		0.047	mg/Kg		10/15/25 13:13	10/16/25 21:29	1
Xylenes, Total	ND		0.095	mg/Kg		10/15/25 13:13	10/16/25 21:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*15 - 150*	*10/15/25 13:13*	*10/16/25 21:29*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		10/16/25 11:17	10/16/25 14:31	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		10/16/25 11:17	10/16/25 14:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*66*		*62 - 134*	*10/16/25 11:17*	*10/16/25 14:31*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**54**		50	mg/Kg		10/16/25 13:05	10/18/25 19:04	10

Client Sample Results

Client: Enterprise Products
Project/Site: Blanco C-7

Job ID: 885-35531-1

Client Sample ID: SB06@0-4'

Date Collected: 10/14/25 12:30
Date Received: 10/15/25 09:31

Lab Sample ID: 885-35531-13

Matrix: Solid

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	ND		4.8	mg/Kg		10/15/25 13:13	10/16/25 21:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*124*		*15 - 150*	*10/15/25 13:13*	*10/16/25 21:53*	*1*

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		10/15/25 13:13	10/16/25 21:53	1
Ethylbenzene	ND		0.048	mg/Kg		10/15/25 13:13	10/16/25 21:53	1
Toluene	ND		0.048	mg/Kg		10/15/25 13:13	10/16/25 21:53	1
Xylenes, Total	ND		0.097	mg/Kg		10/15/25 13:13	10/16/25 21:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*15 - 150*	*10/15/25 13:13*	*10/16/25 21:53*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		10/16/25 11:17	10/16/25 14:43	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		10/16/25 11:17	10/16/25 14:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*95*		*62 - 134*	*10/16/25 11:17*	*10/16/25 14:43*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		49	mg/Kg		10/16/25 14:20	10/18/25 23:02	10

Client Sample Results

Client: Enterprise Products
Project/Site: Blanco C-7

Job ID: 885-35531-1

Client Sample ID: SB06@8-12'

Date Collected: 10/14/25 12:40
Date Received: 10/15/25 09:31

Lab Sample ID: 885-35531-14

Matrix: Solid

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	ND		4.7		mg/Kg		10/15/25 13:13	10/16/25 22:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*15 - 150*	*10/15/25 13:13*	*10/16/25 22:17*	*1*

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		10/15/25 13:13	10/16/25 22:17	1
Ethylbenzene	ND		0.047		mg/Kg		10/15/25 13:13	10/16/25 22:17	1
Toluene	ND		0.047		mg/Kg		10/15/25 13:13	10/16/25 22:17	1
Xylenes, Total	ND		0.095		mg/Kg		10/15/25 13:13	10/16/25 22:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*15 - 150*	*10/15/25 13:13*	*10/16/25 22:17*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8		mg/Kg		10/16/25 11:17	10/16/25 14:55	1
Motor Oil Range Organics [C28-C40]	ND		49		mg/Kg		10/16/25 11:17	10/16/25 14:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*87*		*62 - 134*	*10/16/25 11:17*	*10/16/25 14:55*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		51		mg/Kg		10/16/25 14:07	10/18/25 19:35	10

Client Sample Results

Client: Enterprise Products
Project/Site: Blanco C-7

Job ID: 885-35531-1

Client Sample ID: SB06@20-24'

Date Collected: 10/14/25 12:50
Date Received: 10/15/25 09:31

Lab Sample ID: 885-35531-15

Matrix: Solid

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	ND		4.9	mg/Kg		10/15/25 13:13	10/16/25 22:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*15 - 150*	*10/15/25 13:13*	*10/16/25 22:41*	*1*

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		10/15/25 13:13	10/16/25 22:41	1
Ethylbenzene	ND		0.049	mg/Kg		10/15/25 13:13	10/16/25 22:41	1
Toluene	ND		0.049	mg/Kg		10/15/25 13:13	10/16/25 22:41	1
Xylenes, Total	ND		0.099	mg/Kg		10/15/25 13:13	10/16/25 22:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*15 - 150*	*10/15/25 13:13*	*10/16/25 22:41*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6	mg/Kg		10/16/25 11:17	10/16/25 15:07	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		10/16/25 11:17	10/16/25 15:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*93*		*62 - 134*	*10/16/25 11:17*	*10/16/25 15:07*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND	F1	50	mg/Kg		10/16/25 14:07	10/18/25 20:06	10

Client Sample Results

Client: Enterprise Products
Project/Site: Blanco C-7

Job ID: 885-35531-1

Client Sample ID: SB07@12-16'

Date Collected: 10/14/25 13:10
Date Received: 10/15/25 09:31

Lab Sample ID: 885-35531-16

Matrix: Solid

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	ND		5.0		mg/Kg		10/15/25 13:13	10/16/25 23:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*15 - 150*	*10/15/25 13:13*	*10/16/25 23:05*	*1*

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		10/15/25 13:13	10/16/25 23:05	1
Ethylbenzene	ND		0.050		mg/Kg		10/15/25 13:13	10/16/25 23:05	1
Toluene	ND		0.050		mg/Kg		10/15/25 13:13	10/16/25 23:05	1
Xylenes, Total	ND		0.10		mg/Kg		10/15/25 13:13	10/16/25 23:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*15 - 150*	*10/15/25 13:13*	*10/16/25 23:05*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.3		mg/Kg		10/16/25 11:17	10/16/25 15:19	1
Motor Oil Range Organics [C28-C40]	ND		47		mg/Kg		10/16/25 11:17	10/16/25 15:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*92*		*62 - 134*	*10/16/25 11:17*	*10/16/25 15:19*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50		mg/Kg		10/16/25 14:07	10/18/25 20:58	10

Client Sample Results

Client: Enterprise Products
Project/Site: Blanco C-7

Job ID: 885-35531-1

Client Sample ID: SB07@16-20'

Date Collected: 10/14/25 13:20
Date Received: 10/15/25 09:31

Lab Sample ID: 885-35531-17

Matrix: Solid

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	ND		4.7	mg/Kg		10/15/25 13:13	10/16/25 23:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*128*		*15 - 150*	*10/15/25 13:13*	*10/16/25 23:29*	*1*

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		10/15/25 13:13	10/16/25 23:29	1
Ethylbenzene	ND		0.047	mg/Kg		10/15/25 13:13	10/16/25 23:29	1
Toluene	ND		0.047	mg/Kg		10/15/25 13:13	10/16/25 23:29	1
Xylenes, Total	ND		0.094	mg/Kg		10/15/25 13:13	10/16/25 23:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*15 - 150*	*10/15/25 13:13*	*10/16/25 23:29*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**110**		9.8	mg/Kg		10/16/25 11:17	10/16/25 15:31	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		10/16/25 11:17	10/16/25 15:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*90*		*62 - 134*	*10/16/25 11:17*	*10/16/25 15:31*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		51	mg/Kg		10/16/25 14:07	10/18/25 21:08	10

Client Sample Results

Client: Enterprise Products
Project/Site: Blanco C-7

Job ID: 885-35531-1

Client Sample ID: SB07@20-24'

Date Collected: 10/14/25 13:30
Date Received: 10/15/25 09:31

Lab Sample ID: 885-35531-18

Matrix: Solid

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	3400		480	mg/Kg		10/15/25 13:13	10/17/25 13:36	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*167*	*S1+*	*15 - 150*	*10/15/25 13:13*	*10/17/25 13:36*	*100*

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	13		2.4	mg/Kg		10/15/25 13:13	10/17/25 13:36	100
Ethylbenzene	16		4.8	mg/Kg		10/15/25 13:13	10/17/25 13:36	100
Toluene	110		4.8	mg/Kg		10/15/25 13:13	10/17/25 13:36	100
Xylenes, Total	170		9.6	mg/Kg		10/15/25 13:13	10/17/25 13:36	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*15 - 150*	*10/15/25 13:13*	*10/17/25 13:36*	*100*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	6000		100	mg/Kg		10/16/25 11:17	10/16/25 15:43	10
Motor Oil Range Organics [C28-C40]	1400		500	mg/Kg		10/16/25 11:17	10/16/25 15:43	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*0*	*S1- D*	*62 - 134*	*10/16/25 11:17*	*10/16/25 15:43*	*10*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		51	mg/Kg		10/16/25 14:07	10/18/25 21:18	10

Client Sample Results

Client: Enterprise Products
Project/Site: Blanco C-7

Job ID: 885-35531-1

Client Sample ID: SB07@24'

Date Collected: 10/14/25 13:35
Date Received: 10/15/25 09:31

Lab Sample ID: 885-35531-19

Matrix: Solid

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	ND		4.9	mg/Kg		10/15/25 13:13	10/17/25 14:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*126*		*15 - 150*	*10/15/25 13:13*	*10/17/25 14:00*	*1*

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.050**		0.024	mg/Kg		10/15/25 13:13	10/17/25 14:00	1
Ethylbenzene	ND		0.049	mg/Kg		10/15/25 13:13	10/17/25 14:00	1
Toluene	**0.12**		0.049	mg/Kg		10/15/25 13:13	10/17/25 14:00	1
Xylenes, Total	**0.13**		0.097	mg/Kg		10/15/25 13:13	10/17/25 14:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*15 - 150*	*10/15/25 13:13*	*10/17/25 14:00*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		10/16/25 11:17	10/16/25 15:55	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		10/16/25 11:17	10/16/25 15:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*92*		*62 - 134*	*10/16/25 11:17*	*10/16/25 15:55*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50	mg/Kg		10/16/25 14:07	10/18/25 21:29	10

Client Sample Results

Client: Enterprise Products
Project/Site: Blanco C-7

Job ID: 885-35531-1

Client Sample ID: SB08@4-8'

Date Collected: 10/14/25 14:00
Date Received: 10/15/25 09:31

Lab Sample ID: 885-35531-20

Matrix: Solid

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	ND		4.9		mg/Kg		10/15/25 13:13	10/17/25 01:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*123*		*15 - 150*	*10/15/25 13:13*	*10/17/25 01:04*	*1*

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		10/15/25 13:13	10/17/25 01:04	1
Ethylbenzene	ND		0.049		mg/Kg		10/15/25 13:13	10/17/25 01:04	1
Toluene	ND		0.049		mg/Kg		10/15/25 13:13	10/17/25 01:04	1
Xylenes, Total	ND		0.098		mg/Kg		10/15/25 13:13	10/17/25 01:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*15 - 150*	*10/15/25 13:13*	*10/17/25 01:04*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6		mg/Kg		10/16/25 11:17	10/16/25 16:07	1
Motor Oil Range Organics [C28-C40]	ND		48		mg/Kg		10/16/25 11:17	10/16/25 16:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*101*		*62 - 134*	*10/16/25 11:17*	*10/16/25 16:07*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50		mg/Kg		10/16/25 14:07	10/18/25 21:39	10

Client Sample Results

Client: Enterprise Products
Project/Site: Blanco C-7

Job ID: 885-35531-1

Client Sample ID: SB08@16-20'

Date Collected: 10/14/25 14:10
Date Received: 10/15/25 09:31

Lab Sample ID: 885-35531-21

Matrix: Solid

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	ND		5.0		mg/Kg		10/16/25 10:07	10/17/25 14:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*122*		*15 - 150*	*10/16/25 10:07*	*10/17/25 14:23*	*1*

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		10/16/25 10:07	10/17/25 14:23	1
Ethylbenzene	ND		0.050		mg/Kg		10/16/25 10:07	10/17/25 14:23	1
Toluene	ND		0.050		mg/Kg		10/16/25 10:07	10/17/25 14:23	1
Xylenes, Total	ND		0.10		mg/Kg		10/16/25 10:07	10/17/25 14:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*15 - 150*	*10/16/25 10:07*	*10/17/25 14:23*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7		mg/Kg		10/16/25 12:50	10/16/25 14:57	1
Motor Oil Range Organics [C28-C40]	ND		49		mg/Kg		10/16/25 12:50	10/16/25 14:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*93*		*62 - 134*	*10/16/25 12:50*	*10/16/25 14:57*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50		mg/Kg		10/16/25 14:07	10/18/25 21:49	10

Client Sample Results

Client: Enterprise Products
Project/Site: Blanco C-7

Job ID: 885-35531-1

Client Sample ID: SB08@20-24'

Date Collected: 10/14/25 14:20
Date Received: 10/15/25 09:31

Lab Sample ID: 885-35531-22

Matrix: Solid

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	ND		5.0	mg/Kg		10/16/25 10:07	10/17/25 15:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*15 - 150*	*10/16/25 10:07*	*10/17/25 15:34*	*1*

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		10/16/25 10:07	10/17/25 15:34	1
Ethylbenzene	ND		0.050	mg/Kg		10/16/25 10:07	10/17/25 15:34	1
Toluene	ND		0.050	mg/Kg		10/16/25 10:07	10/17/25 15:34	1
Xylenes, Total	ND		0.099	mg/Kg		10/16/25 10:07	10/17/25 15:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*15 - 150*	*10/16/25 10:07*	*10/17/25 15:34*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.3	mg/Kg		10/16/25 12:50	10/16/25 15:21	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		10/16/25 12:50	10/16/25 15:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*97*		*62 - 134*	*10/16/25 12:50*	*10/16/25 15:21*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		51	mg/Kg		10/16/25 14:20	10/18/25 22:00	10

Client Sample Results

Client: Enterprise Products
Project/Site: Blanco C-7

Job ID: 885-35531-1

Client Sample ID: SB05@4-8'

Date Collected: 10/14/25 12:20
Date Received: 10/15/25 07:30

Lab Sample ID: 885-35531-23

Matrix: Solid

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	ND		4.8	mg/Kg		10/16/25 10:07	10/17/25 16:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*15 - 150*	*10/16/25 10:07*	*10/17/25 16:45*	*1*

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		10/16/25 10:07	10/17/25 16:45	1
Ethylbenzene	ND		0.048	mg/Kg		10/16/25 10:07	10/17/25 16:45	1
Toluene	ND		0.048	mg/Kg		10/16/25 10:07	10/17/25 16:45	1
Xylenes, Total	ND		0.097	mg/Kg		10/16/25 10:07	10/17/25 16:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*15 - 150*	*10/16/25 10:07*	*10/17/25 16:45*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.1	mg/Kg		10/16/25 12:50	10/16/25 15:44	1
Motor Oil Range Organics [C28-C40]	ND		45	mg/Kg		10/16/25 12:50	10/16/25 15:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*94*		*62 - 134*	*10/16/25 12:50*	*10/16/25 15:44*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		51	mg/Kg		10/16/25 14:20	10/18/25 22:10	10

Client Sample Results

Client: Enterprise Products
Project/Site: Blanco C-7

Job ID: 885-35531-1

Client Sample ID: SB05@8-12'

Lab Sample ID: 885-35531-24

Date Collected: 10/14/25 12:25
Date Received: 10/15/25 07:30

Matrix: Solid

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	ND		4.9	mg/Kg		10/16/25 10:07	10/17/25 17:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*15 - 150*	*10/16/25 10:07*	*10/17/25 17:09*	*1*

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		10/16/25 10:07	10/17/25 17:09	1
Ethylbenzene	ND		0.049	mg/Kg		10/16/25 10:07	10/17/25 17:09	1
Toluene	ND		0.049	mg/Kg		10/16/25 10:07	10/17/25 17:09	1
Xylenes, Total	ND		0.099	mg/Kg		10/16/25 10:07	10/17/25 17:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*15 - 150*	*10/16/25 10:07*	*10/17/25 17:09*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		8.6	mg/Kg		10/16/25 12:50	10/16/25 16:08	1
Motor Oil Range Organics [C28-C40]	ND		43	mg/Kg		10/16/25 12:50	10/16/25 16:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*92*		*62 - 134*	*10/16/25 12:50*	*10/16/25 16:08*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50	mg/Kg		10/16/25 14:20	10/18/25 22:20	10

Client Sample Results

Client: Enterprise Products
Project/Site: Blanco C-7

Job ID: 885-35531-1

Client Sample ID: SB05@20-24'

Date Collected: 10/14/25 12:30
Date Received: 10/15/25 07:30

Lab Sample ID: 885-35531-25

Matrix: Solid

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	ND		4.9		mg/Kg		10/16/25 10:07	10/17/25 17:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*124*		*15 - 150*	*10/16/25 10:07*	*10/17/25 17:33*	*1*

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		10/16/25 10:07	10/17/25 17:33	1
Ethylbenzene	ND		0.049		mg/Kg		10/16/25 10:07	10/17/25 17:33	1
Toluene	ND		0.049		mg/Kg		10/16/25 10:07	10/17/25 17:33	1
Xylenes, Total	ND		0.097		mg/Kg		10/16/25 10:07	10/17/25 17:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*15 - 150*	*10/16/25 10:07*	*10/17/25 17:33*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5		mg/Kg		10/16/25 12:50	10/16/25 16:31	1
Motor Oil Range Organics [C28-C40]	ND		48		mg/Kg		10/16/25 12:50	10/16/25 16:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*91*		*62 - 134*	*10/16/25 12:50*	*10/16/25 16:31*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**89**		50		mg/Kg		10/16/25 14:20	10/18/25 22:31	10

QC Sample Results

Client: Enterprise Products
Project/Site: Blanco C-7

Job ID: 885-35531-1

Method: 8015M/D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 885-36733/1-A
Matrix: Solid
Analysis Batch: 36798

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 36733

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	ND		5.0		mg/Kg		10/15/25 13:13	10/16/25 13:12	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*15 - 150*	*10/15/25 13:13*	*10/16/25 13:12*	*1*

Lab Sample ID: LCS 885-36733/2-A
Matrix: Solid
Analysis Batch: 36798

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 36733

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
GRO (C6-C10)			25.0	31.7		mg/Kg		127	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*237*		*15 - 150*

Lab Sample ID: 885-35531-1 MS
Matrix: Solid
Analysis Batch: 36798

Client Sample ID: SB01@4-8'
Prep Type: Total/NA
Prep Batch: 36733

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
GRO (C6-C10)	ND		24.7	31.7		mg/Kg		121	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*239*		*15 - 150*

Lab Sample ID: 885-35531-1 MSD
Matrix: Solid
Analysis Batch: 36798

Client Sample ID: SB01@4-8'
Prep Type: Total/NA
Prep Batch: 36733

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
GRO (C6-C10)	ND		24.8	30.5		mg/Kg		115	70 - 130	4	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*237*		*15 - 150*

Lab Sample ID: MB 885-36787/1-A
Matrix: Solid
Analysis Batch: 36861

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 36787

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	ND		5.0		mg/Kg		10/16/25 10:07	10/17/25 13:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*15 - 150*	*10/16/25 10:07*	*10/17/25 13:13*	*1*

QC Sample Results

Client: Enterprise Products
Project/Site: Blanco C-7

Job ID: 885-35531-1

Method: 8015M/D - Gasoline Range Organics (GRO) (GC) (Continued)

Lab Sample ID: LCS 885-36787/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 36861 — **Prep Batch: 36787**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
GRO (C6-C10)			25.0	29.2		mg/Kg		117	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*239*		*15 - 150*

Lab Sample ID: 885-35531-21 MS — **Client Sample ID: SB08@16-20'**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 36861 — **Prep Batch: 36787**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
GRO (C6-C10)	ND		24.7	29.5		mg/Kg		119	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*238*	*S1+*	*15 - 150*

Lab Sample ID: 885-35531-21 MSD — **Client Sample ID: SB08@16-20'**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 36861 — **Prep Batch: 36787**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
GRO (C6-C10)	ND		24.7	30.1		mg/Kg		122	70 - 130	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*234*	*S1+*	*15 - 150*

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-36733/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 36799 — **Prep Batch: 36733**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		10/15/25 13:13	10/16/25 13:12	1
Ethylbenzene	ND		0.050		mg/Kg		10/15/25 13:13	10/16/25 13:12	1
Toluene	ND		0.050		mg/Kg		10/15/25 13:13	10/16/25 13:12	1
Xylenes, Total	ND		0.10		mg/Kg		10/15/25 13:13	10/16/25 13:12	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*15 - 150*	*10/15/25 13:13*	*10/16/25 13:12*	*1*

Lab Sample ID: LCS 885-36733/3-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 36799 — **Prep Batch: 36733**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			1.00	0.993		mg/Kg		99	70 - 130		
Ethylbenzene			1.00	1.00		mg/Kg		100	70 - 130		
Toluene			1.00	1.00		mg/Kg		100	70 - 130		

QC Sample Results

Client: Enterprise Products
Project/Site: Blanco C-7

Job ID: 885-35531-1

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCS 885-36733/3-A
Matrix: Solid
Analysis Batch: 36799

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 36733

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Xylenes, Total	3.00	3.02		mg/Kg		101	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*15 - 150*

Lab Sample ID: 885-35531-2 MS
Matrix: Solid
Analysis Batch: 36799

Client Sample ID: SB01@12-16'
Prep Type: Total/NA
Prep Batch: 36733

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	ND		0.977	1.08		mg/Kg		111	70 - 130
Ethylbenzene	ND		0.977	1.14		mg/Kg		116	70 - 130
Toluene	ND		0.977	1.13		mg/Kg		116	70 - 130
Xylenes, Total	ND		2.93	3.39		mg/Kg		115	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*15 - 150*

Lab Sample ID: 885-35531-2 MSD
Matrix: Solid
Analysis Batch: 36799

Client Sample ID: SB01@12-16'
Prep Type: Total/NA
Prep Batch: 36733

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	ND		0.971	1.03		mg/Kg		106	70 - 130	5	20
Ethylbenzene	ND		0.971	1.08		mg/Kg		112	70 - 130	5	20
Toluene	ND		0.971	1.06		mg/Kg		109	70 - 130	7	20
Xylenes, Total	ND		2.91	3.21		mg/Kg		109	70 - 130	5	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*15 - 150*

Lab Sample ID: MB 885-36787/1-A
Matrix: Solid
Analysis Batch: 36862

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 36787

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		10/16/25 10:07	10/17/25 13:13	1
Ethylbenzene	ND		0.050	mg/Kg		10/16/25 10:07	10/17/25 13:13	1
Toluene	ND		0.050	mg/Kg		10/16/25 10:07	10/17/25 13:13	1
Xylenes, Total	ND		0.10	mg/Kg		10/16/25 10:07	10/17/25 13:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*15 - 150*	*10/16/25 10:07*	*10/17/25 13:13*	*1*

QC Sample Results

Client: Enterprise Products
Project/Site: Blanco C-7

Job ID: 885-35531-1

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCS 885-36787/3-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 36862 — **Prep Batch: 36787**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	1.00	0.963		mg/Kg		96	70 - 130
Ethylbenzene	1.00	0.991		mg/Kg		99	70 - 130
Toluene	1.00	0.977		mg/Kg		98	70 - 130
Xylenes, Total	3.00	2.94		mg/Kg		98	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*111*		*15 - 150*

Lab Sample ID: 885-35531-22 MS — **Client Sample ID: SB08@20-24'**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 36862 — **Prep Batch: 36787**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	ND		0.986	1.00		mg/Kg		102	70 - 130
Ethylbenzene	ND		0.986	1.00		mg/Kg		102	70 - 130
Toluene	ND		0.986	1.02		mg/Kg		104	70 - 130
Xylenes, Total	ND		2.96	3.02		mg/Kg		101	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*109*		*15 - 150*

Lab Sample ID: 885-35531-22 MSD — **Client Sample ID: SB08@20-24'**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 36862 — **Prep Batch: 36787**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	ND		0.981	0.969		mg/Kg		99	70 - 130	3	20
Ethylbenzene	ND		0.981	0.995		mg/Kg		101	70 - 130	1	20
Toluene	ND		0.981	0.986		mg/Kg		100	70 - 130	4	20
Xylenes, Total	ND		2.94	2.97		mg/Kg		100	70 - 130	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*15 - 150*

Method: 8015M/D - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 885-36773/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 36796 — **Prep Batch: 36773**

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		10/16/25 09:11	10/16/25 12:13	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		10/16/25 09:11	10/16/25 12:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*91*		*62 - 134*	*10/16/25 09:11*	*10/16/25 12:13*	*1*

QC Sample Results

Client: Enterprise Products
Project/Site: Blanco C-7

Job ID: 885-35531-1

Method: 8015M/D - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 885-36773/2-A
Matrix: Solid
Analysis Batch: 36796

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 36773

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics [C10-C28]			50.0	49.3		mg/Kg		99	51 - 148		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Di-n-octyl phthalate (Surr)	*91*		*62 - 134*

Lab Sample ID: MB 885-36792/1-A
Matrix: Solid
Analysis Batch: 36797

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 36792

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10		mg/Kg		10/16/25 11:17	10/16/25 14:16	1
Motor Oil Range Organics [C28-C40]	ND		50		mg/Kg		10/16/25 11:17	10/16/25 14:16	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*85*		*62 - 134*	*10/16/25 11:17*	*10/16/25 14:16*	*1*

Lab Sample ID: LCS 885-36792/2-A
Matrix: Solid
Analysis Batch: 36797

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 36792

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics [C10-C28]			50.0	36.1		mg/Kg		72	51 - 148		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Di-n-octyl phthalate (Surr)	*70*		*62 - 134*

Lab Sample ID: 885-35531-20 MS
Matrix: Solid
Analysis Batch: 36793

Client Sample ID: SB08@4-8'
Prep Type: Total/NA
Prep Batch: 36792

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics [C10-C28]	ND		49.8	51.3		mg/Kg		103	44 - 136		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Di-n-octyl phthalate (Surr)	*97*		*62 - 134*

Lab Sample ID: 885-35531-20 MSD
Matrix: Solid
Analysis Batch: 36793

Client Sample ID: SB08@4-8'
Prep Type: Total/NA
Prep Batch: 36792

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	ND		49.7	40.6		mg/Kg		82	44 - 136	23	32

QC Sample Results

Client: Enterprise Products
Project/Site: Blanco C-7

Job ID: 885-35531-1

Method: 8015M/D - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 885-35531-20 MSD — **Client Sample ID: SB08@4-8'**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 36793 — **Prep Batch: 36792**

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Di-n-octyl phthalate (Surr)	*97*		*62 - 134*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-36804/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 36897 — **Prep Batch: 36804**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		5.0		mg/Kg		10/16/25 13:05	10/18/25 12:24	1

Lab Sample ID: LCS 885-36804/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 36897 — **Prep Batch: 36804**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			50.5	49.2		mg/Kg		97	90 - 110		

Lab Sample ID: MB 885-36806/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 36897 — **Prep Batch: 36806**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		4.9		mg/Kg		10/16/25 14:07	10/18/25 12:49	1

Lab Sample ID: LCS 885-36806/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 36897 — **Prep Batch: 36806**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			49.7	47.6		mg/Kg		96	90 - 110		

Lab Sample ID: 885-35531-14 MS — **Client Sample ID: SB06@8-12'**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 36897 — **Prep Batch: 36806**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	ND		50.8	57.2		mg/Kg		NC	50 - 150		

Lab Sample ID: 885-35531-14 MSD — **Client Sample ID: SB06@8-12'**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 36897 — **Prep Batch: 36806**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	ND		50.3	53.7		mg/Kg		107	50 - 150	6	20

QC Association Summary

Client: Enterprise Products
Project/Site: Blanco C-7

Job ID: 885-35531-1

GC VOA

Prep Batch: 36733

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-35531-1	SB01@4-8'	Total/NA	Solid	5030C	
885-35531-2	SB01@12-16'	Total/NA	Solid	5030C	
885-35531-3	SB01@20-24'	Total/NA	Solid	5030C	
885-35531-4	SB02@8-12'	Total/NA	Solid	5030C	
885-35531-5	SB02@12-16'	Total/NA	Solid	5030C	
885-35531-6	SB02@20-24'	Total/NA	Solid	5030C	
885-35531-7	SB03@4-8'	Total/NA	Solid	5030C	
885-35531-8	SB03@12-16'	Total/NA	Solid	5030C	
885-35531-9	SB03@20-24'	Total/NA	Solid	5030C	
885-35531-10	SB04@8-12'	Total/NA	Solid	5030C	
885-35531-11	SB04@12-16'	Total/NA	Solid	5030C	
885-35531-12	SB04@20-24'	Total/NA	Solid	5030C	
885-35531-13	SB06@0-4'	Total/NA	Solid	5030C	
885-35531-14	SB06@8-12'	Total/NA	Solid	5030C	
885-35531-15	SB06@20-24'	Total/NA	Solid	5030C	
885-35531-16	SB07@12-16'	Total/NA	Solid	5030C	
885-35531-17	SB07@16-20'	Total/NA	Solid	5030C	
885-35531-18	SB07@20-24'	Total/NA	Solid	5030C	
885-35531-19	SB07@24'	Total/NA	Solid	5030C	
885-35531-20	SB08@4-8'	Total/NA	Solid	5030C	
MB 885-36733/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-36733/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-36733/3-A	Lab Control Sample	Total/NA	Solid	5030C	
885-35531-1 MS	SB01@4-8'	Total/NA	Solid	5030C	
885-35531-1 MSD	SB01@4-8'	Total/NA	Solid	5030C	
885-35531-2 MS	SB01@12-16'	Total/NA	Solid	5030C	
885-35531-2 MSD	SB01@12-16'	Total/NA	Solid	5030C	

Prep Batch: 36787

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-35531-21	SB08@16-20'	Total/NA	Solid	5030C	
885-35531-22	SB08@20-24'	Total/NA	Solid	5030C	
885-35531-23	SB05@4-8'	Total/NA	Solid	5030C	
885-35531-24	SB05@8-12'	Total/NA	Solid	5030C	
885-35531-25	SB05@20-24'	Total/NA	Solid	5030C	
MB 885-36787/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-36787/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-36787/3-A	Lab Control Sample	Total/NA	Solid	5030C	
885-35531-21 MS	SB08@16-20'	Total/NA	Solid	5030C	
885-35531-21 MSD	SB08@16-20'	Total/NA	Solid	5030C	
885-35531-22 MS	SB08@20-24'	Total/NA	Solid	5030C	
885-35531-22 MSD	SB08@20-24'	Total/NA	Solid	5030C	

Analysis Batch: 36798

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-35531-1	SB01@4-8'	Total/NA	Solid	8015M/D	36733
885-35531-2	SB01@12-16'	Total/NA	Solid	8015M/D	36733
885-35531-3	SB01@20-24'	Total/NA	Solid	8015M/D	36733
885-35531-4	SB02@8-12'	Total/NA	Solid	8015M/D	36733
885-35531-5	SB02@12-16'	Total/NA	Solid	8015M/D	36733
885-35531-6	SB02@20-24'	Total/NA	Solid	8015M/D	36733

QC Association Summary

Client: Enterprise Products
Project/Site: Blanco C-7

Job ID: 885-35531-1

GC VOA (Continued)

Analysis Batch: 36798 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-35531-7	SB03@4-8'	Total/NA	Solid	8015M/D	36733
885-35531-8	SB03@12-16'	Total/NA	Solid	8015M/D	36733
885-35531-9	SB03@20-24'	Total/NA	Solid	8015M/D	36733
885-35531-10	SB04@8-12'	Total/NA	Solid	8015M/D	36733
885-35531-11	SB04@12-16'	Total/NA	Solid	8015M/D	36733
885-35531-12	SB04@20-24'	Total/NA	Solid	8015M/D	36733
885-35531-13	SB06@0-4'	Total/NA	Solid	8015M/D	36733
885-35531-14	SB06@8-12'	Total/NA	Solid	8015M/D	36733
885-35531-15	SB06@20-24'	Total/NA	Solid	8015M/D	36733
885-35531-16	SB07@12-16'	Total/NA	Solid	8015M/D	36733
885-35531-17	SB07@16-20'	Total/NA	Solid	8015M/D	36733
885-35531-20	SB08@4-8'	Total/NA	Solid	8015M/D	36733
MB 885-36733/1-A	Method Blank	Total/NA	Solid	8015M/D	36733
LCS 885-36733/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	36733
885-35531-1 MS	SB01@4-8'	Total/NA	Solid	8015M/D	36733
885-35531-1 MSD	SB01@4-8'	Total/NA	Solid	8015M/D	36733

Analysis Batch: 36799

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-35531-1	SB01@4-8'	Total/NA	Solid	8021B	36733
885-35531-2	SB01@12-16'	Total/NA	Solid	8021B	36733
885-35531-3	SB01@20-24'	Total/NA	Solid	8021B	36733
885-35531-4	SB02@8-12'	Total/NA	Solid	8021B	36733
885-35531-5	SB02@12-16'	Total/NA	Solid	8021B	36733
885-35531-6	SB02@20-24'	Total/NA	Solid	8021B	36733
885-35531-7	SB03@4-8'	Total/NA	Solid	8021B	36733
885-35531-8	SB03@12-16'	Total/NA	Solid	8021B	36733
885-35531-9	SB03@20-24'	Total/NA	Solid	8021B	36733
885-35531-10	SB04@8-12'	Total/NA	Solid	8021B	36733
885-35531-11	SB04@12-16'	Total/NA	Solid	8021B	36733
885-35531-12	SB04@20-24'	Total/NA	Solid	8021B	36733
885-35531-13	SB06@0-4'	Total/NA	Solid	8021B	36733
885-35531-14	SB06@8-12'	Total/NA	Solid	8021B	36733
885-35531-15	SB06@20-24'	Total/NA	Solid	8021B	36733
885-35531-16	SB07@12-16'	Total/NA	Solid	8021B	36733
885-35531-17	SB07@16-20'	Total/NA	Solid	8021B	36733
885-35531-20	SB08@4-8'	Total/NA	Solid	8021B	36733
MB 885-36733/1-A	Method Blank	Total/NA	Solid	8021B	36733
LCS 885-36733/3-A	Lab Control Sample	Total/NA	Solid	8021B	36733
885-35531-2 MS	SB01@12-16'	Total/NA	Solid	8021B	36733
885-35531-2 MSD	SB01@12-16'	Total/NA	Solid	8021B	36733

Analysis Batch: 36861

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-35531-18	SB07@20-24'	Total/NA	Solid	8015M/D	36733
885-35531-19	SB07@24'	Total/NA	Solid	8015M/D	36733
885-35531-21	SB08@16-20'	Total/NA	Solid	8015M/D	36787
885-35531-22	SB08@20-24'	Total/NA	Solid	8015M/D	36787
885-35531-23	SB05@4-8'	Total/NA	Solid	8015M/D	36787
885-35531-24	SB05@8-12'	Total/NA	Solid	8015M/D	36787
885-35531-25	SB05@20-24'	Total/NA	Solid	8015M/D	36787

QC Association Summary

Client: Enterprise Products
Project/Site: Blanco C-7

Job ID: 885-35531-1

GC VOA (Continued)

Analysis Batch: 36861 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 885-36787/1-A	Method Blank	Total/NA	Solid	8015M/D	36787
LCS 885-36787/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	36787
885-35531-21 MS	SB08@16-20'	Total/NA	Solid	8015M/D	36787
885-35531-21 MSD	SB08@16-20'	Total/NA	Solid	8015M/D	36787

Analysis Batch: 36862

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-35531-18	SB07@20-24'	Total/NA	Solid	8021B	36733
885-35531-19	SB07@24'	Total/NA	Solid	8021B	36733
885-35531-21	SB08@16-20'	Total/NA	Solid	8021B	36787
885-35531-22	SB08@20-24'	Total/NA	Solid	8021B	36787
885-35531-23	SB05@4-8'	Total/NA	Solid	8021B	36787
885-35531-24	SB05@8-12'	Total/NA	Solid	8021B	36787
885-35531-25	SB05@20-24'	Total/NA	Solid	8021B	36787
MB 885-36787/1-A	Method Blank	Total/NA	Solid	8021B	36787
LCS 885-36787/3-A	Lab Control Sample	Total/NA	Solid	8021B	36787
885-35531-22 MS	SB08@20-24'	Total/NA	Solid	8021B	36787
885-35531-22 MSD	SB08@20-24'	Total/NA	Solid	8021B	36787

GC Semi VOA

Prep Batch: 36773

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-35531-21	SB08@16-20'	Total/NA	Solid	SHAKE	
885-35531-22	SB08@20-24'	Total/NA	Solid	SHAKE	
885-35531-23	SB05@4-8'	Total/NA	Solid	SHAKE	
885-35531-24	SB05@8-12'	Total/NA	Solid	SHAKE	
885-35531-25	SB05@20-24'	Total/NA	Solid	SHAKE	
MB 885-36773/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-36773/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Prep Batch: 36792

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-35531-1	SB01@4-8'	Total/NA	Solid	SHAKE	
885-35531-2	SB01@12-16'	Total/NA	Solid	SHAKE	
885-35531-3	SB01@20-24'	Total/NA	Solid	SHAKE	
885-35531-4	SB02@8-12'	Total/NA	Solid	SHAKE	
885-35531-5	SB02@12-16'	Total/NA	Solid	SHAKE	
885-35531-6	SB02@20-24'	Total/NA	Solid	SHAKE	
885-35531-7	SB03@4-8'	Total/NA	Solid	SHAKE	
885-35531-8	SB03@12-16'	Total/NA	Solid	SHAKE	
885-35531-9	SB03@20-24'	Total/NA	Solid	SHAKE	
885-35531-10	SB04@8-12'	Total/NA	Solid	SHAKE	
885-35531-11	SB04@12-16'	Total/NA	Solid	SHAKE	
885-35531-12	SB04@20-24'	Total/NA	Solid	SHAKE	
885-35531-13	SB06@0-4'	Total/NA	Solid	SHAKE	
885-35531-14	SB06@8-12'	Total/NA	Solid	SHAKE	
885-35531-15	SB06@20-24'	Total/NA	Solid	SHAKE	
885-35531-16	SB07@12-16'	Total/NA	Solid	SHAKE	
885-35531-17	SB07@16-20'	Total/NA	Solid	SHAKE	
885-35531-18	SB07@20-24'	Total/NA	Solid	SHAKE	

QC Association Summary

Client: Enterprise Products
Project/Site: Blanco C-7

Job ID: 885-35531-1

GC Semi VOA (Continued)

Prep Batch: 36792 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-35531-19	SB07@24'	Total/NA	Solid	SHAKE	
885-35531-20	SB08@4-8'	Total/NA	Solid	SHAKE	
MB 885-36792/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-36792/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
885-35531-20 MS	SB08@4-8'	Total/NA	Solid	SHAKE	
885-35531-20 MSD	SB08@4-8'	Total/NA	Solid	SHAKE	

Analysis Batch: 36793

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-35531-11	SB04@12-16'	Total/NA	Solid	8015M/D	36792
885-35531-12	SB04@20-24'	Total/NA	Solid	8015M/D	36792
885-35531-13	SB06@0-4'	Total/NA	Solid	8015M/D	36792
885-35531-14	SB06@8-12'	Total/NA	Solid	8015M/D	36792
885-35531-15	SB06@20-24'	Total/NA	Solid	8015M/D	36792
885-35531-16	SB07@12-16'	Total/NA	Solid	8015M/D	36792
885-35531-17	SB07@16-20'	Total/NA	Solid	8015M/D	36792
885-35531-18	SB07@20-24'	Total/NA	Solid	8015M/D	36792
885-35531-19	SB07@24'	Total/NA	Solid	8015M/D	36792
885-35531-20	SB08@4-8'	Total/NA	Solid	8015M/D	36792
885-35531-20 MS	SB08@4-8'	Total/NA	Solid	8015M/D	36792
885-35531-20 MSD	SB08@4-8'	Total/NA	Solid	8015M/D	36792

Analysis Batch: 36796

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-35531-21	SB08@16-20'	Total/NA	Solid	8015M/D	36773
885-35531-22	SB08@20-24'	Total/NA	Solid	8015M/D	36773
885-35531-23	SB05@4-8'	Total/NA	Solid	8015M/D	36773
885-35531-24	SB05@8-12'	Total/NA	Solid	8015M/D	36773
885-35531-25	SB05@20-24'	Total/NA	Solid	8015M/D	36773
MB 885-36773/1-A	Method Blank	Total/NA	Solid	8015M/D	36773
LCS 885-36773/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	36773

Analysis Batch: 36797

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-35531-1	SB01@4-8'	Total/NA	Solid	8015M/D	36792
885-35531-2	SB01@12-16'	Total/NA	Solid	8015M/D	36792
885-35531-3	SB01@20-24'	Total/NA	Solid	8015M/D	36792
885-35531-4	SB02@8-12'	Total/NA	Solid	8015M/D	36792
885-35531-5	SB02@12-16'	Total/NA	Solid	8015M/D	36792
885-35531-6	SB02@20-24'	Total/NA	Solid	8015M/D	36792
885-35531-7	SB03@4-8'	Total/NA	Solid	8015M/D	36792
885-35531-8	SB03@12-16'	Total/NA	Solid	8015M/D	36792
885-35531-9	SB03@20-24'	Total/NA	Solid	8015M/D	36792
885-35531-10	SB04@8-12'	Total/NA	Solid	8015M/D	36792
MB 885-36792/1-A	Method Blank	Total/NA	Solid	8015M/D	36792
LCS 885-36792/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	36792

QC Association Summary

Client: Enterprise Products
Project/Site: Blanco C-7

Job ID: 885-35531-1

HPLC/IC

Prep Batch: 36804

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-35531-1	SB01@4-8'	Total/NA	Solid	300_Prep	
885-35531-2	SB01@12-16'	Total/NA	Solid	300_Prep	
885-35531-3	SB01@20-24'	Total/NA	Solid	300_Prep	
885-35531-4	SB02@8-12'	Total/NA	Solid	300_Prep	
885-35531-5	SB02@12-16'	Total/NA	Solid	300_Prep	
885-35531-6	SB02@20-24'	Total/NA	Solid	300_Prep	
885-35531-7	SB03@4-8'	Total/NA	Solid	300_Prep	
885-35531-8	SB03@12-16'	Total/NA	Solid	300_Prep	
885-35531-9	SB03@20-24'	Total/NA	Solid	300_Prep	
885-35531-10	SB04@8-12'	Total/NA	Solid	300_Prep	
885-35531-11	SB04@12-16'	Total/NA	Solid	300_Prep	
885-35531-12	SB04@20-24'	Total/NA	Solid	300_Prep	
MB 885-36804/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-36804/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

Prep Batch: 36806

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-35531-13	SB06@0-4'	Total/NA	Solid	300_Prep	
885-35531-14	SB06@8-12'	Total/NA	Solid	300_Prep	
885-35531-15	SB06@20-24'	Total/NA	Solid	300_Prep	
885-35531-16	SB07@12-16'	Total/NA	Solid	300_Prep	
885-35531-17	SB07@16-20'	Total/NA	Solid	300_Prep	
885-35531-18	SB07@20-24'	Total/NA	Solid	300_Prep	
885-35531-19	SB07@24'	Total/NA	Solid	300_Prep	
885-35531-20	SB08@4-8'	Total/NA	Solid	300_Prep	
885-35531-21	SB08@16-20'	Total/NA	Solid	300_Prep	
885-35531-22	SB08@20-24'	Total/NA	Solid	300_Prep	
885-35531-23	SB05@4-8'	Total/NA	Solid	300_Prep	
885-35531-24	SB05@8-12'	Total/NA	Solid	300_Prep	
885-35531-25	SB05@20-24'	Total/NA	Solid	300_Prep	
MB 885-36806/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-36806/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	
885-35531-14 MS	SB06@8-12'	Total/NA	Solid	300_Prep	
885-35531-14 MSD	SB06@8-12'	Total/NA	Solid	300_Prep	

Analysis Batch: 36897

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-35531-1	SB01@4-8'	Total/NA	Solid	300.0	36804
885-35531-2	SB01@12-16'	Total/NA	Solid	300.0	36804
885-35531-3	SB01@20-24'	Total/NA	Solid	300.0	36804
885-35531-4	SB02@8-12'	Total/NA	Solid	300.0	36804
885-35531-5	SB02@12-16'	Total/NA	Solid	300.0	36804
885-35531-6	SB02@20-24'	Total/NA	Solid	300.0	36804
885-35531-7	SB03@4-8'	Total/NA	Solid	300.0	36804
885-35531-8	SB03@12-16'	Total/NA	Solid	300.0	36804
885-35531-9	SB03@20-24'	Total/NA	Solid	300.0	36804
885-35531-10	SB04@8-12'	Total/NA	Solid	300.0	36804
885-35531-11	SB04@12-16'	Total/NA	Solid	300.0	36804
885-35531-12	SB04@20-24'	Total/NA	Solid	300.0	36804
885-35531-13	SB06@0-4'	Total/NA	Solid	300.0	36806
885-35531-14	SB06@8-12'	Total/NA	Solid	300.0	36806

QC Association Summary

Client: Enterprise Products
Project/Site: Blanco C-7

Job ID: 885-35531-1

HPLC/IC (Continued)

Analysis Batch: 36897 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-35531-15	SB06@20-24'	Total/NA	Solid	300.0	36806
885-35531-16	SB07@12-16'	Total/NA	Solid	300.0	36806
885-35531-17	SB07@16-20'	Total/NA	Solid	300.0	36806
885-35531-18	SB07@20-24'	Total/NA	Solid	300.0	36806
885-35531-19	SB07@24'	Total/NA	Solid	300.0	36806
885-35531-20	SB08@4-8'	Total/NA	Solid	300.0	36806
885-35531-21	SB08@16-20'	Total/NA	Solid	300.0	36806
885-35531-22	SB08@20-24'	Total/NA	Solid	300.0	36806
885-35531-23	SB05@4-8'	Total/NA	Solid	300.0	36806
885-35531-24	SB05@8-12'	Total/NA	Solid	300.0	36806
885-35531-25	SB05@20-24'	Total/NA	Solid	300.0	36806
MB 885-36804/1-A	Method Blank	Total/NA	Solid	300.0	36804
MB 885-36806/1-A	Method Blank	Total/NA	Solid	300.0	36806
LCS 885-36804/2-A	Lab Control Sample	Total/NA	Solid	300.0	36804
LCS 885-36806/2-A	Lab Control Sample	Total/NA	Solid	300.0	36806
885-35531-14 MS	SB06@8-12'	Total/NA	Solid	300.0	36806
885-35531-14 MSD	SB06@8-12'	Total/NA	Solid	300.0	36806

Lab Chronicle

Client: Enterprise Products
Project/Site: Blanco C-7

Job ID: 885-35531-1

Client Sample ID: SB01@4-8'

Lab Sample ID: 885-35531-1
Date Collected: 10/14/25 10:00
Matrix: Solid
Date Received: 10/15/25 09:31

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			36733	JP	EET ALB	10/15/25 13:13
Total/NA	Analysis	8015M/D		1	36798	RA	EET ALB	10/16/25 14:46
Total/NA	Prep	5030C			36733	JP	EET ALB	10/15/25 13:13
Total/NA	Analysis	8021B		1	36799	RA	EET ALB	10/16/25 14:46
Total/NA	Prep	SHAKE			36792	DR	EET ALB	10/16/25 11:17
Total/NA	Analysis	8015M/D		1	36797	EM	EET ALB	10/16/25 14:38
Total/NA	Prep	300_Prep			36804	JR	EET ALB	10/16/25 13:05
Total/NA	Analysis	300.0		10	36897	JT	EET ALB	10/18/25 16:49

Client Sample ID: SB01@12-16'

Lab Sample ID: 885-35531-2
Date Collected: 10/14/25 10:10
Matrix: Solid
Date Received: 10/15/25 09:31

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			36733	JP	EET ALB	10/15/25 13:13
Total/NA	Analysis	8015M/D		1	36798	RA	EET ALB	10/16/25 15:57
Total/NA	Prep	5030C			36733	JP	EET ALB	10/15/25 13:13
Total/NA	Analysis	8021B		1	36799	RA	EET ALB	10/16/25 15:57
Total/NA	Prep	SHAKE			36792	DR	EET ALB	10/16/25 11:17
Total/NA	Analysis	8015M/D		1	36797	EM	EET ALB	10/16/25 14:50
Total/NA	Prep	300_Prep			36804	JR	EET ALB	10/16/25 13:05
Total/NA	Analysis	300.0		10	36897	JT	EET ALB	10/18/25 17:00

Client Sample ID: SB01@20-24'

Lab Sample ID: 885-35531-3
Date Collected: 10/14/25 10:20
Matrix: Solid
Date Received: 10/15/25 09:31

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			36733	JP	EET ALB	10/15/25 13:13
Total/NA	Analysis	8015M/D		1	36798	RA	EET ALB	10/16/25 17:08
Total/NA	Prep	5030C			36733	JP	EET ALB	10/15/25 13:13
Total/NA	Analysis	8021B		1	36799	RA	EET ALB	10/16/25 17:08
Total/NA	Prep	SHAKE			36792	DR	EET ALB	10/16/25 11:17
Total/NA	Analysis	8015M/D		1	36797	EM	EET ALB	10/16/25 15:01
Total/NA	Prep	300_Prep			36804	JR	EET ALB	10/16/25 13:05
Total/NA	Analysis	300.0		10	36897	JT	EET ALB	10/18/25 17:10

Client Sample ID: SB02@8-12'

Lab Sample ID: 885-35531-4
Date Collected: 10/14/25 10:40
Matrix: Solid
Date Received: 10/15/25 09:31

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			36733	JP	EET ALB	10/15/25 13:13
Total/NA	Analysis	8015M/D		1	36798	RA	EET ALB	10/16/25 17:32

Lab Chronicle

Client: Enterprise Products
Project/Site: Blanco C-7

Job ID: 885-35531-1

Client Sample ID: SB02@8-12'

Lab Sample ID: 885-35531-4
Matrix: Solid
Date Collected: 10/14/25 10:40
Date Received: 10/15/25 09:31

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			36733	JP	EET ALB	10/15/25 13:13
Total/NA	Analysis	8021B		1	36799	RA	EET ALB	10/16/25 17:32
Total/NA	Prep	SHAKE			36792	DR	EET ALB	10/16/25 11:17
Total/NA	Analysis	8015M/D		1	36797	EM	EET ALB	10/16/25 15:13
Total/NA	Prep	300_Prep			36804	JR	EET ALB	10/16/25 13:05
Total/NA	Analysis	300.0		10	36897	JT	EET ALB	10/18/25 17:20

Client Sample ID: SB02@12-16'

Lab Sample ID: 885-35531-5
Matrix: Solid
Date Collected: 10/14/25 10:50
Date Received: 10/15/25 09:31

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			36733	JP	EET ALB	10/15/25 13:13
Total/NA	Analysis	8015M/D		1	36798	RA	EET ALB	10/16/25 17:55
Total/NA	Prep	5030C			36733	JP	EET ALB	10/15/25 13:13
Total/NA	Analysis	8021B		1	36799	RA	EET ALB	10/16/25 17:55
Total/NA	Prep	SHAKE			36792	DR	EET ALB	10/16/25 11:17
Total/NA	Analysis	8015M/D		1	36797	EM	EET ALB	10/16/25 15:24
Total/NA	Prep	300_Prep			36804	JR	EET ALB	10/16/25 13:05
Total/NA	Analysis	300.0		10	36897	JT	EET ALB	10/18/25 17:31

Client Sample ID: SB02@20-24'

Lab Sample ID: 885-35531-6
Matrix: Solid
Date Collected: 10/14/25 11:00
Date Received: 10/15/25 09:31

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			36733	JP	EET ALB	10/15/25 13:13
Total/NA	Analysis	8015M/D		1	36798	RA	EET ALB	10/16/25 18:19
Total/NA	Prep	5030C			36733	JP	EET ALB	10/15/25 13:13
Total/NA	Analysis	8021B		1	36799	RA	EET ALB	10/16/25 18:19
Total/NA	Prep	SHAKE			36792	DR	EET ALB	10/16/25 11:17
Total/NA	Analysis	8015M/D		1	36797	EM	EET ALB	10/16/25 15:35
Total/NA	Prep	300_Prep			36804	JR	EET ALB	10/16/25 13:05
Total/NA	Analysis	300.0		10	36897	JT	EET ALB	10/18/25 17:41

Client Sample ID: SB03@4-8'

Lab Sample ID: 885-35531-7
Matrix: Solid
Date Collected: 10/14/25 11:20
Date Received: 10/15/25 09:31

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			36733	JP	EET ALB	10/15/25 13:13
Total/NA	Analysis	8015M/D		1	36798	RA	EET ALB	10/16/25 18:43
Total/NA	Prep	5030C			36733	JP	EET ALB	10/15/25 13:13
Total/NA	Analysis	8021B		1	36799	RA	EET ALB	10/16/25 18:43

Lab Chronicle

Client: Enterprise Products
Project/Site: Blanco C-7

Job ID: 885-35531-1

Client Sample ID: SB03@4-8'

Lab Sample ID: 885-35531-7
Date Collected: 10/14/25 11:20
Matrix: Solid
Date Received: 10/15/25 09:31

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			36792	DR	EET ALB	10/16/25 11:17
Total/NA	Analysis	8015M/D		1	36797	EM	EET ALB	10/16/25 15:47
Total/NA	Prep	300_Prep			36804	JR	EET ALB	10/16/25 13:05
Total/NA	Analysis	300.0		10	36897	JT	EET ALB	10/18/25 17:51

Client Sample ID: SB03@12-16'

Lab Sample ID: 885-35531-8
Date Collected: 10/14/25 11:30
Matrix: Solid
Date Received: 10/15/25 09:31

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			36733	JP	EET ALB	10/15/25 13:13
Total/NA	Analysis	8015M/D		1	36798	RA	EET ALB	10/16/25 19:06
Total/NA	Prep	5030C			36733	JP	EET ALB	10/15/25 13:13
Total/NA	Analysis	8021B		1	36799	RA	EET ALB	10/16/25 19:06
Total/NA	Prep	SHAKE			36792	DR	EET ALB	10/16/25 11:17
Total/NA	Analysis	8015M/D		1	36797	EM	EET ALB	10/16/25 15:58
Total/NA	Prep	300_Prep			36804	JR	EET ALB	10/16/25 13:05
Total/NA	Analysis	300.0		10	36897	JT	EET ALB	10/18/25 18:02

Client Sample ID: SB03@20-24'

Lab Sample ID: 885-35531-9
Date Collected: 10/14/25 11:40
Matrix: Solid
Date Received: 10/15/25 09:31

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			36733	JP	EET ALB	10/15/25 13:13
Total/NA	Analysis	8015M/D		1	36798	RA	EET ALB	10/16/25 19:30
Total/NA	Prep	5030C			36733	JP	EET ALB	10/15/25 13:13
Total/NA	Analysis	8021B		1	36799	RA	EET ALB	10/16/25 19:30
Total/NA	Prep	SHAKE			36792	DR	EET ALB	10/16/25 11:17
Total/NA	Analysis	8015M/D		1	36797	EM	EET ALB	10/16/25 16:10
Total/NA	Prep	300_Prep			36804	JR	EET ALB	10/16/25 13:05
Total/NA	Analysis	300.0		10	36897	JT	EET ALB	10/18/25 18:12

Client Sample ID: SB04@8-12'

Lab Sample ID: 885-35531-10
Date Collected: 10/14/25 12:00
Matrix: Solid
Date Received: 10/15/25 09:31

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			36733	JP	EET ALB	10/15/25 13:13
Total/NA	Analysis	8015M/D		1	36798	RA	EET ALB	10/16/25 19:54
Total/NA	Prep	5030C			36733	JP	EET ALB	10/15/25 13:13
Total/NA	Analysis	8021B		1	36799	RA	EET ALB	10/16/25 19:54
Total/NA	Prep	SHAKE			36792	DR	EET ALB	10/16/25 11:17
Total/NA	Analysis	8015M/D		1	36797	EM	EET ALB	10/16/25 16:21

Lab Chronicle

Client: Enterprise Products
Project/Site: Blanco C-7

Job ID: 885-35531-1

Client Sample ID: SB04@8-12'

Lab Sample ID: 885-35531-10
Date Collected: 10/14/25 12:00
Matrix: Solid
Date Received: 10/15/25 09:31

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	300_Prep			36804	JR	EET ALB	10/16/25 13:05
Total/NA	Analysis	300.0		10	36897	JT	EET ALB	10/18/25 18:22

Client Sample ID: SB04@12-16'

Lab Sample ID: 885-35531-11
Date Collected: 10/14/25 12:10
Matrix: Solid
Date Received: 10/15/25 09:31

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			36733	JP	EET ALB	10/15/25 13:13
Total/NA	Analysis	8015M/D		1	36798	RA	EET ALB	10/16/25 21:06
Total/NA	Prep	5030C			36733	JP	EET ALB	10/15/25 13:13
Total/NA	Analysis	8021B		1	36799	RA	EET ALB	10/16/25 21:06
Total/NA	Prep	SHAKE			36792	DR	EET ALB	10/16/25 11:17
Total/NA	Analysis	8015M/D		1	36793	DH	EET ALB	10/16/25 14:19
Total/NA	Prep	300_Prep			36804	JR	EET ALB	10/16/25 13:05
Total/NA	Analysis	300.0		10	36897	JT	EET ALB	10/18/25 18:53

Client Sample ID: SB04@20-24'

Lab Sample ID: 885-35531-12
Date Collected: 10/14/25 12:15
Matrix: Solid
Date Received: 10/15/25 09:31

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			36733	JP	EET ALB	10/15/25 13:13
Total/NA	Analysis	8015M/D		1	36798	RA	EET ALB	10/16/25 21:29
Total/NA	Prep	5030C			36733	JP	EET ALB	10/15/25 13:13
Total/NA	Analysis	8021B		1	36799	RA	EET ALB	10/16/25 21:29
Total/NA	Prep	SHAKE			36792	DR	EET ALB	10/16/25 11:17
Total/NA	Analysis	8015M/D		1	36793	DH	EET ALB	10/16/25 14:31
Total/NA	Prep	300_Prep			36804	JR	EET ALB	10/16/25 13:05
Total/NA	Analysis	300.0		10	36897	JT	EET ALB	10/18/25 19:04

Client Sample ID: SB06@0-4'

Lab Sample ID: 885-35531-13
Date Collected: 10/14/25 12:30
Matrix: Solid
Date Received: 10/15/25 09:31

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			36733	JP	EET ALB	10/15/25 13:13
Total/NA	Analysis	8015M/D		1	36798	RA	EET ALB	10/16/25 21:53
Total/NA	Prep	5030C			36733	JP	EET ALB	10/15/25 13:13
Total/NA	Analysis	8021B		1	36799	RA	EET ALB	10/16/25 21:53
Total/NA	Prep	SHAKE			36792	DR	EET ALB	10/16/25 11:17
Total/NA	Analysis	8015M/D		1	36793	DH	EET ALB	10/16/25 14:43
Total/NA	Prep	300_Prep			36806	JR	EET ALB	10/16/25 14:20
Total/NA	Analysis	300.0		10	36897	JT	EET ALB	10/18/25 23:02

Lab Chronicle

Client: Enterprise Products
Project/Site: Blanco C-7

Job ID: 885-35531-1

Client Sample ID: SB06@8-12'

Lab Sample ID: 885-35531-14
Date Collected: 10/14/25 12:40
Matrix: Solid
Date Received: 10/15/25 09:31

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			36733	JP	EET ALB	10/15/25 13:13
Total/NA	Analysis	8015M/D		1	36798	RA	EET ALB	10/16/25 22:17
Total/NA	Prep	5030C			36733	JP	EET ALB	10/15/25 13:13
Total/NA	Analysis	8021B		1	36799	RA	EET ALB	10/16/25 22:17
Total/NA	Prep	SHAKE			36792	DR	EET ALB	10/16/25 11:17
Total/NA	Analysis	8015M/D		1	36793	DH	EET ALB	10/16/25 14:55
Total/NA	Prep	300_Prep			36806	JR	EET ALB	10/16/25 14:07
Total/NA	Analysis	300.0		10	36897	JT	EET ALB	10/18/25 19:35

Client Sample ID: SB06@20-24'

Lab Sample ID: 885-35531-15
Date Collected: 10/14/25 12:50
Matrix: Solid
Date Received: 10/15/25 09:31

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			36733	JP	EET ALB	10/15/25 13:13
Total/NA	Analysis	8015M/D		1	36798	RA	EET ALB	10/16/25 22:41
Total/NA	Prep	5030C			36733	JP	EET ALB	10/15/25 13:13
Total/NA	Analysis	8021B		1	36799	RA	EET ALB	10/16/25 22:41
Total/NA	Prep	SHAKE			36792	DR	EET ALB	10/16/25 11:17
Total/NA	Analysis	8015M/D		1	36793	DH	EET ALB	10/16/25 15:07
Total/NA	Prep	300_Prep			36806	JR	EET ALB	10/16/25 14:07
Total/NA	Analysis	300.0		10	36897	JT	EET ALB	10/18/25 20:06

Client Sample ID: SB07@12-16'

Lab Sample ID: 885-35531-16
Date Collected: 10/14/25 13:10
Matrix: Solid
Date Received: 10/15/25 09:31

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			36733	JP	EET ALB	10/15/25 13:13
Total/NA	Analysis	8015M/D		1	36798	RA	EET ALB	10/16/25 23:05
Total/NA	Prep	5030C			36733	JP	EET ALB	10/15/25 13:13
Total/NA	Analysis	8021B		1	36799	RA	EET ALB	10/16/25 23:05
Total/NA	Prep	SHAKE			36792	DR	EET ALB	10/16/25 11:17
Total/NA	Analysis	8015M/D		1	36793	DH	EET ALB	10/16/25 15:19
Total/NA	Prep	300_Prep			36806	JR	EET ALB	10/16/25 14:07
Total/NA	Analysis	300.0		10	36897	JT	EET ALB	10/18/25 20:58

Client Sample ID: SB07@16-20'

Lab Sample ID: 885-35531-17
Date Collected: 10/14/25 13:20
Matrix: Solid
Date Received: 10/15/25 09:31

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			36733	JP	EET ALB	10/15/25 13:13
Total/NA	Analysis	8015M/D		1	36798	RA	EET ALB	10/16/25 23:29

Lab Chronicle

Client: Enterprise Products
Project/Site: Blanco C-7

Job ID: 885-35531-1

Client Sample ID: SB07@16-20'
Lab Sample ID: 885-35531-17
Date Collected: 10/14/25 13:20
Matrix: Solid
Date Received: 10/15/25 09:31

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			36733	JP	EET ALB	10/15/25 13:13
Total/NA	Analysis	8021B		1	36799	RA	EET ALB	10/16/25 23:29
Total/NA	Prep	SHAKE			36792	DR	EET ALB	10/16/25 11:17
Total/NA	Analysis	8015M/D		1	36793	DH	EET ALB	10/16/25 15:31
Total/NA	Prep	300_Prep			36806	JR	EET ALB	10/16/25 14:07
Total/NA	Analysis	300.0		10	36897	JT	EET ALB	10/18/25 21:08

Client Sample ID: SB07@20-24'
Lab Sample ID: 885-35531-18
Date Collected: 10/14/25 13:30
Matrix: Solid
Date Received: 10/15/25 09:31

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			36733	JP	EET ALB	10/15/25 13:13
Total/NA	Analysis	8015M/D		100	36861	VP	EET ALB	10/17/25 13:36
Total/NA	Prep	5030C			36733	JP	EET ALB	10/15/25 13:13
Total/NA	Analysis	8021B		100	36862	VP	EET ALB	10/17/25 13:36
Total/NA	Prep	SHAKE			36792	DR	EET ALB	10/16/25 11:17
Total/NA	Analysis	8015M/D		10	36793	DH	EET ALB	10/16/25 15:43
Total/NA	Prep	300_Prep			36806	JR	EET ALB	10/16/25 14:07
Total/NA	Analysis	300.0		10	36897	JT	EET ALB	10/18/25 21:18

Client Sample ID: SB07@24'
Lab Sample ID: 885-35531-19
Date Collected: 10/14/25 13:35
Matrix: Solid
Date Received: 10/15/25 09:31

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			36733	JP	EET ALB	10/15/25 13:13
Total/NA	Analysis	8015M/D		1	36861	VP	EET ALB	10/17/25 14:00
Total/NA	Prep	5030C			36733	JP	EET ALB	10/15/25 13:13
Total/NA	Analysis	8021B		1	36862	VP	EET ALB	10/17/25 14:00
Total/NA	Prep	SHAKE			36792	DR	EET ALB	10/16/25 11:17
Total/NA	Analysis	8015M/D		1	36793	DH	EET ALB	10/16/25 15:55
Total/NA	Prep	300_Prep			36806	JR	EET ALB	10/16/25 14:07
Total/NA	Analysis	300.0		10	36897	JT	EET ALB	10/18/25 21:29

Client Sample ID: SB08@4-8'
Lab Sample ID: 885-35531-20
Date Collected: 10/14/25 14:00
Matrix: Solid
Date Received: 10/15/25 09:31

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			36733	JP	EET ALB	10/15/25 13:13
Total/NA	Analysis	8015M/D		1	36798	RA	EET ALB	10/17/25 01:04
Total/NA	Prep	5030C			36733	JP	EET ALB	10/15/25 13:13
Total/NA	Analysis	8021B		1	36799	RA	EET ALB	10/17/25 01:04

Lab Chronicle

Client: Enterprise Products
Project/Site: Blanco C-7

Job ID: 885-35531-1

Client Sample ID: SB08@4-8'

Lab Sample ID: 885-35531-20
Date Collected: 10/14/25 14:00
Matrix: Solid
Date Received: 10/15/25 09:31

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			36792	DR	EET ALB	10/16/25 11:17
Total/NA	Analysis	8015M/D		1	36793	DH	EET ALB	10/16/25 16:07
Total/NA	Prep	300_Prep			36806	JR	EET ALB	10/16/25 14:07
Total/NA	Analysis	300.0		10	36897	JT	EET ALB	10/18/25 21:39

Client Sample ID: SB08@16-20'

Lab Sample ID: 885-35531-21
Date Collected: 10/14/25 14:10
Matrix: Solid
Date Received: 10/15/25 09:31

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			36787	VP	EET ALB	10/16/25 10:07
Total/NA	Analysis	8015M/D		1	36861	VP	EET ALB	10/17/25 14:23
Total/NA	Prep	5030C			36787	VP	EET ALB	10/16/25 10:07
Total/NA	Analysis	8021B		1	36862	VP	EET ALB	10/17/25 14:23
Total/NA	Prep	SHAKE			36773	DH	EET ALB	10/16/25 12:50
Total/NA	Analysis	8015M/D		1	36796	DH	EET ALB	10/16/25 14:57
Total/NA	Prep	300_Prep			36806	JR	EET ALB	10/16/25 14:07
Total/NA	Analysis	300.0		10	36897	JT	EET ALB	10/18/25 21:49

Client Sample ID: SB08@20-24'

Lab Sample ID: 885-35531-22
Date Collected: 10/14/25 14:20
Matrix: Solid
Date Received: 10/15/25 09:31

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			36787	VP	EET ALB	10/16/25 10:07
Total/NA	Analysis	8015M/D		1	36861	VP	EET ALB	10/17/25 15:34
Total/NA	Prep	5030C			36787	VP	EET ALB	10/16/25 10:07
Total/NA	Analysis	8021B		1	36862	VP	EET ALB	10/17/25 15:34
Total/NA	Prep	SHAKE			36773	DH	EET ALB	10/16/25 12:50
Total/NA	Analysis	8015M/D		1	36796	DH	EET ALB	10/16/25 15:21
Total/NA	Prep	300_Prep			36806	JR	EET ALB	10/16/25 14:20
Total/NA	Analysis	300.0		10	36897	JT	EET ALB	10/18/25 22:00

Client Sample ID: SB05@4-8'

Lab Sample ID: 885-35531-23
Date Collected: 10/14/25 12:20
Matrix: Solid
Date Received: 10/15/25 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			36787	VP	EET ALB	10/16/25 10:07
Total/NA	Analysis	8015M/D		1	36861	VP	EET ALB	10/17/25 16:45
Total/NA	Prep	5030C			36787	VP	EET ALB	10/16/25 10:07
Total/NA	Analysis	8021B		1	36862	VP	EET ALB	10/17/25 16:45
Total/NA	Prep	SHAKE			36773	DH	EET ALB	10/16/25 12:50
Total/NA	Analysis	8015M/D		1	36796	DH	EET ALB	10/16/25 15:44

Lab Chronicle

Client: Enterprise Products
Project/Site: Blanco C-7

Job ID: 885-35531-1

Client Sample ID: SB05@4-8'

Lab Sample ID: 885-35531-23
Date Collected: 10/14/25 12:20
Matrix: Solid
Date Received: 10/15/25 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	300_Prep			36806	JR	EET ALB	10/16/25 14:20
Total/NA	Analysis	300.0		10	36897	JT	EET ALB	10/18/25 22:10

Client Sample ID: SB05@8-12'

Lab Sample ID: 885-35531-24
Date Collected: 10/14/25 12:25
Matrix: Solid
Date Received: 10/15/25 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			36787	VP	EET ALB	10/16/25 10:07
Total/NA	Analysis	8015M/D		1	36861	VP	EET ALB	10/17/25 17:09
Total/NA	Prep	5030C			36787	VP	EET ALB	10/16/25 10:07
Total/NA	Analysis	8021B		1	36862	VP	EET ALB	10/17/25 17:09
Total/NA	Prep	SHAKE			36773	DH	EET ALB	10/16/25 12:50
Total/NA	Analysis	8015M/D		1	36796	DH	EET ALB	10/16/25 16:08
Total/NA	Prep	300_Prep			36806	JR	EET ALB	10/16/25 14:20
Total/NA	Analysis	300.0		10	36897	JT	EET ALB	10/18/25 22:20

Client Sample ID: SB05@20-24'

Lab Sample ID: 885-35531-25
Date Collected: 10/14/25 12:30
Matrix: Solid
Date Received: 10/15/25 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			36787	VP	EET ALB	10/16/25 10:07
Total/NA	Analysis	8015M/D		1	36861	VP	EET ALB	10/17/25 17:33
Total/NA	Prep	5030C			36787	VP	EET ALB	10/16/25 10:07
Total/NA	Analysis	8021B		1	36862	VP	EET ALB	10/17/25 17:33
Total/NA	Prep	SHAKE			36773	DH	EET ALB	10/16/25 12:50
Total/NA	Analysis	8015M/D		1	36796	DH	EET ALB	10/16/25 16:31
Total/NA	Prep	300_Prep			36806	JR	EET ALB	10/16/25 14:20
Total/NA	Analysis	300.0		10	36897	JT	EET ALB	10/18/25 22:31

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Accreditation/Certification Summary

Client: Enterprise Products
Project/Site: Blanco C-7

Job ID: 885-35531-1

Laboratory: Eurofins Albuquerque

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	NM100001	02-26-26

Released to Imaging: 1/13/2026 10:47:10 AM

Received by OCD: 1/13/2026 10:44:06 AM

Chain-of-Custody Record

Client: Enterprise / Ensolum

Mailing Address: Rio Grande Ave
Ste A Aztec NM

Phone #:

email or Fax#:

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

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☐ Standard ☒ Rush 3-day

Project Name: Blanco C-7

Project #: 05A1226362

Project Manager: Tom Long
Pay key: AM14058
AFE: N79303

Sampler: W. Weichert

On Ice: ☒ Yes ☐ No

# of Coolers: 1 Joe

Cooler Temp (including CF): 1.1+0.2=1.3 (°C)

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

885-35531 COC

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
10/14/25	10:00	Soil	SB01@ 4-8'	4oz glass	None		X	X					X			
	10:10		SB01@ 12-16'													
	10:20		SB01@ 20-24'													
	10:40		SB02@ 8-12'													
	10:50		SB02@ 12-16'													
	11:00		SB02@ 20-24'													
	11:20		SB03@ 4-8'													
	11:30		SB03@ 12-16'													
	11:40		SB03@ 20-24'													
	12:00		SB04@ 8-12'													
	12:10		SB04@ 12-16'													
	12:15		SB04@ 20-24'													

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
10/14	16:10	[signature]	[signature]		10/14/25	16:10
10/14/25	17:30	[signature]	[signature]	courier	10/15/25	7:30

Remarks: CC: tom long (tjlong@eprod.com
Kyle Summers (ksummers@ensolum.com

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Released to Imaging: 1/13/2026 10:47:10 AM

Received by OCD: 1/13/2026 10:44:06 AM

Chain-of-Custody Record

Client: Enterprise / Ensolum

Mailing Address: Rio Grande Ave Ste A Aztec NM

Phone #:

email or Fax#:

QA/QC Package:

☒ Standard ☐ Level 4 (Full Validation)

~~Accreditation:~~ ☐ Az Compliance

☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:

☐ Standard ☒ Rush 3-day

Project Name: Blanco C-7

Project #: 05A1226362

Project Manager: Tom Long

PayKey: AM14058

AFE: N79303

Sampler: W. Weichert

On Ice: ☒ Yes ☐ No

# of Coolers: 1 Joe

Cooler Temp (including CF): 1.1+0.2=1.3 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
10/14/25	12:30	Soil	SB06 @ 0-4'	4oz glass	None		X	X					X			
	12:40		SB06 @ 8-12'													
	12:50		SB06 @ 20-24'													
	13:10		SB07 @ 12-16'													
	13:20		SB07 @ 16-20'													
	13:30		SB07 @ 20-24'													
	13:35		SB07 @ 24'													
	14:00		SB08 @ 4-8'													
	14:10		SB08 @ 16-20'													
	14:20		SB08 @ 20-24'													

Date:	Time:	Relinquished by:	Received by:	Via:	Date Time
10/14	16:10	Wm Weichert	[signature]		10/14/25 1610
10/14/25	1730	[signature]	[signature]	Courier	10/15/25 7:30

Remarks: CC: Tom Long (tjlong@eprod.com Kyle Summers (ksummers@ensolum.com)

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Released to Imaging: 1/13/2026 10:47:10 AM

Received by OCD: 1/13/2026 10:44:06 AM

Chain-of-Custody Record

Client: Enterprise / Ensolum

Mailing Address: Rio Grande Ave
Ste A. Aztec NM

Phone #:

email or Fax#:

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

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☒ EDD (Type) Excel

Turn-Around Time:
☐ Standard ☒ Rush 3-day

Project Name: Blanco C-7

Project #: 05A1226362

Project Manager: Tom Long
Paykey: AM 14058
AFE: N79303

Sampler: W. Weichert

On Ice: ☐ Yes ☐ No

# of Coolers:

Cooler Temp(including CF): (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	See attached
10/14	12:20	Soil	SB05 @ 4-8'	4oz glass	None		X	X					X				
↓	12:25	Soil	SB05 @ 8-12'	↓	↓		↓	↓					↓				
↓	12:30	Soil	SB05 @ 20-24'	↓	↓		↓	↓					↓				

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
10/14	16:10	[signature]				
Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time

Remarks: CC Tom long tjlong@eprod.com
Kyle Summers (KSummers@ensolum.com)

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Login Sample Receipt Checklist

Client: Enterprise Products

Job Number: 885-35531-1

Login Number: 35531
List Number: 1
Creator: Casarrubias, Tracy

List Source: Eurofins Albuquerque

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	Received extra samples not listed on COC.
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

ENSOLUM

APPENDIX H

Soil Boring Logs

BORING LOG SB01

ENSOLUM

PROJECT NAME Blanco C-7
CLIENT Enterprise
LOCATION San Juan County, NM
DRILLING DATE 7/19/2023
DRILLING COMPANY Eathworx
LOGGED BY W.Weichert

DRILLING COMPANY
DRILL RIG Geoprobe
DRILLING METHOD DPT
TOTAL DEPTH 24 feet
DIAMETER 2"

COMMENTS

Depth (feet)	Sample Interval	PID	% Recovery	Samples	Geologic Log Symbol	Material Description	Moisture	Additional Observations
2		0.0 PPM	70%		SP-SM	POORLY GRADED SILTY SAND – tan to light gray brown, Fine to medium, Some Coarse, well sorted, loose & unconsolidated, No odor.	Moist	
4		0.8 PPM	100%	Soil Sample	SP	POORLY GRADED SAND – As above, tan, Fine, Very well graded & homogenous, No odor.	Slightly Moist	
6								
8		0.0 PPM	100%			POORLY GRADED SAND – As above, becoming indurated + hard, Some Caliche, trace Coarse Sand FeO_2 Stain, No odor.		
10								
12		0.0 PPM	100%	Soil Sample				
14					CL	SILTY LEAN CLAY – Brown w/ white specks, Some Caliche, hard & well consolidated.	Dry	
16					SC-CL	CLAYEY SAND to SANDY CLAY – light brown, Very hard & well consolidated. No odor.	Dry	
18		0.0 PPM	100%		SP-CL	INTERBEDDED CLAY + POORLY GRADED SAND – Brown, Fine to Coarse, hard in places, Friable Sand, No odor. TD @ 24' BGS.	Dry	
20		0.0 PPM	100%	Soil Sample				
22								
24								

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BORING LOG SB02

ENSOLUM

PROJECT NAME Blanco C-7 SB02
CLIENT Enterprise
LOCATION San Juan County, NM
DRILLING DATE 10/14/2025
DRILLING COMPANY Earthworx
LOGGED BY W.Weichert

DRILLING COMPANY
DRILL RIG Geoprobe
DRILLING METHOD DPT
TOTAL DEPTH 24 feet
DIAMETER 2"

COMMENTS

Depth (feet)	Sample Interval	PID	% Recovery	Samples	Geological Log Symbol	Material Description	Moisture	Additional Observations
2		0.0 PPM	100%		SP	POORLY GRADED SILTY SAND – Brown to tan, Well sorted, grading to silty sand.	Moist in top foot, dry below.	
4		0.0 PPM	100%		SM	SILTY SAND – tan, Well sorted, Very fine to fine, loose but becoming firm with depth. No odor.	Dry	
6								
8		0.7 PPM	100%	Soil Sample	SP	POORLY GRADED SAND – tan, Fine to coarse interbedded w/ Silty Sand, moderate to well sorted, some caliche, Firm but loose, no odor. Grades to coarse.	Dry	
10								
12		0.0 PPM	100%	Soil Sample				
14					CL	SANDY CLAY – Brown, hard, Caliche rich, medium sand, no odor.	Dry	
16		0.0 PPM	100%		SC	CLAYEY SAND – light brown, Fine to medium w/ some coarse interbeds. Well sorted, hard, no odor.	Dry	
18								
20					CL	CLAY – Brown, hard, moderate plasticity.		
22		0.0 PPM	100%	Soil Sample	SC	CLAYEY SAND – light brown Clay interbedded w/ Sand.TD @ 24 ft BGS		
24								

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BORING LOG SB03

ENSOLUM

PROJECT NAME Blanco C-7 SB03
CLIENT Enterprise
LOCATION San Juan County, NM
DRILLING DATE 10/14/2025
DRILLING COMPANY Earthworx
LOGGED BY W.Weichert

DRILLING COMPANY
DRILL RIG Geoprobe
DRILLING METHOD DPT
TOTAL DEPTH 24 feet
DIAMETER 2"

COMMENTS

Depth (feet)	Sample Interval	PID	% Recovery	Samples	Geological Log Symbol	Material Description	Moisture	Additional Observations
2		0.3 PPM	100%		SP	POORLY GRADED SILTY SAND Brown to tan, Fine w/ some medium, Silty (clayey), well sorted, no odor.	Upper foot moist Dry	
					SM	Grading to silty sand.		
4		2.1 PPM	100%					
6					SP	SILTY SAND – As above, Fine to medium, loose + unconsolidated, no odor.		
8					SP	5–10 ft POORLY GRADED SAND – Tan, little orange FeO_2, Fine to very fine, well sorted, homogeneous, loose + unconsolidated, no odor.	Dry	
		1.0 PPM	100%	Soil Sample				
10								
12		2.5 PPM	100%					
					CL	CLAY- lens SANDY CLAY – Tan to gray, very hard, fissile?		
14								
					SP/SC	CLAYEY SAND – Fine to medium interbedded w/ clay. to poorly graded sand.		
16		0.8 PPM	100%	Soil Sample				
18					SC/CL	INTERBEDDED SAND + CLAY – Tan to gray, moderately sorted, friable sand, hard clay, coarse sand w/ fine & medium, hard, no odor.	Dry	
20		1.1 PPM	100%	Soil Sample				
22								
24								

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BORING LOG SB04

ENSOLUM

PROJECT NAME Blanco C-7 SB04
CLIENT Enterprise
LOCATION San Juan County, NM
DRILLING DATE 10/14/2025
DRILLING COMPANY Earthworx
LOGGED BY W.Weichert

DRILLING COMPANY
DRILL RIG Geoprobe
DRILLING METHOD DPT
TOTAL DEPTH 24 feet
DIAMETER 2"

COMMENTS

Depth (feet)	Sample Interval	PID	% Recovery	Samples	Geological Log Symbol	Material Description	Moisture	Additional Observations
2		0.0 PPM	100%		SP/SM	POORLY GRADED SILTY SAND – Brown to tan, very fine to fine, well sorted, upper foot moist, loose & unconsolidated. No odor.	Upper foot moist	
4		0.0 PPM	100%		SM	SILTY SAND – As above, tan, very fine to fine, well sorted, homogeneous, loose. Dry. Some black specks, no odor.	Dry	
6								
8		0.7 PPM	100%	Soil Sample				
10					SP/SM	SILTY SAND to POORLY GRADED SAND – As above, increasing clay fraction with depth. No odor.	Dry	
12		0.0 PPM	100%	Soil Sample				
14					CL	CLAY – Brown-gray, hard. Caliche.	Dry	
					SP/SC	POORLY GRADED CLAYEY SAND – Brown, fine to coarse with clay interbeds, no odor.	Dry	
16		0.0 PPM	100%					
18					CL/SP	INTERBEDDED CLAY and SAND – Mostly brown clay, very hard, thin interbeds of fine to coarse sand, no odor. TD @ 24 ft BGS	Dry	
20		0.0 PPM	100%	Soil Sample				
22								
24								

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BORING LOG SB05

ENSOLUM

PROJECT NAME Blanco C-7 SB05
CLIENT Enterprise
LOCATION San Juan County, NM
DRILLING DATE 10/14/2025
DRILLING COMPANY Earthworx
LOGGED BY W.Weichert

DRILLING COMPANY
DRILL RIG Geoprobe
DRILLING METHOD DPT
TOTAL DEPTH 24 feet
DIAMETER 2"

COMMENTS

Depth (feet)	Sample Interval	PID	% Recovery	Samples	Geological Log Symbol	Material Description	Moisture	Additional Observations
2		2.0 PPM	100%		SP/SC	POORLY GRADED CLAYEY SAND – Brown to tan with orange & black, fine to coarse, moderately sorted, trace gravel, moist, fines downward, no odor.	Moist	
4		8.1 PPM	100%	Soil Sample	SP/SM	POORLY GRADED SAND – As above, some black staining but no odor.	Moist	
6								
8		4.0 PPM	100%	Soil Sample	SP	POORLY GRADED SAND – Tan, very fine to fine, well sorted, homogeneous, dry, no odor.	Dry	
10								
12		3.4 PPM	100%		CL	Brown w/ orange FeO_2 & white caliche, + black specks. Fine to coarse sand. Very hard, silty sand interbeds.	Dry	
14					SM		Dry	
					CL	SANDY CLAY Brown, very hard, consolidated. No sandy interbeds, dry, no odor.	Dry	
16		1.7 PPM	100%					
18								
20		1.1 PPM	100%	Soil Sample				
22					SP/CL	As above w/ coarse sand interbeds + fine gravel. TD @ 24.4 PGS	Dry	
24								

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Produced by EzLog 2 Software on 21 Oct 2025

BORING LOG SB06

ENSOLUM

PROJECT NAME Blanco C-7 SB06
CLIENT Enterprise
LOCATION San Juan County, NM
DRILLING DATE 10/14/2025
DRILLING COMPANY Earthworx
LOGGED BY W.Weichert

DRILLING COMPANY
DRILL RIG Geoprobe
DRILLING METHOD DPT
TOTAL DEPTH 24 feet
DIAMETER 2"

COMMENTS

Depth (feet)	Sample Interval	PID	% Recovery	Samples	Geological Log Symbol	Material Description	Moisture	Additional Observations
2		11.7 PPM	100%	Soil Sample	SP/SC	POORLY GRADED CLAYEY SAND – POORLY GRADED SAND - Brown to gray tan w/ orange. Fine to coarse, moderate sorting, loose/unconsolidated. No odor.	Moist	
4		4.5 PPM	90%		SP/SM	As above, increased silt, No odor.	Moist	
6								
8		6.2 PPM	100%	Soil Sample	SM	SILTY SAND - Brown to tan. Very fine to fine, trace gravel, well sorted, some caliche, homogenous, no odor.	Dry	
10								
12		4.5 PPM	100%					
					CL	CLAY lens - hard.	Dry	
14					SM	SILTY SAND w/ CLAY interbeds, tan, fine, well sorted, friable.	Dry	
16		4.9 PPM	100%					
18					CL	CLAY - Brown, sandy, caliche rich, hard, well consolidated. Dry, no odor.	Dry	
20		4.0 PPM	100%	Soil Sample				
22					SP	POORLY GRADED SAND - Brown - tan, fine to coarse.	Dry	
24								

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ENSOLUM

BORING LOG SB07

PROJECT NAME Blanco C-7
CLIENT Enterprise
LOCATION San Juan County
DRILLING DATE 10-14-2025
DRILLING COMPANY Earthworx
LOGGED BY W. Wiechert

DRILLING COMPANY Earthworx
DRILL RIG Geoprobe
DRILLING METHOD DPT
TOTAL DEPTH 24'
DIAMETER 2"

COMMENTS

Depth (feet)	Sample Interval	PID	% Recovery	Samples	Geologic Log Symbol	Material Description	Moisture	Additional Observations
2	0-4	1.4ppm	100%		SP	POORLY GRADED SAND- Brown to tan. Fine to coarse. Well sorted, loose + unconsolidated. Dry. No odor.	Surface wet from rain. No moisture below surface.	
4	4-8		100%		SC	As above, increased clay		
6		1.8ppm			SC/SM	Clayey/ Silty Sand- light brown. Fine, little medium, well sorted, loose, unconsolidated. Dry. No odor.	N	
8	8-12		100%					
10		1.9ppm						
12	12-16		100%	Soil sample	SM	SILTY SAND- As above. Backfill material?		
14		2.6ppm						
16	16-20		100%	Soil sample	SM	SILTY SAND- Brown to tan w/ black stain. Fine w/ some medium coarse, trace gravel, loose + unconsolidated stained		
18		456ppm						
20	20-24		100%	Soil sample				
22		1261ppm		Discrete sample= collect bottom 3" of Macrocore as SB07@24'	CL	Stained with *Petro odor. Grades to clay, hard, consolidated. Wet w/ condensate. Strong petro odor.	Y	
24								
26								
28								
30								
32								
34								

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ENSOLUM

BORING LOG SB08

PROJECT NAME Blanco C-7
CLIENT Enterprise
LOCATION San Juan County
DRILLING DATE 10-14-2025
DRILLING COMPANY Earthworx
LOGGED BY W. Wiechert

DRILLING COMPANY Earthworx
DRILL RIG Geoprobe
DRILLING METHOD DPT
TOTAL DEPTH 24'
DIAMETER 2"

COMMENTS

Depth (feet)	Sample Interval	PID	% Recovery	Samples	Geologic Log Symbol	Material Description	Moisture	Additional Observations
2	0-4	12.8ppm	100%		SP/SM	POORLY GRADED SILTY SAND- Brown to tan. Fine with some medium + trace coarse well graded, loose, unconsolidated. Dry No odor.	Surface wet from rain. No moisture below surface.	
4	4-8	17.7ppm	100%	Soil sample	SC	As above, fill?		
6					SP/SM	POORLY GRADED SILTY SAND. As above. Brown to tan. Loose + unconsolidated. No odor. Backfill?		
8	8-12	3.1ppm	100%					
12	12-16	5.4ppm	75%					
14					SP/SM	As above. Backfill?		
16	16-20	2.7ppm	90%	Soil sample	SP/SM	POORLY GRADED SILTY SAND- Brown to tan, fine with some med-coarse + trace gravel. Moderate sorting + unconsolidated. Dry. No odor.		
20	20-24	19.8ppm	90%	Soil sample				
22					SM	SILTY SAND- Brown, loose, unconsolidated, appears to be fill? No odor.		
24								
26								
28								
30								
32								
34								

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ENSOLUM

APPENDIX I

Safety Data Sheets for RegenOx®

SAFETY DATA SHEET

1. Identification

Product identifier	**RegenOx® Part A**
Other means of identification	None.
Recommended use	Soil and Groundwater Remediation.
Recommended restrictions	None known.

Manufacturer/Importer/Supplier/Distributor information

Company Name	REGENESIS
Address	1011 Calle Sombra San Clemente, CA 92673 USA
General information	949-366-8000
E-mail	CustomerService@regenesis.com

Emergency phone number	For Dangerous Goods Incidents ONLY (spill, leak, fire, exposure or accident), call CHEMTREC 24/7 at:
USA, Canada	1-800-424-9300
International	+1 703-741-5970

2. Hazard(s) identification

Physical hazards	Oxidizing solids	Category 2
Health hazards	Acute toxicity, oral	Category 4
	Serious eye damage/eye irritation	Category 1
Environmental hazards	Hazardous to the aquatic environment, acute hazard	Category 2
OSHA defined hazards	Not classified.	

Label elements

Signal word	Danger
Hazard statement	May intensify fire; oxidizer. Harmful if swallowed. Causes serious eye damage. Toxic to aquatic life.
Precautionary statement	
Prevention	Keep away from heat. Keep/Store away from clothing and other combustible materials. Take any precaution to avoid mixing with combustibles. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/eye protection/face protection. Avoid release to the environment.
Response	If swallowed: Call a poison center/doctor if you feel unwell. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor. Rinse mouth. In case of fire: Use appropriate media to extinguish.
Storage	Store away from incompatible materials.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.
Hazard(s) not otherwise classified (HNOC)	None known.
Supplemental information	None.

3. Composition/information on ingredients

Mixtures

Chemical name	CAS number	%
Sodium carbonate peroxyhydrate	15630-89-4	≥95
Silicic acid, sodium salt, sodium silicate	1344-09-8	<1

Composition comments All concentrations are in percent by weight unless otherwise indicated.

4. First-aid measures

Inhalation Move to fresh air. Call a physician if symptoms develop or persist.

Skin contact If on clothing: Rinse immediately contaminated clothing and skin with plenty of water before removing clothes. Wash off with soap and water. Get medical attention if irritation develops and persists.

Eye contact Do not rub eyes. Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.

Ingestion Rinse mouth. Never give anything by mouth to a victim who is unconscious or is having convulsions. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Get medical advice/attention if you feel unwell.

Most important symptoms/effects, acute and delayed Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Dusts may irritate the respiratory tract, skin and eyes.

Indication of immediate medical attention and special treatment needed Provide general supportive measures and treat symptomatically. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

General information Take off all contaminated clothing immediately. Contact with combustible material may cause fire. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before reuse.

5. Fire-fighting measures

Suitable extinguishing media Water spray, fog (flooding amounts).

Unsuitable extinguishing media Dry chemical, CO2, halon. Foam.

Specific hazards arising from the chemical Greatly increases the burning rate of combustible materials. Containers may explode when heated. During fire, gases hazardous to health may be formed. Combustion products may include: carbon oxides, metal oxides.

Special protective equipment and precautions for firefighters Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire fighting equipment/instructions In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk. Use water spray to cool unopened containers.

Specific methods Cool containers exposed to flames with water until well after the fire is out.

General fire hazards May intensify fire; oxidizer. Contact with combustible material may cause fire.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep away from clothing and other combustible materials. Wear appropriate protective equipment and clothing during clean-up. Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Collect dust using a vacuum cleaner equipped with HEPA filter. Keep combustibles (wood, paper, oil, etc.) away from spilled material. Ventilate the contaminated area. This product is miscible in water. Stop the flow of material, if this is without risk. Absorb in vermiculite, dry sand or earth and place into containers.

Large Spills: Sweep up or vacuum up spillage and collect in suitable container for disposal. Shovel the material into waste container. Minimize dust generation and accumulation. Avoid the generation of dusts during clean-up. Prevent product from entering drains. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

Environmental precautions

Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling

Minimize dust generation and accumulation. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Keep away from heat. Provide appropriate exhaust ventilation at places where dust is formed. Keep away from clothing and other combustible materials. Take any precaution to avoid mixing with combustibles. Do not get this material in contact with eyes. Do not taste or swallow. When using, do not eat, drink or smoke. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Keep away from heat. Store in a cool, dry place out of direct sunlight. Store at temperatures not exceeding 40°C/104°F. Store in original tightly closed container. Store in a well-ventilated place. Do not store near combustible materials. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

No exposure limits noted for ingredient(s).

Biological limit values

No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls

Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. If material is ground, cut, or used in any operation which may generate dusts, use appropriate local exhaust ventilation to keep exposures below the recommended exposure limits. Provide eyewash station.

Individual protection measures, such as personal protective equipment

Eye/face protection

Unvented, tight fitting goggles should be worn in dusty areas.

Skin protection

Hand protection

Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier. Frequent change is advisable. Rubber, neoprene or PVC gloves are recommended.

Skin protection

Other

Wear appropriate chemical resistant clothing.

Respiratory protection

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. Recommended use: Wear respirator with dust filter.

Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations

Keep from contact with clothing and other combustible materials. Remove and wash contaminated clothing promptly. Keep away from food and drink. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties

Appearance

Physical state

Solid.

Form

Powder.

Color

White.

Odor

Odorless.

Odor threshold	Not available.
pH	10.5 (3% solution/water)
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.
Flash point	Not available.
Evaporation rate	Not available.
Flammability (solid, gas)	May intensify fire; oxidizer.
Upper/lower flammability or explosive limits	
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	
Solubility (water)	14.5 g/100g water @ 20 ºC (minimum)
Partition coefficient (n-octanol/water)	No data available.
Auto-ignition temperature	Not available.
Decomposition temperature	122 °F (50 °C)
Viscosity	Not available.
Other information	
Bulk density	0.9 - 1.2 g/ml
Explosive properties	Not explosive.
Oxidizing properties	May intensify fire; oxidizer.

10. Stability and reactivity

Reactivity	Greatly increases the burning rate of combustible materials.
Chemical stability	Product may be unstable at temperatures above: 50°C/122°F. Decomposes on heating.
Possibility of hazardous reactions	Reacts slowly with water.
Conditions to avoid	Moisture. Heat. Avoid temperatures exceeding the decomposition temperature. Contact with incompatible materials.
Incompatible materials	Acids. Bases. Salts of heavy metals. Reducing agents. Combustible material. Water.
Hazardous decomposition products	Oxygen. Steam. Heat.

11. Toxicological information

Information on likely routes of exposure

Inhalation	Dust may irritate respiratory system.
Skin contact	Dust or powder may irritate the skin.
Eye contact	Causes serious eye damage.
Ingestion	Harmful if swallowed.
Symptoms related to the physical, chemical and toxicological characteristics	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Dusts may irritate the respiratory tract, skin and eyes.

Information on toxicological effects

Acute toxicity	Harmful if swallowed.

Components	Species	Test Results
Silicic acid, sodium salt, sodium silicate (CAS 1344-09-8)		
Acute		
Oral		
LD50	Mouse	1100 mg/kg
	Rat	1.1 g/kg

Skin corrosion/irritation Prolonged skin contact may cause temporary irritation.

Serious eye damage/eye irritation Causes serious eye damage.

Respiratory or skin sensitization

Respiratory sensitization Not a respiratory sensitizer.

Skin sensitization This product is not expected to cause skin sensitization.

Germ cell mutagenicity No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity Not classifiable as to carcinogenicity to humans.

IARC Monographs. Overall Evaluation of Carcinogenicity

Not listed.

NTP Report on Carcinogens

Not listed.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not listed.

Reproductive toxicity This product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity - single exposure Not classified.

Specific target organ toxicity - repeated exposure Not classified.

Aspiration hazard Not an aspiration hazard.

12. Ecological information

Ecotoxicity Toxic to aquatic life.

Components		Species	Test Results
Silicic acid, sodium salt, sodium silicate (CAS 1344-09-8)			
Aquatic			
Acute			
Crustacea	EC50	Water flea (Ceriodaphnia dubia)	>= 0.28 - <= 0.57 mg/l, 48 hours
Fish	LC50	Western mosquitofish (Gambusia affinis)	1800 mg/l, 96 hours

Persistence and degradability Decomposes in the presence of water. The product contains inorganic compounds which are not biodegradable.

Bioaccumulative potential The product does not contain any substances expected to be bioaccumulating.

Mobility in soil This product is water soluble and may disperse in soil.

Other adverse effects None known.

13. Disposal considerations

Disposal instructions Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

Local disposal regulations Dispose in accordance with all applicable regulations.

Hazardous waste code The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Waste from residues / unused products Dispose in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner.

Contaminated packaging Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport information

DOT

UN number	UN3378
UN proper shipping name	Sodium carbonate peroxyhydrate
Transport hazard class(es)	
Class	5.1
Subsidiary risk	-
Label(s)	5.1
Packing group	III
Environmental hazards	
Marine pollutant	No.
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Special provisions	B120, IB8, IP3, T1, TP33
Packaging exceptions	152
Packaging non bulk	213
Packaging bulk	240

IATA

UN number	UN3378
UN proper shipping name	Sodium carbonate peroxyhydrate
Transport hazard class(es)	
Class	5.1
Subsidiary risk	-
Packing group	III
Environmental hazards	No.
ERG Code	5L
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

IMDG

UN number	UN3378
UN proper shipping name	SODIUM CARBONATE PEROXYHYDRATE
Transport hazard class(es)	
Class	5.1
Subsidiary risk	-
Packing group	III
Environmental hazards	
Marine pollutant	No.
EmS	F-A, S-Q
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

15. Regulatory information

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not listed.

Toxic Substances Control Act (TSCA) All components of the mixture on the TSCA 8(b) inventory are designated “active”.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical Yes

Classified hazard categories	Oxidizer (liquid, solid, or gas) Acute toxicity (any route of exposure) Serious eye damage or eye irritation

SARA 313 (TRI reporting)

Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA)	Not regulated.

US state regulations

US. Massachusetts RTK - Substance List

Not regulated.

US. New Jersey Worker and Community Right-to-Know Act

Not listed.

US. Pennsylvania Worker and Community Right-to-Know Law

Not listed.

US. Rhode Island RTK

Not regulated.

California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins. For more information go to www.P65Warnings.ca.gov.

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Industrial Chemicals (AICIS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

Issue date	26-March-2015
Revision date	15-July-2022
Version #	03
HMIS® ratings	Health: 3 Flammability: 0 Physical hazard: 2 Personal protection: E

NFPA ratings

Disclaimer

Regenesis cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.

SAFETY DATA SHEET

1. Identification

Product identifier RegenOx® Part B

Other means of identification None.

Recommended use Soil and Groundwater Remediation.

Recommended restrictions None known.

Manufacturer/Importer/Supplier/Distributor information

Company Name REGENESIS

Address 1011 Calle Sombra
San Clemente, CA 92673 USA

General information 949-366-8000

E-mail CustomerService@regenesis.com

Emergency phone number For Dangerous Goods Incidents ONLY (spill, leak, fire, exposure or accident), call CHEMTREC 24/7 at:

USA, Canada 1-800-424-9300

International +1 703-741-5970

2. Hazard(s) identification

Physical hazards Not classified.

Health hazards

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2A

OSHA defined hazards Not classified.

Label elements

Signal word Warning

Hazard statement Causes skin irritation. Causes serious eye irritation.

Precautionary statement

Prevention Wash thoroughly after handling. Wear protective gloves/eye protection/face protection.

Response If on skin: Wash with plenty of water. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.

Storage Store away from incompatible materials.

Disposal Dispose of waste and residues in accordance with local authority requirements.

Hazard(s) not otherwise classified (HNOC) None known.

Supplemental information None.

3. Composition/information on ingredients

Mixtures

Chemical name	CAS number	%
Silicic acid, sodium salt, sodium silicate	1344-09-8	25-40
Silicon dioxide (amorphous silica gel)	63231-67-4	<10

Chemical name	CAS number	%
Ferrous sulfate	7720-78-7	2-5

Composition comments All concentrations are in percent by weight unless otherwise indicated.

4. First-aid measures

Inhalation Move to fresh air. Keep victim at rest in a position comfortable for breathing. Call a physician if symptoms develop or persist.

Skin contact Remove contaminated clothing. Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.

Eye contact Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

Ingestion Rinse mouth. Never give anything by mouth to a victim who is unconscious or is having convulsions. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and delayed Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. Spray mist may irritate the respiratory system. Symptoms may include coughing, difficulty breathing and shortness of breath.

Indication of immediate medical attention and special treatment needed Provide general supportive measures and treat symptomatically.

General information Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

5. Fire-fighting measures

Suitable extinguishing media Use fire-extinguishing media appropriate for surrounding materials.

Unsuitable extinguishing media None known.

Specific hazards arising from the chemical During fire, gases hazardous to health may be formed. Combustion products may include: silicon oxides, metal oxides, sulfur oxides.

Special protective equipment and precautions for firefighters Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire fighting equipment/instructions Move containers from fire area if you can do so without risk.

Specific methods Use standard firefighting procedures and consider the hazards of other involved materials.

General fire hazards No unusual fire or explosion hazards noted.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

Environmental precautions Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities Store in original tightly closed container. Store in a cool, dry, well-ventilated place. Maintain storage temperatures between 50°F to 140°F (10°C to 60°C). Store away from incompatible materials (see Section 10 of the SDS). Recommended storage containers: steel or plastic. Do not use containers made of aluminum, fiberglass, copper, brass, zinc or galvanized containers.

8. Exposure controls/personal protection

Occupational exposure limits

US. OSHA Table Z-3 (29 CFR 1910.1000)

Components	Type	Value	Form
Silicon dioxide (amorphous silica gel) (CAS 63231-67-4)	TWA	5 mg/m3	Respirable fraction.
		15 mg/m3	Total dust.
		0.8 mg/m3	
		20 mppcf	

US. ACGIH Threshold Limit Values

Components	Type	Value
Ferrous sulfate (CAS 7720-78-7)	TWA	1 mg/m3

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
Ferrous sulfate (CAS 7720-78-7)	TWA	1 mg/m3
Silicon dioxide (amorphous silica gel) (CAS 63231-67-4)	TWA	6 mg/m3

Biological limit values No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.

Individual protection measures, such as personal protective equipment

Eye/face protection Chemical goggles are recommended. Wear a face shield if there is a risk of splashing.

Skin protection

Hand protection Wear appropriate chemical resistant gloves.

Skin protection

Other Wear appropriate chemical resistant clothing.

Respiratory protection If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. Recommended use: Wear NIOSH approved respirator appropriate for airborne exposure at the point of use.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties

Appearance

Physical state Liquid.

Form Liquid.

Color Green to dark blue.

Odor Odorless.

Odor threshold Not available.

pH 11 (10% solution/water)

Melting point/freezing point Not available.

Initial boiling point and boiling range Not available.

Flash point Not available.

Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	1.2 - 1.4
Solubility(ies)	
Solubility (water)	Miscible.
Partition coefficient (n-octanol/water)	No data available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	< 10,000cP
Other information	
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.

10. Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	Contact with incompatible materials.
Incompatible materials	Hydrogen fluoride. Fluorine. Oxygen difluoride. Chlorine trifluoride. Strong acids. Strong bases. Oxidizers. Aluminum metal. Copper. Brass. Zinc. Galvanized metals.
Hazardous decomposition products	No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure

Inhalation	Prolonged inhalation may be harmful. Spray mists may cause respiratory tract irritation.
Skin contact	Causes skin irritation.
Eye contact	Causes serious eye irritation.
Ingestion	Ingestion may cause irritation and malaise.
Symptoms related to the physical, chemical and toxicological characteristics	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. Spray mist may irritate the respiratory system. Symptoms may include coughing, difficulty breathing and shortness of breath.

Information on toxicological effects

Acute toxicity	Not expected to be acutely toxic.

Components	Species	Test Results
Silicic acid, sodium salt, sodium silicate (CAS 1344-09-8)		
Acute		
Dermal		
LD50	Rat	> 5000 mg/kg, 24 Hours
Inhalation		
Vapor		
LC50	Rat	> 2.06 mg/l, 4 Hours
Oral		
LD50	Rat	2000 - 2500 mg/kg
		3400 mg/kg

Components	Species	Test Results
		3200 mg/kg

Skin corrosion/irritation Causes skin irritation.

Serious eye damage/eye irritation Causes serious eye irritation.

Respiratory or skin sensitization

Respiratory sensitization Not a respiratory sensitizer.

Skin sensitization This product is not expected to cause skin sensitization.

Germ cell mutagenicity No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity Not classifiable as to carcinogenicity to humans.

IARC Monographs. Overall Evaluation of Carcinogenicity

Silicon dioxide (amorphous silica gel) (CAS 63231-67-4) 3 Not classifiable as to carcinogenicity to humans.

NTP Report on Carcinogens

Not listed.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not listed.

Reproductive toxicity This product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity - single exposure Not classified.

Specific target organ toxicity - repeated exposure Not classified.

Silicic acid, sodium salt, sodium silicate (CAS 1344-09-8) > 159 mg/kg
Result: NOAEL
Species: Rat

Aspiration hazard Not an aspiration hazard.

Chronic effects Prolonged inhalation may be harmful.

12. Ecological information

Ecotoxicity The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Components		Species	Test Results
Silicic acid, sodium salt, sodium silicate (CAS 1344-09-8)			
Aquatic			
Acute			
Crustacea	EC50	Daphnia magna	1700 mg/l, 48 hours
Fish	LC50	Danio rerio	1108 mg/l, 96 hours

Persistence and degradability No data is available on the degradability of this product.

Bioaccumulative potential No data available.

Mobility in soil This product is water soluble and may spread in the water system.

Other adverse effects None known.

13. Disposal considerations

Disposal instructions Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.

Local disposal regulations Dispose in accordance with all applicable regulations.

Hazardous waste code The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Waste from residues / unused products Dispose in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport information

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not established.

15. Regulatory information

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Ferrous sulfate (CAS 7720-78-7) Listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not listed.

Toxic Substances Control Act (TSCA) All components of the mixture on the TSCA 8(b) inventory are designated “active”.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical Yes

Classified hazard categories Skin corrosion or irritation
Serious eye damage or eye irritation

SARA 313 (TRI reporting)

Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA) Not regulated.

US state regulations

US. Massachusetts RTK - Substance List

Ferrous sulfate (CAS 7720-78-7)

US. New Jersey Worker and Community Right-to-Know Act

Ferrous sulfate (CAS 7720-78-7)

US. Pennsylvania Worker and Community Right-to-Know Law

Ferrous sulfate (CAS 7720-78-7)

US. Rhode Island RTK

Ferrous sulfate (CAS 7720-78-7)
Silicon dioxide (amorphous silica gel) (CAS 63231-67-4)

California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins. For more information go to www.P65Warnings.ca.gov.

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Industrial Chemicals (AICIS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

Issue date 02-April-2015

Revision date 15-July-2022

Version # 04

HMIS® ratings Health: 2
Flammability: 0
Physical hazard: 0
Personal protection: D

NFPA ratings

Disclaimer Regenesis cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

CONDITIONS

Action 542589

CONDITIONS

Operator: Enterprise Field Services, LLC PO Box 4324 Houston, TX 77210	OGRID: 241602
	Action Number: 542589
	Action Type: [IM-SD] Incident File Support Doc (ENV) (IM-BNF)

CONDITIONS

Created By	Condition	Condition Date
nvelez	None	1/13/2026