

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

State of New Mexico
Energy Minerals and Natural
Resources Department

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

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

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: Enterprise Field Services, LLC	OGRID: 151618
Contact Name: Thomas Long	Contact Telephone: 505-599-2286
Contact email: tjlong@eprod.com	Incident # (assigned by OCD): NRM2024464298
Contact mailing address: 614 Reilly Ave, Farmington, NM 87401	

Location of Release Source

Latitude **36.758648** Longitude **-108.258587** (NAD 83 in decimal degrees to 5 decimal places)

Site Name Lateral 5A-2 Y-1 Condensate Tank	Site Type Natural Gas Gathering Condensate Tank
Date Release Discovered: 8/21/2020	Serial Number (if applicable): N/A

Unit Letter	Section	Township	Range	County
G	1	29N	14W	San Juan

Surface Owner: State Federal Tribal Private (Name: Farmington School District #5)

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): ~15 barrels	Volume Recovered (bbls): ~15 barrels
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf):
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units):	Volume/Weight Recovered (provide units)

Cause of Release On August 21, 2020, Enterprise had a release of condensate from the Lateral 5A-2 Y-1 condensate tank. All fluids release were released into a lined secondary containment structure. No fluids were released to the ground surface. No washes were affected. The condensate was removed from the tank was and secondary containment structure. Approximately 15 barrels of condensate were recovered from the secondary containment structure. On September 14, 2020, removed the storage tank and then observed small holes in the secondary containment liner. After the liner was removed, Enterprise remediated the hydrocarbon impacted soil beneath the liner. The final excavation dimensions measured approximately 26 feet long by 22 feet wide and up to 1.5 feet deep. Approximately 20 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	

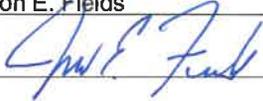
Closure

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: Jon E. Fields Title: Director, Environmental
 Signature:  Date: 3/4/2021
 email: jefields@eprod.com Telephone: (713) 381-6684

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: Nelson Velez Date: 04/26/2022
 Printed Name: Nelson Velez Title: Environmental Specialist – Adv



CLOSURE REPORT

Property:

**Lateral 5A-2 Y-1 Condensate Tank
NE ¼, S1 T29N R14W
San Juan County, New Mexico**

December 9, 2020
Ensolum Project No. 05A1226117

Prepared for:

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

Prepared by:

A handwritten signature in blue ink, appearing to read "L. Daniell".

Landon Daniell
Staff Geologist

A handwritten signature in purple ink, appearing to read "Kyle Summers".

Kyle Summers, CPG
Senior Project Manager

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CLOSURE REPORT

**Lateral 5A-2 Y-1 Condensate Tank
NE ¼, S1 T29N R14W
San Juan County, New Mexico**

Ensolum Project No. 05A1226117

1.0 INTRODUCTION

1.1 Site Description & Background

Operator:	Enterprise Field Services, LLC / Enterprise Products Operating LLC (Enterprise)
Site Name:	Lateral 5A-2 Y-1 Condensate Tank (Site)
Incident ID	NRM2024464298
Location:	36.758648° North, 108.258587° West Northeast (NE) ¼ of Section 1, Township 29 North, Range 14 West San Juan County, New Mexico
Property:	Farmington School District #5
Regulatory:	New Mexico Energy, Minerals and Natural Resources Department (EMNRD) Oil Conservation Division (OCD)

On August 21, 2020, Enterprise discovered a release of condensate from the Lateral 5A-2 Y-1 condensate tank. The soil below the secondary containment liner appeared to be unaffected. On September 14, 2020, Enterprise initiated activities to remove the storage tank and secondary containment liner and remediate potential petroleum hydrocarbon impact resulting from the release.

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 New Mexico EMNRD OCD closure criteria.

2.0 CLOSURE CRITERIA

The Site is subject to regulatory oversight by the New Mexico EMNRD OCD. To address the activities related to oil and gas releases, the New Mexico EMNRD OCD references New Mexico Administrative Code (NMAC) 19.15.29 *Releases*, which establishes investigation and abatement action requirements for oil and gas release sites that are subject to reporting and/or corrective action. Ensolum, LLC (Ensolum) utilized information provided by Enterprise, the general site characteristics, and information available from the New Mexico Office of the State Engineer (OSE) and the New Mexico 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

Enterprise Field Services, LLC
Closure Report
Lateral 5A-2 Y-1 Condensate Tank
December 9, 2020



and includes an interactive map). Six (6) PODs (SJ-00993, SJ-02079, SJ-02779, SJ-02931, SJ-03874 POD 3, and SJ-03874 POD 4) were identified in the OSE WRRS database within a one mile radius of the Site. No depths to water are listed for SJ-00993, SJ-02079, SJ-02779, SJ-03874 POD 3, and SJ-03874 POD4. The record for SJ-02931 indicates depth to water at 12 feet below grade surface (bgs). POD SJ-02931 is located approximately one mile from the Site, at an elevation that is 300 feet lower than the Site (near the La Plata River). The average depth to water for additional PODs located over one (1) mile in adjacent Public Land Survey System sections is approximately 54 feet bgs. It is anticipated that the depth to water at the Site is >50' bgs. Supporting documentation is provided in **Appendix B**.

- No cathodic-protection wells were identified within one mile of the Site.
- The Site is not located within 300 feet of a New Mexico EMNRD OCD-defined continuously flowing watercourse or significant watercourse. An ephemeral wash is that is not identified as a significant watercourse is located approximately 200 feet southeast of the location.
- 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. Tibbets Middle School is located approximately 1300 feet northwest of the Site.
- According to information provided in the OSE WRRS database, no springs or private domestic fresh water wells used by less than five (5) households for domestic or stock watering purposes were identified within 500 feet of the Site.
- According to information provided in the OSE WRRS database, no fresh water wells are located within 1,000 feet of the Site.
- The Site is located within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to New Mexico Statutes Annotated (NMSA) 1978, Section 3-27-3. The Site is located within the City of Farmington.
- 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.
- Based on information identified on the New Mexico 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.
- The Site is not located within an unstable area.
- Based on information identified in the Federal Emergency Management Agency (FEMA) National Flood Hazard Layer (NFHL) geospatial database, the Site is not located within a 100-year floodplain.

Based on the identified siting criteria and due to the soil requirements of NMAC 19.15.29.13(D)(1) which indicate that a minimum of the upper four (4) feet must contain "uncontaminated" soil and that the soils meet Tier I closure criteria listed in Table 1 of NMAC 19.15.29.12, cleanup goals for soils remaining in place at the Site include:

Enterprise Field Services, LLC
 Closure Report
 Lateral 5A-2 Y-1 Condensate Tank
 December 9, 2020



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

3.0 SOIL REMEDIATION ACTIVITIES

On September 14, 2020, Enterprise initiated activities to remove the storage tank and secondary liner and remediate potential petroleum hydrocarbon impact resulting from the release. During the remediation and corrective action activities, OFT Construction, Inc. (OFT) provided heavy equipment and labor support, while Ensolum provided environmental consulting support.

The final excavation measured approximately 26 feet long and 22 feet wide at the maximum extents, with a maximum depth of approximately 1.5 feet bgs.

The lithology encountered during the completion of remediation activities consisted of unconsolidated gravelly sand.

Approximately 20 cubic yards of petroleum hydrocarbon affected soils and 20 barrels of contained liquids were transported to the Industrial Ecosystems, Inc. (IEI) landfarm on Crouch Mesa near Aztec, New Mexico for disposal/remediation. The executed C-138 solid waste acceptance form is provided in **Appendix C**. The excavation was backfilled with imported fill and then contoured to the surrounding grade. The liner in the secondary containment was replaced and the condensate tank was replaced and put back in service.

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

4.0 SOIL SAMPLING PROGRAM

Ensolum field screened soil samples from the undisturbed soils and later from the excavation utilizing a calibrated Dexsil PetroFLAG® hydrocarbon analyzer system to guide the excavation extents.

Ensolum's soil sampling program included the collection of six (6) composite soil samples (S-1 (0'-0.25') through S-4 (0'-0.25'), S-1 (1 - 1.5'), and S-4 (0.5')), comprised of five (5) aliquots each, from the excavation for laboratory analysis. A clean shovel was utilized to obtain fresh aliquots from each sampling area. The New Mexico EMNRD OCD provided verbal approval to proceed with the sampling events although a New Mexico EMNRD OCD representative was not present during sampling activities.

First Sampling Event

On September 16, 2020 composite soil samples S-1 through S-4 were collected from the ground surface beneath the secondary liner.

Second Sampling Event

On September 28, 2020 composite soil samples S-1 (1 -1.5') and S-4 (0.5') were collected from the excavation.

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The 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, New Mexico, under proper chain-of-custody procedures.

5.0 SOIL LABORATORY ANALYTICAL METHODS

The composite soil samples were analyzed for benzene, toluene, ethylbenzene, and total xylenes (BTEX) using Environmental Protection Agency (EPA) SW-846 Method #8021; total petroleum hydrocarbon (TPH) gasoline range organics (GRO), diesel range organics (DRO), and motor oil/lube oil range organics (MRO) using EPA SW-846 Method #8015; and chlorides using EPA Method #300.0.

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

6.0 DATA EVALUATION

Ensolum compared the BTEX, TPH, and chloride laboratory analytical concentrations or laboratory supplied practical quantitation limits (PQLs) / reporting limits (RLs) associated with the composite soil samples (S-1 (1'-1.5'), S-2 (0'-0.25'), S-3 (0'-0.25'), and S-4 (0.5')) to the applicable New Mexico EMNRD OCD closure criteria. Composite samples S-1(0'-0.25') and S-4 (0'-0.25') are not included in the following discussion because the soils associated with those samples were removed from the Site.

- The laboratory analytical results for the composite soil samples indicate that benzene is not present at concentrations greater than the laboratory PQLs/RLs, which are less than the applicable New Mexico EMNRD OCD closure criteria of 10 milligrams per kilogram (mg/kg).
- The laboratory analytical results for the composite soil samples indicate that total BTEX is not present at concentrations greater than the laboratory PQLs/RLs, which are less than the applicable New Mexico EMNRD OCD closure criteria of 50 mg/kg.
- The laboratory analytical results for the composite soil samples indicate that total TPH GRO/DRO/MRO is not present at concentrations greater than the laboratory PQLs/RLs, which are less than the applicable New Mexico EMNRD OCD closure criteria of 100 mg/kg.
- The laboratory analytical results for the composite soil samples indicate that chloride is not present at concentrations greater than the laboratory PQLs/RLs, which are less than the applicable New Mexico EMNRD OCD closure criteria of 600 mg/kg for chlorides.

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

7.0 RECLAMATION/REVEGETATION

Enterprise backfilled the excavation with imported fill and then contoured to the surrounding grade. The liner in the secondary containment was replaced and the condensate tank was replaced and put back in service.

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December 9, 2020



8.0 FINDINGS AND RECOMMENDATION

- Six (6) composite soil samples were collected from the excavation. Based on laboratory analytical results, the soils remaining in place do not exhibit COC concentrations above the applicable New Mexico EMNRD OCD closure criteria.
- Approximately 20 cubic yards of contaminated soil and 20 barrels of contained liquids were transported to the IEI landfarm for disposal/remediation. The excavation was backfilled with imported fill and then contoured to the surrounding grade. The liner in the secondary containment was replaced and the condensate tank was replaced and put back in service.

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

9.0 STANDARDS OF CARE, LIMITATIONS, AND RELIANCE

9.1 Standard of Care

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

9.2 Limitations

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

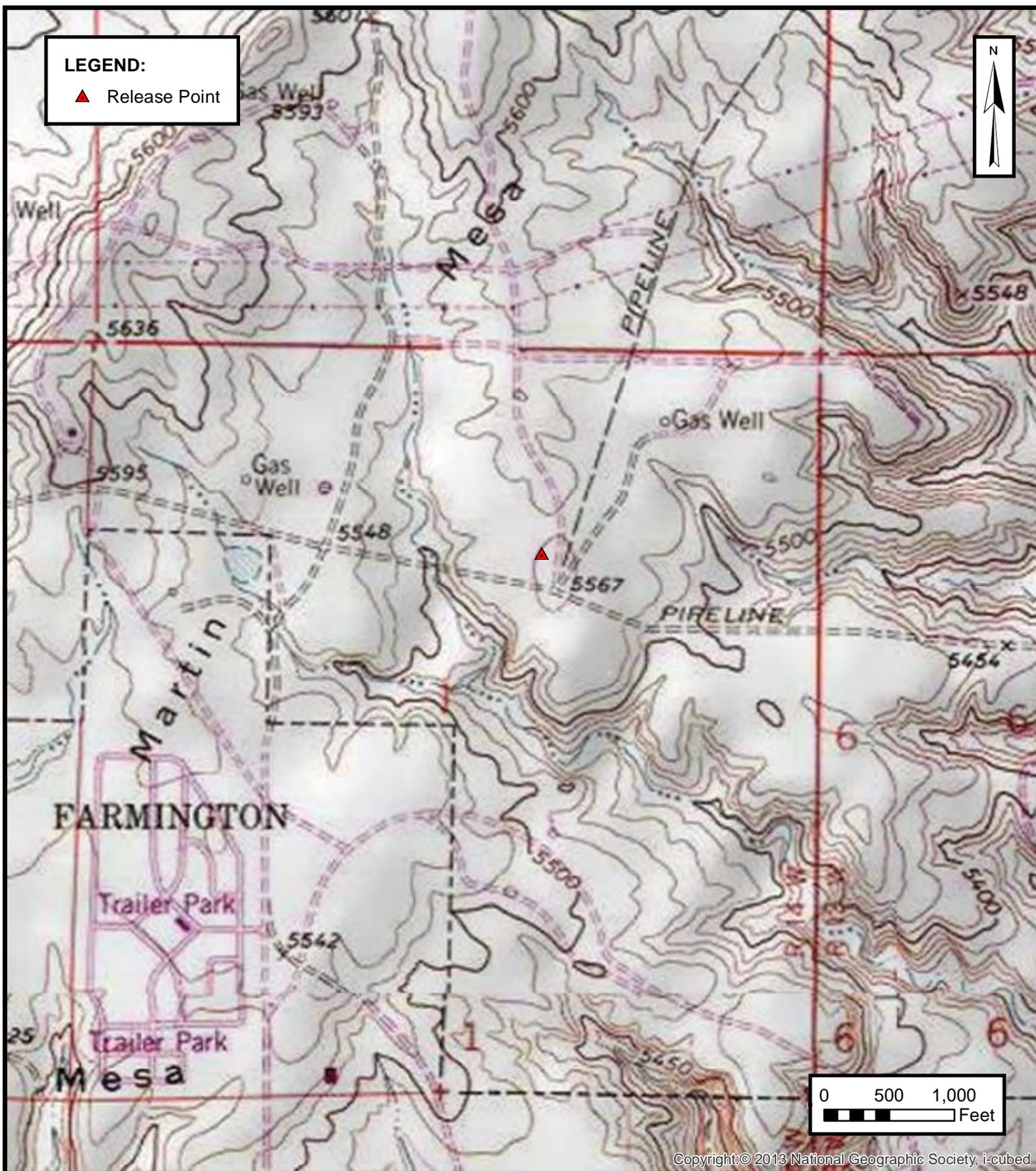
9.3 Reliance

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



APPENDIX A

Figures



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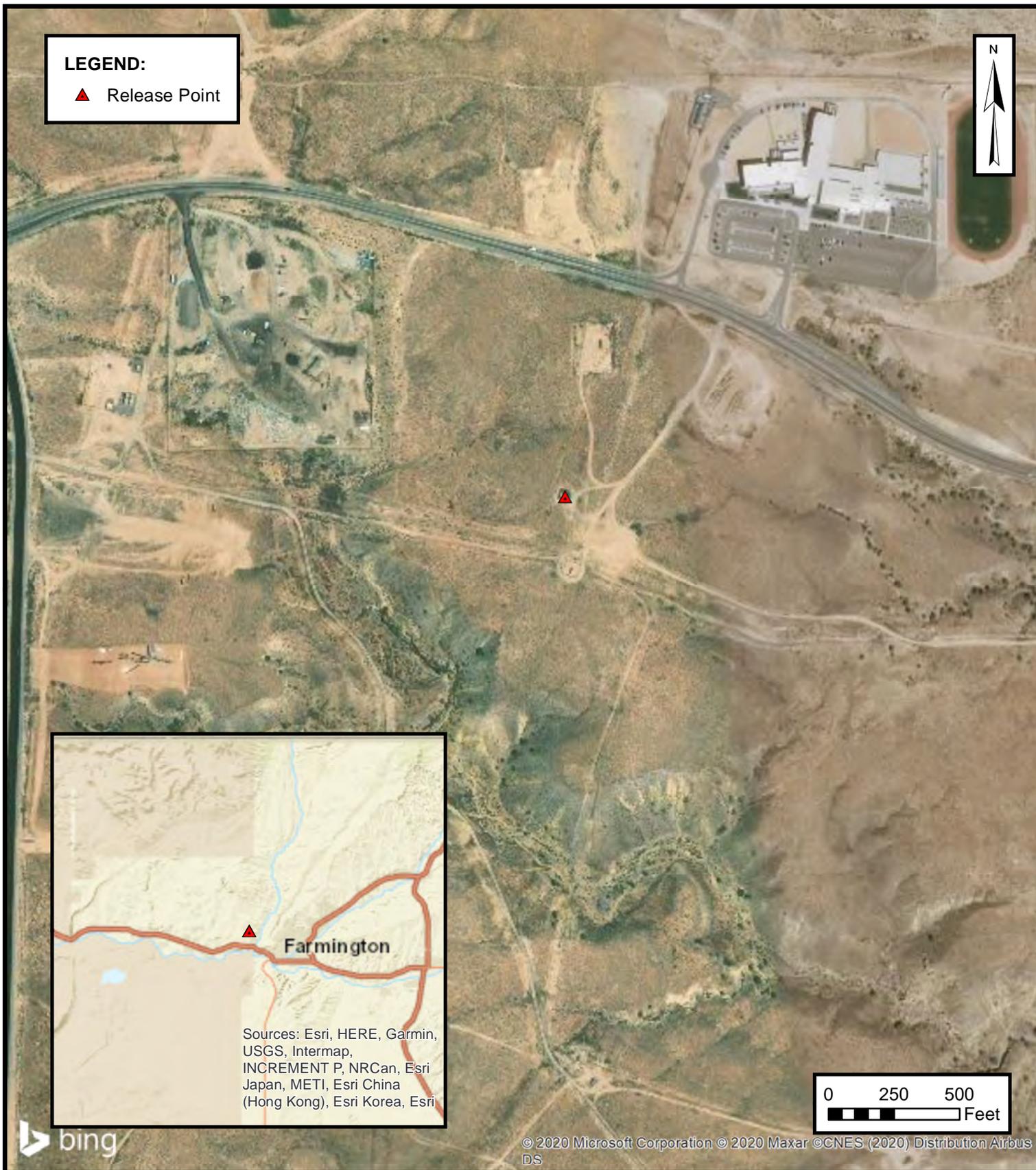
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TOPOGRAPHIC MAP

ENTERPRISE FIELD SERVICES, LLC
 LATERAL 5A-2 Y-1 CONDENSATE TANK
 NE ¼ of S1, T29N, R14W, San Juan County, New Mexico
 36.758648° N, 108.258587° W

PROJECT NUMBER: 05A1226117

FIGURE
1

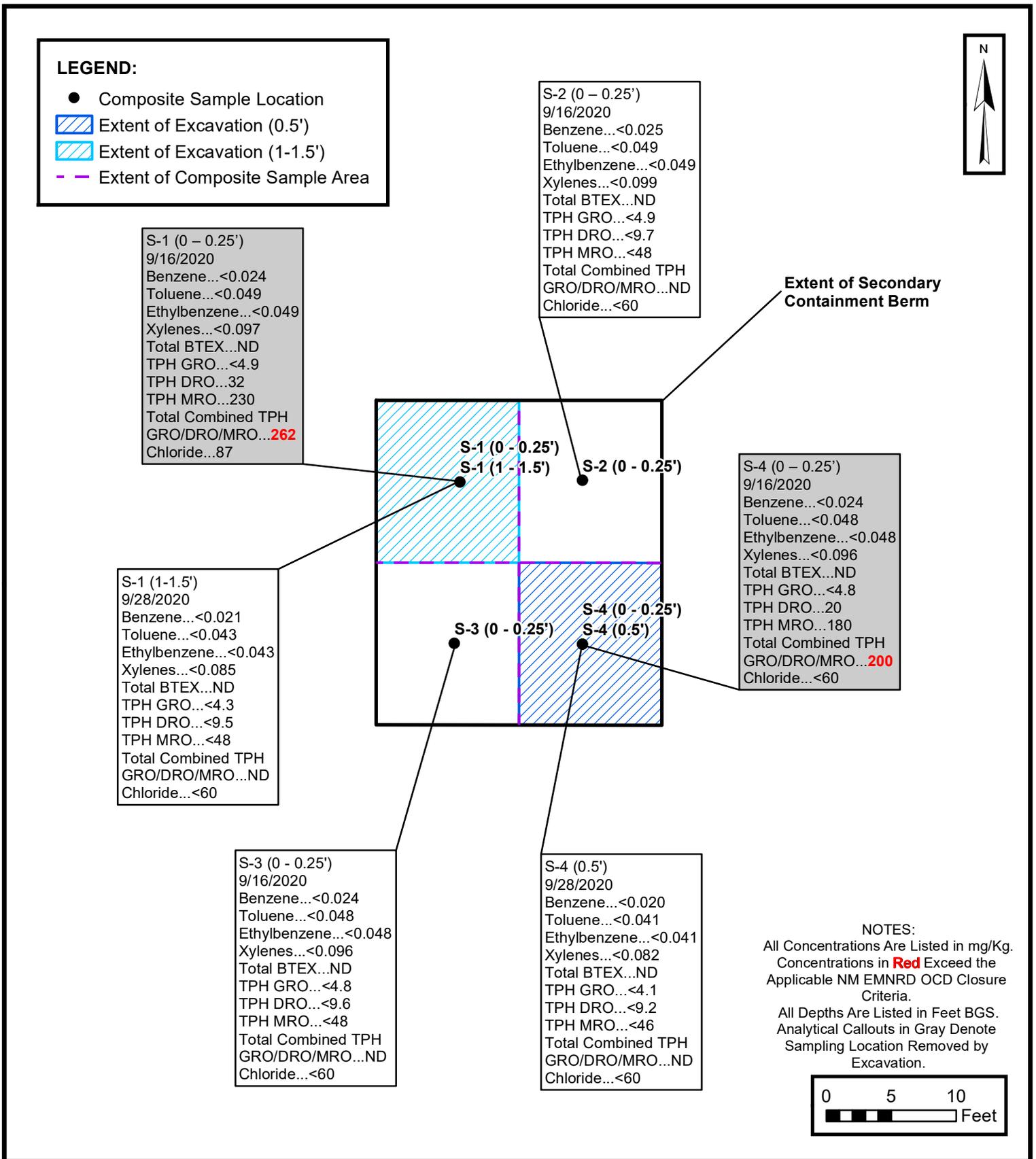


SITE VICINITY MAP

ENTERPRISE FIELD SERVICES, LLC
 LATERAL 5A-2 Y-1 CONDENSATE TANK
 NE ¼ of S1, T29N, R14W, San Juan County, New Mexico
 36.758648° N, 108.258587° W

PROJECT NUMBER: 05A1226117

FIGURE
2



SITE MAP

ENTERPRISE FIELD SERVICES, LLC
LATERAL 5A-2 Y-1 CONDENSATE TANK
NE ¼ of S1, T29N, R14W, San Juan County, New Mexico
36.758648° N, 108.258587° W

PROJECT NUMBER: 05A1226117

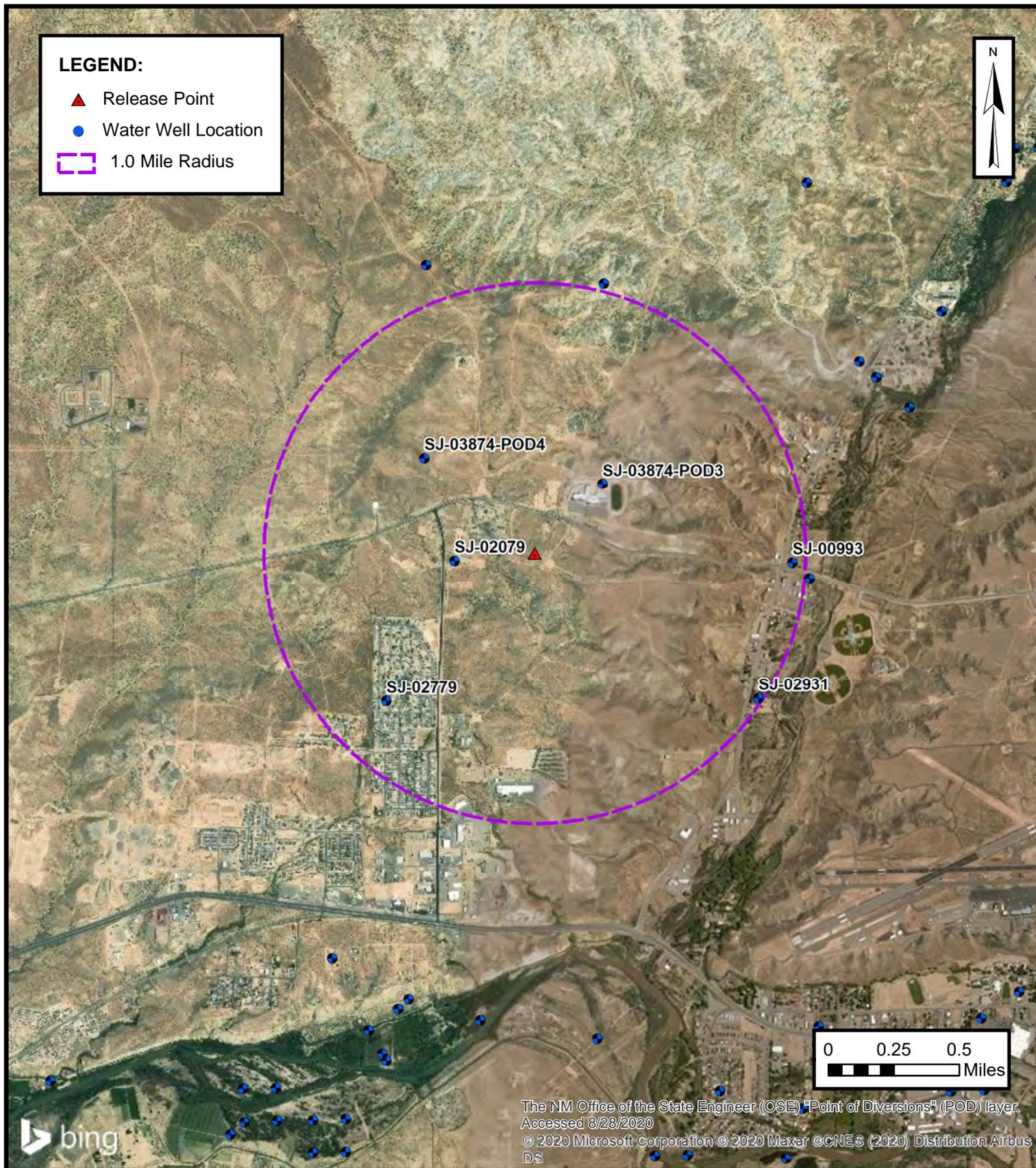
FIGURE

3



APPENDIX B

Siting Figures and Documentation



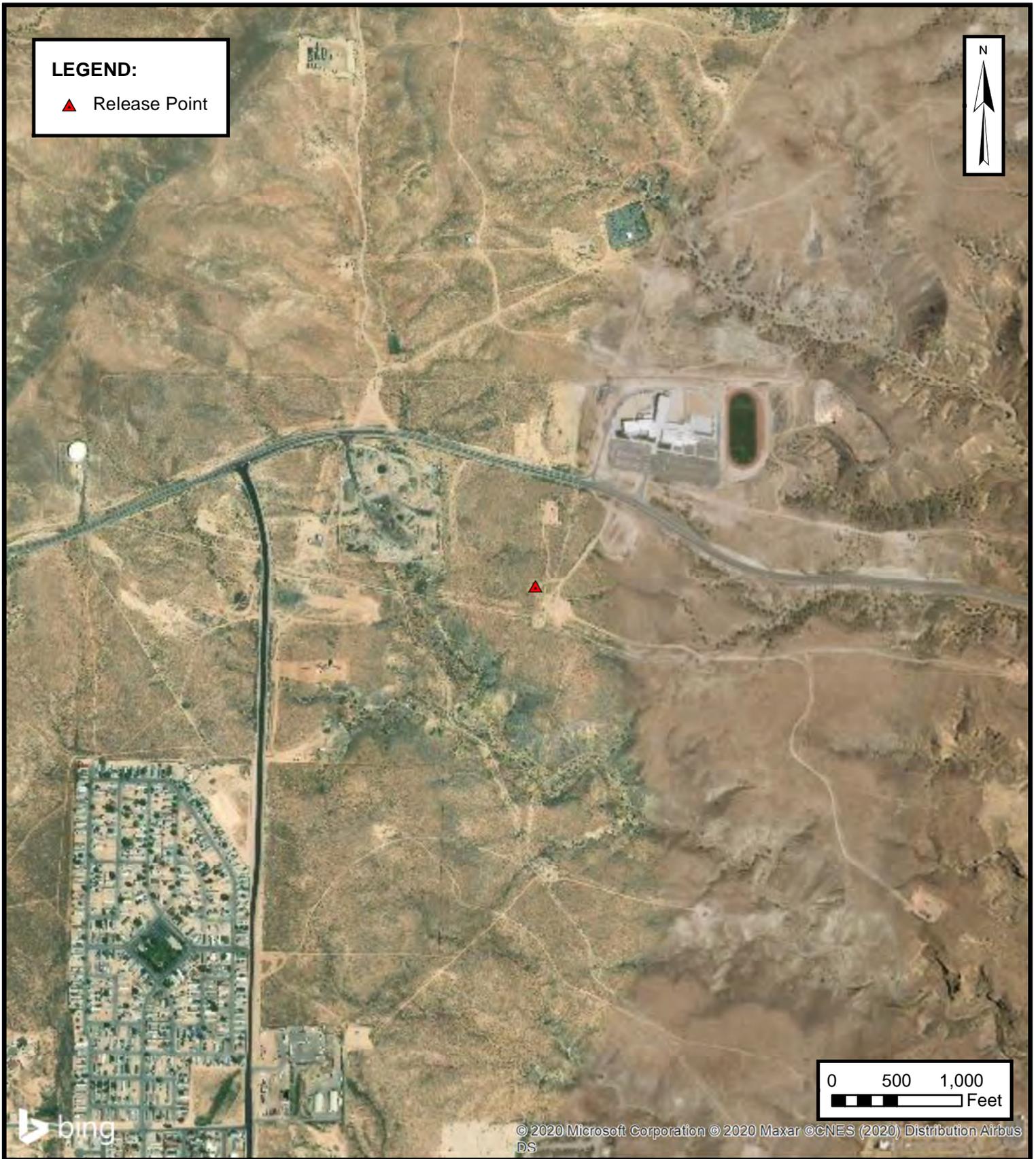
1.0 MILE RADIUS WATER WELL MAP

ENTERPRISE FIELD SERVICES, LLC
 LATERAL 5A-2 Y-1 CONDENSATE TANK
 NE ¼ of S1, T29N, R14W, San Juan County, New Mexico
 36.758648° N, 108.258587° W

PROJECT NUMBER: 05A1226117

FIGURE

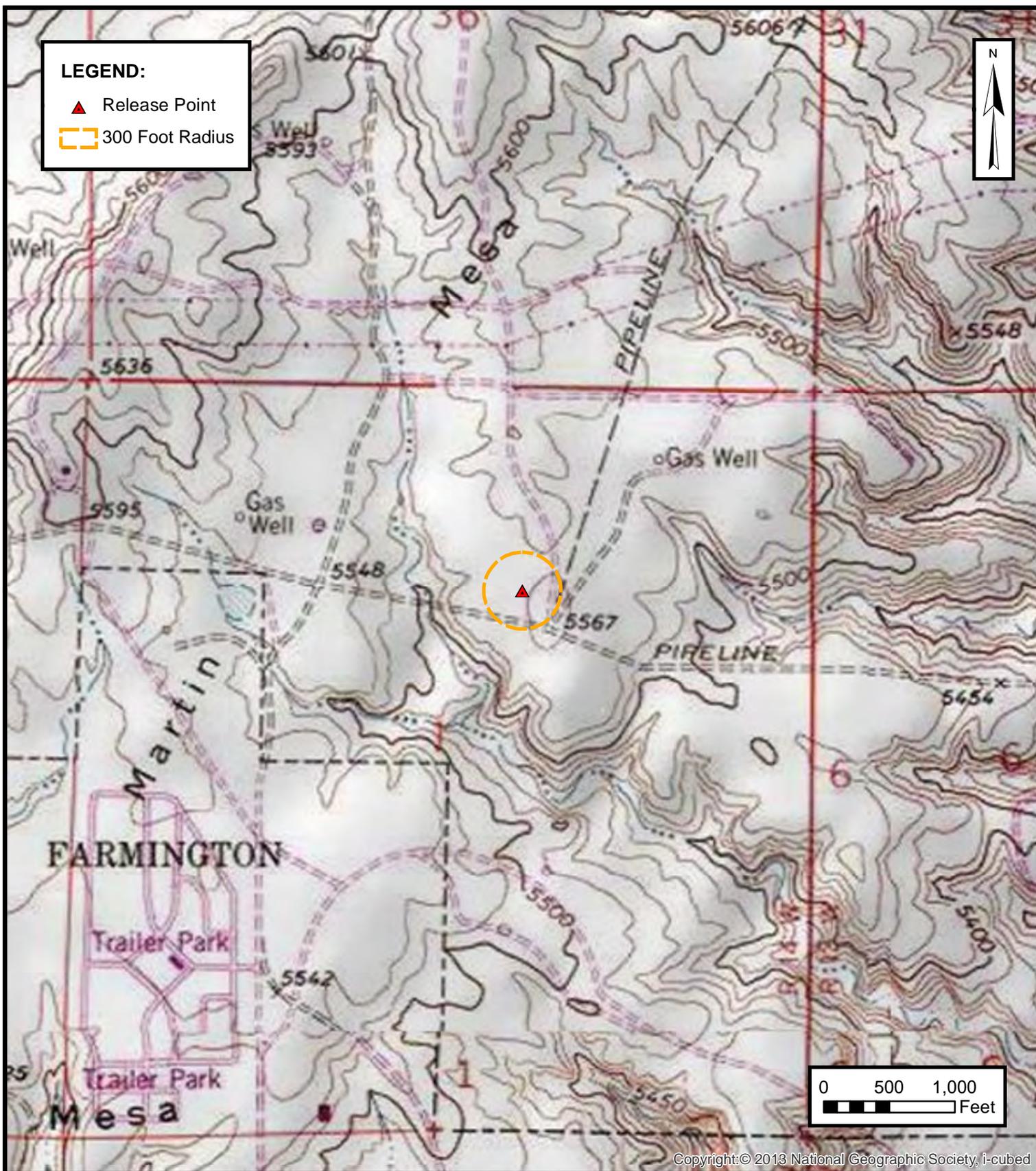
A



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**CATHODIC PROTECTION WELL RECORDED
DEPTH TO WATER**
ENTERPRISE FIELD SERVICES, LLC
LATERAL 5A-2 Y-1 CONDENSATE TANK
NE ¼ of S1, T29N, R14W, San Juan County, New Mexico
36.758648° N, 108.258587° W
PROJECT NUMBER: 05A1226117

**FIGURE
B**



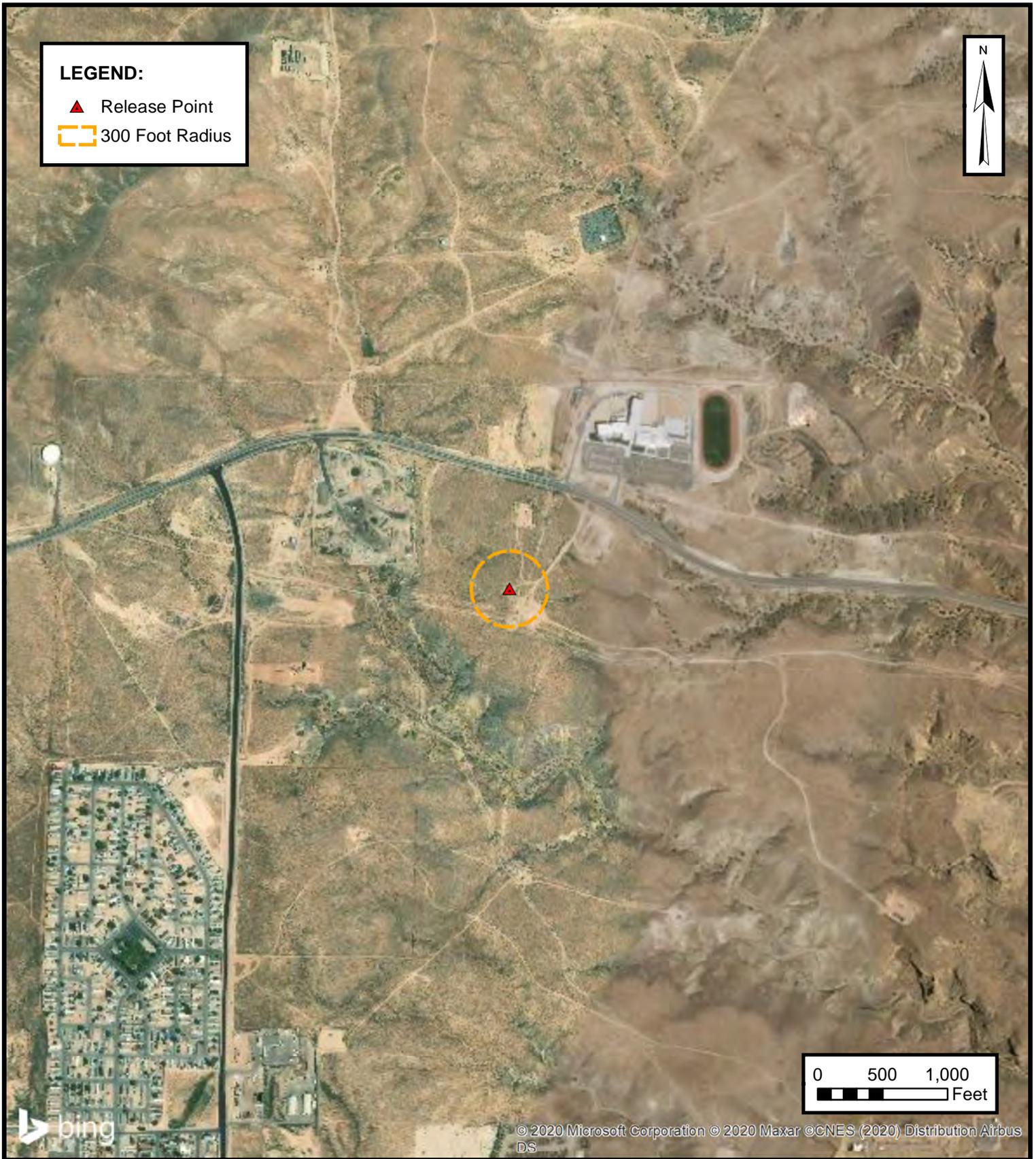
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**300 FOOT RADIUS
WATERCOURSE AND DRAINAGE IDENTIFICATION**

ENTERPRISE FIELD SERVICES, LLC
LATERAL 5A-2 Y-1 CONDENSATE TANK
NE ¼ of S1, T29N, R14W, San Juan County, New Mexico
36.758648° N, 108.258587° W

PROJECT NUMBER: 05A1226117

**FIGURE
C**

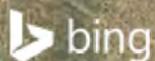
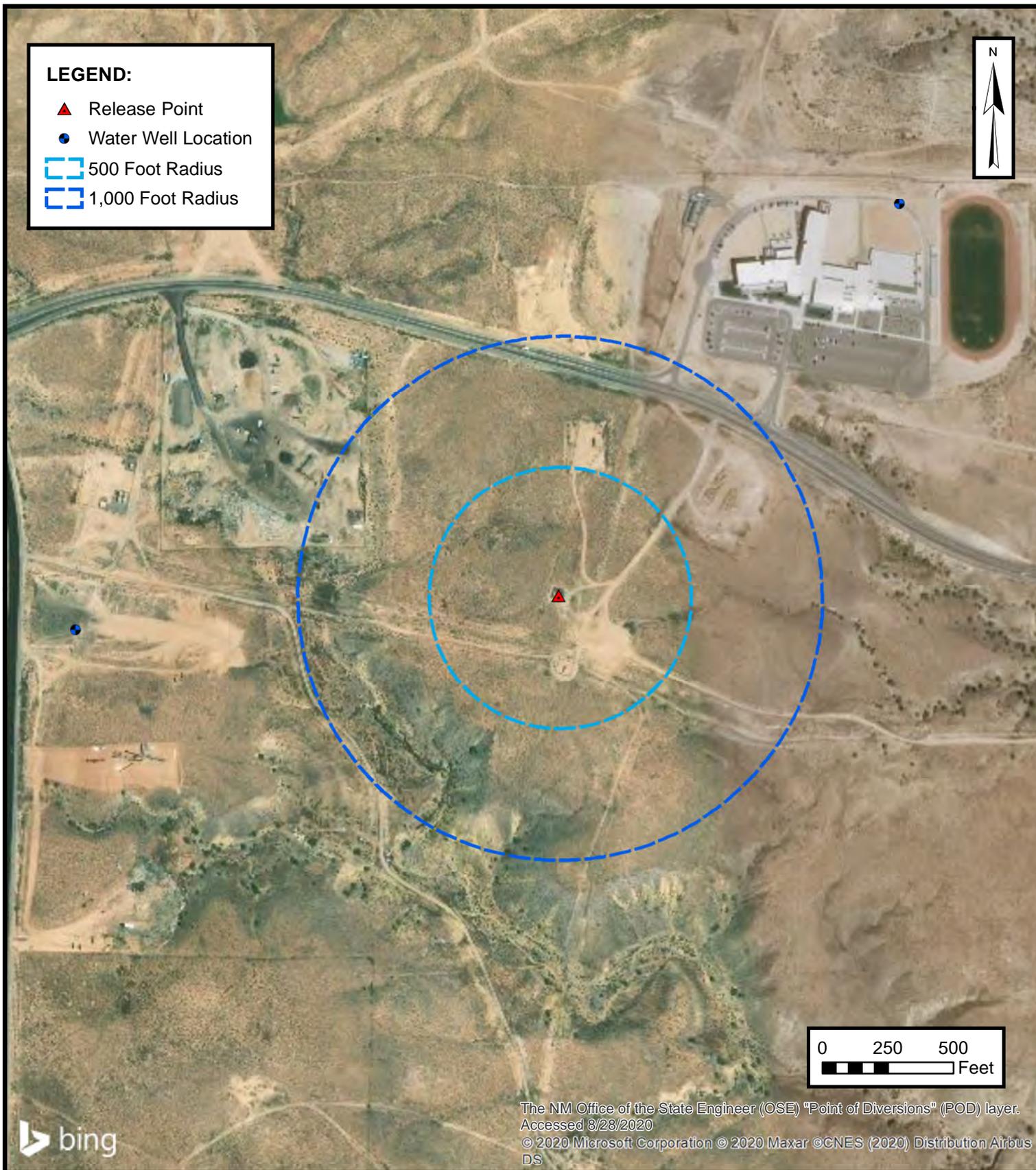


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**300 FOOT RADIUS
OCCUPIED STRUCTURE IDENTIFICATION**
ENTERPRISE FIELD SERVICES, LLC
LATERAL 5A-2 Y-1 CONDENSATE TANK
NE ¼ of S1, T29N, R14W, San Juan County, New Mexico
36.758648° N, 108.258587° W

PROJECT NUMBER: 05A1226117

**FIGURE
D**



WATER WELL AND NATURAL SPRING LOCATION

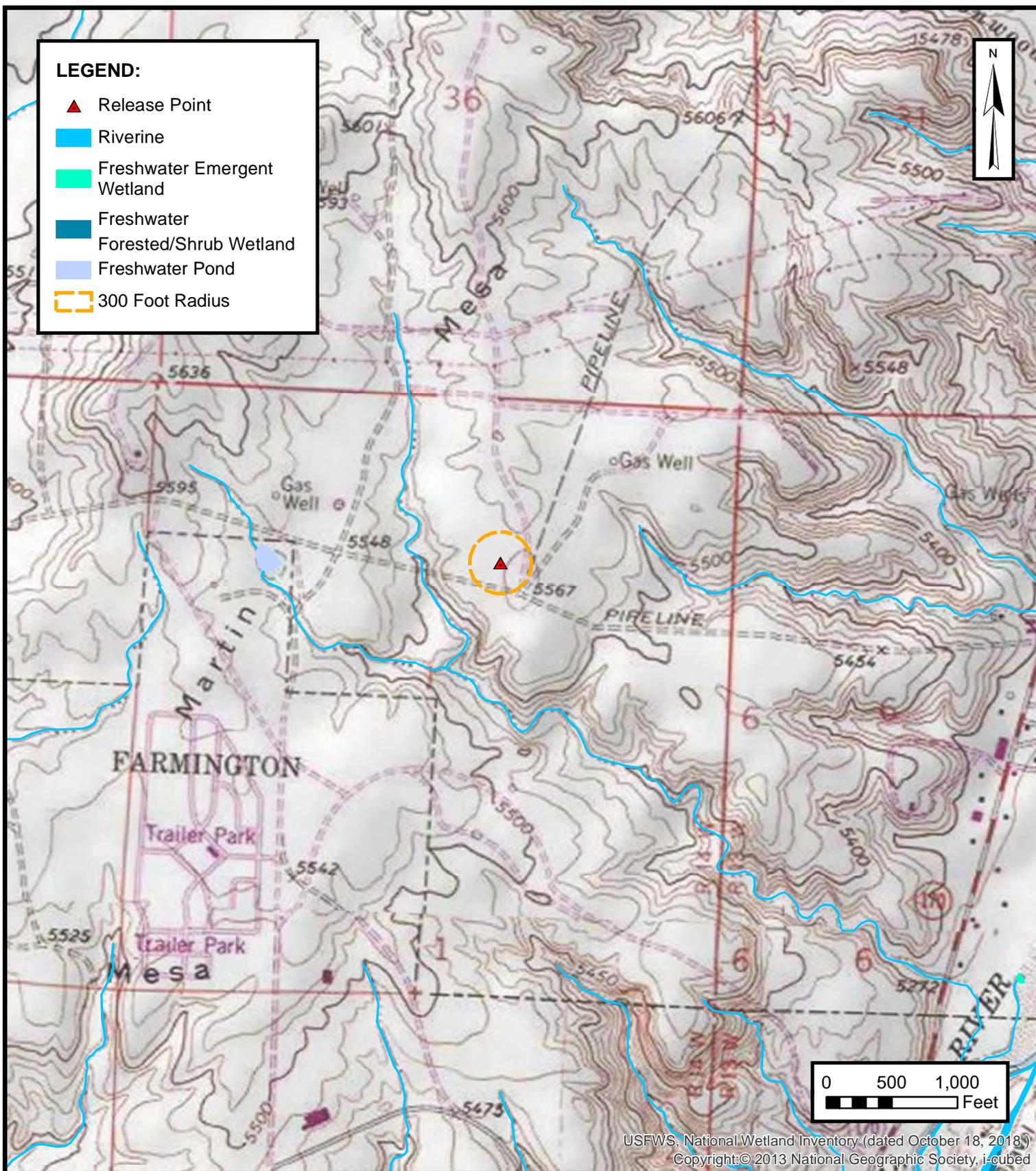
ENTERPRISE FIELD SERVICES, LLC
 LATERAL 5A-2 Y-1 CONDENSATE TANK
 NE ¼ of S1, T29N, R14W, San Juan County, New Mexico
 36.758648° N, 108.258587° W

PROJECT NUMBER: 05A1226117

**FIGURE
 E**



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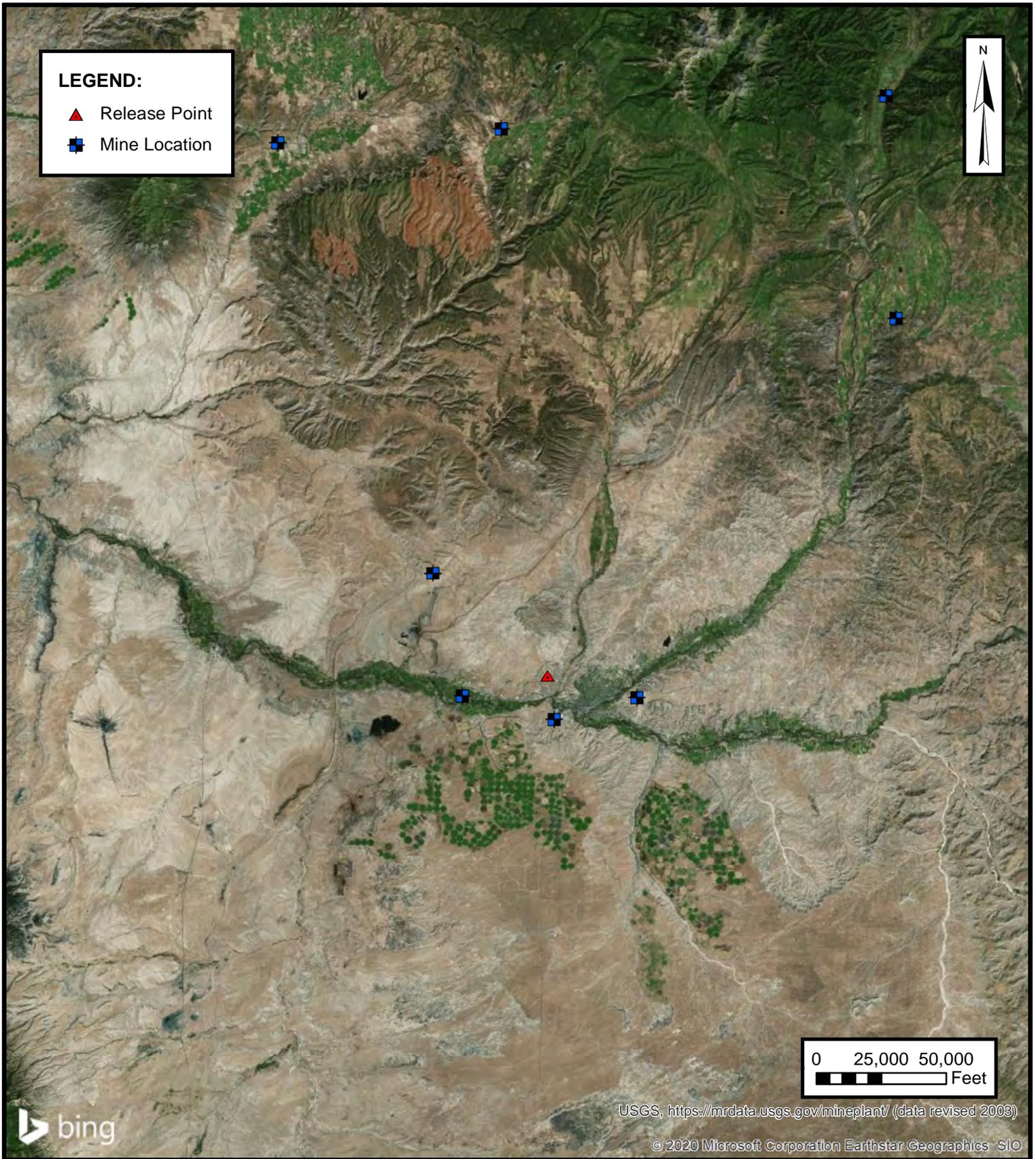
WETLANDS

ENTERPRISE FIELD SERVICES, LLC
 LATERAL 5A-2 Y-1 CONDENSATE TANK
 NE ¼ of S1, T29N, R14W, San Juan County, New Mexico
 36.758648° N, 108.258587° W

PROJECT NUMBER: 05A1226117

FIGURE

F



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MINES, MILLS AND QUARRIES

ENTERPRISE FIELD SERVICES, LLC
LATERAL 5A-2 Y-1 CONDENSATE TANK
NE ¼ of S1, T29N, R14W, San Juan County, New Mexico
36.758648° N, 108.258587° W

PROJECT NUMBER: 05A1226117

FIGURE

G



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100-YEAR FLOOD PLAIN MAP

ENTERPRISE FIELD SERVICES, LLC
LATERAL 5A-2 Y-1 CONDENSATE TANK
NE ¼ of S1, T29N, R14W, San Juan County, New Mexico
36.758648° N, 108.258587° W

PROJECT NUMBER: 05A1226117

FIGURE
H



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

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

(R=POD has been replaced,
O=orphaned,
C=the file is closed) (quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
SJ 03784 POD1	SJM3	SJ		4	3	4	12	29N	14W	208210	4070365	32	20	12
SJ 04192 POD1	SJM3	SJ		4	4	11		29N	14W	207754	4070631	650	250	400

Average Depth to Water: **135 feet**
 Minimum Depth: **20 feet**
 Maximum Depth: **250 feet**

Record Count: 2

PLSS Search:

Section(s): 1, 2, 11, 12 **Township:** 29N **Range:** 14W

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.



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

(R=POD has been replaced,
 O=orphaned,
 C=the file is closed) (quarters are 1=NW 2=NE 3=SW 4=SE)
 (quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
SJ 02931	SJLP	SJ		2	3	4	06	29N	13W	210395	4072124*	50	12	38

Average Depth to Water: **12 feet**
 Minimum Depth: **12 feet**
 Maximum Depth: **12 feet**

Record Count: 1

PLSS Search:

Section(s): 6, 7 **Township:** 29N **Range:** 13W

*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.



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

No records found.

PLSS Search:

Section(s): 31

Township: 30N

Range: 13W

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

10/1/20 2:46 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): 35, 36

Township: 30N

Range: 14W

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.



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
20 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
Invoicing Information
PayKeyRB21200

2. **Originating Site:**
Lateral 5A-2 Y-1 Tank

3. **Location of Material (Street Address, City, State or ULSTR):**
UL H Section 1 T29N R14W; 36.758648, -107.258587

4. **Source and Description of Waste:**
Source: Hydrocarbon impacted soil/gravel.
Description: Hydrocarbon impacted soil/gravel associated with remediation activities from a condensate tank release.
Estimated Volume 50 yd³ bbls Known Volume (to be entered by the operator at the end of the haul) 10 yd³ bbls
Handwritten notes: 10 yds 9/28/20, 10 BBLs 10 BBLs-9/23/20

5. **GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS**
I, Thomas Long *Thomas Long*, representative or authorized agent for Enterprise Products Operating do hereby
Generator Signature
certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: (Check the appropriate classification)
 RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste. **Operator Use Only: Waste Acceptance Frequency** Monthly Weekly Per Load
 RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items)
 MSDS Information RCRA Hazardous Waste Analysis Process Knowledge Other (Provide description in Box 4)

GENERATOR 19.15.36.15 WASTE TESTING CERTIFICATION STATEMENT FOR LANDFARMS

I, Thomas Long *Thomas Long* 9-14-2020, representative for Enterprise Products Operating authorizes IEI, Inc. to complete
Generator Signature
the required testing/sign the Generator Waste Testing Certification.
I, _____, representative for IEI, Inc. do hereby certify that representative samples of the oil field waste have been subjected to the paint filter test and tested for chloride content and that the samples have been found to conform to the specific requirements applicable to landfarms pursuant to Section 15 of 19.15.36 NMAC. The results of the representative samples are attached to demonstrate the above-described waste conform to the requirements of Section 15 of 19.15.36 NMAC.

5. **Transporter: TBD**



OCD Permitted Surface Waste Management Facility
Name and Facility Permit #: JFJ Landfarm/Industrial Ecosystems, Inc. * Permit #: NM 01-0010B
Address of Facility: #49 CR 2150 Aztec, New Mexico

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: BETTY PRUDEN TITLE: Clerk DATE: 9/14
SIGNATURE: Betty Pruden TELEPHONE NO.: 505-632-1782
Surface Waste Management Facility Authorized Agent

Handwritten notes: CL-435, PH-7

Handwritten note: 9/14



APPENDIX D

Photographic Documentation

SITE PHOTOGRAPHS

Enterprise Field Services, LLC
Closure Report
Lateral 5A-2 Y-1 Condensate Tank
Ensolum Project No. 05A1226117



<p>Photograph 1</p> <p>Photograph Date: 9/16/20</p> <p>Photograph Description: View of the initial surface after removal of the secondary containment liner (facing southwest).</p>	 A wide-angle photograph showing a large, flat, sandy area under a clear blue sky. In the background, there is a fence line and some industrial structures. The ground appears to be a mix of sand and gravel.
<p>Photograph 2</p> <p>Photograph Date: 9/16/20</p> <p>Photograph Description: View of the initial surface after removal of the secondary containment liner (facing northwest).</p>	 A wide-angle photograph showing a large, flat, sandy area under a clear blue sky. In the background, there is a fence line and some industrial structures. The ground appears to be a mix of sand and gravel.
<p>Photograph 3</p> <p>Photograph Date: 9/28/20</p> <p>Photograph Description: View of the final excavation activities (facing southwest).</p>	 A wide-angle photograph showing a large, flat, sandy area under a clear blue sky. In the background, there is a fence line and some industrial structures. The ground appears to be a mix of sand and gravel.

SITE PHOTOGRAPHS

Enterprise Field Services, LLC
Closure Report
Lateral 5A-2 Y-1 Condensate Tank
Ensolum Project No. 05A1226117



Photograph 4

Photograph Date: 9/28/20

Photograph Description View of the final excavation activities (facing northwest).



Photograph 5

Photograph Date: 9/28/20

Photograph Description: View of the final excavation activities (facing northeast).





APPENDIX E

Table 1 – Soil Analytical Summary

TABLE 1
Lateral 5A-2 Y-1 Condensate Tank
SOIL ANALYTICAL SUMMARY

Sample I.D.	Date	Sample Type C - Composite G - Grab	Sample Depth (feet bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH MRO (mg/kg)	Total Combined TPH (GRO/DRO/MRO) (mg/kg)	Chloride (mg/kg)
New Mexico Energy Mineral & Natural Resources Department Oil Conservation Division Closure Criteria				10	NE	NE	NE	50				100	600
Excavation Composite Soil Samples Removed by Excavation and Transported to the Landfarm													
S-1 (0 - 0.25')	9.16.2020	C	0 to 0.25	<0.024	<0.049	<0.049	<0.097	ND	<4.9	32	230	262	87
S-4 (0 - 0.25')	9.16.2020	C	0 to 0.25	<0.024	<0.048	<0.048	<0.096	ND	<4.8	20	180	200	<60
Excavation Composite Soil Samples													
S-1 (1 - 1.5')	9.28.2020	C	1 to 1.5	<0.021	<0.043	<0.043	<0.085	ND	<4.3	<9.5	<48	ND	<60
S-2 (0 - 0.25')	9.16.2020	C	0 to 0.25	<0.025	<0.049	<0.049	<0.099	ND	<4.9	<9.7	<48	ND	<60
S-3 (0 - 0.25')	9.16.2020	C	0 to 0.25	<0.024	<0.048	<0.048	<0.096	ND	<4.8	<9.6	<48	ND	<60
S-4 (0.5')	9.28.2020	C	0.25 to 0.5	<0.020	<0.041	<0.041	<0.082	ND	<4.1	<9.2	<46	ND	<60

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

ND = Not Detected above the Laboratory 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 Hydrocarbon

GRO = Gasoline Range Organics

DRO = Diesel Range Organics

MRO = Motor Oil/Lube Oil Range Organics



APPENDIX F

Laboratory Data Sheets & Chain of Custody Documentation



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

September 22, 2020

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

RE: Lateral 5A-2 Y-1

OrderNo.: 2009977

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 4 sample(s) on 9/17/2020 for the analyses presented in the following report.

This report is a revised report and it replaces the original report issued September 22, 2020.

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. 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. All samples are reported as received unless otherwise indicated.

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

Sincerely,

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

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order 2009977

Date Reported: 9/22/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-1 (0-0.25')

Project: Lateral 5A-2 Y-1

Collection Date: 9/16/2020 9:05:00 AM

Lab ID: 2009977-001

Matrix: SOIL

Received Date: 9/17/2020 8:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	87	60		mg/Kg	20	9/21/2020 6:06:02 AM	55290
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: CLP
Diesel Range Organics (DRO)	32	9.8		mg/Kg	1	9/18/2020 12:19:02 PM	55249
Motor Oil Range Organics (MRO)	230	49		mg/Kg	1	9/18/2020 12:19:02 PM	55249
Surr: DNOP	126	30.4-154		%Rec	1	9/18/2020 12:19:02 PM	55249
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/19/2020 4:17:29 PM	55234
Surr: BFB	92.1	75.3-105		%Rec	1	9/19/2020 4:17:29 PM	55234
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	9/19/2020 4:17:29 PM	55234
Toluene	ND	0.049		mg/Kg	1	9/19/2020 4:17:29 PM	55234
Ethylbenzene	ND	0.049		mg/Kg	1	9/19/2020 4:17:29 PM	55234
Xylenes, Total	ND	0.097		mg/Kg	1	9/19/2020 4:17:29 PM	55234
Surr: 4-Bromofluorobenzene	97.8	80-120		%Rec	1	9/19/2020 4:17:29 PM	55234

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

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

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

Analytical Report

Lab Order 2009977

Date Reported: 9/22/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-2 (0-0.25')

Project: Lateral 5A-2 Y-1

Collection Date: 9/16/2020 9:10:00 AM

Lab ID: 2009977-002

Matrix: SOIL

Received Date: 9/17/2020 8:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	60		mg/Kg	20	9/21/2020 6:18:26 AM	55290
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: CLP
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	9/18/2020 12:28:46 PM	55249
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/18/2020 12:28:46 PM	55249
Surr: DNOP	112	30.4-154		%Rec	1	9/18/2020 12:28:46 PM	55249
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/19/2020 4:40:53 PM	55234
Surr: BFB	86.9	75.3-105		%Rec	1	9/19/2020 4:40:53 PM	55234
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	9/19/2020 4:40:53 PM	55234
Toluene	ND	0.049		mg/Kg	1	9/19/2020 4:40:53 PM	55234
Ethylbenzene	ND	0.049		mg/Kg	1	9/19/2020 4:40:53 PM	55234
Xylenes, Total	ND	0.099		mg/Kg	1	9/19/2020 4:40:53 PM	55234
Surr: 4-Bromofluorobenzene	99.5	80-120		%Rec	1	9/19/2020 4:40:53 PM	55234

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

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

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

Analytical Report

Lab Order 2009977

Date Reported: 9/22/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-3 (0-0.25')

Project: Lateral 5A-2 Y-1

Collection Date: 9/16/2020 9:15:00 AM

Lab ID: 2009977-003

Matrix: SOIL

Received Date: 9/17/2020 8:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	60		mg/Kg	20	9/21/2020 6:30:51 AM	55290
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: CLP
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	9/18/2020 12:38:32 PM	55249
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/18/2020 12:38:32 PM	55249
Surr: DNOP	131	30.4-154		%Rec	1	9/18/2020 12:38:32 PM	55249
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	9/19/2020 5:04:20 PM	55234
Surr: BFB	89.3	75.3-105		%Rec	1	9/19/2020 5:04:20 PM	55234
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	9/19/2020 5:04:20 PM	55234
Toluene	ND	0.048		mg/Kg	1	9/19/2020 5:04:20 PM	55234
Ethylbenzene	ND	0.048		mg/Kg	1	9/19/2020 5:04:20 PM	55234
Xylenes, Total	ND	0.096		mg/Kg	1	9/19/2020 5:04:20 PM	55234
Surr: 4-Bromofluorobenzene	103	80-120		%Rec	1	9/19/2020 5:04:20 PM	55234

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

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

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

Analytical Report

Lab Order 2009977

Date Reported: 9/22/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-4 (0-0.25')

Project: Lateral 5A-2 Y-1

Collection Date: 9/16/2020 9:20:00 AM

Lab ID: 2009977-004

Matrix: SOIL

Received Date: 9/17/2020 8:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	60		mg/Kg	20	9/21/2020 7:08:05 AM	55290
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: CLP
Diesel Range Organics (DRO)	20	10		mg/Kg	1	9/18/2020 12:48:16 PM	55249
Motor Oil Range Organics (MRO)	180	50		mg/Kg	1	9/18/2020 12:48:16 PM	55249
Surr: DNOP	119	30.4-154		%Rec	1	9/18/2020 12:48:16 PM	55249
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	9/19/2020 5:27:45 PM	55234
Surr: BFB	85.5	75.3-105		%Rec	1	9/19/2020 5:27:45 PM	55234
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	9/19/2020 5:27:45 PM	55234
Toluene	ND	0.048		mg/Kg	1	9/19/2020 5:27:45 PM	55234
Ethylbenzene	ND	0.048		mg/Kg	1	9/19/2020 5:27:45 PM	55234
Xylenes, Total	ND	0.096		mg/Kg	1	9/19/2020 5:27:45 PM	55234
Surr: 4-Bromofluorobenzene	100	80-120		%Rec	1	9/19/2020 5:27:45 PM	55234

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

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

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#: 2009977

09-Oct-20

Client: ENSOLUM
Project: Lateral 5A-2 Y-1

Sample ID	MB-55290	SampType:	mblk	TestCode:	EPA Method 300.0: Anions					
Client ID:	PBS	Batch ID:	55290	RunNo:	72001					
Prep Date:	9/20/2020	Analysis Date:	9/21/2020	SeqNo:	2520921	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	LCS-55290	SampType:	lcs	TestCode:	EPA Method 300.0: Anions					
Client ID:	LCSS	Batch ID:	55290	RunNo:	72001					
Prep Date:	9/20/2020	Analysis Date:	9/21/2020	SeqNo:	2520922	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	91.4	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
- 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#: 2009977

09-Oct-20

Client: ENSOLUM
Project: Lateral 5A-2 Y-1

Sample ID MB-55249	SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 55249		RunNo: 71976							
Prep Date: 9/17/2020	Analysis Date: 9/18/2020		SeqNo: 2519580		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	13		10.00		133	30.4	154			

Sample ID LCS-55249	SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 55249		RunNo: 71976							
Prep Date: 9/17/2020	Analysis Date: 9/18/2020		SeqNo: 2519583		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	61	10	50.00	0	122	70	130			
Surr: DNOP	6.3		5.000		126	30.4	154			

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
- 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#: 2009977

09-Oct-20

Client: ENSOLUM
Project: Lateral 5A-2 Y-1

Sample ID	mb-55234	SampType:	MBLK	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	PBS	Batch ID:	55234	RunNo:	71993					
Prep Date:	9/17/2020	Analysis Date:	9/19/2020	SeqNo:	2520089	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	890		1000		89.3	75.3	105			

Sample ID	ics-55234	SampType:	LCS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	LCSS	Batch ID:	55234	RunNo:	71993					
Prep Date:	9/17/2020	Analysis Date:	9/19/2020	SeqNo:	2520113	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	100	72.5	106			
Surr: BFB	1000		1000		105	75.3	105			

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
- 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#: 2009977

09-Oct-20

Client: ENSOLUM
Project: Lateral 5A-2 Y-1

Sample ID	mb-55234	SampType:	MBLK	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	PBS	Batch ID:	55234	RunNo:	71993					
Prep Date:	9/17/2020	Analysis Date:	9/19/2020	SeqNo:	2520171	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		100	80	120			

Sample ID	LCS-55234	SampType:	LCS	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	LCSS	Batch ID:	55234	RunNo:	71993					
Prep Date:	9/17/2020	Analysis Date:	9/19/2020	SeqNo:	2520172	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.97	0.025	1.000	0	97.0	80	120			
Toluene	1.0	0.050	1.000	0	101	80	120			
Ethylbenzene	1.0	0.050	1.000	0	101	80	120			
Xylenes, Total	3.1	0.10	3.000	0	103	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		101	80	120			

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
- 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: 2009977 RptNo: 1

Received By: **Scott Anderson** 9/17/2020 8:10:00 AM

Completed By: **Juan Rojas** 9/17/2020 9:22:37 AM

Reviewed By: *SPA 9.17.20*

Juan Rojas

Chain of Custody

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

Log In

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

of preserved bottles checked for pH: _____
 (≤2 or >12 unless noted)
 Adjusted? _____
 Checked by: *CNC 9/17/20*

Special Handling (if applicable)

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

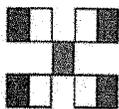
Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.5	Good				

HALL ENVIRONMENTAL ANALYSIS LABORATORY



www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Chain-of-Custody Record

Client: Engelmann LLC
 Mailing Address: 666 S. Rio Grande Suite A
Apex NM 87412
 Phone #: 505
 email or Fax#: K.Summers@engelman.com

QA/QC Package:
 Standard Level 4 (Full Validation)
 Accreditation: Az Compliance Other
 NELAC Other
 EDD (Type)

Turn-Around Time:
 Standard Rush 3 day
 Project Name:
Lateral SA-2Y-1
 Project #:
See Notes

Project Manager:
K. Summers
 Sampler: L. Daniel
 On Ice: Yes No
 # of Coolers: 1

Cooler Temp (including CP): 3.3 to 2.35 (°C)
 Container Type and #
 Preservative Type
 HEAL No.
1402 JAF COOL 2000977
1402 JAF COOL -001
1402 JAF COOL -002
1402 JAF COOL -003
1402 JAF COOL -004

Analysis Request	
BTEX / MTBE / TMS (6021)	X
TPH:8015D(GRO / DRO / MRO)	X
8081 Pesticides/8082 PCBs	X
EDB (Method 504.1)	X
PAHs by 8310 or 8270SIMS	X
RCRA 8 Metals	X
Cl, F, Br, NO ₃ , NO ₂ , PO ₄ , SO ₄	X
8260 (VOA)	X
8270 (Semi-VOA)	X
Total Coliform (Present/Absent)	

Received by: SPA Courier Date: 9.17.20 Time: 8:10
 Relinquished by: [Signature]
 Received by: PM Tam Long Date: Time:
 Relinquished by:
 Remarks: 3 - Day
Pay Key - RB21200
(EPROD)



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

October 02, 2020

Kyle Summers

ENSOLUM

606 S. Rio Grande Suite A

Aztec, NM 87410

TEL: (903) 821-5603

FAX

RE: Lateral 5A 2 Y 1

OrderNo.: 2009H06

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 2 sample(s) on 9/29/2020 for the analyses presented in the following report.

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

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

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

Sincerely,

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

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order **2009H06**

Date Reported: **10/2/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-1 (1-1.5')

Project: Lateral 5A 2 Y 1

Collection Date: 9/28/2020 10:40:00 AM

Lab ID: 2009H06-001

Matrix: MEOH (SOIL) **Received Date:** 9/29/2020 8:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	9/29/2020 12:34:07 PM	55518
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	9/29/2020 10:14:32 AM	55507
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/29/2020 10:14:32 AM	55507
Surr: DNOP	101	30.4-154		%Rec	1	9/29/2020 10:14:32 AM	55507
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.3		mg/Kg	1	9/29/2020 9:14:51 AM	G72230
Surr: BFB	90.4	75.3-105		%Rec	1	9/29/2020 9:14:51 AM	G72230
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.021		mg/Kg	1	9/29/2020 9:14:51 AM	B72230
Toluene	ND	0.043		mg/Kg	1	9/29/2020 9:14:51 AM	B72230
Ethylbenzene	ND	0.043		mg/Kg	1	9/29/2020 9:14:51 AM	B72230
Xylenes, Total	ND	0.085		mg/Kg	1	9/29/2020 9:14:51 AM	B72230
Surr: 4-Bromofluorobenzene	101	80-120		%Rec	1	9/29/2020 9:14:51 AM	B72230

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	

Analytical Report

Lab Order **2009H06**

Date Reported: **10/2/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-4 (0.5')

Project: Lateral 5A 2 Y 1

Collection Date: 9/28/2020 10:45:00 AM

Lab ID: 2009H06-002

Matrix: MEOH (SOIL) **Received Date:** 9/29/2020 8:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	9/29/2020 12:46:27 PM	55518
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	9/29/2020 10:38:26 AM	55507
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	9/29/2020 10:38:26 AM	55507
Surr: DNOP	101	30.4-154		%Rec	1	9/29/2020 10:38:26 AM	55507
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.1		mg/Kg	1	9/29/2020 9:38:28 AM	G72230
Surr: BFB	85.0	75.3-105		%Rec	1	9/29/2020 9:38:28 AM	G72230
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.020		mg/Kg	1	9/29/2020 9:38:28 AM	B72230
Toluene	ND	0.041		mg/Kg	1	9/29/2020 9:38:28 AM	B72230
Ethylbenzene	ND	0.041		mg/Kg	1	9/29/2020 9:38:28 AM	B72230
Xylenes, Total	ND	0.082		mg/Kg	1	9/29/2020 9:38:28 AM	B72230
Surr: 4-Bromofluorobenzene	98.0	80-120		%Rec	1	9/29/2020 9:38:28 AM	B72230

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		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2009H06

02-Oct-20

Client: ENSOLUM
Project: Lateral 5A 2 Y 1

Sample ID: MB-55518	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 55518	RunNo: 72231								
Prep Date: 9/29/2020	Analysis Date: 9/29/2020	SeqNo: 2534523	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-55518	SampType: ics	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 55518	RunNo: 72231								
Prep Date: 9/29/2020	Analysis Date: 9/29/2020	SeqNo: 2534524	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	96.3	90	110			

Sample ID: MB-55518	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 55518	RunNo: 72232								
Prep Date: 9/29/2020	Analysis Date: 9/29/2020	SeqNo: 2534647	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-55518	SampType: ics	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 55518	RunNo: 72232								
Prep Date: 9/29/2020	Analysis Date: 9/29/2020	SeqNo: 2534648	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	96.0	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
- 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#: 2009H06

02-Oct-20

Client: ENSOLUM
Project: Lateral 5A 2 Y 1

Sample ID: LCS-55507	SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 55507		RunNo: 72214							
Prep Date: 9/29/2020	Analysis Date: 9/29/2020		SeqNo: 2532256		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	10	50.00	0	94.7	70	130			
Surr: DNOP	4.9		5.000		97.8	30.4	154			

Sample ID: MB-55507	SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 55507		RunNo: 72214							
Prep Date: 9/29/2020	Analysis Date: 9/29/2020		SeqNo: 2532257		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	9.7		10.00		97.2	30.4	154			

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
- 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#: 2009H06

02-Oct-20

Client: ENSOLUM
Project: Lateral 5A 2 Y 1

Sample ID: mb1	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: G72230	RunNo: 72230								
Prep Date:	Analysis Date: 9/29/2020	SeqNo: 2533677	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	910		1000		91.3	75.3	105			

Sample ID: 2.5ug gro lcs	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: G72230	RunNo: 72230								
Prep Date:	Analysis Date: 9/29/2020	SeqNo: 2533678	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	5.0	25.00	0	83.0	72.5	106			
Surr: BFB	1100		1000		107	75.3	105			S

Sample ID: 2009h06-001ams	SampType: MS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: S-1 (1-1.5')	Batch ID: G72230	RunNo: 72230								
Prep Date:	Analysis Date: 9/29/2020	SeqNo: 2533679	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	18	4.3	21.28	0	85.1	61.3	114			
Surr: BFB	830		851.1		97.3	75.3	105			

Sample ID: 2009h06-001amsd	SampType: MSD	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: S-1 (1-1.5')	Batch ID: G72230	RunNo: 72230								
Prep Date:	Analysis Date: 9/29/2020	SeqNo: 2533680	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	18	4.3	21.28	0	84.6	61.3	114	0.613	20	
Surr: BFB	860		851.1		101	75.3	105	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
- 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#: 2009H06

02-Oct-20

Client: ENSOLUM
Project: Lateral 5A 2 Y 1

Sample ID: mb1	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: B72230	RunNo: 72230								
Prep Date:	Analysis Date: 9/29/2020	SeqNo: 2533683	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		102	80	120			

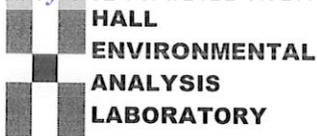
Sample ID: 100ng btex lcs	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: B72230	RunNo: 72230								
Prep Date:	Analysis Date: 9/29/2020	SeqNo: 2533684	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.97	0.025	1.000	0	96.7	80	120			
Toluene	1.0	0.050	1.000	0	101	80	120			
Ethylbenzene	1.0	0.050	1.000	0	102	80	120			
Xylenes, Total	3.0	0.10	3.000	0	102	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		104	80	120			

Sample ID: 2009h06-002ams	SampType: MS	TestCode: EPA Method 8021B: Volatiles								
Client ID: S-4 (0.5')	Batch ID: B72230	RunNo: 72230								
Prep Date:	Analysis Date: 9/29/2020	SeqNo: 2533685	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.74	0.020	0.8177	0	90.5	76.3	120			
Toluene	0.76	0.041	0.8177	0	93.2	78.5	120			
Ethylbenzene	0.77	0.041	0.8177	0	94.0	78.1	124			
Xylenes, Total	2.3	0.082	2.453	0	94.7	79.3	125			
Surr: 4-Bromofluorobenzene	0.88		0.8177		108	80	120			

Sample ID: 2009h06-002amsd	SampType: MSD	TestCode: EPA Method 8021B: Volatiles								
Client ID: S-4 (0.5')	Batch ID: B72230	RunNo: 72230								
Prep Date:	Analysis Date: 9/29/2020	SeqNo: 2533686	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.81	0.020	0.8177	0	99.0	76.3	120	9.01	20	
Toluene	0.84	0.041	0.8177	0	103	78.5	120	9.87	20	
Ethylbenzene	0.85	0.041	0.8177	0	104	78.1	124	10.1	20	
Xylenes, Total	2.6	0.082	2.453	0	104	79.3	125	9.56	20	
Surr: 4-Bromofluorobenzene	0.90		0.8177		109	80	120	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
- 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: 2009H06 RcptNo: 1

Received By: Cheyenne Cason 9/29/2020 8:10:00 AM

Completed By: Isaiah Ortiz 9/29/2020 8:11:36 AM

Reviewed By: DAD 9/29/20

IOX

Chain of Custody

- 1. Is Chain of Custody complete? Yes [checked] No [] Not Present []
2. How was the sample delivered? Courier

Log In

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

of preserved bottles checked for pH:
(<2 or >12 unless noted)
Adjusted?
Checked by: [signature] 9/29/20

Special Handling (if applicable)

- 15. Was client notified of all discrepancies with this order? Yes [] No [] NA [checked]

Person Notified: [] Date: []
By Whom: [] Via: [] eMail [] Phone [] Fax [] In Person []
Regarding: []
Client Instructions: []

16. Additional remarks:

17. Cooler Information

Table with 7 columns: Cooler No, Temp °C, Condition, Seal Intact, Seal No, Seal Date, Signed By. Row 1: 1, 1.6, Good, Yes, [], [], []



APPENDIX G

Regulatory Correspondence

From: [Long, Thomas](#)
To: ["Smith, Cory, EMNRD \(Cory.Smith@state.nm.us\)"](#)
Cc: [Stone, Brian](#)
Subject: FW: Lateral 5A-2 Y-1 Condensate Tank Release - UL G Section 1 T29N R14W; 36.758648, -108.258587
Date: Wednesday, September 30, 2020 7:22:00 AM
Attachments: [Lateral 5A 2 Y 1.pdf](#)
[Lateral 5A 2 Y 1.pdf](#)

Cory,

Please find the attached site sketch and lab report for the Lateral 5A-2 Y-1 release site. All samples are below the Tier I NMOCD remediation standards. Enterprise will backfill the area and re-install the secondary containment system and condensate tank. 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: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>
Sent: Wednesday, September 23, 2020 7:50 AM
To: Long, Thomas <tjlong@eprod.com>
Subject: [EXTERNAL] RE: Lateral 5A-2 Y-1 Condensate Tank Release - UL G Section 1 T29N R14W; 36.758648, -108.258587

[Use caution with links/attachments]

Tom,

Thanks for the update

Cory Smith
Environmental Specialist
Oil Conservation Division
Energy, Minerals, & Natural Resources
1000 Rio Brazos, Aztec, NM 87410
(505)334-6178 ext 115
cory.smith@state.nm.us

From: Long, Thomas <tjlong@eprod.com>
Sent: Tuesday, September 22, 2020 3:21 PM
To: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>
Cc: Stone, Brian <bmstone@eprod.com>
Subject: [EXT] FW: Lateral 5A-2 Y-1 Condensate Tank Release - UL G Section 1 T29N R14W; 36.758648, -108.258587

Cory,

Please find the attached site sketch and lab report for the Lateral 5A-2 release site. Sample Areas S-1 and S-4 are above Tier I NMOCD remediation standards. Enterprise will excavate and resample in these areas. I will inform you when sampling is scheduled. 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: Monday, September 14, 2020 1:58 PM
To: 'Smith, Cory, EMNRD (Cory.Smith@state.nm.us)' <Cory.Smith@state.nm.us>
Cc: Stone, Brian <bmstone@eprod.com>
Subject: FW: Lateral 5A-2 Y-1 Condensate Tank Release - UL G Section 1 T29N R14W; 36.758648, -108.258587

Cory,

This email is a notification that Enterprise has removed the liner at the Lateral 5A-2 Y-1 release site and that Enterprise will be collecting soil samples for laboratory analysis on Wednesday, September 16, 2020 at 9:00 a.m. There were some small holes in the liner, but it is believed to have occurred when the gravel was removed. The soil beneath the liner appears unaffected by the release. I have attached pictures. The fluids on the soil is rain water. If you have any questions, please call or email.

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From: Long, Thomas
Sent: Friday, August 21, 2020 10:32 AM
To: 'Smith, Cory, EMNRD (Cory.Smith@state.nm.us)' <Cory.Smith@state.nm.us>
Cc: Stone, Brian <bmstone@eprod.com>
Subject: Lateral 5A-2 Y-1 Condensate Tank Release - UL G Section 1 T29N R14W; 36.758648, -108.258587

Cory,

This email is a notification that Entperise had a release of condensate at the Lateral 5A-2 Y-1 Tank. The tank is located at UL G Section 1 T29N R14W; 36.758648, -108.258587. All fluids were released into a lined secondary containment structure. Entperise removed approximately 15 barrels of condensate from the secondary containment and transported the condensate to Blanco Storage. We have remove the gravel from the secondary containment before we can inspect the liner. I will keep you informed as to when will be ready to inspect the liner. I have attached photos. If you have any questions, please call or email.

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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.

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

CONDITIONS
 Action 19646

CONDITIONS

Operator: Enterprise Field Services, LLC PO Box 4324 Houston, TX 77210	OGRID: 241602
	Action Number: 19646
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvez	None	4/26/2022