

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

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

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

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: Enterprise Field Services, LLC	OGRID: 241602
Contact Name: Thomas Long	Contact Telephone: 505-599-2286
Contact email: tjlong@eprod.com	Incident # (assigned by OCD): nAPP2130647997
Contact mailing address: 614 Reilly Ave, Farmington, NM 87401	

Location of Release Source

Latitude **36.438672** Longitude **-107.418286** (NAD 83 in decimal degrees to 5 decimal places)

Site Name Lateral K-51	Site Type Natural Gas Gathering Pipeline
Date Release Discovered: 11/01/2021	Serial Number (if applicable): N/A

Unit Letter	Section	Township	Range	County
O	36	26N	6W	Rio Arriba

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

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input checked="" type="checkbox"/> Condensate	Volume Released (bbls): 3-5 BBLS	Volume Recovered (bbls): None
<input checked="" type="checkbox"/> Natural Gas	Volume Released (Mcf): 16.11 MCF	Volume Recovered (Mcf): None
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units):	Volume/Weight Recovered (provide units)

Cause of Release On November 1, 2021 at approximately 3:00 p.m., Enterprise had a release of natural gas and natural gas liquids from the Lateral K-51 pipeline. The pipeline was isolated, depressurized, locked and tagged out. No liquids were observed on the ground surface, but liquids were release to the subsurface. The release was located in an ephemeral wash. No residences were affected. No emergency services responded. Remediation and repairs were completed on November 8, 2021. The final excavation dimensions measured approximately 15 feet long by 4 feet wide by six feet deep. Approximately 12 cubic yards of hydrocarbon impacted soil was excavated and transported to a New Mexico Oil Conservation Division (NMOCD) approved land farm. A third party closure report is included with this "Final." C-141.

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: *Each of the following items must be included in the closure report.*

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Thomas Long Title: Senior Environmental Scientist


Signature:  Date: 02-14-2022

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

OCD Only

Received by: _____ Date: _____

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by:  Date: 04/22/2022

Printed Name: Nelson Velez Title: Environmental Specialist – Adv



CLOSURE REPORT

Property:

**Lateral K-51 (11/1/21)
Unit Letter O, S36 T26N R6W
Rio Arriba County, New Mexico**


New Mexico EMNRD OCD Incident ID No. NAPP2130647997

February 2, 2022
Ensolum Project No. 05A1226165

Prepared for:

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

Prepared by:



Landon Daniell
Staff Geologist



Kyle Summers
Senior Project Manager

Closure Report
Enterprise Field Services, LLC
Lateral K-51 (11/1/21)
February 2, 2022



TABLE OF CONTENTS

1.0	INTRODUCTION.....	1
1.1	Site Description & Background.....	1
1.2	Project Objective.....	1
2.0	CLOSURE CRITERIA.....	1
3.0	SOIL REMEDIATION ACTIVITIES.....	3
4.0	SOIL SAMPLING PROGRAM.....	3
5.0	SOIL LABORATORY ANALYTICAL METHODS.....	4
6.0	SOIL DATA EVALUATION.....	4
7.0	RECLAMATION AND REVEGETATION.....	5
8.0	FINDINGS AND RECOMMENDATION.....	5
9.0	STANDARDS OF CARE, LIMITATIONS, AND RELIANCE.....	5
9.1	Standard of Care.....	5
9.2	Limitations.....	5
9.3	Reliance.....	5

LIST OF APPENDICES

Appendix A:	Figures
	Figure 1 Topographic Map
	Figure 2 Site Vicinity Map
	Figure 3 Site Map with Soil Analytical Results
Appendix B:	Siting Figures and Documentation
	Figure A 1.0 Mile Radius Water Well/POD Location Map
	Figure B Cathodic Protection Well Recorded Depth to Water
	Figure C 300 Foot Radius Watercourse and Drainage Identification
	Figure D 300 Foot Radius Occupied Structure Identification
	Figure E Water Well and Natural Spring Location
	Figure F Wetlands
	Figure G Mines, Mills, and Quarries
	Figure H 100-Year Flood Plain Map
Appendix C:	Executed C-138 Solid Waste Acceptance Form
Appendix D:	Photographic Documentation
Appendix E:	Regulatory Correspondence
Appendix F:	Table 1 - Soil Analytical Summary
Appendix G:	Laboratory Data Sheets & Chain of Custody Documentation

Closure Report
Enterprise Field Services, LLC
Lateral K-51 (11/1/21)
February 2, 2022



1.0 INTRODUCTION

1.1 Site Description & Background

Operator:	Enterprise Field Services, LLC / Enterprise Products Operating LLC (Enterprise)
Site Name:	Lateral K-51 (11/1/21) (Site)
Incident ID	NAPP2130647997
Location:	36.438672° North, 107.418286° West Unit Letter O, Section 36, Township 26 North, Range 6 West Rio Arriba County, New Mexico
Property:	New Mexico State Land
Regulatory:	New Mexico (NM) Energy, Minerals and Natural Resources Department (EMNRD) Oil Conservation Division (OCD)

On November 1, 2021, Enterprise discovered a release on the Lateral K-51 pipeline. The pipeline was subsequently isolated and locked out of service by Enterprise. On November 8, 2021, Enterprise initiated activities to repair the pipeline and remediate the petroleum hydrocarbon impact.

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

1.2 Project Objective

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

2.0 CLOSURE CRITERIA

The Site is subject to regulatory oversight by the NM EMNRD OCD. To address activities related to oil and gas releases, the NM EMNRD OCD references NM Administrative Code (NMAC) 19.15.29 *Releases*, which establishes investigation and abatement action requirements for oil and gas release sites that are subject to reporting and/or corrective action. Ensolum, LLC (Ensolum) utilized information provided by Enterprise, the general site characteristics, and information available from the NM Office of the State Engineer (OSE) and the NM EMNRD OCD imaging database to determine the appropriate closure criteria for the Site. Supporting figures and documentation associated with the following bullets are provided in **Appendix B**.

- The 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 (or adjacent) Public Land Survey System (PLSS) sections as the Site (**Figure A, Appendix B**). One existing groundwater monitoring well that is associated with the Enterprise Lateral K-51 (2010) release site is located approximately 1.6 miles northwest of the Site. Based on groundwater data from that well, the depth to water at the Lateral K-51 (2010) site is approximately 8 feet below grade surface (bgs) (2020 *Groundwater Monitoring Report*, Ensolum, March 19, 2021).
- One cathodic protection well (CPW) was identified in the NM EMNRD OCD imaging database within the same PLSS section as the Site, and 11 CPWs were identified in adjacent PLSS sections. Of the 12 total CPW locations, 7 are located within approximately one mile of the Site (**Figure B**,

Appendix B). The records for the nearest CPW, located near the Canyon Largo Unit #250, #237, and #90 well locations, indicate a depth to water of 85 feet bgs. This CPW is located approximately 0.49 miles southeast of the site and is approximately 147 feet higher in elevation than the Site. The records for the CPW located near the Klein Mesa #27E, #9, and #14 well locations indicate a depth to water of 200 feet bgs. This CPW is located approximately 0.80 miles west of the site and is approximately 40 feet lower in elevation than the Site. The records for the CPW located near the Johnston A Com G#18M and Carter Mesa Com #1 well locations indicate a depth to water of 100 feet bgs. This CPW is located approximately 0.61 miles northwest of the site and is approximately 180 feet higher in elevation than the Site. The records for the CPW located near the Canyon Largo Unit #239E, #67, and #151 well locations indicate a depth to water of 300 feet bgs. This CPW is located approximately 0.56 miles southwest of the site and is approximately 317 feet higher in elevation than the Site. The records for the CPW located near the Canyon Largo Unit #239 and #224 well locations indicate "water seep" at 80 feet bgs. This CPW is located approximately 0.96 miles southwest of the site and is approximately 364 feet higher in elevation than the Site. The records for the CPW located near the Canyon Largo Unit #294 and #183 well locations indicate a depth to water of 100 feet bgs. This CPW is located approximately 0.91 miles southwest of the site and is approximately 316 feet higher in elevation than the Site. The depth to water for the remaining CPWs ranges from 78 feet bgs to 280 feet bgs.

- The Site is located within 300 feet of a NM EMNRD OCD-defined continuously flowing watercourse or significant watercourse. An unnamed ephemeral wash is adjacent to the release area and Tapicito Creek is located approximately 390 feet north of the Site (**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 fresh water 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 fresh water 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 located within 300 feet of a wetland. The Site is located approximately 120 feet south of a forested/shrub riparian area (**Figure F, Appendix B**).
- Based on information identified in the NM Mining and Minerals Division's Geographic Information System (GIS) Maps and Mine Data database, the Site is not located within an area overlying a subsurface mine (**Figure G, Appendix B**).
- The Site is not located within an unstable area.
- Based on information provided by the Federal Emergency Management Agency (FEMA) National Flood Hazard Layer (NFHL) geospatial database the location of the Site is located within a 100-year floodplain (**Figure H, Appendix B**).

Closure Report
Enterprise Field Services, LLC
Lateral K-51 (11/1/21)
February 2, 2022



Based on available information, the applicable closure criteria for soils remaining in place at the Site include:

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

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

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

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

3.0 SOIL REMEDIATION ACTIVITIES

On November 8, 2021, Enterprise initiated activities to repair the pipeline and remediate petroleum hydrocarbon impact resulting from the release. During the remediation and corrective action activities, Sierra Oilfield Services, Inc., (Sierra) provided heavy equipment and labor support, while Ensolum provided environmental consulting support.

The final excavation measured approximately 15 feet long and 4 feet wide at the maximum extents. The maximum depth of the excavation measured approximately six feet bgs. The lithology encountered during the completion of remediation activities consisted primarily of unconsolidated silty clay.

Approximately 12 cubic yards of petroleum hydrocarbon affected soil was transported to the Envirotech, Inc. (Envirotech) landfarm near Hilltop, NM for disposal/remediation. The executed C-138 solid waste acceptance form is provided in **Appendix C**. The excavation was backfilled with imported fill and laboratory-confirmed stockpiled soils and was subsequently contoured to the surrounding topography.

Figure 3 is a map that identifies approximate soil sample locations and depicts the approximate dimensions of the excavation with respect to the pipeline (**Appendix A**). Photographic documentation of the field activities is included in **Appendix D**.

4.0 SOIL SAMPLING PROGRAM

Ensolum field screened the soil samples from the excavation utilizing a calibrated Dexsil PetroFLAG[®] hydrocarbon analyzer system and a photoionization detector (PID) fitted with a 10.6 eV lamp to guide excavation extents.

Ensolum's soil sampling program included the collection of five composite soil samples (S-1 through S-5) from the excavation for laboratory analysis. In addition, two composite soil samples (SP-1 and SP-2) were collected from the stockpiled soils to confirm the material was suitable to use as backfill. The composite samples were comprised of five aliquots each and represent an estimated 200 square foot (ft²) sample area (or less) per guidelines outlined in Section D of 19.15.29.12 NMAC. A clean shovel was utilized to obtain fresh aliquots from each area of the excavation. Regulatory correspondence is provided in **Appendix E**.

On November 8, 2021, a sampling event was performed at the Site. The NM EMNRD OCD was notified of the sampling event although no representative was present during sampling activities. Composite soil sample S-1 (5'-6') was collected from the floor of the excavation. Composite soil samples S-2 (0'-5'), S-3 (0'-6'), S-4 (0'-5'), and S-5 (0'-6') were collected from the walls of the excavation. Composite soil samples SP-1 and SP-2 were collected from the stockpiled soils to demonstrate that the soils did not exhibit COC

impact and that they were suitable for use as backfill. Subsequent soil analytical results identified COC concentrations that exceeded the NM EMNRD OCD closure criteria for soil sample SP-2. Soil associated with this sample was removed from the Site and transported to the landfarm for disposal/remediation.

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

5.0 SOIL LABORATORY ANALYTICAL METHODS

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

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

6.0 SOIL DATA EVALUATION

Ensolum compared the benzene, BTEX, TPH, and chloride laboratory analytical results or laboratory practical quantitation limits (PQLs) / reporting limits (RLs) associated with the composite soil samples (S-1 through S-5 and SP-1) to the NM EMNRD OCD Tier I closure criteria. The soil associated with composite sample SP-2 was removed from the Site; therefore, that sample is not included in the following discussion.

- The laboratory analytical results for the composite soil samples indicate benzene is not present at concentrations greater than the laboratory PQLs/RLs, which are less than the Tier I NM EMNRD OCD closure criteria of 10 mg/kg.
- The laboratory analytical result for composite soil sample S-1 indicates a total BTEX concentration of 0.12 mg/kg, which is less than the Tier I NM EMNRD OCD closure criteria of 50 mg/kg. The laboratory analytical results for the remaining composite soil samples indicate total BTEX is not present at concentrations greater than the laboratory PQLs/RLs, which are less than the Tier I NM EMNRD OCD closure criteria of 50 mg/kg.
- The laboratory analytical results for composite soil samples S-1, S-2, and SP-1 indicate combined TPH GRO/DRO/MRO concentrations ranging from 10 mg/kg (S-2) to 20 mg/kg (S-1), which are less than the Tier I NM EMNRD OCD closure criteria of 100 mg/kg. The laboratory analytical results for the remaining composite soil samples indicate combined TPH GRO/DRO/MRO is not present at concentrations greater than the laboratory PQLs/RLs, which are less than the Tier I NM EMNRD OCD closure criteria of 100 mg/kg.
- The laboratory analytical results for the composite soil samples indicate chloride is not present at concentrations greater than the laboratory PQLs/RLs, which are less than the Tier I NM EMNRD OCD closure criteria of 600 mg/kg.

The laboratory analytical results are summarized in **Table 1 (Appendix F)**.

7.0 RECLAMATION AND REVEGETATION

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

8.0 FINDINGS AND RECOMMENDATION

- Seven composite soil samples were collected from the Site. Based on laboratory analytical results, no benzene, BTEX, chloride, or combined TPH GRO/DRO/MRO exceedances were identified in the soils remaining at the Site.
- Approximately 12 cubic yards of petroleum hydrocarbon affected soil was transported to the Envirotech landfarm for disposal/remediation. The excavation was backfilled and contoured to the surrounding topography.

Based on field observations and laboratory analytical results, no additional investigation or corrective action appears warranted at this time.

9.0 STANDARDS OF CARE, LIMITATIONS, AND RELIANCE

9.1 Standard of Care

Ensolum's services were performed in accordance with standards customarily provided by a firm rendering the same or similar services in the area during the same time period. Ensolum makes no warranties, express or implied, as to the services performed hereunder. Additionally, Ensolum does not warrant the work of third parties supplying information used in the report (e.g., laboratories, regulatory agencies, or other third parties).

9.2 Limitations

Findings, conclusions, and recommendations resulting from these services are based upon information derived from the on-Site activities and other services performed under this scope of work and it should be noted that this information is subject to change over time. Certain indicators of the presence of hazardous substances, petroleum products, or other constituents may have been latent, inaccessible, unobservable, or not present during these services, and Ensolum cannot represent that the Site contains no hazardous substances, toxic materials, petroleum products, or other latent conditions beyond those identified during the investigation. Environmental conditions at other areas or portions of the Site may vary from those encountered at actual sample locations. Ensolum's findings and recommendation are based solely upon data available to Ensolum at the time of these services.

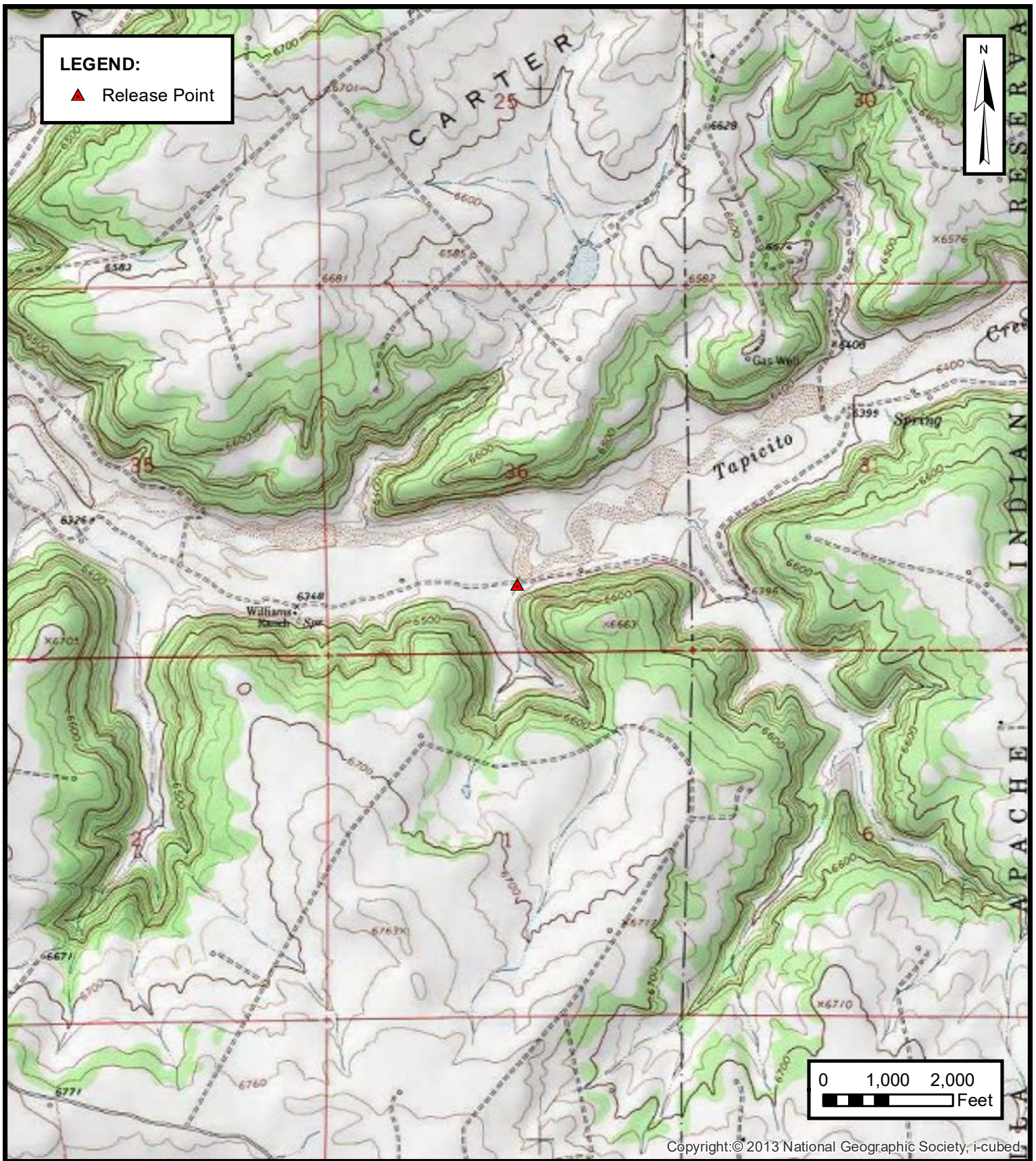
9.3 Reliance

This report has been prepared for the exclusive use of Enterprise, and any authorization for use or reliance by any other party (except a governmental entity having jurisdiction over the Site) is prohibited without the express written authorization of Enterprise and Ensolum. Any unauthorized distribution or reuse is at the client's sole risk. Notwithstanding the foregoing, reliance by authorized parties will be subject to the terms, conditions and limitations stated in the Closure Report, and Ensolum's Master Services Agreement. The limitation of liability defined in the agreement is the aggregate limit of Ensolum's liability to the client.



APPENDIX A

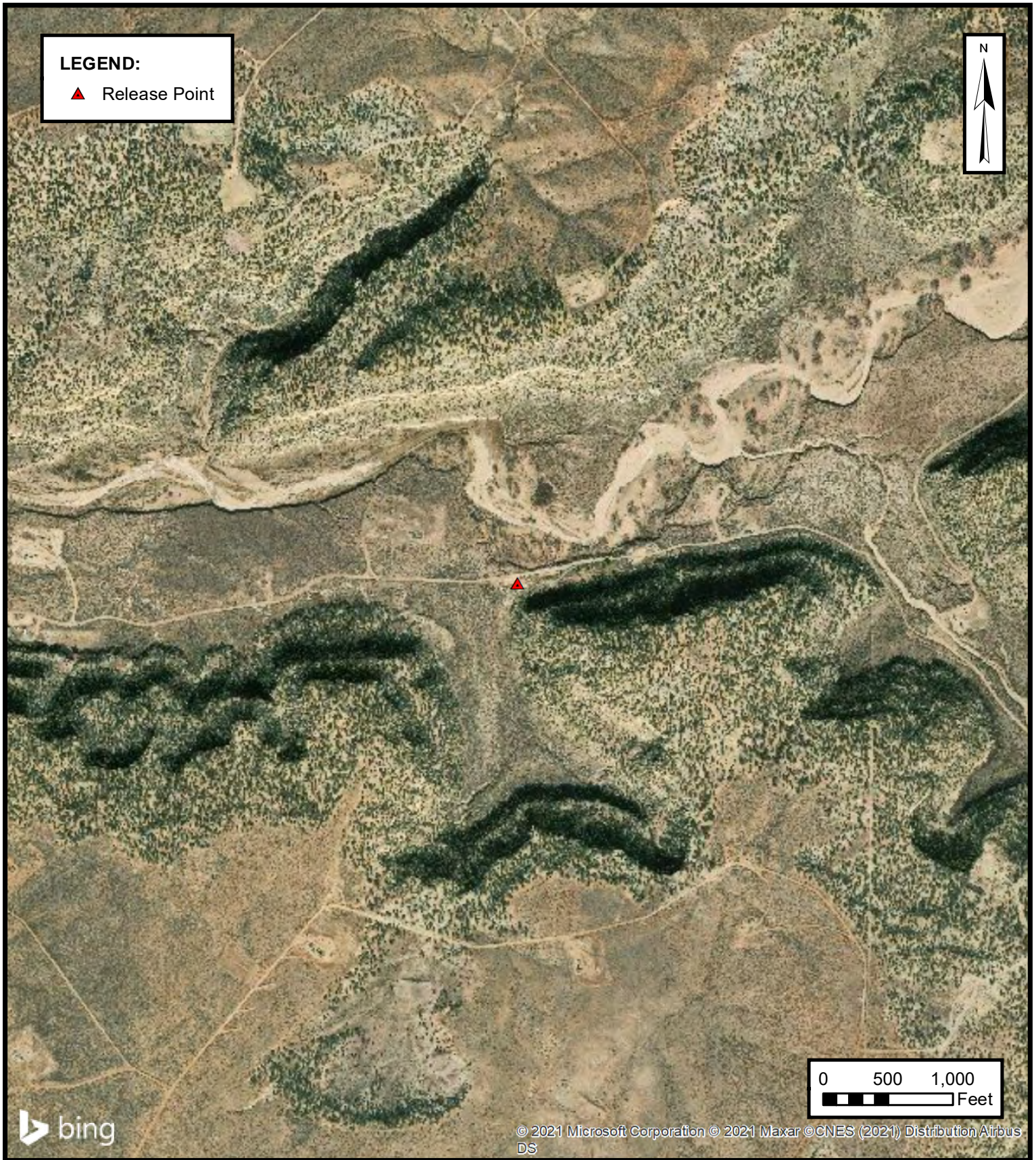
Figures



ENSOLUM
Environmental & Hydrogeologic Consultants

TOPOGRAPHIC MAP
ENTERPRISE FIELD SERVICES, LLC
LATERAL K-51 (11/1/21)
Unit Letter O, Section 36, Township 26 North, Range 6 West
Rio Arriba County, New Mexico
36.438672° N, 107.418286° W
PROJECT NUMBER: 05A1226165

FIGURE
1



SITE VICINITY MAP
ENTERPRISE FIELD SERVICES, LLC
LATERAL K-51 (11/1/21)
Unit Letter O, Section 36, Township 26 North, Range 6 West
Rio Arriba County, New Mexico
36.438672° N, 107.418286° W
PROJECT NUMBER: 05A1226165

FIGURE
2

LEGEND:

- ▲ Release Point
- Composite Soil Sample Location
- Extent of Excavation
- Approximate Location of Lateral K-51 Pipeline



S-2
11/8/2021
W (0'-5')
Benzene...<0.020
Toluene...<0.039
Ethylbenzene...<0.039
Xylenes...<0.078
Total BTEX...ND
TPH GRO...<3.9
TPH DRO...10
TPH MRO...<48
Total Combined TPH
GRO/DRO/MRO...10
Chloride...<60

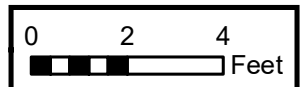
S-3
11/8/2021
W (0'-6')
Benzene...<0.019
Toluene...<0.038
Ethylbenzene...<0.038
Xylenes...<0.076
Total BTEX...ND
TPH GRO...<3.8
TPH DRO...<9.5
TPH MRO...<48
Total Combined TPH
GRO/DRO/MRO...ND
Chloride...<60

S-4
11/8/2021
W (0'-5')
Benzene...<0.020
Toluene...<0.040
Ethylbenzene...<0.040
Xylenes...<0.081
Total BTEX...ND
TPH GRO...<4.0
TPH DRO...<9.7
TPH MRO...<48
Total Combined TPH
GRO/DRO/MRO...ND
Chloride...<60

S-1
11/8/2021
F (5'-6')
Benzene...<0.018
Toluene...0.036
Ethylbenzene...<0.035
Xylenes...0.080
Total BTEX...0.12
TPH GRO...<3.5
TPH DRO...20
TPH MRO...<47
Total Combined TPH
GRO/DRO/MRO...20
Chloride...<60

S-5
11/8/2021
W (0'-6')
Benzene...<0.018
Toluene...<0.037
Ethylbenzene...<0.037
Xylenes...<0.073
Total BTEX...ND
TPH GRO...<3.7
TPH DRO...<10
TPH MRO...<50
Total Combined TPH
GRO/DRO/MRO...ND
Chloride...<60

NOTES:
All concentrations are listed in mg/Kg.
W - Wall Sample
F - Floor Sample
All depths are listed in feet BGS.

**SITE MAP WITH SOIL ANALYTICAL RESULTS**

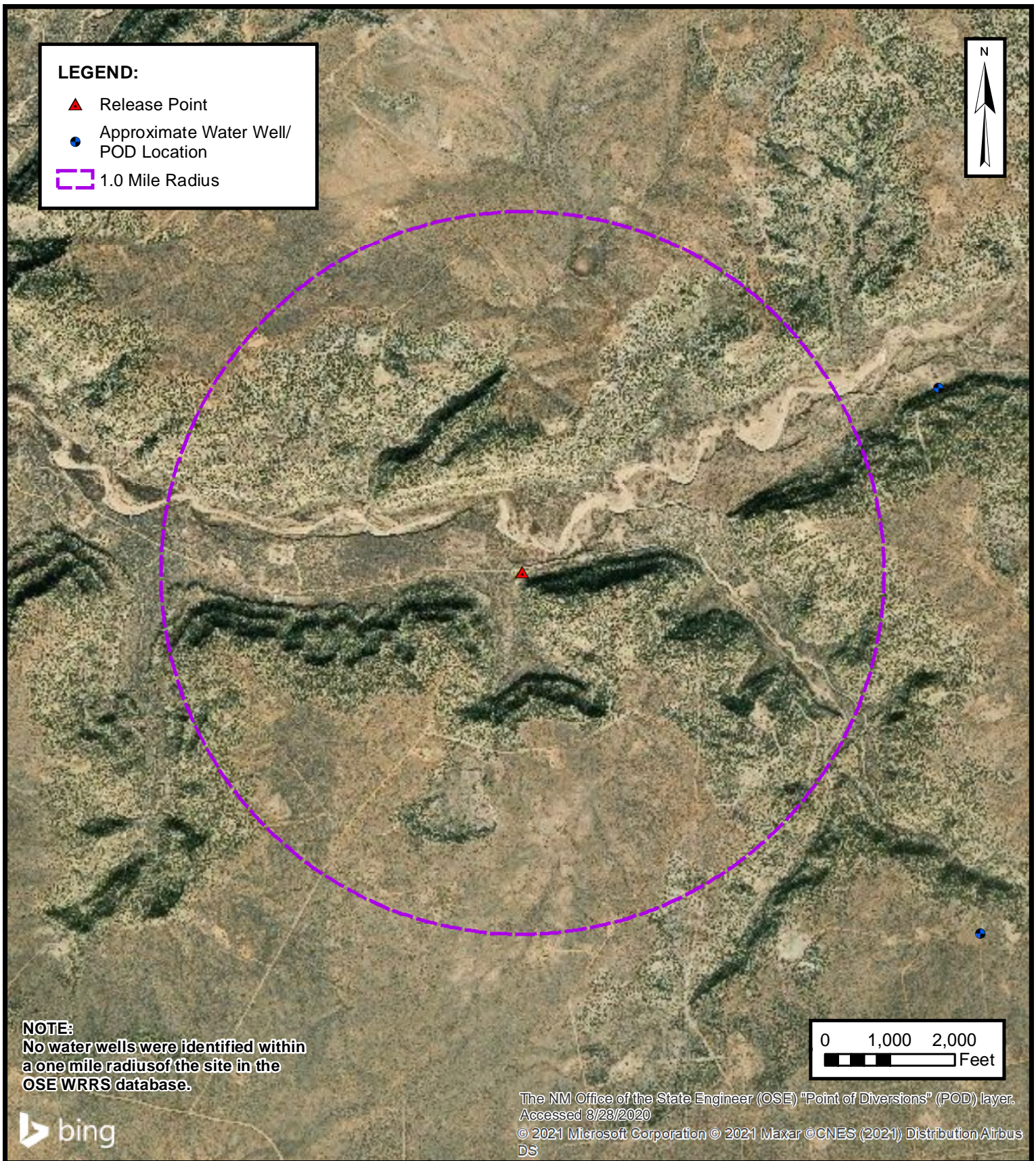
ENTERPRISE FIELD SERVICES, LLC
LATERAL K-51 (11/1/21)
Unit Letter O, Section 36, Township 26 North, Range 6 West
Rio Arriba County, New Mexico
36.438672° N, 107.418286° W
PROJECT NUMBER: 05A1226165

FIGURE
3



APPENDIX B

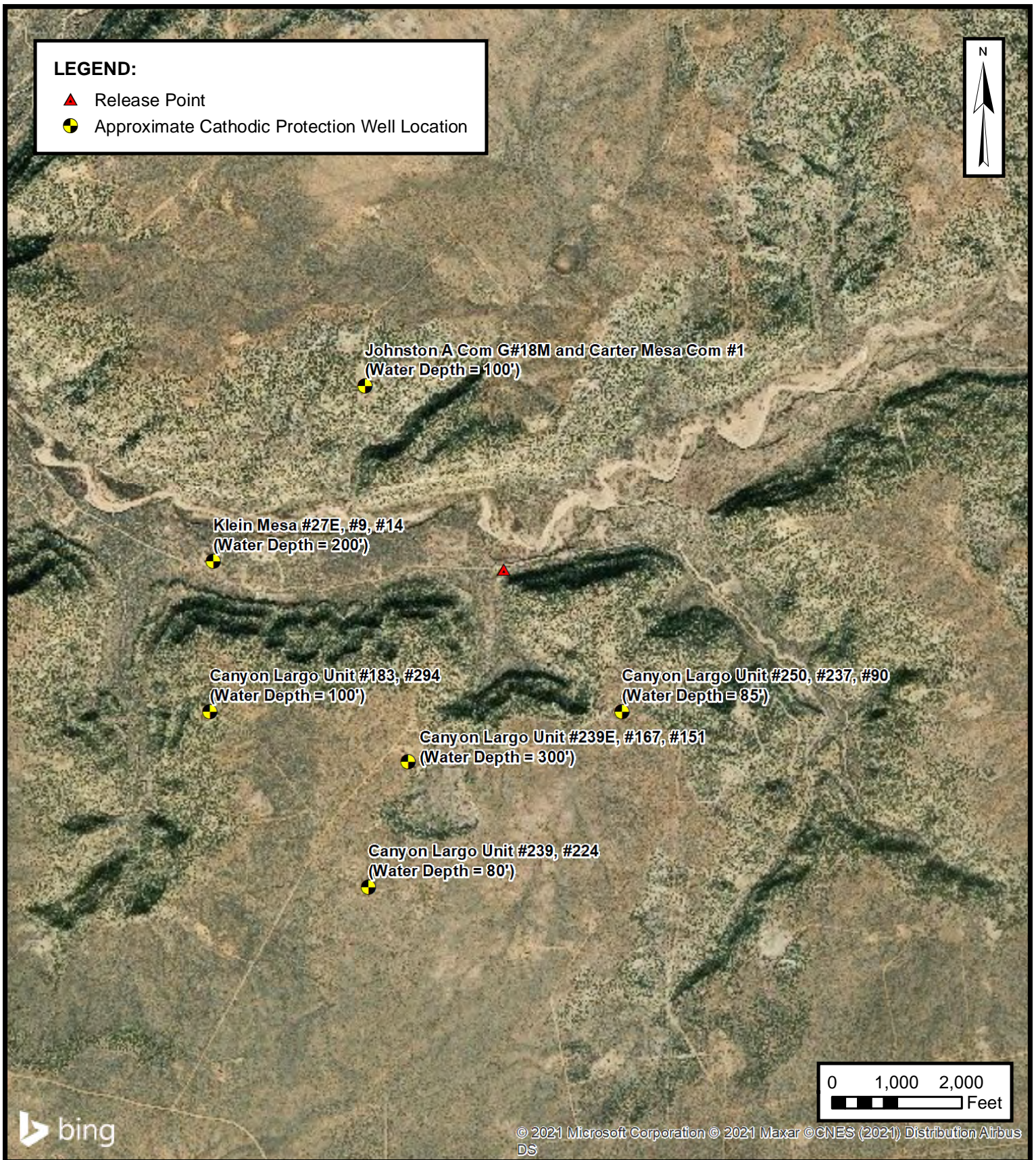
Siting Figures and Documentation



1.0 MILE RADIUS WATER WELL/ POD LOCATION MAP

ENTERPRISE FIELD SERVICES, LLC
 LATERAL K-51 (11/1/21)
 Unit Letter O, Section 36, Township 26 North, Range 6 West
 Rio Arriba County, New Mexico
 36.438672° N, 107.418286° W
 PROJECT NUMBER: 05A1226165

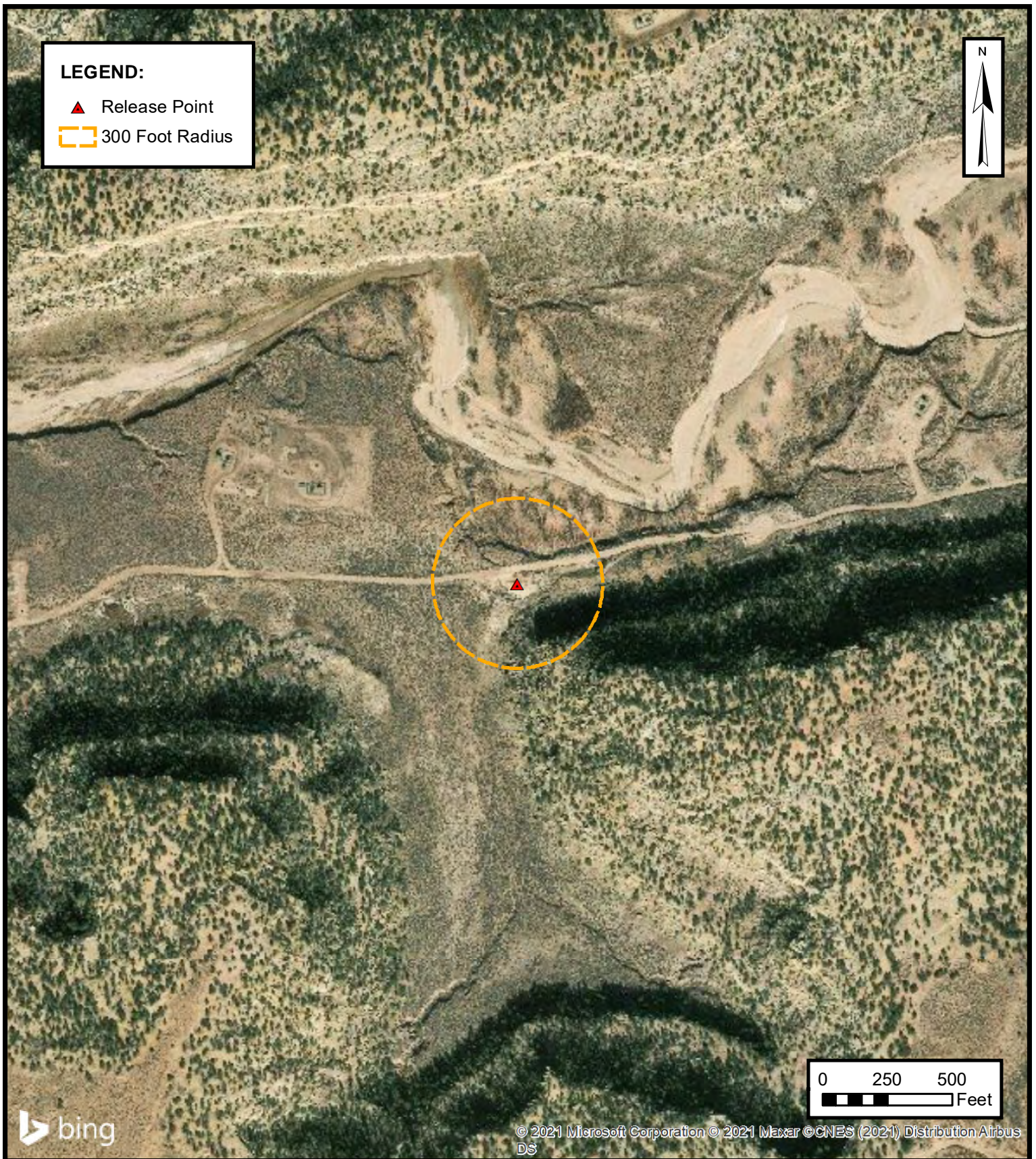
FIGURE
A



**CATHODIC PROTECTION WELL RECORDED
DEPTH TO WATER**

ENTERPRISE FIELD SERVICES, LLC
LATERAL K-51 (11/1/21)
Unit Letter O, Section 36, Township 26 North, Range 6 West
Rio Arriba County, New Mexico
36.438672° N, 107.418286° W
PROJECT NUMBER: 05A1226165

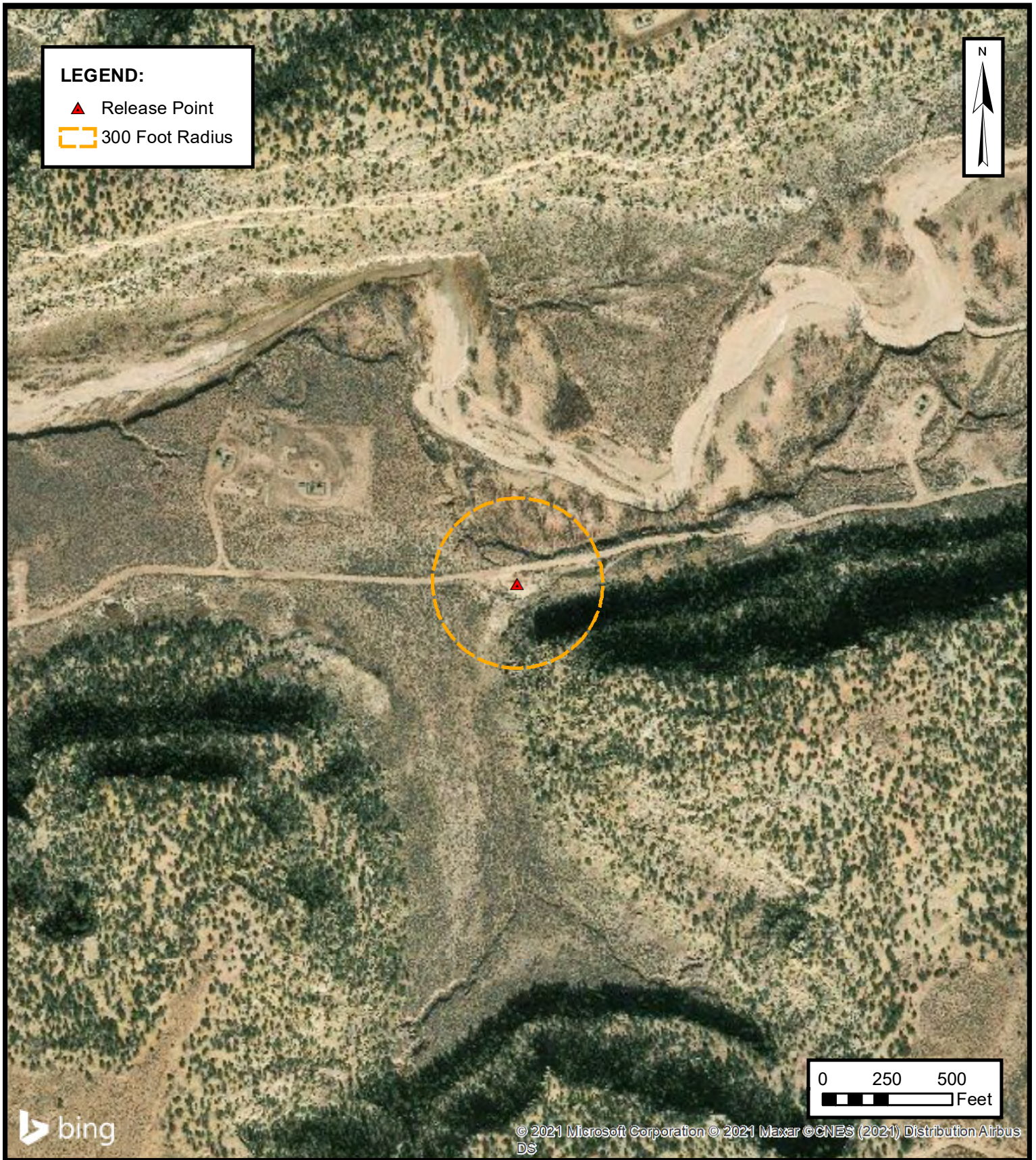
**FIGURE
B**



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**300 FOOT RADIUS
WATERCOURSE AND DRAINAGE IDENTIFICATION**
ENTERPRISE FIELD SERVICES, LLC
LATERAL K-51 (11/1/21)
Unit Letter O, Section 36, Township 26 North, Range 6 West
Rio Arriba County, New Mexico
36.438672° N, 107.418286° W
PROJECT NUMBER: 05A1226165

**FIGURE
C**

**ENSOLUM**

Environmental & Hydrogeologic Consultants

**300 FOOT RADIUS
OCCUPIED STRUCTURE IDENTIFICATION****ENTERPRISE FIELD SERVICES, LLC****LATERAL K-51 (11/1/21)**

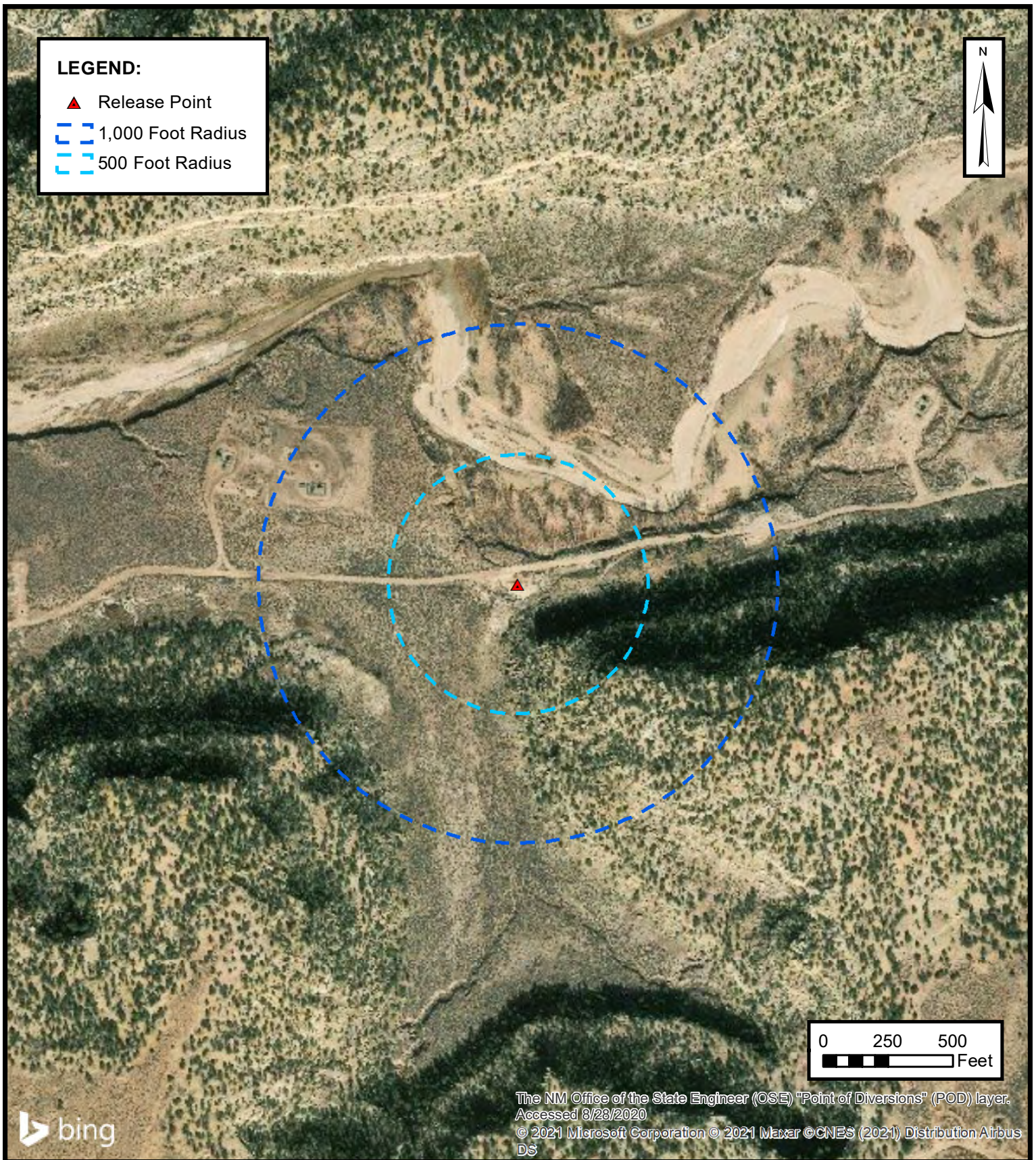
Unit Letter O, Section 36, Township 26 North, Range 6 West

Rio Arriba County, New Mexico

36.438672° N, 107.418286° W

PROJECT NUMBER: 05A1226165

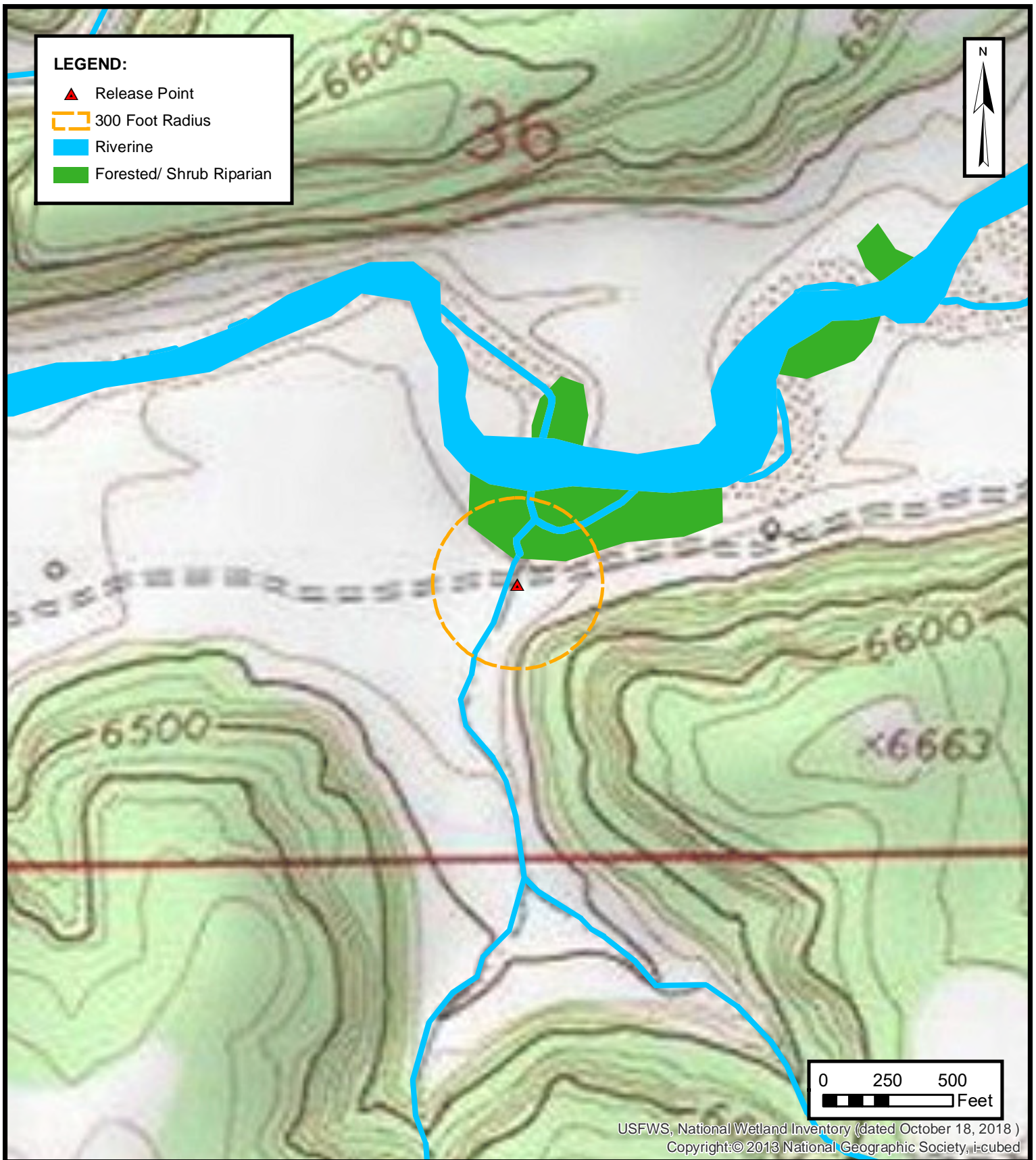
FIGURE**D**



WATER WELL AND NATURAL SPRING LOCATION

ENTERPRISE FIELD SERVICES, LLC
 LATERAL K-51 (11/1/21)
 Unit Letter O, Section 36, Township 26 North, Range 6 West
 Rio Arriba County, New Mexico
 36.438672° N, 107.418286° W
 PROJECT NUMBER: 05A1226165

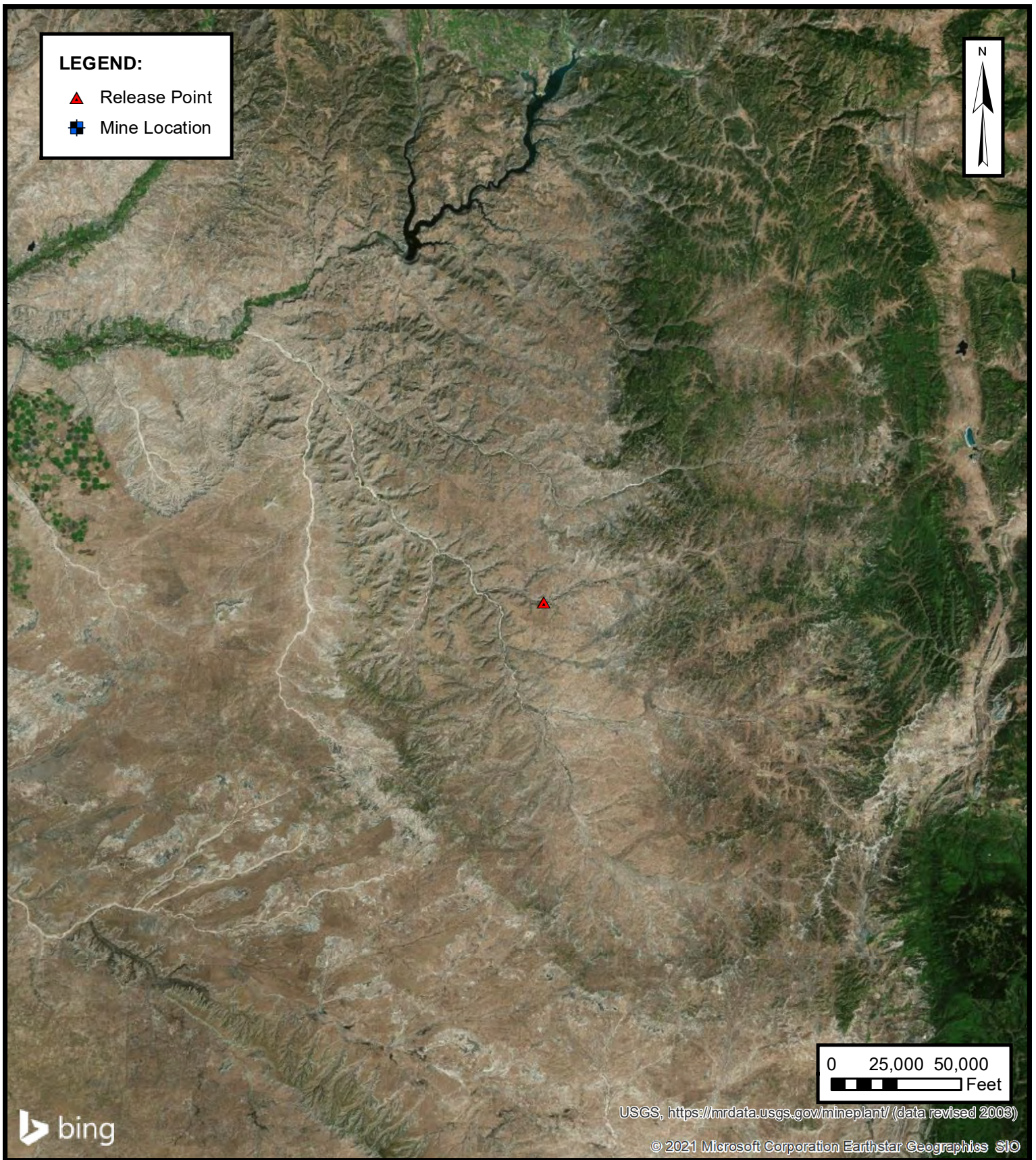
FIGURE
E

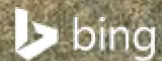
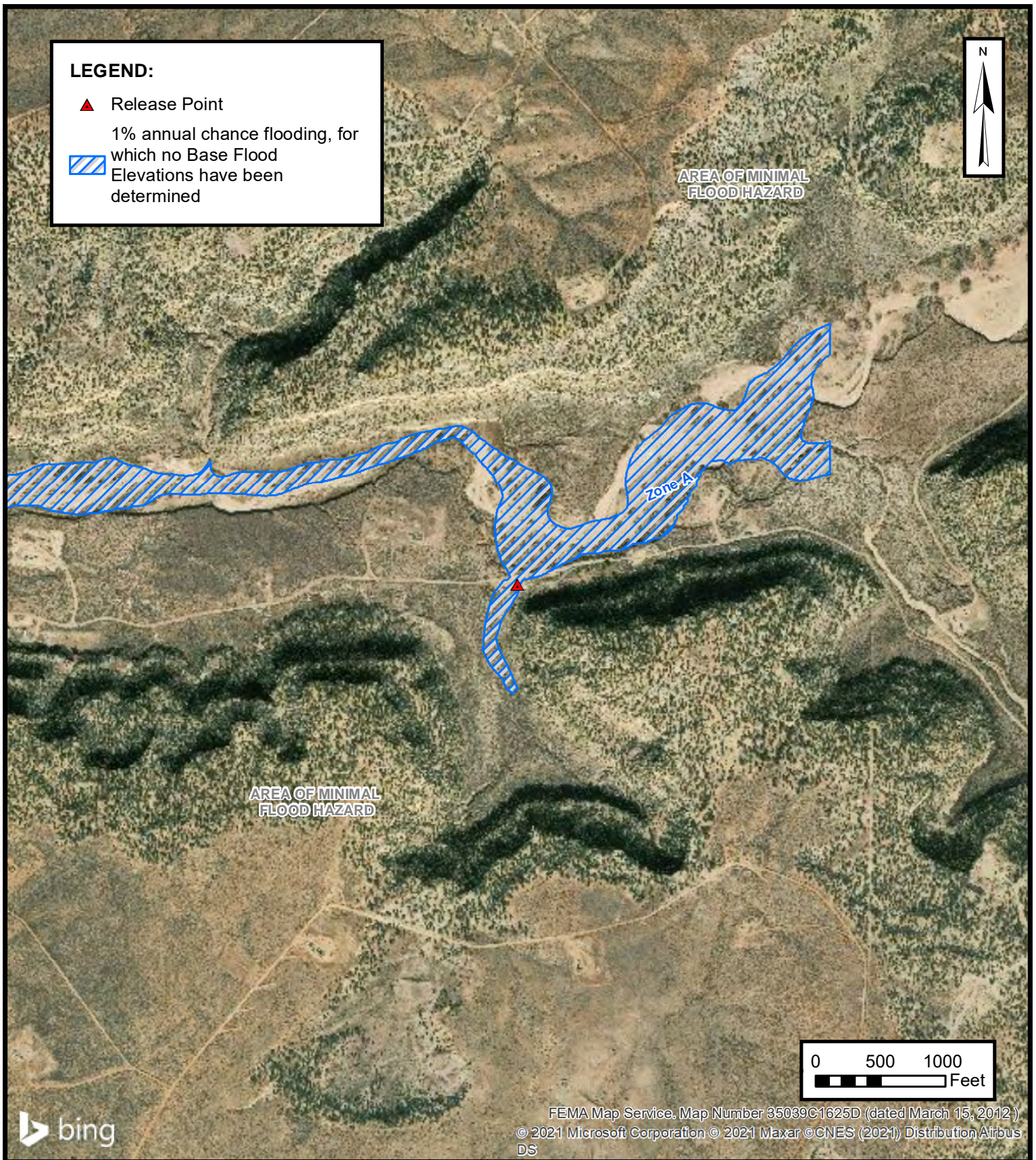


WETLANDS

ENTERPRISE FIELD SERVICES, LLC
LATERAL K-51 (11/1/21)
Unit Letter O, Section 36, Township 26 North, Range 6 West
Rio Arriba County, New Mexico
36.438672° N, 107.418286° W
PROJECT NUMBER: 05A1226165

FIGURE
F





100-YEAR FLOOD PLAIN MAP

ENTERPRISE FIELD SERVICES, LLC
 LATERAL K-51 (11/1/21)
 Unit Letter O, Section 36, Township 26 North, Range 6 West
 Rio Arriba County, New Mexico
 36.438672° N, 107.418286° W
 PROJECT NUMBER: 05A1226165

FIGURE
H



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

No records found.

PLSS Search:

Section(s): 36, 35, 26, 25 **Township:** 26N **Range:** 06W

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.

11/9/21 1:18 PM

Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

No records found.

PLSS Search:

Section(s): 31, 30

Township: 26N

Range: 05W

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.

11/9/21 1:19 PM

Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER



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

No records found.

PLSS Search:

Section(s): 6

Township: 25N

Range: 05W

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.

11/9/21 1:20 PM

Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER



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

No records found.

PLSS Search:

Section(s): 1, 2

Township: 25N

Range: 06W

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.

11/9/21 1:20 PM

Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER

42-30-039-06265
G17-30-039-20767
F16-30-039-20772

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

Operator Union Oil Company of California Location: Unit Sec. 36 Twp 26N Rng 6W

Name of Well/Wells or Pipeline Serviced Johnston A Comm. A2 PC, G17 DK, F16 CH

Elevation 6576' Completion Date 11-1-89 Total Depth 300' Land Type* S

Casing, Sizes, Types & Depths None

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MAY 14 1990

If Casing is cemented, show amounts & types used None

OIL CON. DIV.
DIST. 3

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

None

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

Fresh, Clear, Salty, Sulphur, Etc. NA

Depths gas encountered: NA

Type & amount of coke breeze used: Carbo 60 2500 lbs

Depths anodes placed: 255' to 295'

Depths vent pipes placed: 295'

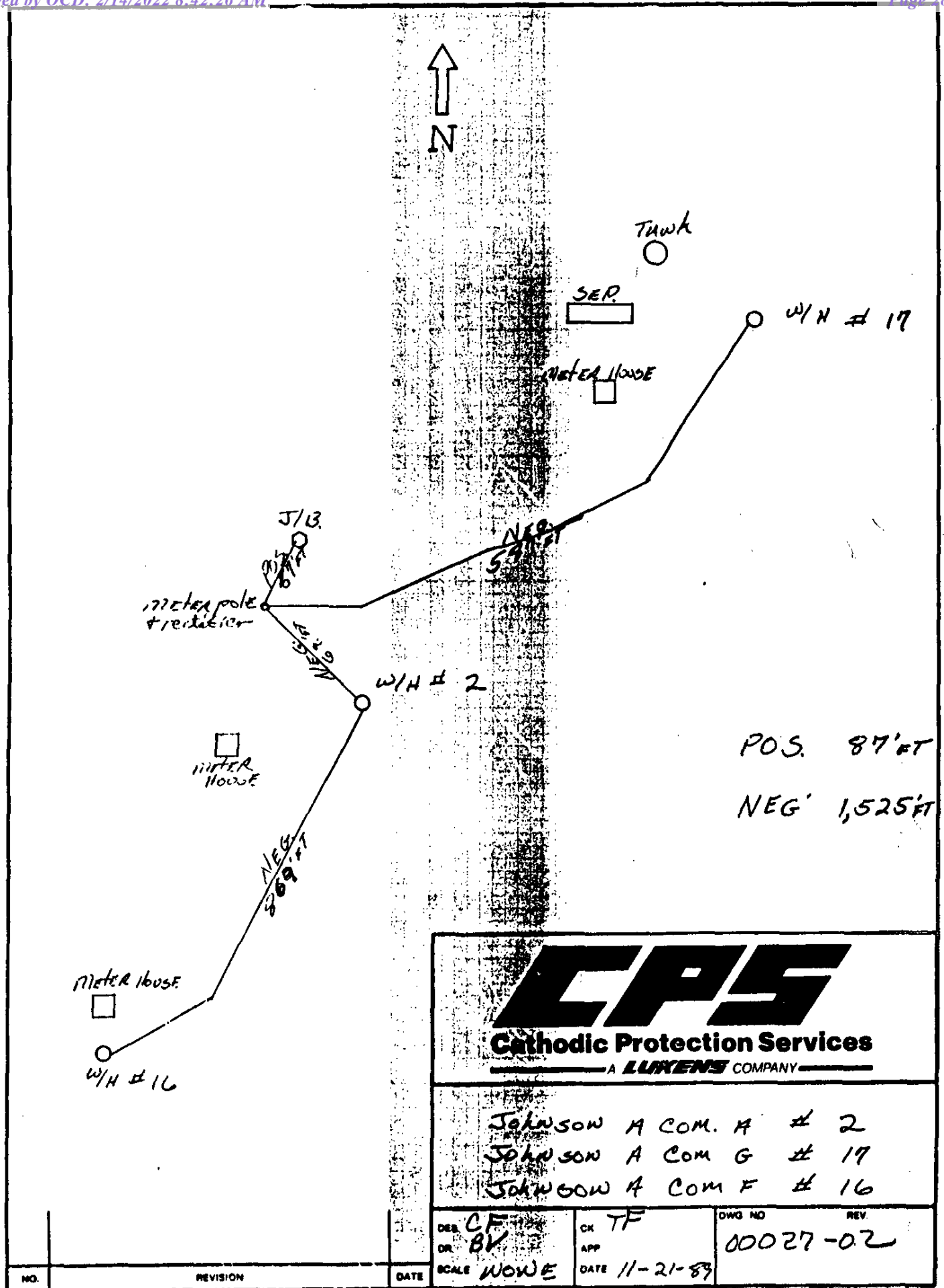
Vent pipe perforations: 250'

Remarks: Unocal was operator at the time this ground bed was installed.

First ground bed installed at this location

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 include

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



COMPANY Unocal JOB No. 751-80027 DATE: 11-1-87
 WELL: BRINSON A COM #2 PIPELINE:
 LOCATION: SEC. 36 TWP. 26N RGE. 6W CO. Rio Arriba STATE NM
 ELEV. _____ FT: ROTARY 200 FT: CABLE TOOL 0 FT: CASING 0
 GROUNDED: DEPTH 300 FT. DIA. 6 IN. GAS 1100 LBS. ANODES LIDA STRIP
36 Anodes

DEPTH FT.	DRILLER'S LOG	EXPLORING ANODE TO STRUCTURE			NO COKE	WITH COKE	ANODE NO.	DEPTH TOP OF ANODE
		E	I	R				
80								
5								
90								
5								
200								
5								
10								
5								
20								
5								
30								
5								
40								
5								
50								
5								
60								
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70								
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100								
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270								
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5								
290								
5								
300								

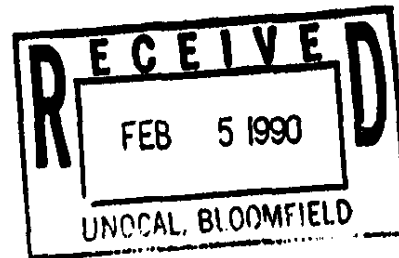
GROUNDED RESISTANCE: (1) VOLTS 12.59 - AMPS 9.1 - 1.38 OHMS

(2) VIBROGROUND _____ OHMS

GENERAL CATHODIC PROTECTION SERVICES CO.

LUKE'S COMPANY

Cathodic Protection Services Company
 P. O. Box 388
 Farmington, New Mexico 87499
 1608 Schofield Lane
 Farmington, New Mexico 87401
 (505) 325-1946



February 2, 1990

Unocal Corporation
 3300 N. Butler, Suite 201
 Farmington, NM 87401

Attention: Mr. Steve Gregory

Subject: Major Water Zones in Cathodic Protection Deep-Well Groundbeds

Dear Mr. Gregory:

Per your recent request for information concerning the cathodic protection deep-well groundbeds for your well casings in the San Juan Basin area, we are pleased to submit the following information.

Township & Range	Depths Ranging From Shallowest to Deepest	Average Depth	Average Thickness of Water Zone
T-25N - R-10W	110' - 140'	122.5'	20'
T-25N - R-11W	60' - 140'	93.3'	45'
T-26N - R-7W	80' - 150'	112.5'	30'
T-27N - R-7W	80' - 200'	123.3'	22.5'
T-27N - R-6W	80' - 200'	131.1'	30'

This data reflects information supplied by the drilling logs acquired at the time the wells were drilled. The depths shown are based on the type of sand which was being extruded from the drilled hole and the dampness of the sand.

The thickness of the water zones are determined by the change in the strata which was being drilled.

It has been a pleasure providing this information to your company. If you have any further questions or desire additional information, please do not hesitate to contact us.

Sincerely,

Cathodic Protection Services Company


 John Kerr, Corrosion Technician

cc: Mike Tabet

CPS
 Cathodic Protection Services
 A LAWRENCE COMPANY

DATE:

6/7/96

#18M = 30-039-25559

#1 = 30-039-20100

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICOOperator Meridian Oil Inc. Location: Unit NW Sec. 36 Twp 26 Rng 06

Name of Well/Wells or Pipeline Serviced

JOHNSTON A COM G #18M AND CARTER MESA COM #1Elevation _____ Completion Date 6/7/96 Total Depth 438' Land Type FCasing Strings, Sizes, Types & Depths 6 1/2 SET 60' OF 8" PVC CASING.NO GAS, WATER, OR BOULDERS WERE ENCOUNTERED DURING CASING.If Casing Strings are cemented, show amounts & types used Cemented
WITH 15 SACKS.If Cement or Bentonite Plugs have been placed, show depths & amounts used
NONEDepths & thickness of water zones with description of water: Fresh, Clear,
Salty, Sulphur, Etc. HIT FRESH WATER AT 100'.Depths gas encountered: NONEGround bed depth with type & amount of coke breeze used: 438' Depth.Used 106 SACKS OF Asbury 218R (5300#)Depths anodes placed: 385', 280', 248', 240', 232', 224', 216', 208', 200', 192', 184', 176', 168', 160', + 152'.Depths vent pipes placed: SURFACE TO 438'.Vent pipe perforations: BOTTOM 300'.

Remarks:

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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.

CPS GROUND BED CONSTRUCTION WORKSHEET

2974-W P/L NAME(S), NUMBER(S) JOHNSTON A Com C*18m And Carter Mesa Com #1
 -2889 TOTAL VOLTS 11.48 AMPS 21.6 - CHMS .531 DATE 6/7/96 NAME JOHN L. Moss
 2116

REMARKS (NOTES FOR CORROSION LOG)

Driller Reported Water At 100'
 Installed 438' of 1" PE Vent Pipe, WITH THE BOTTOM
 300' Perforated. Coke Breeze To 132'

DEPTH	LOG	ANODE	DEPTH	LOG	ANODE	DEPTH	LOG	ANODE	DEPTH	LOG	ANODE	DEPTH	LOG	ANODE
	ANODE			ANODE			ANODE			ANODE			ANODE	
100			295	.6		490			685					
105			300	.5		495			690					
110			305	.5		500			695					
115			310	.5		505			700					
120			315	.7		510								
125			320	.6		515								
130	1.5		325	.5		520								
135	1.4		330	.5		525			1	385	1.0	2.3		
140	1.6		335	.5		530			2	280	1.6	4.1		
145	1.8		340	.4		535			3	248	1.8	5.4		
150	1.7		345	.5		540			4	240	2.0	5.4		
155	1.7		350	.4		545			5	232	1.7	5.4		
160	2.4		355	.4		550			6	224	1.6	5.5		
165	2.4		360	.4		555			7	216	2.2	6.6		
170	2.4		365	.4		560			8	208	2.7	7.5		
175	2.1		370	.4		565			9	200	2.4	6.8		
180	1.6		375	.5		570			10	192	1.3	5.6		
185	1.8		380	.6		575			11	184	1.7	5.8		
190	1.3		385	1.5		580			12	176	2.2	6.4		
195	1.5		390	.9		585			13	168	2.1	6.8		
200	2.3		395	.4		590			14	160	2.5	6.6		
205	2.6		400	1.4		595			15	152	1.7	5.5		
210	2.7		405	.5		600			16					
215	2.4		410	.4		605			17					
220	1.9		415	.6		610			18					
225	1.5		420	.4		615			19					
230	1.7		425	.4		620			20					
235	1.6		430	.6		625			21					
240	1.5		435	T.D.	438	630			22					
245	1.9		440			635			23					
250	1.3		445			640			24					
255	.7		450			645			25					
260	.6		455			650			26					
265	.8		460			655			27					
270	.7		465			660			28					
275	.6		470			665			29					
280	1.6	2	475			670			30					
285	1.1		480			675								
290	.7		485			680								

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Released to Imaging: 4/22/2022 8:11:05 AM - Division Correction Supervisor

039-23772
9. 30-039-82353
14- 30-039-20255
DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICO

3705

Operator Meridian Oil Inc. Location: Unit 0 Sec. 35 Twp 26 Rng 06

Name of Well/Wells or Pipeline Serviced _____

Klein Mesa #27E, #9, & #14

Elevation 6335 Completion Date 7-25-93 Total Depth 474' Land Type F

Casing Strings, Sizes, Types & Depths 5/22 Set 177 of 8" PVC Casing

NO GAS, WATER, OR BOULDERS WERE ENCOUNTERED DURING CASING.

If Casing Strings are cemented, show amounts & types used Cemented

WITH 845 SACKS.

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. 200' and was clear

Depths gas encountered: No gas

Ground bed depth with type & amount of coke breeze used: 474' with

118 (5016) sacks of Asbury 218R

Depths anodes placed: #1 is at 460' and #15 is at 225'

Depths vent pipes placed: Bottom to Surface

Vent pipe perforations: Up to 175'

Remarks: _____

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JAN 31 1994

OIL CON. DIV.

DIST. 3

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

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

21-30-039-23843

3869

8-30-039-20151

1-30-039-06323

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICOOperator Meridian Oil Inc Location: Unit G Sec. 26 Twp 26 Rng 06

Name of Well/Wells or Pipeline Serviced _____

VAUGHN #29, #8, AND #1Elevation 6652 Completion Date 6-19-93 Total Depth 458 Land Type PCasing Strings, Sizes, Types & Depths 5/21 Set 59' of 8" PVC Casing.NO GAS, WATER, OR BOULDERS WERE ENCOUNTERED DURING CASING.If Casing Strings are cemented, show amounts & types used CementedWITH 12 SACKS.

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. 280' and was clear.Depths gas encountered: No gasGround bed depth with type & amount of coke breeze used: 458' with
164 (5016) sacks of AsburyDepths anodes placed: #1 is at 395' and #15 is at 311'Depths vent pipes placed: Bottom to SurfaceVent pipe perforations: Up to 180'

Remarks: _____

JAN 31 1994

OIL CON. DIV.

DIST. 3

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

Land Type may be shown: F-Federal; I-Indian; S-State; P-Fee.

If Federal or Indian, add Lease Number.

9- 30-039-10235
7- 30-039-82351

3857

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICOOperator Meridian Oil Inc. Location: Unit M Sec. 26 Twp 26 Rng 06

Name of Well/Wells or Pipeline Serviced _____

VAUGHN #9 AND #7Elevation 6333 Completion Date 6-24-93 Total Depth 476 Land Type FCasing Strings, Sizes, Types & Depths 5/19 SET 59" OF 8" PVC CASING.NO GAS, WATER, OR BOULDERS WERE ENCOUNTERED DURING CASING.If Casing Strings are cemented, show amounts & types used CementedWITH 19 SACKS.

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. 180' and was clearDepths gas encountered: No gasGround bed depth with type & amount of coke breeze used: 476' with164' (5016) sacks of Asbury 218RDepths anodes placed: #1 is at 465' and #15 is at 247'Depths vent pipes placed: Bottom to SurfaceVent pipe perforations: Up to 180'

Remarks: _____

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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.

3858

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

30-039-20367

Operator Meridian Oil Location: Unit K Sec. 26 Twp 26 Rng 6Name of Well/Wells or Pipeline Serviced Vaughn #12Elevation 6634 Completion Date 7-28-93 Total Depth 446 Land Type FCasing Strings, Sizes, Types & Depths 60' of 8" P.U.C. with
18 sacks of cementIf Casing Strings are cemented, show amounts & types used 18 sacksIf Cement or Bentonite Plugs have been placed, show depths & amounts used
no plugsDepths & thickness of water zones with description of water: Fresh, Clear,
Salty, Sulphur, Etc. 200' and was clearDepths gas encountered: no gasGround bed depth with type & amount of coke breeze used: 446' with
138 (5016) sacks of Asbury 218 RDepths anodes placed: #1 is at 325' and #15 is at 195'Depths vent pipes placed: up to 136' Bottom to surfaceVent pipe perforations: 136'

Remarks: _____

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JAN 31 1994

OIL CON. DIV
DIST. 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.

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICOOperator Meridian Oil INC. Location: Unit P Sec. 26 Twp 26 Rng 06

Name of Well/Wells. or Pipeline Serviced _____

VAUGHN #21, #33, #8E, & #6Elevation 6636 Completion Date 6-19-93 Total Depth 439 Land Type PCasing Strings, Sizes, Types & Depths 5/21 Set 59' of 8" PVC CASINGNO GAS, WATER, or Boulders WERE ENCOUNTERED DURING CASING.If Casing Strings are cemented, show amounts & types used CementedWITH 12 SACKS.

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. 220' and was clearDepths gas encountered: NO GAS

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

Depths anodes placed: #1 is at 370 and #15, 3 at 230Depths vent pipes placed: Bottom to SurfaceVent pipe perforations: Up to 150'

Remarks: _____

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JAN 31 1994

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.

237 = 30-039-20792

90 = 30-039-06195

3631

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICOOperator Meridian Oil Inc. Location: Unit H Sec. 1 Twp 25 Rng 06

Name of Well/Wells or Pipeline Serviced _____

CANYON Largo UNITS #250, #237, AND #90Elevation 6522 Completion Date 8/9/93 Total Depth 411' Land Type FCasing Strings, Sizes, Types & Depths 6 1/4 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 12 SACKS.If Cement or Bentonite Plugs have been placed, show depths & amounts used
NONEDepths & thickness of water zones with description of water: Fresh, Clear,
Salty, Sulphur, Etc. HIT A WATER SEEP AT 85' AND MORE AT
280' AND 360'. WATER WAS FRESH, AND A SAMPLE WAS TAKEN.Depths gas encountered: NONEGround bed depth with type & amount of coke breeze used: 411' DEPTH
USED 114 SACKS OF ASBURY 218R (5700#)Depths anodes placed: 343', 336', 330', 295', 287', 280', 259', 253', 245', 239', 233', 228', 223', 139' & 133'Depths vent pipes placed: SURFACE TO 411'Vent pipe perforations: BOTTOM 310'

Remarks: _____

RECEIVED

JAN 31 1994

OIL CON. DIV.
DIST. 3

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

Land Type may be shown: F-Federal; I-Indian; S-State; P-Fee.

If Federal or Indian, add Lease Number.

#151 = 30-039-20271

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICOOperator Meridian Oil Inc. Location: Unit F Sec. 01 Twp 25 Rng 06

Name of Well/Wells. or Pipeline Serviced _____

CANYON Largo Unit #239E, #67 AND #151Elevation _____ Completion Date 2/14/96 Total Depth 485' Land Type FCasing Strings, Sizes, Types & Depths 2 1/3 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 2H SACKS.If Cement or Bentonite Plugs have been placed, show depths & amounts used
NONEDepths & thickness of water zones with description of water: Fresh, Clear,
Salty, Sulphur, Etc. HIT FRESH WATER AT 300'.Depths gas encountered: NONEGround bed depth with type & amount of coke breeze used: 485' Depth.
Used 128 SACKS of Asbury 218R (6400#)Depths anodes placed: 390', 335', 292', 284', 276', 264', 256', 248', 240', 232', 224', 198', 190', 182', + 140'Depths vent pipes placed: SURFACE TO 485'.Vent pipe perforations: BOTTOM 370'.

Remarks: _____

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

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

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

IPSS	2888-W	P/L NAME(S), NUMBER(S)						CANYON LATGO UNITS #239E, #67, AND #151		
-G	1491	TOTAL	VOLTS	AMPS	- OHMS	DATE	NAME			
	1492		11.31	22.9	.49H	2/14/96	JOHN L. MOSS			
REMARKS (ENTER FOR ADDITIONAL COMMENTS)										

Driller Reported Water at 300'.
Installed 485' of 1" PE Vent Pipe, with the Bottom 370'
Perforated. Coke Breeze to 115'.

DEPTH	LOG ANODE	ANGLE °	DEPTH	LOG ANODE	ANGLE °	DEPTH	LOG ANODE	ANGLE °	DEPTH	LOG ANODE	ANGLE °
100			295	.7		490			685		
105			300	.6		495			690		
110			305	.5		500			695		
115			310	.4		505			700		
120			315	.2		510					
125			320	.2		515					
130	1.5		325	.3		520					
135	2.1	-15	330	.2		525			1	390'	1.3
140	1.9		335	1.2	2	530			2	335'	1.1
145	1.3		340	.8		535			3	292'	1.2
150	.8		345	.7		540			4	284'	1.9
155	.9		350	.7		545			5	276'	1.8
160	.4		355	.8		550			6	264'	1.0
165	.4		360	.9		555			7	256'	2.0
170	.6		365	.5		560			8	248'	1.9
175	.5		370	.2		565			9	240'	1.8
180	1.0	14	375	.5		570			10	232'	2.1
185	2.2		380	.4		575			11	224'	2.2
190	2.3	13	385	.4		580			12	198'	1.5
195	2.4		390	1.3	1	585			13	190'	2.4
200	1.0	12	395	.6		590			14	182'	1.6
205	.5		400	.3		595			15	145'	2.1
210	.3		405	.3		600			16		5.1
215	.5		410	.3		605			17		
220	1.9		415	.2		610			18		
225	2.1	11	420	.3		615			19		
230	2.1	10	425	.2		620			20		
235	2.2		430	.2		625			21		
240	1.2	9	435	.2		630			22		
245	1.9		440	.2		635			23		
250	1.9	8	445	.3		640			24		
255	2.0	7	450	.3		645			25		
260	1.7		455	.3		650			26		
265	1.0	6	460	.3		655			27		
270	.8		465	.2		660			28		
275	1.9	5	470	.2		665			29		
280	1.5		475	.2		670			30		
285	1.9	4	480	.2		675					
290	1.6	3	485		T.D. 485'	680					

DISTRIBUTION - ORIGINAL - DEPARTMENT CCM FILE

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICOOperator Meridian Oil Inc. Location: Unit K Sec. 1 Twp 25 Rng 06

Name of Well/Wells or Pipeline Served _____

CANYON LAIGO UNIT #239 AND #224Elevation 6739 Completion Date 8-7-93 Total Depth 391' Land Type FCasing Strings, Sizes, Types & Depths 6/15 SET 59' OF 8" PVC CASING.NO GAS, WATER, OR BOULDERS WERE ENCOUNTERED DURING CASING.If Casing Strings are cemented, show amounts & types used CementedWITH 12 SACKS.

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

NONEDepths & thickness of water zones with description of water: Fresh, Clear,
Salty, Sulphur, Etc. 80-100' (Seep) 230' - FreshDepths gas encountered: NONEGround bed depth with type & amount of coke breeze used: 391'Asbury - 5250/lbsDepths anodes placed: 1-332', 327, 320, 310, 303, 296, 289, 282, 276, 250, 240, 200, 190, 145, 135Depths vent pipes placed: Surface to 391'Vent pipe perforations: From 91' to 391'Remarks: No gas encountered during drilling

RECEIVED

JAN 31 1994

OIL CON. DIV.)
DIST. 3

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

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

#183 30-039-20527

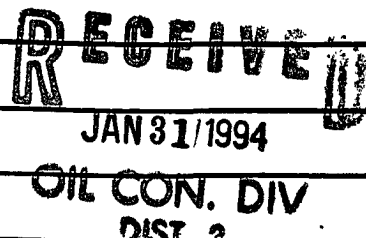
#294 30-039-22308

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICOOperator Meridian Oil Inc. Location: Unit A Sec. 02 Twp 25 Rng 06

Name of Well/Wells or Pipeline Serviced _____

CANYON LATGO UNITS #294 AND #183Elevation 6691 Completion Date 8-8-93 Total Depth 392' Land Type #5Casing Strings, Sizes, Types & Depths 6/15 SET 59' OF 8" PVC CASING.NO GAS, WATER, OR BOULDERS WERE ENCOUNTERED DURING CASING.If Casing Strings are cemented, show amounts & types used CementedWITH 11 SACKS.

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

NoneDepths & thickness of water zones with description of water: Fresh, Clear,
Salty, Sulphur, Etc. 100' - FreshDepths gas encountered: NoneGround bed depth with type & amount of coke breeze used: 392'Asbury - 5250/lbsDepths anodes placed: #1-351, 344, 285, 279, 272, 266, 259, 252, 245, 238, 231, 224, 217, 140, 130Depths vent pipes placed: Surface to 392'Vent pipe perforations: From 92' to 392'Remarks: No gas encountered during drilling

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.

166-30-039-21505

24-30-039-60041

3623

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICOOperator Meridian Oil Inc. Location: Unit N Sec. 02 Twp 25 Rng 06

Name of Well/Wells or Pipeline Serviced _____

CANYON LATGO UNITS #166 AND #24Elevation 6674 Completion Date 7/22/93 Total Depth _____ Land Type R5Casing Strings, Sizes, Types & Depths 6/20 SET 59' OF 8" PVC CASING.NO GAS, WATER, OR BOULDERS WERE ENCOUNTERED DURING CASING.If Casing Strings are cemented, show amounts & types used CementedWITH 12 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 A WATER SEEP AT 78' AND A MAJOR WATERVEIN AT 371'. WATER SAMPLE WAS TAKEN.Depths gas encountered: NONEGround bed depth with type & amount of coke breeze used: 430' DEPTH.USED 30 SACKS OF LORESCO SW AND 60 SACKS OF ASBURY 2185 (6000#)Depths anodes placed: 380', 291', 285', 279', 273', 245', 240', 234', 210', 204', 198', 192', 186', 180', +158'Depths vent pipes placed: SURFACE TO 430Vent pipe perforations: BOTTOM 320'

Remarks: _____

RECEIVED

JAN 31 1994

OIL CON. DIV. I
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.



APPENDIX C

Executed C-138 Solid Waste Acceptance Form

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

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

Form C-138
Revised 08/01/11

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

97057-1125

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. Generator Name and Address:

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

PayKey: RB21200

PM: Chase Truby

AFE: N55551

2. Originating Site:

Lateral K-51

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

UL O Section 36 T26N R6W; 36.438672, -107.418286

Dec 2021

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 20 yd³/bbls Known Volume (to be entered by the operator at the end of the haul) 12 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* 12-9-2021, 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

SIGNATURE: *Greg Crabtree*

Surface Waste Management Facility Authorized Agent

TITLE: Enviro Manager

TELEPHONE NO.:

505-632-0615

DATE: 12/20/21



APPENDIX D

Photographic Documentation

SITE PHOTOGRAPHS

Closure Report
Enterprise Field Services, LLC
Lateral K-51 (11/1/21)
Ensolum Project No. 05A1226165

**Photograph 1**

Photograph Description: View of the final excavation.

**Photograph 2**

Photograph Description: View of the final excavation.

**Photograph 3**

Photograph Description: View of the site after restoration.





APPENDIX E

Regulatory Correspondence

From: [Long, Thomas](#)
To: ["Smith, Cory, EMNRD \(Cory.Smith@state.nm.us\)"; Johnson, David](#)
Cc: [Stone, Brian](#)
Subject: FW: Lateral K-51 - UL O Section 36 T26N R6W; 36.438672, -107.418286
Date: Tuesday, November 9, 2021 3:12:00 PM
Attachments: [processed-6cc37cf0-63d3-4e05-8ecb-f6a0d164d18a_OAMetJCs.jpeg](#)
[Lateral K 5 2021_data.pdf](#)

Cory/David,

Please find the attached site sketch and lab report for the Lateral K-51 excavation. All sample results are below the NMOC Tier I remediation standard except of Stock pile SP-2. Stock pile SP-2 will be disposed of at a properly permitted landfarm. The excavation will be backfilled with the other stockpile and clean imported fill material. If you have any questions, please call or email.

Thomas J. Long
Senior Environmental Scientist
Enterprise Products Company
614 Reilly Ave.
Farmington, New Mexico 87401
505-599-2286 (office)
505-215-4727 (Cell)
tjlong@eprod.com



From: Long, Thomas
Sent: Saturday, November 6, 2021 7:02 PM
To: 'Smith, Cory, EMNRD (Cory.Smith@state.nm.us)' <Cory.Smith@state.nm.us>; 'Johnson, David' <djohnson@slo.state.nm.us>
Cc: Stone, Brian <bmstone@eprod.com>
Subject: FW: Lateral K-51 - UL O Section 36 T26N R6W; 36.438672, -107.418286

Cory/David,

This email is a notification that Enterprise will be collecting soil samples at the Lateral K-51 excavation on Monday, November 8, 2021 at 9:00 a.m. If you have any questions, please call or email.

Thomas J. Long
Senior Environmental Scientist
Enterprise Products Company
614 Reilly Ave.
Farmington, New Mexico 87401
505-599-2286 (office)
505-215-4727 (Cell)
tjlong@eprod.com



From: Long, Thomas
Sent: Tuesday, November 2, 2021 1:38 PM
To: 'Smith, Cory, EMNRD (Cory.Smith@state.nm.us)' <Cory.Smith@state.nm.us>; 'Johnson, David' <djohnson@slo.state.nm.us>
Cc: Stone, Brian <bmstone@eprod.com>
Subject: Lateral K-51 - UL O Section 36 T26N R6W; 36.438672, -107.418286

Cory/David,

This email is a notification that Enterprise had a release of natural gas on the Lateral K-51 pipeline on November 1, 2021 at approximately 3:00 p.m. The release is located a UL O Section 36 T26N R6W; 36.438672, -107.418286. The release is located on , the south edge of Tapicito Wash. There were no liquids released to the surface. The pipeline is still in the process of being blown down. The final calculated vented amount of gas will be 16.11 MCF. If you have any questions, please call or email.

Thomas J. Long
Senior Environmental Scientist
Enterprise Products Company
614 Reilly Ave.
Farmington, New Mexico 87401
505-599-2286 (office)
505-215-4727 (Cell)
tjlong@eprod.com





APPENDIX F

Table 1 – Soil Analytical Summary

TABLE 1
Lateral K-51 (11/1/21)
SOIL ANALYTICAL SUMMARY

Sample I.D.	Date	Sample Type	Sample Depth	Benzene	Toluene	Ethylbenzene	Xylenes	Total BTEX ¹	TPH GRO	TPH DRO	TPH MRO	Total Combined TPH (GRO/DRO/MRO) ¹	Chloride
		C- Composite G - Grab	(feet)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
New Mexico Energy, Mineral & Natural Resources Department Oil Conservation Division Closure Criteria (Tier I)				10	NE	NE	NE	50				100	600
Composite Soil Sample Removed by Excavation and Transported to the Landfarm for Disposal/Remediation													
SP-2	11.8.21	C	Stockpile	<0.10	<0.20	<0.20	0.72	0.72	<20	140	56	200	<60
Composite Soil Sample Collected from Stockpiled Soil													
SP-1	11.8.21	C	Stockpile	<0.019	<0.037	<0.037	<0.074	ND	<3.7	14	<48	14	<60
Excavation Composite Soil Samples													
S-1	11.8.21	C	5 to 6	<0.018	0.036	<0.035	0.080	0.12	<3.5	20	<47	20	<60
S-2	11.8.21	C	0 to 5	<0.020	<0.039	<0.039	<0.078	ND	<3.9	10	<48	10	<60
S-3	11.8.21	C	0 to 6	<0.019	<0.038	<0.038	<0.076	ND	<3.8	<9.5	<48	ND	<60
S-4	11.8.21	C	0 to 5	<0.020	<0.040	<0.040	<0.081	ND	<4.0	<9.7	<48	ND	<60
S-5	11.8.21	C	0 to 6	<0.018	<0.037	<0.037	<0.073	ND	<3.7	<10	<50	ND	<60

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

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

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

NA = Not Analyzed

NE = Not established

mg/kg = milligram per kilogram

BTEX = Benzene, Toluene, Ethylbenzene, and Xylenes

TPH = Total Petroleum Hydrocarbons

GRO = Gasoline Range Organics

DRO = Diesel Range Organics

MRO = Motor Oil/Lube Oil Range Organics



APPENDIX G

Laboratory Data Sheets & Chain of Custody Documentation

Analytical Report

Lab Order 2111422

Date Reported: 11/11/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: APEX TITAN

Client Sample ID: SP-1

Project: Lateral K 51 2021

Collection Date: 11/8/2021 9:00:00 AM

Lab ID: 2111422-001

Matrix: MEOH (SOIL)

Received Date: 11/9/2021 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	11/9/2021 10:31:20 AM	63826
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	14	9.6		mg/Kg	1	11/9/2021 10:54:00 AM	63820
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/9/2021 10:54:00 AM	63820
Surr: DNOP	101	70-130		%Rec	1	11/9/2021 10:54:00 AM	63820
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	3.7		mg/Kg	1	11/9/2021 9:26:00 AM	R82685
Surr: BFB	99.9	70-130		%Rec	1	11/9/2021 9:26:00 AM	R82685
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.019		mg/Kg	1	11/9/2021 9:26:00 AM	R82685
Toluene	ND	0.037		mg/Kg	1	11/9/2021 9:26:00 AM	R82685
Ethylbenzene	ND	0.037		mg/Kg	1	11/9/2021 9:26:00 AM	R82685
Xylenes, Total	ND	0.074		mg/Kg	1	11/9/2021 9:26:00 AM	R82685
Surr: 4-Bromofluorobenzene	108	70-130		%Rec	1	11/9/2021 9:26:00 AM	R82685

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Page 1 of 11

Analytical Report

Lab Order 2111422

Date Reported: 11/11/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: APEX TITAN

Client Sample ID: SP-2

Project: Lateral K 51 2021

Collection Date: 11/8/2021 9:05:00 AM

Lab ID: 2111422-002

Matrix: MEOH (SOIL)

Received Date: 11/9/2021 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	11/9/2021 10:43:44 AM	63826
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	140	9.7		mg/Kg	1	11/9/2021 11:07:08 AM	63820
Motor Oil Range Organics (MRO)	56	48		mg/Kg	1	11/9/2021 11:07:08 AM	63820
Surr: DNOP	102	70-130		%Rec	1	11/9/2021 11:07:08 AM	63820
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	20		mg/Kg	5	11/9/2021 9:46:00 AM	R82685
Surr: BFB	109	70-130		%Rec	5	11/9/2021 9:46:00 AM	R82685
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.10		mg/Kg	5	11/9/2021 9:46:00 AM	R82685
Toluene	ND	0.20		mg/Kg	5	11/9/2021 9:46:00 AM	R82685
Ethylbenzene	ND	0.20		mg/Kg	5	11/9/2021 9:46:00 AM	R82685
Xylenes, Total	0.72	0.41		mg/Kg	5	11/9/2021 9:46:00 AM	R82685
Surr: 4-Bromofluorobenzene	109	70-130		%Rec	5	11/9/2021 9:46:00 AM	R82685

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Page 2 of 11

Analytical Report

Lab Order 2111422

Date Reported: 11/11/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: APEX TITAN

Client Sample ID: S-1

Project: Lateral K 51 2021

Collection Date: 11/8/2021 9:10:00 AM

Lab ID: 2111422-003

Matrix: MEOH (SOIL)

Received Date: 11/9/2021 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	11/9/2021 10:56:09 AM	63826
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	20	9.5		mg/Kg	1	11/9/2021 11:20:08 AM	63820
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	11/9/2021 11:20:08 AM	63820
Surr: DNOP	97.5	70-130		%Rec	1	11/9/2021 11:20:08 AM	63820
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	3.5		mg/Kg	1	11/9/2021 10:05:00 AM	R82685
Surr: BFB	108	70-130		%Rec	1	11/9/2021 10:05:00 AM	R82685
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.018		mg/Kg	1	11/9/2021 10:05:00 AM	R82685
Toluene	0.036	0.035		mg/Kg	1	11/9/2021 10:05:00 AM	R82685
Ethylbenzene	ND	0.035		mg/Kg	1	11/9/2021 10:05:00 AM	R82685
Xylenes, Total	0.080	0.070		mg/Kg	1	11/9/2021 10:05:00 AM	R82685
Surr: 4-Bromofluorobenzene	107	70-130		%Rec	1	11/9/2021 10:05:00 AM	R82685

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Page 3 of 11

Analytical Report

Lab Order 2111422

Date Reported: 11/11/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: APEX TITAN

Client Sample ID: S-2

Project: Lateral K 51 2021

Collection Date: 11/8/2021 9:15:00 AM

Lab ID: 2111422-004

Matrix: MEOH (SOIL)

Received Date: 11/9/2021 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	11/9/2021 11:08:34 AM	63826
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	10	9.5		mg/Kg	1	11/9/2021 11:33:28 AM	63820
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/9/2021 11:33:28 AM	63820
Surr: DNOP	111	70-130		%Rec	1	11/9/2021 11:33:28 AM	63820
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	3.9		mg/Kg	1	11/9/2021 10:25:00 AM	R82685
Surr: BFB	97.3	70-130		%Rec	1	11/9/2021 10:25:00 AM	R82685
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.020		mg/Kg	1	11/9/2021 10:25:00 AM	R82685
Toluene	ND	0.039		mg/Kg	1	11/9/2021 10:25:00 AM	R82685
Ethylbenzene	ND	0.039		mg/Kg	1	11/9/2021 10:25:00 AM	R82685
Xylenes, Total	ND	0.078		mg/Kg	1	11/9/2021 10:25:00 AM	R82685
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	1	11/9/2021 10:25:00 AM	R82685

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Page 4 of 11

Analytical Report

Lab Order 2111422

Date Reported: 11/11/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: APEX TITAN

Client Sample ID: S-3

Project: Lateral K 51 2021

Collection Date: 11/8/2021 9:20:00 AM

Lab ID: 2111422-005

Matrix: MEOH (SOIL)

Received Date: 11/9/2021 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	11/9/2021 11:20:59 AM	63826
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	11/9/2021 11:46:42 AM	63820
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/9/2021 11:46:42 AM	63820
Surr: DNOP	98.8	70-130		%Rec	1	11/9/2021 11:46:42 AM	63820
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	3.8		mg/Kg	1	11/9/2021 10:45:00 AM	R82685
Surr: BFB	101	70-130		%Rec	1	11/9/2021 10:45:00 AM	R82685
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.019		mg/Kg	1	11/9/2021 10:45:00 AM	R82685
Toluene	ND	0.038		mg/Kg	1	11/9/2021 10:45:00 AM	R82685
Ethylbenzene	ND	0.038		mg/Kg	1	11/9/2021 10:45:00 AM	R82685
Xylenes, Total	ND	0.076		mg/Kg	1	11/9/2021 10:45:00 AM	R82685
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	11/9/2021 10:45:00 AM	R82685

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Page 5 of 11

Analytical Report

Lab Order 2111422

Date Reported: 11/11/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: APEX TITAN

Client Sample ID: S-4

Project: Lateral K 51 2021

Collection Date: 11/8/2021 9:25:00 AM

Lab ID: 2111422-006

Matrix: MEOH (SOIL)

Received Date: 11/9/2021 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	11/9/2021 11:33:24 AM	63826
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	11/9/2021 12:00:17 PM	63820
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/9/2021 12:00:17 PM	63820
Surr: DNOP	88.2	70-130		%Rec	1	11/9/2021 12:00:17 PM	63820
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.0		mg/Kg	1	11/9/2021 11:04:00 AM	R82685
Surr: BFB	102	70-130		%Rec	1	11/9/2021 11:04:00 AM	R82685
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.020		mg/Kg	1	11/9/2021 11:04:00 AM	R82685
Toluene	ND	0.040		mg/Kg	1	11/9/2021 11:04:00 AM	R82685
Ethylbenzene	ND	0.040		mg/Kg	1	11/9/2021 11:04:00 AM	R82685
Xylenes, Total	ND	0.081		mg/Kg	1	11/9/2021 11:04:00 AM	R82685
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	11/9/2021 11:04:00 AM	R82685

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Page 6 of 11

Analytical Report

Lab Order 2111422

Date Reported: 11/11/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: APEX TITAN

Client Sample ID: S-5

Project: Lateral K 51 2021

Collection Date: 11/8/2021 9:30:00 AM

Lab ID: 2111422-007

Matrix: MEOH (SOIL)

Received Date: 11/9/2021 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	11/9/2021 11:45:48 AM	63826
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	11/9/2021 12:13:47 PM	63820
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	11/9/2021 12:13:47 PM	63820
Surr: DNOP	95.1	70-130		%Rec	1	11/9/2021 12:13:47 PM	63820
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	3.7		mg/Kg	1	11/9/2021 11:24:00 AM	R82685
Surr: BFB	91.5	70-130		%Rec	1	11/9/2021 11:24:00 AM	R82685
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.018		mg/Kg	1	11/9/2021 11:24:00 AM	R82685
Toluene	ND	0.037		mg/Kg	1	11/9/2021 11:24:00 AM	R82685
Ethylbenzene	ND	0.037		mg/Kg	1	11/9/2021 11:24:00 AM	R82685
Xylenes, Total	ND	0.073		mg/Kg	1	11/9/2021 11:24:00 AM	R82685
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	11/9/2021 11:24:00 AM	R82685

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Page 7 of 11

Chain-of-Custody Record

Turn-Around Time:

Client:

Ensolum, LLC

☐ Standard☒ Rush

100% Same Day

Project Name:

Mailing Address:

6006 S. Rio Grande, Suite A

Lateral K-51 (2021)

Albuquerque, NM 87410

Project #:

05A1226

Phone #:

email or Fax#: ksummers@ensolum.com

Project Manager:

K. Summers

QA/QC Package:

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

Sampler:

L. Daniell

On Ice:

☒ Yes☐ No

of Coolers:

1

Cooler Temp (including CF): 2.3°C / 36.1°F / 22.2°C

Container
Type and #Preservative
Type

HEAL No.

2111422

Date

Time

Matrix

Sample Name

11/8/21

9:00

S

SP-1

14oz jar

Cool

-001

X

X

11/8/21

9:05

S

SP-2

14oz jar

Cool

-002

X

X

11/8/21

9:10

S

S-1

14oz jar

Cool

-003

X

X

11/8/21

9:15

S

S-2

14oz jar

Cool

-004

X

X

11/8/21

9:20

S

S-3

14oz jar

Cool

-005

X

X

11/8/21

9:25

S

S-4

14oz jar

Cool

-006

X

X

11/8/21

9:30

S

S-5

14oz jar

Cool

-007

X

X

BTX / 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, NO₃, NO₂, PO₄, SO₄

8260 (VOA)

8270 (Semi-VOA)

Total Coliform (Present/Absent)

HALL ENVIRONMENTAL
ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Remarks:

PM Tom Long
Pay Key: RBZ1200
Non AFE: N 55551

DAD 11/9/21

Same Day

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

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

WO#: 2111422

11-Nov-21

Client: APEX TITAN
Project: Lateral K 51 2021

Sample ID: MB-63826	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 63826	RunNo: 82686								
Prep Date: 11/9/2021	Analysis Date: 11/9/2021	SeqNo: 2936631	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-63826	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 63826	RunNo: 82686								
Prep Date: 11/9/2021	Analysis Date: 11/9/2021	SeqNo: 2936632	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.0	90	110			

Qualifiers:

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

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

Page 8 of 11

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

WO#: 2111422

11-Nov-21

Client: APEX TITAN
Project: Lateral K 51 2021

Sample ID: 2111422-001AMS	SampType: MS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: SP-1	Batch ID: 63820	RunNo: 82697								
Prep Date: 11/9/2021	Analysis Date: 11/9/2021	SeqNo: 2935885 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	9.7	48.26	13.72	71.5	39.3	155			
Surr: DNOP	4.9		4.826		103	70	130			

Sample ID: MB-63820	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 63820	RunNo: 82697								
Prep Date: 11/9/2021	Analysis Date: 11/9/2021	SeqNo: 2935892 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.8		10.00		98.2	70	130			

Sample ID: LCS-63820	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 63820	RunNo: 82697								
Prep Date: 11/9/2021	Analysis Date: 11/9/2021	SeqNo: 2935893 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43	10	50.00	0	86.4	68.9	135			
Surr: DNOP	4.4		5.000		88.4	70	130			

Sample ID: 2111422-001AMSD	SampType: MSD	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: SP-1	Batch ID: 63820	RunNo: 82697								
Prep Date: 11/9/2021	Analysis Date: 11/9/2021	SeqNo: 2936966 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	9.4	46.90	13.72	69.9	39.3	155	3.61	23.4	
Surr: DNOP	4.6		4.690		98.9	70	130	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Page 9 of 11

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

WO#: 2111422

11-Nov-21

Client: APEX TITAN
Project: Lateral K 51 2021

Sample ID: mb-water	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: R82685		RunNo: 82685							
Prep Date:	Analysis Date: 11/9/2021		SeqNo: 2935444		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	980		1000		98.0	70	130			

Sample ID: 2.5ug gro lcs	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: R82685		RunNo: 82685							
Prep Date:	Analysis Date: 11/9/2021		SeqNo: 2935449		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	101	78.6	131			
Surr: BFB	1100		1000		108	70	130			

Sample ID: 2111422-001ams	SampType: MS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: SP-1	Batch ID: R82685		RunNo: 82685							
Prep Date:	Analysis Date: 11/9/2021		SeqNo: 2936041		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	19	3.7	18.50	0	102	61.3	114			
Surr: BFB	800		740.2		108	70	130			

Sample ID: 2111422-001amsd	SampType: MSD		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: SP-1	Batch ID: R82685		RunNo: 82685							
Prep Date:	Analysis Date: 11/9/2021		SeqNo: 2936042		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	19	3.7	18.50	0	102	61.3	114	0.0786	20	
Surr: BFB	770		740.2		104	70	130	0	0	

Qualifiers:

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

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

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

WO#: 2111422

11-Nov-21

Client: APEX TITAN
Project: Lateral K 51 2021

Sample ID: mb-water	SampType: MBLK		TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batch ID: R82685		RunNo: 82685							
Prep Date:	Analysis Date: 11/9/2021		SeqNo: 2935465		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.1		1.000		106	70	130			

Sample ID: 100ng btex lcs	SampType: LCS		TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batch ID: R82685		RunNo: 82685							
Prep Date:	Analysis Date: 11/9/2021		SeqNo: 2935470		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	1.000	0	105	80	120			
Toluene	1.1	0.050	1.000	0	108	80	120			
Ethylbenzene	1.1	0.050	1.000	0	108	80	120			
Xylenes, Total	3.3	0.10	3.000	0	109	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		106	70	130			

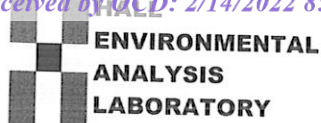
Sample ID: 2111422-002ams	SampType: MS		TestCode: EPA Method 8021B: Volatiles							
Client ID: SP-2	Batch ID: R82685		RunNo: 82685							
Prep Date:	Analysis Date: 11/9/2021		SeqNo: 2936043		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	4.4	0.10	4.078	0	107	80	120			
Toluene	4.1	0.20	4.078	0	101	80	120			
Ethylbenzene	4.4	0.20	4.078	0.04592	107	80	120			
Xylenes, Total	13	0.41	12.24	0.7209	104	80	120			
Surr: 4-Bromofluorobenzene	4.2		4.078		103	70	130			

Sample ID: 2111422-002amsd	SampType: MSD		TestCode: EPA Method 8021B: Volatiles							
Client ID: SP-2	Batch ID: R82685		RunNo: 82685							
Prep Date:	Analysis Date: 11/9/2021		SeqNo: 2936044		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	4.2	0.10	4.078	0	102	80	120	5.07	20	
Toluene	4.0	0.20	4.078	0	97.7	80	120	3.74	20	
Ethylbenzene	4.2	0.20	4.078	0.04592	103	80	120	3.65	20	
Xylenes, Total	13	0.41	12.24	0.7209	101	80	120	3.18	20	
Surr: 4-Bromofluorobenzene	3.9		4.078		94.8	70	130	0	0	

Qualifiers:

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

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit



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

Sample Log-In Check List

Client Name: ENSOLUM

Work Order Number: 2111422

RcptNo: 1

Received By: Isaiah Ortiz 11/9/2021 7:00:00 AM

Completed By: Desiree Dominguez 11/9/2021 7:56:23 AM

Reviewed By: JN 11/9/21

I-0x
ID2Chain of Custody

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

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace $<1/4$ " for AQ VOA? Yes ☐ No ☐ NA ☒
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes ☒ No ☐

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

Adjusted? _____

Checked by: JMC 11/9/21

Special Handling (if applicable)

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

Person Notified: _____

Date: _____

By Whom: _____

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.2	Good	Yes			



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

November 11, 2021

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

RE: Lateral K 51 2021

OrderNo.: 2111422

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 7 sample(s) on 11/9/2021 for the analyses presented in the following report.

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

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

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

Sincerely,

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

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 81226

CONDITIONS

Operator: Enterprise Field Services, LLC PO Box 4324 Houston, TX 77210	OGRID: 241602
	Action Number: 81226
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	None	4/22/2022