



CLOSURE REPORT

Property:

Atlantic A #8B
Unit Letter F, S29 T31N R10W
San Juan County, New Mexico

New Mexico EMNRD OCD Incident ID No. NAPP2505538759

May 7, 2025

Ensolum Project No. 05A1226360

Prepared for:

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1.0 INTRODUCTION

1.1 Site Description & Background

Operator:	Enterprise Field Services, LLC / Enterprise Products Operating LLC (Enterprise)
Site Name:	Atlantic A #8B (Site)
NM EMNRD OCD Incident ID No.	NAPP2505538759
Location:	36.8712° North, 107.9103° West Unit Letter F, Section 29, Township 31 North, Range 10 West San Juan County, New Mexico
Property:	Bureau of Land Management (BLM)
Regulatory:	New Mexico (NM) Energy, Minerals and Natural Resources Department (EMNRD) Oil Conservation Division (OCD)

On January 13, 2025, a potential release of natural gas was discovered from the Atlantic A #8B meter tube. Enterprise subsequently isolated and locked the pipeline out of service. On January 31, 2025, Enterprise initiated activities to remediate potential petroleum hydrocarbon impact. On February 24, 2025, Enterprise determined the release was “reportable” due to the potential volume of impacted soil. The NM EMNRD OCD was subsequently notified.

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

1.2 Project Objective

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

2.0 CLOSURE CRITERIA

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

- The NM Office of the State Engineer (OSE) tracks the usage and assignment of water rights and water well installations and records this information in the Water Rights Reporting System (WRRS) database. Water wells and other points of diversion (PODs) are each assigned POD numbers in the database (which is searchable and includes an interactive map). Numerous PODs were identified in the same and adjacent PLSS sections (**Figure A, Appendix B**). The average depth to water (DTW) for these PODs is 45 feet below grade surface (bgs). The closest POD with a recorded depth to water is SJ-04328-POD9. This POD is located approximately 1.15 miles northeast of the site and is approximately 129 feet higher in elevation than the Site. The recorded DTW for this POD is 20 feet bgs. POD SJ-04328-POD10 is located approximately 1.17 miles northeast of the site and is approximately 128 feet higher in elevation

than the Site. The recorded DTW for this POD is 20 feet bgs. POD-SJ 03459 is located approximately 1.47 miles south of the site and is approximately 225 feet higher in elevation than the Site. The recorded DTW for this POD is 175 feet bgs.

- Numerous cathodic protection wells (CPW) were identified in the NM EMNRD OCD imaging database in the same and adjacent PLSS sections (**Figure B, Appendix B**). Documentation for the closest cathodic protection well (located near the Atlantic A #8A production pad) indicates a depth to water of 80 feet bgs. This CPW is located approximately 0.23 miles northwest of the Site and is approximately 100 feet higher in elevation than the Site. Documentation for the CPW located near the Atlantic A #7, #10, and #210 production pads indicates a depth to water of 60 feet below grade surface (bgs). This cathodic protection well is located approximately 0.33 miles south of the Site and is approximately 89 feet lower in elevation than the Site. Documentation for the cathodic protection well located near the Pierce #1 and #6 production pads indicates a depth to water of 260 feet below grade surface (bgs). This cathodic protection well is located approximately 0.41 miles west of the Site and is approximately 25 feet lower in elevation than the Site.
- The Site is located within 300 feet of a NM EMNRD OCD-defined significant watercourse (**Figure C, Appendix B**). A “blue line” ephemeral wash is located approximately 100 feet south of Site.
- The Site is not located within 200 feet of a lakebed, sinkhole, or playa lake.
- The Site is not located within 300 feet of a permanent residence, school, hospital, institution, or church (**Figure D, Appendix B**).
- No springs, or private domestic freshwater wells used by less than five households for domestic or stock watering purposes were identified within 500 feet of the Site (**Figure E, Appendix B**).
- No freshwater wells or springs were identified within 1,000 feet of the Site (**Figure E, Appendix B**).
- The Site is not located within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to New Mexico Statutes Annotated (NMSA) 1978, Section 3-27-3.
- Based on information identified in the U.S. Fish & Wildlife Service National Wetlands Inventory Wetlands Mapper, the Site is not within 300 feet of a wetland (**Figure F, Appendix B**). A riverine is located approximately 100 feet south of the Site. This riverine bears the “J” designation (intermittently flooded) that is generally not considered a wetland in this region. The closest wetland is a riverine located approximately 2,540 feet south of the Site.
- Based on information identified in the NM Mining and Minerals Division’s Geographic Information System (GIS) Maps and Mine Data database, the Site is not within an area overlying a subsurface mine (**Figure G, Appendix B**).
- The Site is not located within an unstable area per Paragraph (6) of Subsection U of 19.15.2.7 NMAC.
- Based on information provided by the Federal Emergency Management Agency (FEMA) National Flood Hazard Layer (NFHL) geospatial database, the Site is not within a 100-year floodplain (**Figure H, Appendix B**).

The Site is located within 300 feet of a NM EMNRD OCD-defined significant watercourse, resulting in a Tier I ranking. The closure criteria for soils remaining in place at the Site include:

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

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

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

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

3.0 SOIL REMEDIATION ACTIVITIES

On January 31, 2025, Enterprise initiated activities to remediate petroleum hydrocarbon impact resulting from the release. During the remediation and corrective action activities, Sunland Construction Services Inc. provided heavy equipment and labor support, while Ensolum provided environmental consulting support.

The excavation measured approximately 64 feet long and 26 feet wide at the maximum extents, with an approximate 1,300 ft² footprint. The maximum depth of the excavation measured approximately 7 feet bgs. The lithology encountered during the completion of remediation activities consisted primarily of silty sandy.

Approximately 528 cubic yards (yd³) of petroleum hydrocarbon-affected soils were transported to the Envirotech, Inc., (Envirotech) landfarm in San Juan County, NM for disposal/remediation. The executed C-138 solid waste acceptance form is provided in **Appendix C**. The excavation was backfilled with imported fill and then contoured to the surrounding grade.

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

4.0 SOIL SAMPLING PROGRAM

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

Ensolum's soil sampling program included the collection of 21 composite soil samples (S-1 through S-21) from the excavation and one composite sample (BF-1) from the backfill for laboratory analysis. The composite samples were comprised of five aliquots each and represent an estimated 200 square foot (ft²) or less sample area per guidelines outlined in Section D of 19.15.29.12 NMAC. Excavator bucket and/or hand tools were utilized to obtain fresh aliquots from each area of the excavation and backfill. Regulatory correspondence is provided in **Appendix E**.

Sampling Event

On February 26, 2025, sampling was performed at the Site. The NM EMNRD OCD was notified of the sampling event although no representative was present during sampling activities. Composite soil samples S-1 (7'), S-2 (7'), S-3 (7'), S-4 (5'), S-5 (5'), S-6 (5'), S-7 (5'), S-8 (5'), S-

9 (7'), S-10 (7'), and S-11 (7') were collected from the floor of the excavation. Composite soil samples S-12 (0' to 7'), S-13 (0' to 7'), S-14 (0' to 7'), S-15 (0' to 5'), S-16 (0' to 5'), S-17 (0' to 7'), S-18 (0' to 7'), S-19 (0' to 7'), S-20 (0' to 7'), and S-21 (0' to 7') were collected from the walls of the excavation. Composite soil sample BF-1 was collected from the imported fill.

All soil samples were collected and placed in laboratory-prepared glassware. The containers were labeled and sealed using the laboratory-supplied labels and custody seals and were stored on ice in a cooler. The samples were relinquished to the courier for Eurofins Environment Testing South Central, LLC (Eurofins) of Albuquerque, NM, under proper chain-of-custody procedures.

5.0 SOIL LABORATORY ANALYTICAL METHODS

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

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

6.0 SOIL DATA EVALUATION

Ensolum compared the benzene, BTEX, TPH, and chloride laboratory analytical results or laboratory practical quantitation limits (PQLs) / reporting limits (RLs) associated with the composite soil samples (S-1 through S-21 and BF-1) to the applicable NM EMNRD OCD closure criteria. Due to the high PQLs/RLs associated with the TPH MRO results when using EPA SW-846 Method 8015, Ensolum only compares the quantified TPH results to the New Mexico EMNRD OCD closure criteria. The laboratory analytical results are summarized in **Table 1 (Appendix F)**.

- The laboratory analytical results for the composite soil samples from soils remaining at the Site indicate benzene is not present at concentrations greater than the laboratory PQLs/RLs, which are less than the NM EMNRD OCD closure criteria of 10 mg/kg.
- The laboratory analytical results for the composite soil samples from soils remaining at the Site indicate total BTEX is not present at concentrations greater than the laboratory PQLs/RLs, which are less than the NM EMNRD OCD closure criteria of 50 mg/kg.
- The laboratory analytical result for composite soil sample S-7 indicate a total combined TPH GRO/DRO/MRO concentration of 3.8 mg/kg, which is less than the NM EMNRD OCD closure criteria of 100 mg/kg. The laboratory analytical results for the other composite soil samples collected from the soils remaining in place indicate total combined TPH GRO/DRO/MRO is not present at concentrations greater than the laboratory PQLs/RLs, which are less than the NM EMNRD OCD closure criteria of 100 mg/kg.
- The laboratory analytical results for the composite soil samples from soils remaining at the Site indicate chloride is not present at concentrations greater than the laboratory PQLs/RLs, which is less than the NM EMNRD OCD closure criteria of 600 mg/kg.

7.0 RECLAMATION

The excavation was backfilled with imported fill and then contoured to the surrounding grade. The backfill and the upper four feet of the excavation have been analytically verified to be below the

Tier I soil standards of 50 mg/kg BTEX, 10 mg/kg benzene, 100 mg/kg total combined TPH, and 600 mg/kg Chloride. See **APPENDIX D** and **APPENDIX F** for further documentation.

8.0 REVEGETATION

This Site is located on an active production pad. As such, Enterprise requests a variance from the revegetation requirements of 19.15.29.13 NMAC until such a time that the pad is no longer used for oil/gas production. When the pad is no longer in use, revegetation will be addressed in accordance with 19.15.29.13 NMAC utilizing the recommended seed mix as described in the guidance (Vegetation Community Descriptions and Seed Mixes) provided by the BLM Farmington Field Office. In this case the surrounding vegetation appears to be predominantly of the Sagebrush Vegetation Community. Enterprise will provide revegetation documentation under separate cover when that activity has been concluded.

9.0 FINDINGS AND RECOMMENDATION

- Twenty-two composite soil samples were collected from the Site. Based on laboratory analytical results, no benzene, BTEX, chloride, or total combined TPH GRO/DRO/MRO exceedances were identified in the soils remaining at the Site.
- Approximately 528 cubic yards (yd³) of petroleum hydrocarbon-affected soils were transported to the Envirotech landfarm for disposal/remediation.

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

10.0 STANDARDS OF CARE, LIMITATIONS, AND RELIANCE

10.1 Standard of Care

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

10.2 Limitations

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

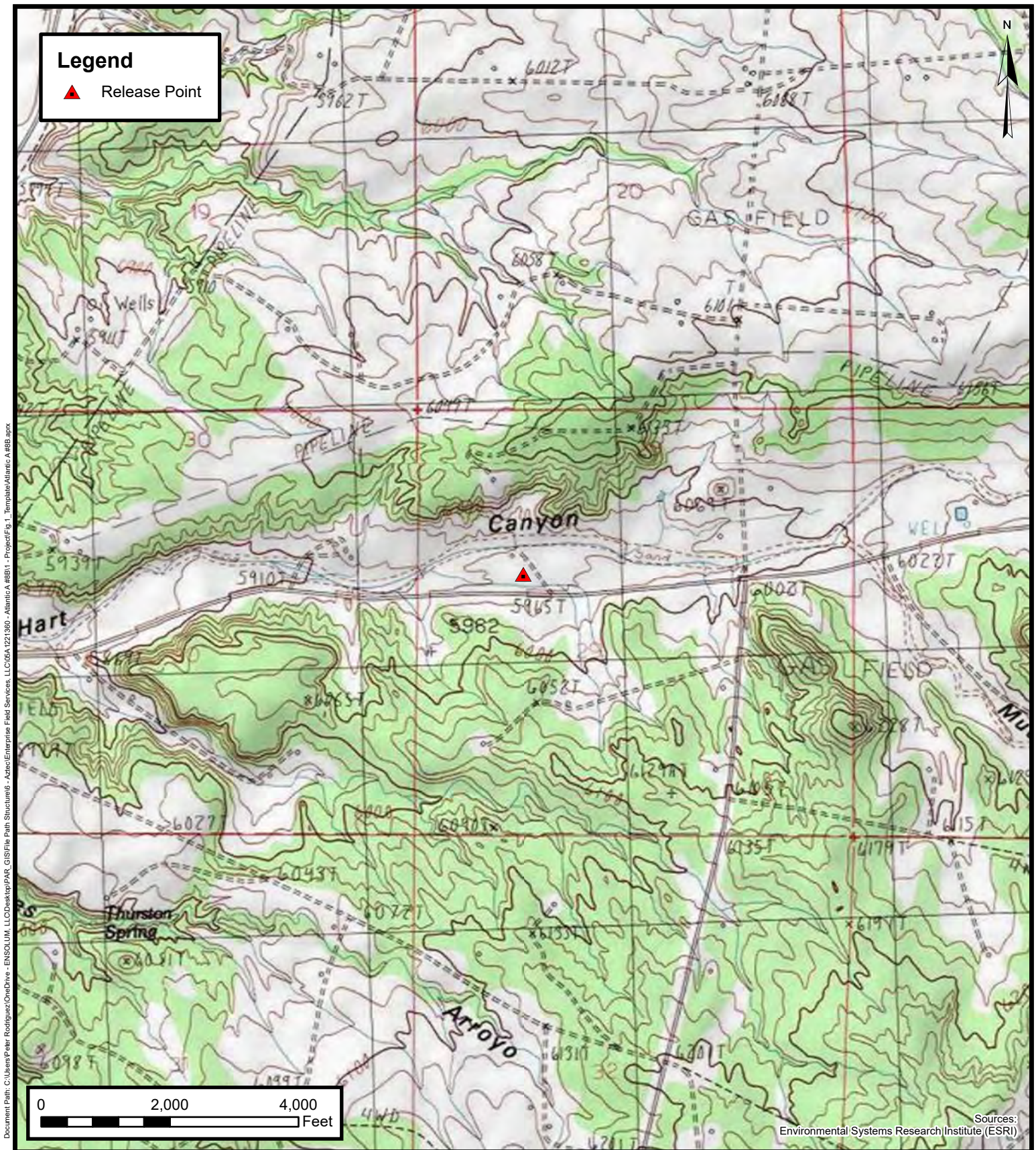
10.3 Reliance

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



APPENDIX A

Figures



Topographic Map

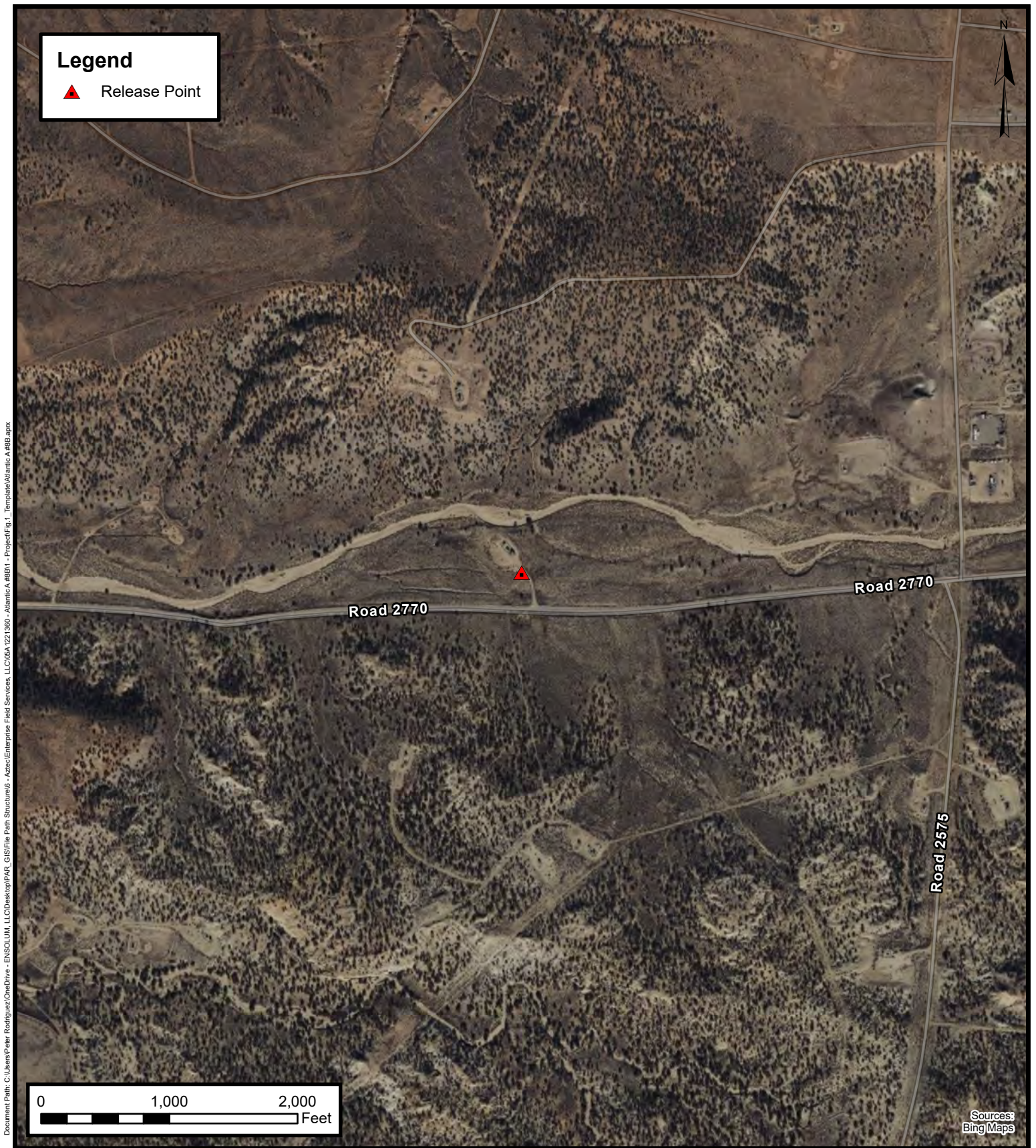
Enterprise Field Services, LLC
Atlantic A #8B

Project Number: 05A1221360

Unit Letter F, S29 T31N R10W, San Juan County, New Mexico
36.8712, -107.9103

FIGURE

1



Site Vicinity Map

Enterprise Field Services, LLC
Atlantic A #8B

Project Number: 05A1221360

Unit Letter F, S29 T31N R10W, San Juan County, New Mexico
36.8712, -107.9103

FIGURE

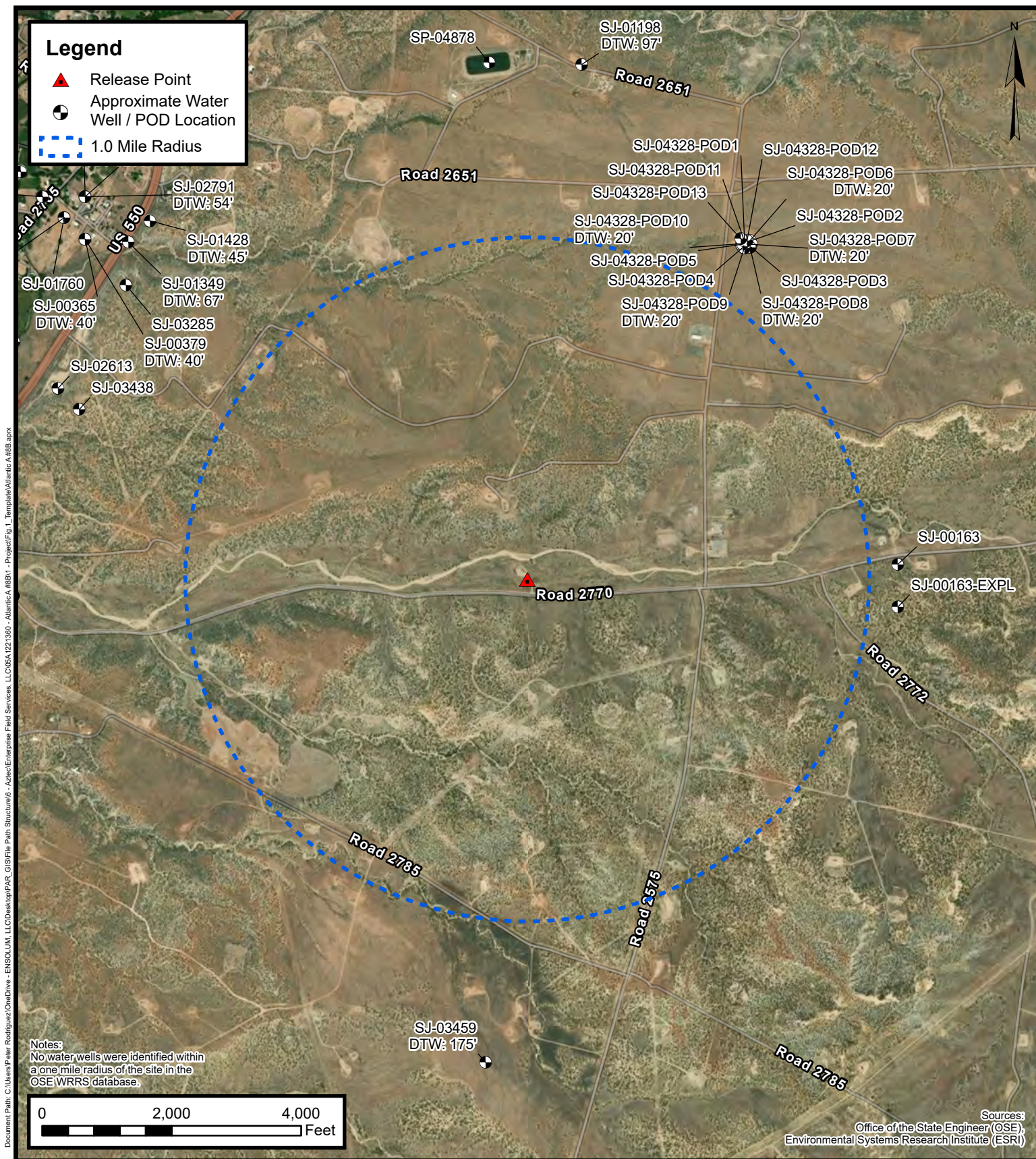
2





APPENDIX B

Siting Figures and Documentation



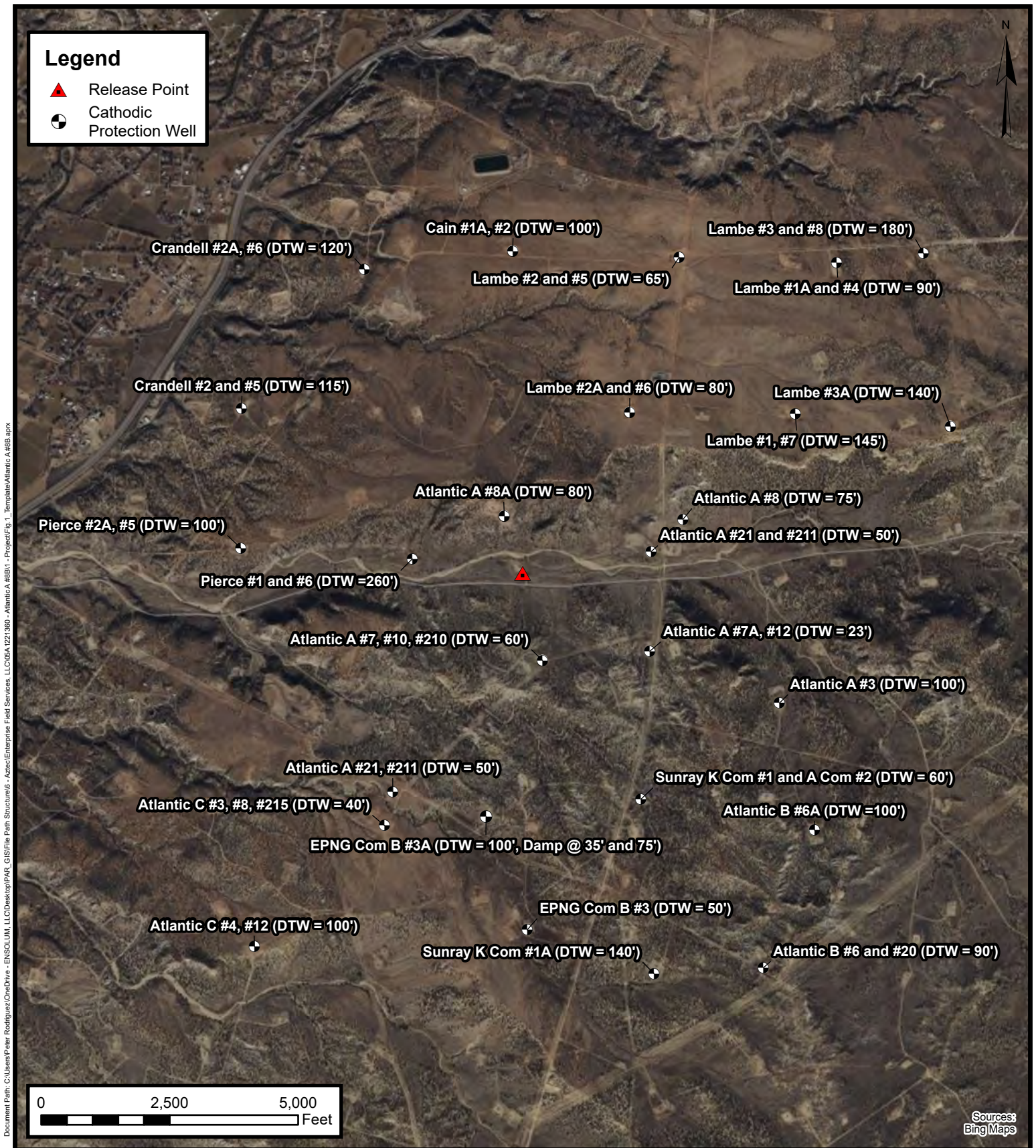
1.0 Mile Radius Water Well / POD Location Map

Enterprise Field Services, LLC
Atlantic A #8B

Project Number: 05A1221360

Unit Letter F, S29 T31N R10W, San Juan County, New Mexico
36.8712, -107.9103

FIGURE
A



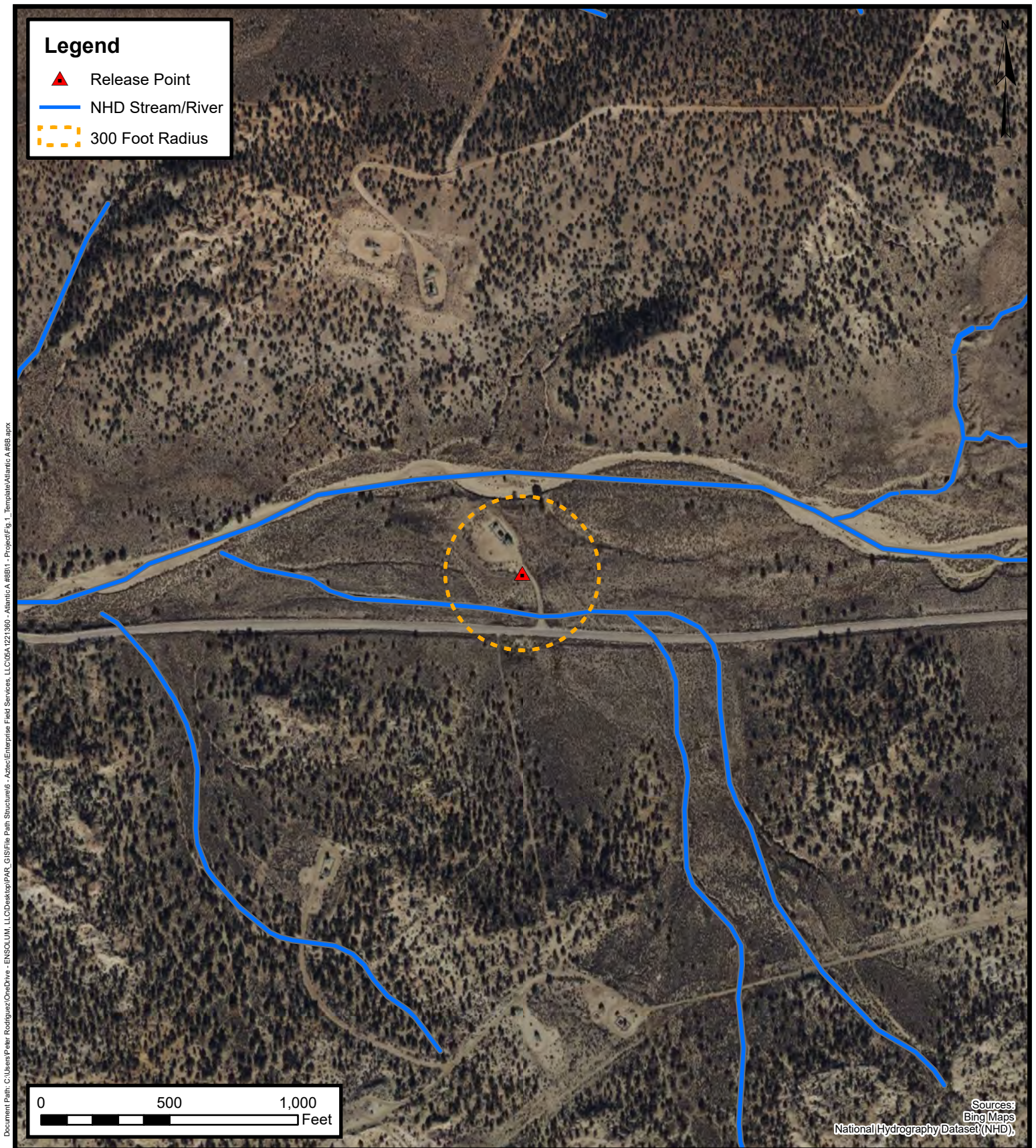
Cathodic Protection Well Recorded Depth to Water

Enterprise Field Services, LLC
Atlantic A #8B

Project Number: 05A1221360

Unit Letter F, S29 T31N R10W, San Juan County, New Mexico
36.8712, -107.9103

**FIGURE
B**



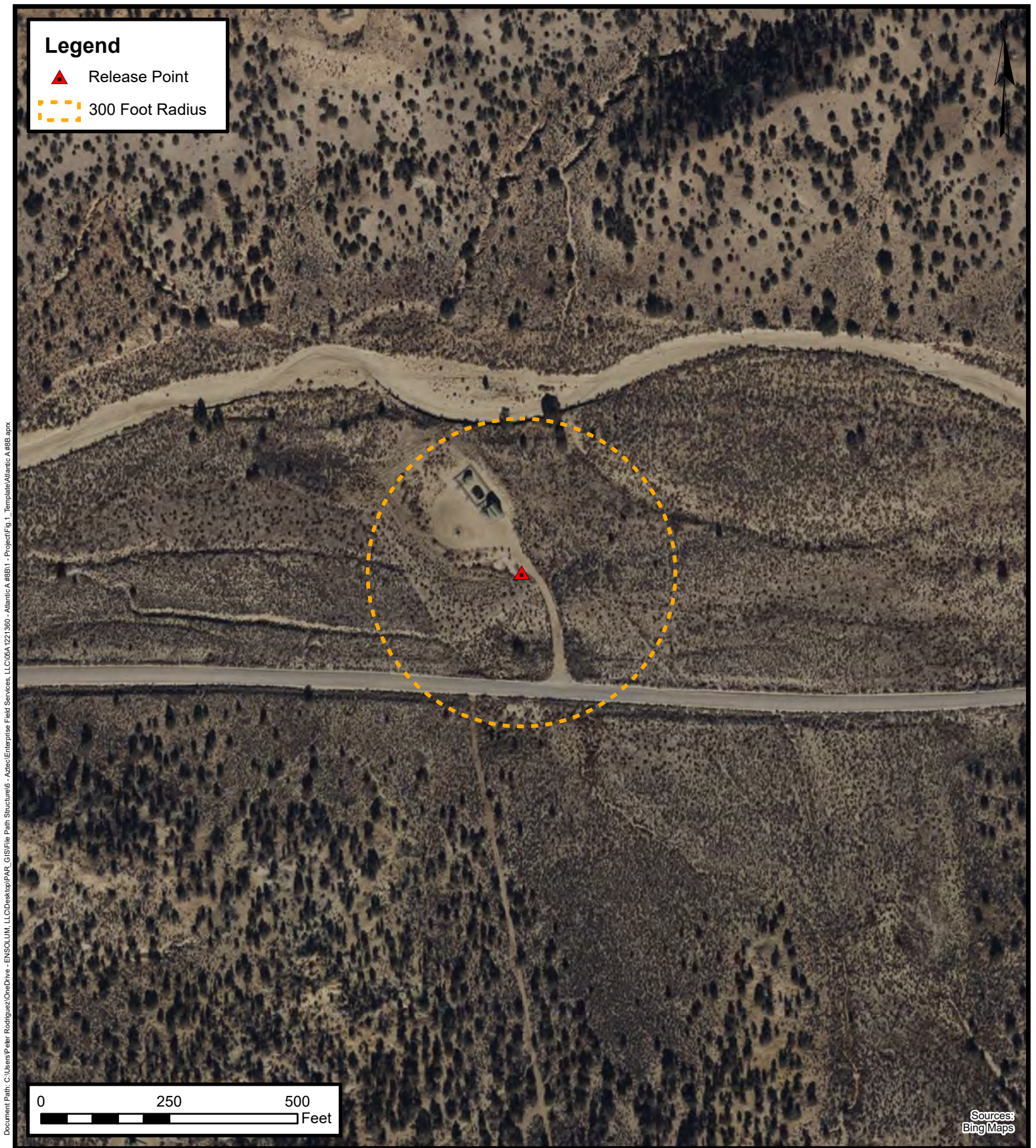
300 Foot Radius Watercourse and Drainage Identification

Enterprise Field Services, LLC
Atlantic A #8B

Project Number: 05A1221360

Unit Letter F, S29 T31N R10W, San Juan County, New Mexico
36.8712, -107.9103

FIGURE
C



**300 Foot Radius Occupied
Structure Identification**

Enterprise Field Services, LLC
Atlantic A #8B

Project Number: 05A1221360

Unit Letter F, S29 T31N R10W, San Juan County, New Mexico
36.8712, -107.9103

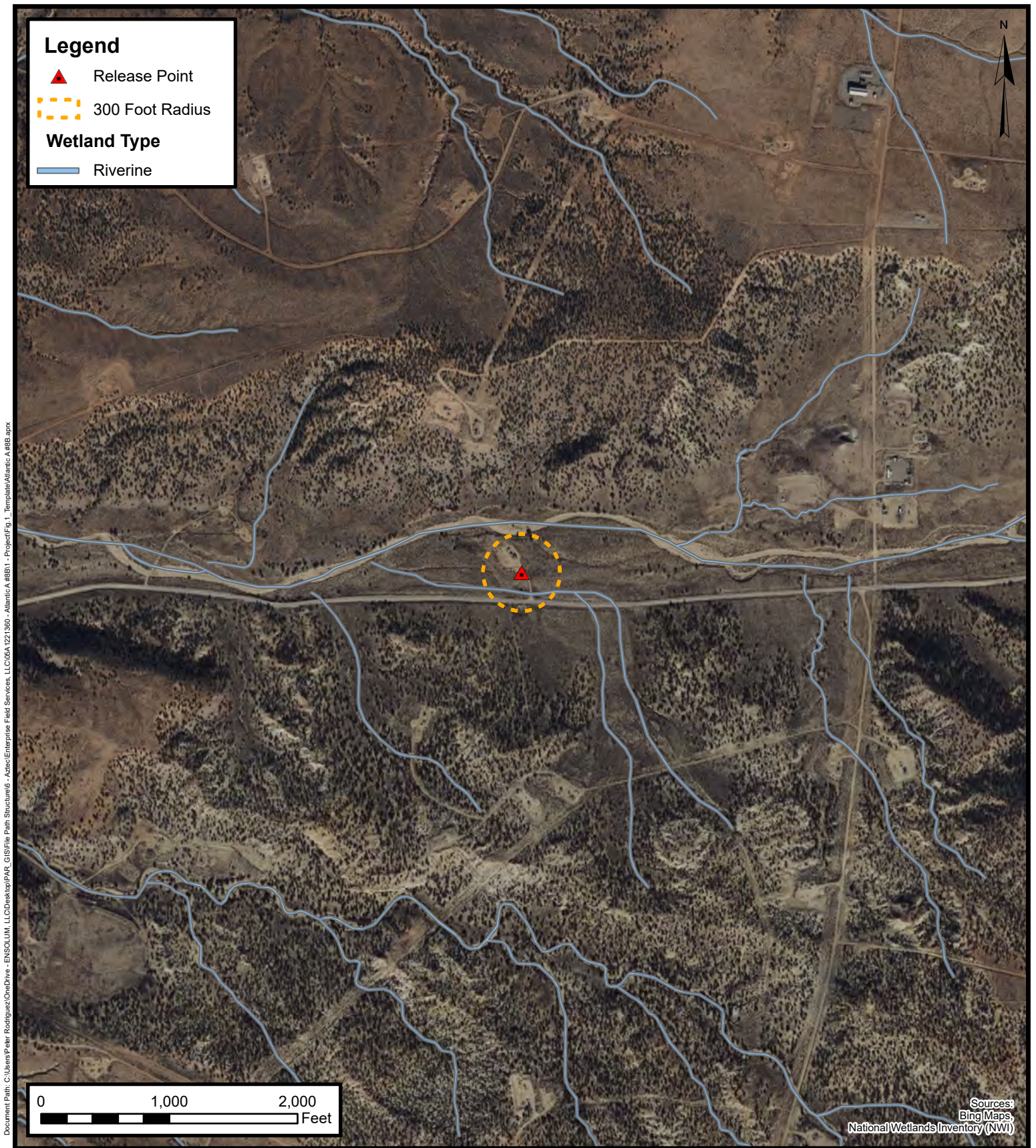
**FIGURE
D**



Water Well and Natural Spring Location

Enterprise Field Services, LLC
Atlantic A #8B
Project Number: 05A1221360
Unit Letter F, S29 T31N R10W, San Juan County, New Mexico
36.8712, -107.9103

**FIGURE
E**



Wetlands

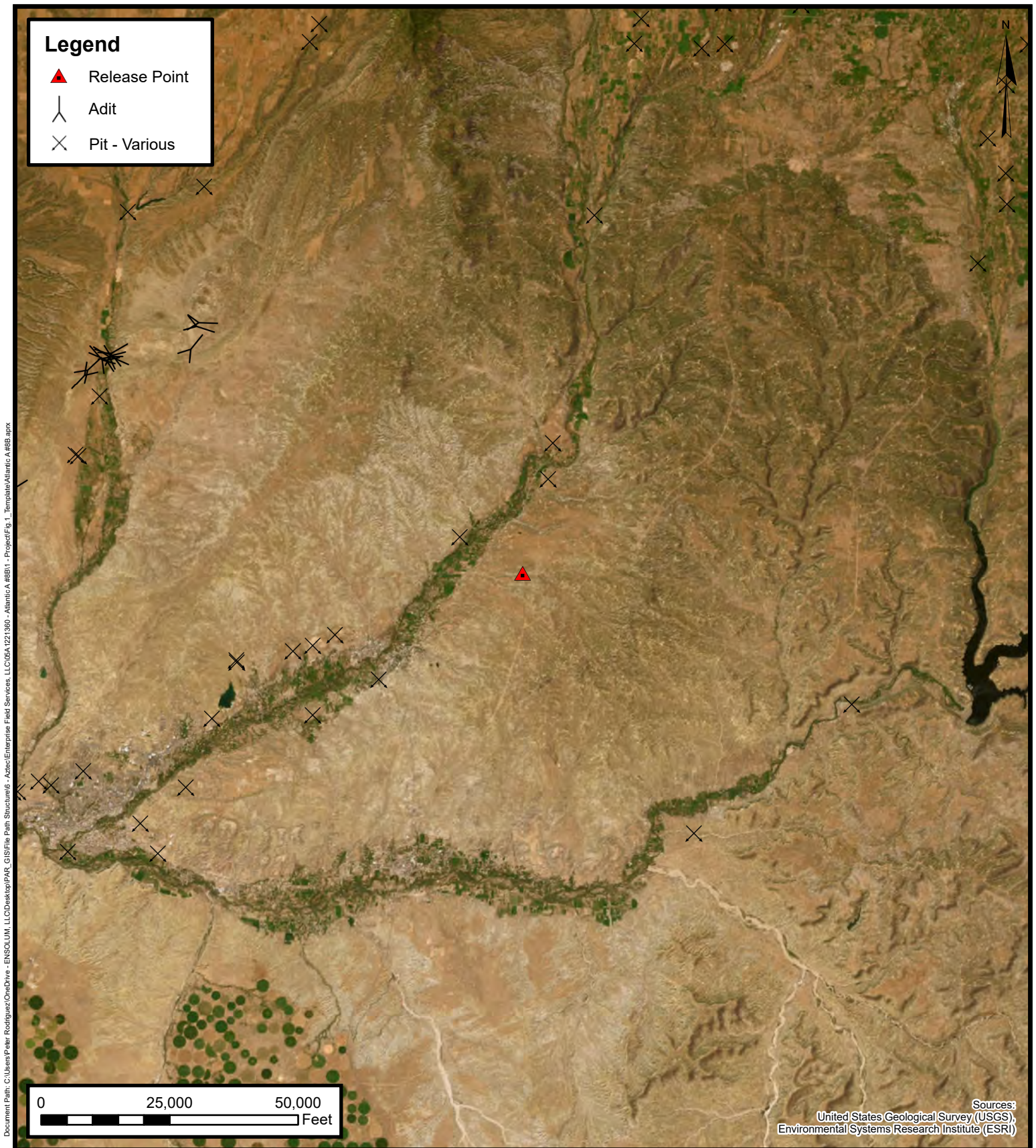
Enterprise Field Services, LLC
Atlantic A #8B

Project Number: 05A1221360

Unit Letter F, S29 T31N R10W, San Juan County, New Mexico
36.8712, -107.9103

FIGURE

F



Mines, Mills, and Quarries

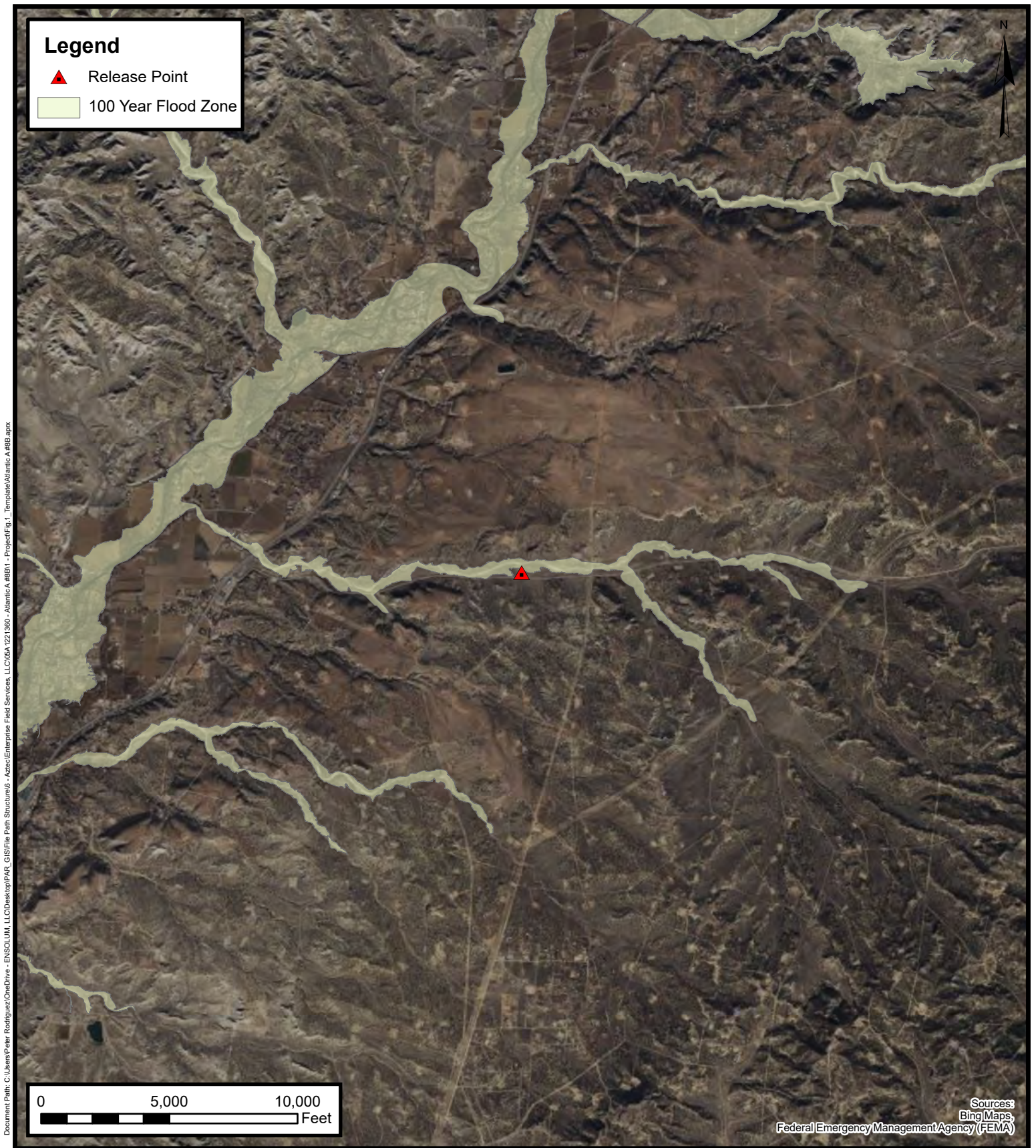
Enterprise Field Services, LLC
Atlantic A #8B

Project Number: 05A1221360

Unit Letter F, S29 T31N R10W, San Juan County, New Mexico
36.8712, -107.9103

FIGURE

G



ENSOLUM
Environmental, Engineering and
Hydrogeologic Consultants

100-Year Flood Plain Map

Enterprise Field Services, LLC
Atlantic A #8B
Project Number: 05A1221360
Unit Letter F, S29 T31N R10W, San Juan County, New Mexico
36.8712, -107.9103

FIGURE
H



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

(R=POD has been replaced, O=orphaned, C=the file is closed)

(quarters are smallest to largest)

(In feet)

POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	X	Y	Map	Well Depth	Depth Water	Water Column
SJ 00163		SJ	SJ	NW	SE	NW	28	31N	10W	242330.0	4084609.0 *	●	1538		
SJ 00163 EXPL		SJ	SJ	SW	SE	NW	28	31N	10W	242330.0	4084409.0 *	●	1538		
SJ 00555	R	SJAR	SJ			NW	19	31N	10W	239011.0	4086427.0 *	●	70	45	25
SJ 01349		SJAR	SJ	SW	SW	NW	19	31N	10W	238709.0	4086125.0 *	●	78	67	11
SJ 01428		SJAR	SJ		SW	NW	19	31N	10W	238810.0	4086226.0 *	●	65	45	20
SJ 02909		SJAR	SJ	NW	NW	NW	19	31N	10W	238721.0	4086726.0 *	●	60	47	13
SJ 02929		SJAR	SJ	NW	NW	NW	19	31N	10W	238721.0	4086726.0 *	●	58	40	18
SJ 02979		SJAR	SJ	NW	NW	NW	19	31N	10W	238721.0	4086726.0 *	●	57	43	14
SJ 03086		SJAR	SJ	SW	NW	NW	19	31N	10W	238721.0	4086526.0 *	●	61	44	17
SJ 03103		SJAR	SJ	NW	NW	NW	19	31N	10W	238721.0	4086726.0 *	●	53	33	20
SJ 03285		SJAR	SJ	NW	NW	SW	19	31N	10W	238697.0	4085924.0 *	●	40		
SJ 03359		SJAR	SJ	NW	NW	NW	19	31N	10W	238721.0	4086726.0 *	●	70		
SJ 03459		SJ	SJ	NE	SW	SW	32	31N	10W	240390.0	4082266.0 *	●	185	175	10
SJ 03486		SJAR	SJ	SW	NW	NW	19	31N	10W	238721.0	4086526.0 *	●	65	45	20
SJ 03487		SJAR	SJ	SW	NW	NW	19	31N	10W	238721.0	4086526.0 *	●	65	45	20
SJ 03705 POD1		SJAR	SJ	NE	NW	NW	19	31N	10W	238921.0	4086726.0 *	●	69	56	13
SJ 04328 POD10		SJ	SJ		SE	NE	20	31N	10W	241600.6	4086117.9	●	35	20	15
SJ 04328 POD6		SJ	SJ		SE	NE	20	31N	10W	241620.1	4086116.7	●	35	20	15
SJ 04328 POD7		SJ	SJ		SE	NE	20	31N	10W	241642.2	4086116.6	●	35	20	15
SJ 04328 POD8		SJ	SJ		SE	NE	20	31N	10W	241634.8	4086102.3	●	35	20	15
SJ 04328 POD9		SJ	SJ		SE	NE	29	31N	10W	241608.4	4086099.1	●	35	20	15
SJ 04495 POD1		SJAR	SJ	NW	NW	NW	19	31N	10W	238658.0	4086785.4	●	48	36	12

Average Depth to Water: **45 feet**

Minimum Depth: **20 feet**

Maximum Depth: **175 feet**

Record Count: 22

Basin/County Search:

Basin: SJ

PLSS Search:

Range: 10W

Township: 31N

Section: 19,20,21,28,29,30,31,32,33

* 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.

30-045-22389

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

(Submit 3 copies to OCD Aztec Office)

Operator MERIDIAN OIL Location: Unit NW Sec. 29 Twp 31 Rng 10Name of Well/Wells or Pipeline Serviced ATLANTIC A #8Acps 1199wElevation 6057 Completion Date 6/26/78 Total Depth 340' Land Type* N/ACasing, Sizes, Types & Depths 24' OF 8" PIPEIf Casing is cemented, show amounts & types used N/A

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

N/A

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

Fresh, Clear, Salty, Sulphur, Etc. 80' & 100'Depths gas encountered: N/AType & amount of coke breeze used: N/ADepths anodes placed: 290', 280', 270', 235', 225', 215', 205', 185', 175', 165'Depths vent pipes placed: N/AVent pipe perforations: N/ARemarks: gb #1**RECEIVED**
MAY 31 1991
OIL CON. DIV.
DIST. 3

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

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

El Paso Natural Gas Company
Form 7-238 (Rev. 11-71)WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOGDrilling Log (Attach Hereto). ☐Completion Date 6-26-78

Well Name ATLANTIC A #8A		Location NW 29-31-10		CPS No. 1199W	
Type & Size Bit Used 6 3/4"				Work Order No. 57216-21	
Anode Hole Depth 340 - 335TD		Total Drilling Pig Time		Total Lbs. Coke Used	
Anode Depth		Total Drilling Pig Time		Total Lbs. Coke Used	
1 290	2 280	3 270	4 235	5 225	6 215
7 205	8 185	9 175	10 165		
Anode Output (Amps)		Total Drilling Pig Time		Total Lbs. Coke Used	
1 4.8	2 5.0	3 4.6	4 4.8	5 5.5	6 4.6
7 4.8	8 5.2	9 5.6	10 5.2		
Anode Depth		Total Drilling Pig Time		Total Lbs. Coke Used	
11	12	13	14	15	16
17	18	19	20		
Anode Output (Amps)		Total Drilling Pig Time		Total Lbs. Coke Used	
11	12	13	14	15	16
17	18	19	20		
Total Circuit Resistance		Total Drilling Pig Time		Total Lbs. Coke Used	
Volts	8.2	Amps	13.0	Ohms	.63
No. 3 C.P. Cable Used		No. 2 C.P. Cable Used			

Remarks: STATIC = .86 CABLE TOOLS 28'-2" HOLE SET 24'6"8"
PIPE (33 1/2 HRS) DRILLED TO 340' LOGGED TO 335'
DAMP AT 80' GOOD WATER 100' - 110' ESTIMATE 3-4 GAL
PER MIN. HOLE FULL NEXT AM. FILLED W/ WATER TO 100'
TO LOG.

DITCH 1 WIRE = 227'

EXTRA WIRE = 110'

40/16 + 20' METER POLE

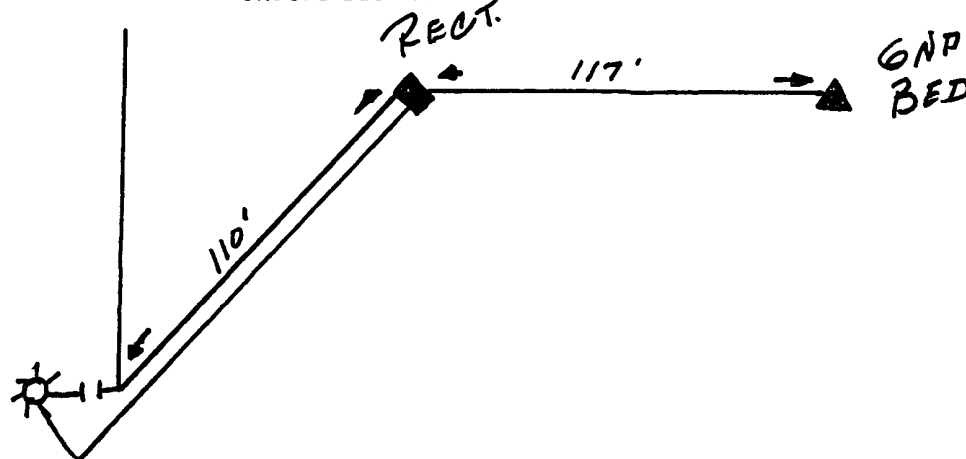
HOLE = -165'

All Construction Completed

BT

(Signature)

GROUND BED LAYOUT SKETCH



DISTRIBUTION:

WHITE - Division Corrosion Office

YELLOW - Area Corrosion Office

PINK - Originator File

6057

Sheet 101
Date
By BT
File

57216-21

1199 W
ATLANTIC A #8ASTATIC = .86
NW 29-31-10

DRILLED TO 340' LOGGED TO 335'
DAMP AT 80' GOOD WATER AT 100' TO 110' HOLE FILL
NEXT AM. FILLED W/ WATER TO 100'
HOLE = -165'

MW		gals/mol
16.04	C1	6.4
30.07	C2	10.12
44.10	C3	10.42
58.12	iC4	12.38
58.12	nC4	11.93
72.15	iC5	13.85
72.15	nC5	13.71
86.18	iC6	15.50
86.18	C6	15.57
100.21	iC7	17.2
100.21	C7	17.46
114.23	C8	19.39
28.05	C2	9.64
42.08	C3	9.67

MW	MISC	gals/mol
32.00	O2	3.37
28.01	CO	4.19
44.01	CO2	6.38
64.06	SO2	5.50
34.08	H2S	5.17
28.01	N2	4.16
2.02	H2	3.38

100-	2.6	60-	2.5
	2.4		3.0
10-	2.4	70-	3.0 (3)
	2.9		3.2
20-	2.6	80-	3.1 (2)
	2.7		3.0
30-	2.4	90-	3.1 (1)
	1.8		3.2
40-	1.6	300-	2.6
	1.8		1.2
50-	2.2	10-	1.2
	2.8		1.4
60-	3.0	20-	.8
	3.3 (10)		.6
70-	3.3 (4)	30-	.8
	3.6 (8)		1.4
80-	3.6	40-	
	3.5 (3)	50-	
90-	3.2	60-	
	2.8		
200-	2.7	70-	
	3.0 (7)		
10-	3.3 (6)	80-	
	3.0		
20-	3.1 (5)	90-	
	3.3 (4)	400-	
30-	3.5		
	3.1		
40-	3.2		
	2.8		
50-	2.7		
	2.6		

$$8.2 \sqrt{13.0A} = .63 \Omega$$

$$1 = 290 - 4.2 - 4.8$$

$$2 = 280 - 4.0 - 5.0$$

$$3 = 270 - 3.8 - 4.6$$

$$4 = 235 - 3.8 - 4.8$$

$$5 = 225 - 4.2 - 5.5$$

$$6 = 215 - 3.6 - 4.6$$

$$7 = 205 - 3.8 - 4.8$$

$$8 = 185 - 4.0 - 5.2$$

$$9 = 175 - 4.6 - 5.6$$

$$10 = 165 - 4.4 - 5.2$$

Atlantic A#8A

DAILY DRILLING REPORT

LEASE

WELL NO. 1199w

CONTRACTOR Posey

RIG NO.

REPORT NO.

DATE 6-26

19 78

MORNING					DAYLIGHT					EVENING				
Driller					Driller					Driller				
Total Men In Crew					Total Men In Crew					Total Men In Crew				
FROM	TO	FORMATION	WT-BIT	R.P.M.	FROM	TO	FORMATION	WT-BIT	R.P.M.	FROM	TO	FORMATION	WT-BIT	R.P.M.

Drilled 340'
TD. 335'

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

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

FROM	TO	TIME BREAKDOWN	FROM	TO	TIME BREAKDOWN	FROM	TO	TIME BREAKDOWN

REMARKS - 0-25 Cable Tool 25-50 Shale 50-60 Sand 60-70 Shale 70-80 Sand 80-140 Shale 140-160 Sandy shale 160-185 Shale	REMARKS - 185-340 Sandy shale	REMARKS - Made WATER 80FT. 3-4 gal. per min.
--	----------------------------------	--

SIGNED: Toolpusher

Company Supervisor

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

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

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

API NUMBER: 3004535086

WELL NAME OR PIPELINE SERVED: ATLANTIC A / 8B LEGAL LOCATION: 29-31N-10W INSTALLATION DATE: 4/15/2011

PPCO. RECTIFIER NO.: 10384W ADDITIONAL WELLS:

TYPE OF LEASE: LEASE NUMBER: NM-0606

GROUND BED INFORMATION

TOTAL DEPTH: 300' CASING DIAMETER: 8" TYPE OF CASING: PVC CASING DEPTH: 100' CASING CEMENTED

TOP ANODE DEPTH: 175' BOTTOM ANODE DEPTH: 283'

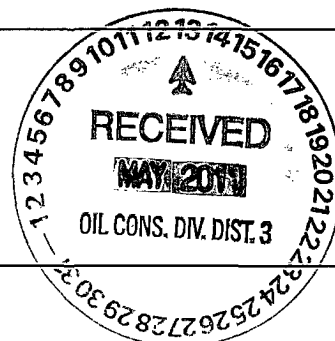
ANODE DEPTHS: 175', 187', 199', 211', 223', 235', 247', 259', 271', 283'

AMOUNT OF COKE: 50 BAGS

WATER INFORMATION

WATER DEPTH (1): WATER DEPTH (2):

GAS DEPTH: CEMENT PLUGS:

**OTHER INFORMATION**

TOP OF VENT PERFORATIONS: 160' VENT PIPE DEPTH: 300'

REMARKS:

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

*- LAND TYPE MAY BE SHOWN: F-FEDERAL; I-INDIAN; S-STATE; P-FEE
IF FEDERAL OR INDIAN, ADD LEASE NUMBER.

Wednesday, Nove

Page 1 of 1



COMPANY: Conoco Phillips
COMPANY REP: Randy Smith
LOCATION: ATLANTIC A / 8B
JOB NO: 140690
FOREMAN: Ron Luna
DRILLER: Darrel Ferriter

DATE: 4/15/2011
DIA. HOLE: 7 7/8"
DEPTH: 300
COKE TYPE: SW
OF COKE: 50
OF BENTONITE: 0

CASING: SCH 40 PVC
DIAMETER: 8"
CASING DEPTH: 100'
OF ANODES: 10
ANODE TYPE: 2284Z
ANODE LEAD: HWMPE #8

RECTIFIER MFG:
MODEL:
SERIAL #:
A -DC:
V-DC:
A -DC:

WELL LOG										ANODE PLACEMENT			
DEPTH FT.	DRILLERS LOG - SOIL TYPE	VOLTS	AMPS	COMMENTS / ANODE #	DEPTH FT.	DRILLERS LOG - SOIL TYPE	VOLTS	AMPS	COMMENTS / ANODE #	ANODE NO.	ANODE DEPTH	AMPS W/O COKE	AMPS W/ COKE
0	CASING-SAND/GRAVEL	13.18		DRILL w/WATER	250	GRAY SANDSTONE/SHALE				1	283	3.60	6.30
5	CASING-SAND/GRAVEL			"	265	GRAY SANDSTONE/SHALE	3.60	3.30		2	271	3.30	7.00
10	CASING-SAND/GRAVEL			"	260	GRAY SANDSTONE/SHALE	3.30	259' -Anode 3		3	259	4.40	7.90
15	CASING-SAND/GRAVEL			"	265	GRAY SANDSTONE/SHALE	3.50	271' -Anode 2		4	247	5.90	9.40
20	CASING-SAND/GRAVEL			"	270	GRAY SANDSTONE/SHALE	2.70			5	235	4.50	8.70
25	CASING-SAND/GRAVEL			"	275	GRAY SANDSTONE/SHALE	3.80			6	223	1.60	6.40
30	CASING-SAND/GRAVEL			"	280	GRAY SANDSTONE/SHALE	4.10			7	211	1.70	5.80
35	CASING-SAND/GRAVEL			"	285	GRAY SANDSTONE/SHALE	3.50	283' -Anode 1		8	199	2.50	6.90
40	CASING-SAND/GRAVEL			"	290	GRAY SANDSTONE/SHALE	3.40			9	187	4.30	10.10
45	CASING-SAND/GRAVEL			"	295	GRAY SANDSTONE/SHALE	3.10			10	175	5.00	11.60
50	CASING-SAND/GRAVEL			"	300	GRAY SANDSTONE/SHALE				11			
55	CASING-SAND/GRAVEL			"	305					12			
60	CASING-SAND/GRAVEL			"	310					13			
65	CASING-SAND/GRAVEL			"	315					14			
70	CASING-SAND/GRAVEL			"	320					15			
75	CASING-SAND/GRAVEL			"	325					16			
80	CASING-SAND/GRAVEL			"	330					17			
85	CASING-SAND/GRAVEL			"	335					18			
90	CASING-SAND/GRAVEL			"	340					19			
95	CASING-SAND/GRAVEL			"	345					20			
100	CASING-SAND/GRAVEL	2.10		DRILL w/WATER	350					21			
105	RED SHALE	1.40			355					22			
110	RED SHALE	1.90			360					23			
115	RED SHALE	2.10			365					24			
120	RED SHALE	3.40			370					25			
125	RED SHALE	4.00			375					GROUNDBED RESISTANCE			
130	RED SHALE	4.30			380					TOTAL			
135	RED SHALE	4.00			385					13.18			
140	RED SHALE	4.00			390					29.50			
145	GRAY SHALE	3.60			395					OHMS			
150	GRAY SHALE	4.10			400					0.45			
155	GRAY SHALE	4.10			405					SITE ELEVATION: 5951			
160	GRAY SHALE	4.10			410					WATER CONDUCTIVITY: .3			
165	GRAY SHALE	3.90			415					ADDITIONAL COMMENTS:			
170	GRAY SHALE	3.70			420					Drilled w/water a total of 100 ft. of Casing			
175	GRAY SHALE	4.10		175' -Anode 10	425					due to sand/gravel			
180	GRAY SHALE	4.00			430								
185	GRAY SHALE	3.70		187' -Anode 9	435								
190	GRAY SHALE	3.30			440								
195	GRAY SHALE	2.90			445								
200	GRAY SHALE	1.50		199' -Anode 8	450								
205	GREEN SANDSTONE	1.20			455								
210	GREEN SANDSTONE	1.40		211' -Anode 7	460								
215	GREEN SANDSTONE	1.30			465								
220	GREEN SANDSTONE	1.40			470								
225	GREEN SANDSTONE	1.10		223' -Anode 6	475								
230	GREEN SANDSTONE	2.50			480								
235	GREEN SHALE/SANDSTONE	3.30		235' -Anode 5	485								
240	GREEN SHALE/SANDSTONE	3.30			490								
245	GREEN SHALE/SANDSTONE	4.20		247' -Anode 4	495								

4935
30-045-10242

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

Operator MERIDIAN OIL Location: Unit SW Sec. 28 Twp 31 Rng 10

Name of Well/Wells or Pipeline Serviced ATLANTIC A #3

cps 332w

Elevation 6071' Completion Date 9/13/74 Total Depth 409' Land Type* N/A

Casing, Sizes, Types & Depths N/A

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

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

Depths & thickness of water zones with description of water when available:
Fresh, Clear, Salty, Sulphur, Etc. 100'

Depths gas encountered: N/A

Type & amount of coke breeze used: N/A

Depths anodes placed: 365', 355', 345', 335', 325', 315', 305', 295', 285', 275'

Depths vent pipes placed: N/A

Vent pipe perforations: 325'

Remarks: gb #2

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

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

El Paso Natural Gas Company
Form 7-239 (Rev. 1-69)

WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

Drilling Log (Attach Hereto). ☐

Completion Date 9-13-74

Well Name ATLANTIC A #3		Location SW 28-31-10		CPS No. 332 W	
Type & Size Bit Used				Work Order No. 52177	
Anode Hole Depth 409	Total Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
# 1 365	# 2 355	# 3 345	# 4 335	# 5 325	# 6 315
# 7 305	# 8 295	# 9 285	# 10 275		
Anode Output (Amps)					
# 1 4.6	# 2 4.0	# 3 2.8	# 4 3.7	# 5 4.7	# 6 4.6
# 7 4.6	# 8 6.0	# 9 5.7	# 10 5.9		
Anode Depth					
# 11	# 12	# 13	# 14	# 15	# 16
# 17	# 18	# 19	# 20		
Anode Output (Amps)					
# 11	# 12	# 13	# 14	# 15	# 16
# 17	# 18	# 19	# 20		
Total Circuit Resistance		No. 8 C.P. Cable Used		No. 2 C.P. Cable Used	
Volts 11.2	Amps 16.2	Ohms 0.69	71 FT		

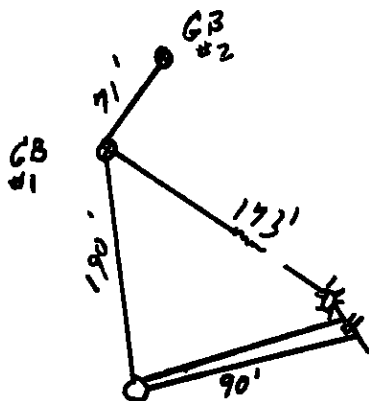
Remarks: DRILLER SAID WATER AT 100'. AFTER 1 HOUR 120'
VENT PIPE PENETRATED 325'. PUMPED COKE TO TOP OF HOLE

All Construction Completed

22 Lxxx

(Signature)

GROUND BED LAYOUT SKETCH



43,200.00
25.00 LANE
43,200.00
- 100.00 LANE
43,100.00
22.50 TAN
43,077.50 TOTAL

11.2 Volts

16.2 Amps

.69 ohms

vent Pipe perforated 325'

DRILLER SAID WATER @ 110'

409 Battery

MW		gals/mol
16	C ₁	0.4
30	C ₂	9.56
44	C ₃	10.42
58	IC ₄	12.38
"	NC ₄	11.93
72	IC ₅	13.85
"	NC ₅	13.71
86	IC ₆	15.50
"	C ₆	15.57
100	IC ₇	17.2
"	C ₇	17.46
114	C ₈	19.38
128	C ₉	19.64
142	C ₁₀	19.67

MBC,		
MW		cat/mol
44	CO ₂	0.38
34	H ₂ S	5.17
28	N ₂	4.16
2	H ₂	3.38

[illegible]

GENERAL OFFICE
14991 W. 44TH AVENUE
BAILEY OFFICE
CALL 1-838-4821

7A = 30-045-22730

12 = 30-045-20898

5022

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

(Submit 3 copies to OCD Aztec Office)

Operator MERIDIAN OIL Location: Unit SE Sec. 29 Twp 31 Rng 10Name of Well/Wells or Pipeline Serviced ATLANTIC A #7A, #12cps 1321wElevation 6078' Completion Date 4/11/79 Total Depth 320' Land Type* N/ACasing, Sizes, Types & Depths N/AIf Casing is cemented, show amounts & types used N/A

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

N/A

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

Fresh, Clear, Salty, Sulphur, Etc. 23' SAMPLE TAKENDepths gas encountered: N/AType & amount of coke breeze used: 55 SACKSDepths anodes placed: 285', 270', 255', 240', 225', 200', 185', 170', 155', 140'Depths vent pipes placed: 290'Vent pipe perforations: 280'Remarks: gb #1**RECEIVED**

MAY 31 1991

OIL CON. DIV
DIST. 3

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

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

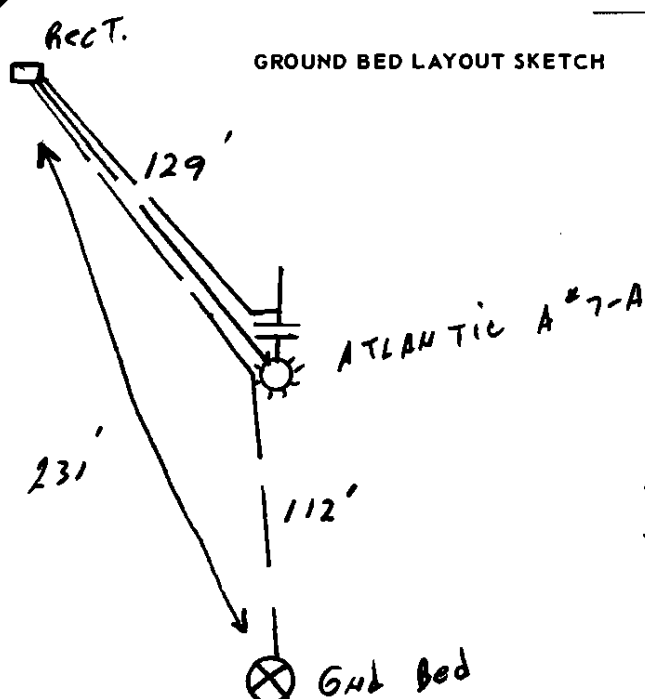
El Paso Natural Gas Company
Form 7-238 (Rev. 1-69)WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOGDrilling Log (Attach Hereto) ☐Completion Date 4/11/79

Well Name <u>ATLANTIC A #7-A</u> <u>ATLANTIC A #12</u>		Location <u>(1 1/2" x 60" DURATION)</u> <u>SE 29-31-10</u>		CPS No. <u>1321-W</u>	
Type & Size Bit Used <u>6 3/4"</u>				Work Order No. <u>57258-21</u> <u>55154-19</u>	
Anode Hole Depth <u>320' T.D. 320'</u>	Total Drilling Rig Time	Total Lbs. Coke Used <u>55 SACKS</u>	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth	# 1 <u>285'</u>	# 2 <u>270'</u>	# 3 <u>255'</u>	# 4 <u>240'</u>	# 5 <u>225'</u>
	# 6 <u>200'</u>	# 7 <u>185'</u>	# 8 <u>170'</u>	# 9 <u>155'</u>	# 10 <u>140'</u>
Anode Output (Amps)	# 1 <u>5.8</u>	# 2 <u>5.4</u>	# 3 <u>4.3</u>	# 4 <u>4.6</u>	# 5 <u>5.7</u>
	# 6 <u>5.0</u>	# 7 <u>5.9</u>	# 8 <u>6.1</u>	# 9 <u>5.8</u>	# 10 <u>5.4</u>
Anode Depth	# 11	# 12	# 13	# 14	# 15
	# 16	# 17	# 18	# 19	# 20
Anode Output (Amps)	# 11	# 12	# 13	# 14	# 15
	# 16	# 17	# 18	# 19	# 20
Total Circuit Resistance	No. 8 C.P. Cable Used		No. 2 C.P. Cable Used		
Volts <u>11.5V</u>	Amps <u>23.0A</u>	Ohms <u>.5</u>			

Remarks: ATLANTIC A #7A STATIC 600' - S. = .79V. ATLANTIC A #12
HAS BOND BOX. DRILLER SAID WATER AT 23'. APPROX. 3 GAL/MIN.
TOOK WATER SAMPLE. DRILLED 320'. INSTALLED 290' OF 1" P.V.C.
VENT PIPE. PERFORATED 280'.

Ditch & 1 cable = 241'
 EXTRA CABLE = 283'
 Hole Depth = 180'
 Stub pole + 40V 16A
 Rect.

GROUND BED LAYOUT SKETCH



ATLANTIC A #12 is
 south of Gnd. Bed.

6078'

All Construction Completed

(Signature)
 (Signature)

Original & 1 Copy All Reports

DAILY DRILLING REPORT

[illegible]

Company Supervisor

SIGNED: Toolpusher

Date: _____

By: _____

ATLANTIC A[#] 7-A
ATLANTIC A[#] 12

W.O. 57258-21

55154-19

CPS[#] 1321-W

SE 29-31-10

MW	gas/mol
10	C ₁ 6.4
10	C ₂ 9.5
14	C ₃ 10.4
18	IC ₄ 22.3
22	NC ₄ 17.9
26	IC ₅ 12.8
30	IC ₆ 17.3
34	C ₇ 15.7
38	C ₈ 17.4
42	C ₉ 19.3
46	C ₁₀ 21.2

MW	MSC	calc/mol
44	CO ₂	0.28
44	N ₂	0.17
44	H ₂	4.10
2	H ₂	2.19

Driller said water at 23' approx. 3 gal/min. Took water sample. Drilled to 320'. Installed 290' of 1" P.V.C. vent pipe. Perforated 280'.

11.5V @ 23A = .5 W

1 = 285' - 4.4 - 5.8
2 = 270' - 4.3 - 5.4
3 = 255' - 3.5 - 4.3
4 = 240' - 3.9 - 4.6
5 = 225' - 4.2 - 5.7
6 = 200' - 3.9 - 5.0
7 = 185' - 4.3 - 5.9
8 = 170' - 4.4 - 6.1
9 = 155' - 4.4 - 5.8
10 = 140' - 4.0 - 5.4

30 - 2.1
1.6
40 - 1.4
1.3
50' - .6
90 - 3.5
60 - .6
200 - 3.4 - ⑥
70 - 1.3
10 - 2.6
80 - 1.7
20 - 3.1
90 - 1.6
30 - 3.2
100 - 2.0
40 - 3.2 - ④
10 - 2.8
50 - 3.1
20 - 2.9
60 - 3.1
30 - 2.9
70 - 3.2 - ⑩
40 - 3.1 - ⑩
80 - 3.6
50 - 3.5
90 - 3.6
60 - 3.5
300 - 3.1
70 - 3.5 - ⑧
10 - 3.0
80 - 3.5
20 - Drilled To + T.D.
3.5 - ⑦

4/11/79

Nir

W.O. 57258-21 - 8 hr. Reg. 1 hr. O.T.
55154-19 - 8 hr. Reg. 1 hr. O.T.

EL PASO NATURAL GAS COMPANY
SAN JUAN DIVISION
FARMINGTON, NEW MEXICO
PRODUCTION DEPARTMENT WATER ANALYSIS

Analysis No. 1-9523 Date 5-17-79

Operator EPNG Well Name ATLANTIC A 7A

Location SE29-31-10 County SAN JUAN State NM

Field Formation

Sampled From CPS #1321W

Date Sampled By

Tbg. Press. <u> </u>	Csg. Press. <u> </u>	Surface Csg. Press. <u> </u>
ppm	epm	ppm epm

Sodium <u>0</u>	Chloride <u>16</u>
-----------------	--------------------

Calcium <u>467</u>	Bicarbonate <u>83</u>
--------------------	-----------------------

Magnesium <u>49</u>	Sulfate <u>1225</u>
---------------------	---------------------

Iron <u>PRESENT</u>	Carbonate <u>0</u>
---------------------	--------------------

H ₂ S <u>ABSENT</u>	Hydroxide <u>0</u>
--------------------------------	--------------------

cc: D.C.Adams
R.A.Ullrich
E.R.Paulek
J.W.McCarthy
A.M.Smith
W.B.Shropshire
File

Total Solids Dissolved 2310

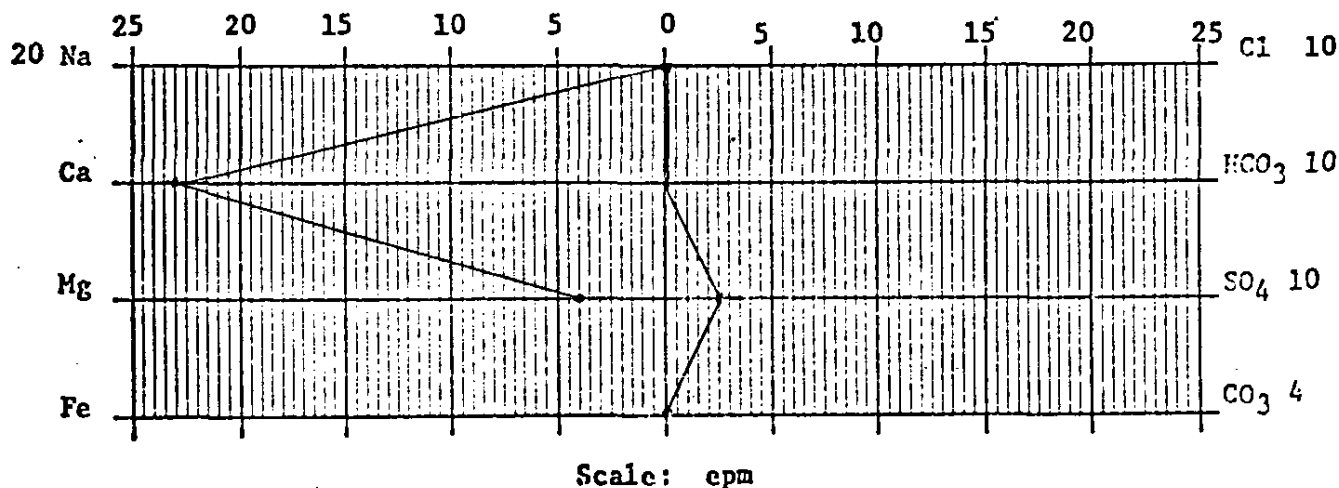
pH 7.3

Sp. Gr. 1.0039 at 60°F

Resistivity 385 ohm-cm at 77°F

Water at 23' 3 gal/min

Barnett + Tawilliger RZE
Chemist



4937

30-045-10362

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

Operator MERIDIAN OIL Location: Unit NE Sec. 29 Twp 31 Rng 10Name of Well/Wells or Pipeline Serviced ATLANTIC A #8cps 331wElevation 6010' Completion Date 5/12/72 Total Depth 280' Land Type* N/ACasing, Sizes, Types & Depths N/AIf Casing is cemented, show amounts & types used N/AIf Cement or Bentonite Plugs have been placed, show depths & amounts used
N/A

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

Fresh, Clear, Salty, Sulphur, Etc. 75'**RECEIVED**

MAY 31 1991

Depths gas encountered: N/AType & amount of coke breeze used: 5700 lbs.**OIL CON. DIV**
DIST 2Depths anodes placed: 230', 215', 200', 185', 175', 160', 145', 130', 115', 100'Depths vent pipes placed: N/AVent pipe perforations: 200'Remarks: qb-#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.

WELL CASING
 CATHODIC PROTECTION CONSTRUCTION REPORT
 DAILY LOG

No 2 G.B.

Drilling Log (Attach Hereto) ☐

Completion Date *5-12-72*

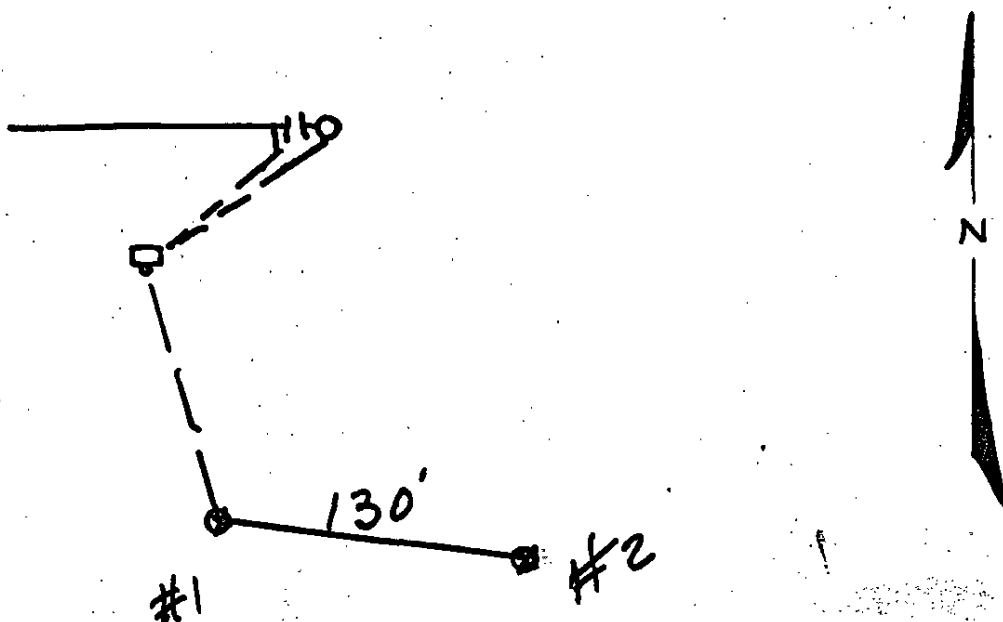
Well Name <i>Atlantic #8 A</i>		Location <i>NE 29-37-10</i>		CPS No. <i>331 W</i>	
Type & Size Bit Used <i>6 3/4</i>		Work Order No. <i>189-62611-50-20</i>			
Anode Hole Depth <i>200</i>	Total Drilling Rig Time	Total Lbs. Coke Used <i>5700</i>	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
# 1 <i>230</i>	# 2 <i>215</i>	# 3 <i>200</i>	# 4 <i>185</i>	# 5 <i>175</i>	# 6 <i>160</i>
# 7 <i>145</i>	# 8 <i>130</i>	# 9 <i>115</i>	# 10 <i>100</i>		
Anode Output (Amps)					
# 1 <i>4.5</i>	# 2 <i>4.5</i>	# 3 <i>4.4</i>	# 4 <i>4.8</i>	# 5 <i>5.0</i>	# 6 <i>5.2</i>
# 7 <i>5.5</i>	# 8 <i>5.6</i>	# 9 <i>4.8</i>	# 10 <i>4.7</i>		
Anode Depth					
# 11	# 12	# 13	# 14	# 15	# 16
# 17	# 18	# 19	# 20		
Anode Output (Amps)					
# 11	# 12	# 13	# 14	# 15	# 16
# 17	# 18	# 19	# 20		
Total Circuit Resistance				No. 8 C.P. Cable Used	No. 2 C.P. Cable Used
Volts <i>11.5</i>	Amps <i>13.3</i>	Ohms <i>0.86</i>			

Remarks: *Hole Drilled 5-11-72 - Water level on 5-12-72 = 75'*
Hose Perforated 200'
Pumped 338 Shovels, Slurry 60 ~~Bags~~ Shovels
Est. 57 Bags Coke

All Construction Completed

ERP - OHS
 (Signature)

GROUND BED LAYOUT SKETCH



Original & 1 Copy All Reports

DAILY DRILLING REPORT

Company Supervisor

Received by OCD: 5/8/2025 12:48:12 PM

ENGINEERING DEPARTMENT

Date: Page 42 of 173

By: _____

3314 Atlantic # 8A - 5-12-72

Wt	Grain/mol
15	6.4
20	8.54
25	10.68
30	12.82
35	14.96
40	17.1
45	19.24
50	21.38
55	23.52
60	25.66
65	27.8
70	29.94
75	32.08
80	34.22
85	36.36
90	38.5
95	40.64
100	42.78

75	4.0	255	Perf. Hose 200'			
80	4.2	260				
85	4.6	65				
90	4.6	70	Depth	Log	Wte.	Coke
95	4.5	75	1	230	3.7	3.4
100	4.55		2	215	4.0	3.5
	4.8		3	200	4.0	3.6
10	5.0		4	185	4.3	3.8
	5.0		5	175	4.9	4.1
20	4.9		6	160	4.7	4.2
	5.05		7	145	4.8	4.6
30	4.85		8	130	4.65	4.6
	4.85		9	115	5.0	3.8
40	4.9		10	100	4.55	3.7
	4.8					
50	4.85		Pump 338 Slurry 60 Shovels			
	4.8					
60	4.7			11.5 V	13.3 A	0.86 ~
	4.5		Est 57 Bags			
70	5.0					
	4.9					
80	4.2					
	4.5					
90	4.3					
	4.05					
200	4.0					
	3.9					
10	3.9					
	4.0					
20	4.1					
	4.3					
30	3.7					
	3.15					
40	2.95					
	2.75					
50						
	Bottom					

Wt	Grain/mol
15	6.4
20	8.54
25	10.68
30	12.82
35	14.96
40	17.1
45	19.24
50	21.38
55	23.52
60	25.66
65	27.8
70	29.94
75	32.08
80	34.22
85	36.36
90	38.5
95	40.64
100	42.78

$$\begin{array}{r}
 13.3 \overline{) 11.50} \\
 \underline{1064} \\
 860 \\
 \underline{798} \\
 .86
 \end{array}$$

EL PASO NATURAL GAS COMPANY
DEEP GROUND BED DATA
FARMINGTON, NEW MEXICO AREA
LOG FOR ATLANTIC #8-A

CPS-331-W

DEPTH FEET	LOGGING CURRENT (AMPS)	BEFORE COKE	AFTER COKE	ANODE NUMBER	DEPTH FEET	LOGGING CURRENT (AMPS)	BEFORE COKE	AFTER COKE	ANODE NUMBER
75'	4.0								
80'	4.2								
85'	4.6								
90'	4.6								
95'	4.5								
100'	4.55	3.7	4.7	#10					
105'	4.8								
110'	5.0								
115'	5.0	3.8	4.8	#9					
120'	4.9								
125'	5.05								
130'	4.85	4.6	5.6	#8					
135'	4.85								
140'	4.9								
145'	4.8	4.6	5.5	#7					
150'	4.85								
155'	4.8								
160'	4.7	4.2	5.2	#6					
165'	4.5								
170'	5.0								
175'	4.9	4.1	5.0	#5					
180'	4.2								
185'	4.3	3.8	4.8	#4					
190'	4.3								
195'	4.05								
200'	4.0	3.6	4.4	#3					
205'	3.9								
210'	3.9								
215'	4.0	3.5	4.5	#2					
220'	4.1								
225'	4.3								
230'	3.7	3.4	4.5	#1					
235'	3.15								
240'	2.95								
245'	2.75								
250'	2.7								

WELL: Atlantic #8-A
W.O. #184-62611.19-50-20
LOCATION: N.E. Sec. 29-31N-10W
DATE INSTALLED: 5-12-72
WATER LEVEL:
GROUNDBED: Volts: 11.5 - Amps 13.3
Total Resistance 0.864 Ohms

#21 30-045-23158

#211 - 30-045-27061 -

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

Operator MERIDIAN OIL INC. Location: Unit G Sec. 29 Twp 31 Rng 10Name of Well/Wells or Pipeline Serviced ATLANTIC A #21, #211
cps 2073wElevation 5984' Completion Date 1/13/89 Total Depth 300' Land Type* N/ACasing, Sizes, Types & Depths N/AIf Casing is cemented, show amounts & types used N/AIf Cement or Bentonite Plugs have been placed, show depths & amounts used
N/ADepths & thickness of water zones with description of water when possible:
Fresh, Clear, Salty, Sulphur, Etc. 50' NO SAMPLEDepths gas encountered: N/AType & amount of coke breeze used: N/ADepths anodes placed: 265', 255', 245', 235', 225', 215', 205', 195', 185', 176'Depths vent pipes placed: 302'Vent pipe perforations: 260'Remarks: gb #1

RECEIVED
MAY 31 1991
CON. D

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

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

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

WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOGDrilling Log (Attach Hereto) ☒Completion Date 1-13-89

CPS #	Well Name, Line or Plant:	Work Order #	State:	Ins Union Check
2073-w	ATLANTIC "A" #211	3436A		☒ Good ☒ Bad
33	ATLANTIC "A" #213	44812A		2" BAD
Location:	Anode Size:	Anode Type:	Size Bit:	
G29-31-10	2" x 60"	Duriron	6 3/4"	
Depth Drilled	Depth Logged	Drilling Rig Time	Total Lbs. Goke Used	Lost Circulation Mat'l Used
300'	297'			
Anode Depth				
# 1 265'	# 2 255'	# 3 245'	# 4 235'	# 5 225'
# 6 215'	# 7 205'	# 8 195'	# 9 185'	# 10 176'
Anode Output (Amps)				
# 1 4.1	# 2 4.0	# 3 4.1	# 4 3.7	# 5 3.7
# 6 3.7	# 7 4.1	# 8 4.2	# 9 5.2	# 10 4.5
Anode Depth				
# 11	# 12	# 13	# 14	# 15
# 16	# 17	# 18	# 19	# 20
Anode Output (Amps)				
# 11	# 12	# 13	# 14	# 15
# 16	# 17	# 18	# 19	# 20
Total Circuit Resistance			No. 8 C.P. Cable Used	No. 2 C.P. Cable Used
Volts 11.72	Amps 22.5	Ohms .521		

Remarks: DRILLED TO 300'; LOGGED 297'; DRILLER SAID WATER AT 50'; NO SAMPLE. INSTALLED 302' OF 1" PVC VENT PIPE; PERFORATED BOTTOM 260'

555-9537-001-00-0 (lines)

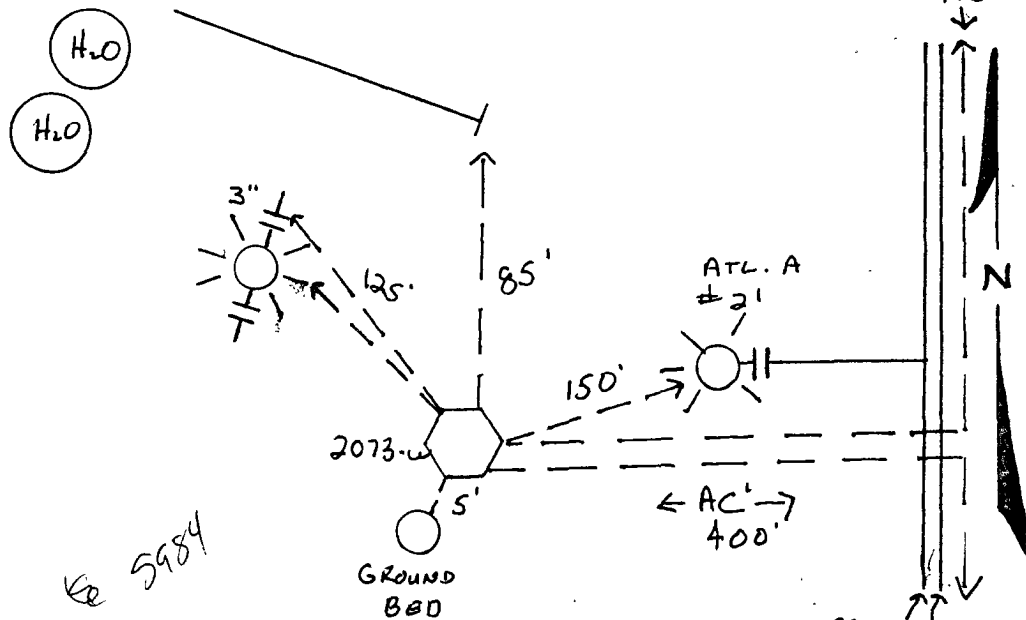
* CAN TIE IN TO EXISTING AC AND CROSS 2" OF EPNG'S MAIN LINES; CONTACT ME WHEN DITCHING

Rectifier Size: 40 V 16 A
 Addn'l Depth
 Depth Credit: 203' 3.50
 Extra Cable: 595' 24
 Ditch & 1 Cable: 765' 70
 25' Meter Pole:
 20' Meter Pole:
 10' Stub Pole:
 Junction Box:

All Construction Completed

msw
 (Signature)

GROUND BED LAYOUT SKETCH



4074.00
 669.00 RECT
 -710.50 CREDIT ✓
 142.80 ex. CABLE ✓
 535.50 Ditch + 1 ✓
 158.50 STUB Pole
 225.00 J. Box
 5094.30 ✓
 254.72 TAX
 5349.58

El Paso Natural Gas Company
ENGINEERING CALCULATION

Page 46 of 173

Sheet: 1 of 1
Date: 12-14-71
By: RLB
File: 331WCPS 331W ATLANTIC A#8 (MU) 4.4 MIN. AMPS.
CLOSE OFFSET ATLANTIC A#21 (PC) (st 4/5 W = 90 1500 mat)
(4/5 with cps on = .92)

NE 29-31-10

MW		gals/mol
16.04	C ₁	6.4
30.07	C ₂	10.12
44.10	C ₃	10.42
58.12	iC ₄	12.38
58.12	nC ₄	11.93
72.15	iC ₅	13.85
72.15	nC ₅	13.71
86.18	iC ₆	15.50
86.18	C ₆	15.57
100.21	iC ₇	17.2
100.21	C ₇	17.46
114.23	C ₈	19.39
28.05	C ₂	9.64
42.08	C ₃	9.67

ORIGINAL sketch
made - 6-26-79NEG. FROM
331W ON RR
TO A#21

950' By R.O.W.

BURIED AC CABLE

ATLANTIC A#21

CPS-331-W

File.

ATLANTIC
A#8

CPS 331W

MW	MISC.	gals/mol
32.00	O ₂	3.37
28.01	CO	4.19
44.01	CO ₂	6.38
64.06	SO ₂	5.50
34.08	H ₂ S	5.17
28.01	N ₂	4.16
2.02	H ₂	3.38

950'
80'

Cress DRILLING CO.

Drill No. D-10

DRILLER'S WELL LOG

S. P. No. Atlantic 9" 211 Date 1-13-82

Client Meridian oil Prospect

County San Juan State N.M.

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

FROM	TO	FORMATION — COLOR — HARDNESS
0	90	Sand, gravel
90	190	Shale
190	210	Sandstone, Sandy shale
210	270	Shale
270	300	Sandstone

Mud _____ Bran _____ Lime _____

Rock Bit Number 1 3/4" Make _____

Remarks: Water 250'

Driller Ron Math

#7 30-045-10272
#10 30-045-20761
#210 30-045-26993

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

Operator MERIDIAN OIL INC. Location: Unit SW Sec. 29 Twp 31 Rng. 10

Name of Well/Wells or Pipeline Serviced ATLANTIC A #7, #10, #210

cps 207lw

Elevation 6034' Completion Date 11/13/73 Total Depth 260' Land Type* N/A

Casing, Sizes, Types & Depths N/A

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

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

Depths & thickness of water zones with description of water when possible:
Fresh, Clear, Salty, Sulphur, Etc. 60'

Depths gas encountered: N/A

Type & amount of coke breeze used: 4200 lbs.

Depths anodes placed: 240', 230', 220', 210', 200', 190', 180', 170', 160', 150'

Depths vent pipes placed: N/A

Vent pipe perforations: 206'

Remarks: gb #2

RECEIVED

MAY 31 1991

OIL CON. DIV

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.

6 - 30-045-10047
20 - 30-045-23496

4297

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

Operator TENNECO Location: Unit SW Sec 33 Twp 31 Rng 10

Name of Well/Wells or Pipeline Serviced ATLANTIC B #6, #20

cps 371w

Elevation 6294' Completion Date 11/5/76 Total Depth 292' Land Type* N/A

Casing, Sizes, Types & Depths N/A

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

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

Depths & thickness of water zones with description of water when possible:
Fresh, Clear, Salty, Sulphur, Etc. 90'

Depths gas encountered: N/A

Type & amount of coke breeze used: 48 SACKS

Depths anodes placed: 275', 265', 255', 185', 175'

Depths vent pipes placed: N/A

Vent pipe perforations: 185'

Remarks: qb #2 not a MERIDIAN well.

RECEIVED
MAY 31 1991
OIL CON. DIV
DIST ?

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

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

El Paso Natural Gas Company
Form 7-238 (Rev. 1-69)WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

Logged

Completion Date 11-5-76

Drilling Log (Attach Hereto). ☐

Well Name ATLANTIC B #6		Location SW 33-31-10		CPS No. 371W	
Type & Size Bit Used 6 3/4				Work Order No. 52104	
Anode Hole Depth Log 292	Total Drilling Rig Time	Total Lbs. Coke Used 48 Sacks	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
# 1 275	# 2 265	# 3 255	# 4 185	# 5 175	# 6
Anode Output (Amps)					
# 1 2.2	# 2 3.7	# 3 3.9	# 4 3.4	# 5 3.9	# 6
Anode Depth					
# 11	# 12	# 13	# 14	# 15	# 16
Anode Output (Amps)					
# 11	# 12	# 13	# 14	# 15	# 16
Total Circuit Resistance				No. 8 C.P. Cable Used	No. 2 C.P. Cable Used
Volts 12.0	Amps 10.7	Ohms 1.12			

Remarks: **DRILLER SAID WATER @ 105'**
VENT PERF. 185'
SLURRY 48 SACKS

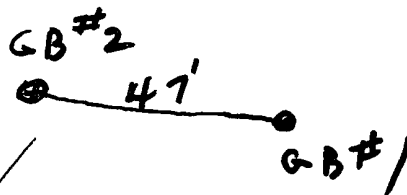
\$2,648.00
-174.00 Depth Credit
19.95

\$2,493.95
99.75 TAX

All Construction Completed

C. W. Harris
 (Signature)

GROUND BED LAYOUT SKETCH



2,593.70
288.00 COKE
213.40 Insp.
50.00 Misc.

\$3,145.10 TOTAL

0

Original & 1 Copy All Reports

Date: 11-5-76
By: 11-5-76
File: 11-5-76

5W 33-31-10

321

52104

MW	MISC. gals/mol	
32.00	O ₂	3.37
28.01	CO	4.19
44.01	CO ₂	6.38
64.06	SO ₂	5.50
34.08	H ₂ S	5.17
28.01	N ₂	4.16
2.02	H ₂	3.38

VENT PERF. 185'

10.7 A
12.0 U

$$= 1.12 \times CR$$

LEASE

WELL NO. 11-6 CONTRACTOR

REG. NO.

REPORT NO.

DATE 11-5-78

SIGNED: Toolpusher

Company Supervisor

965

B

30-045-22944

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

Operator TENNECO Location: Unit NW Sec. 33 Twp 31 Rng 10
Name of Well/Wells or Pipeline Serviced ATLANTIC B #6A
cps 1446w
Elevation 6167' Completion Date 7/12/79 Total Depth 300' Land Type* N/A
Casing, Sizes, Types & Depths N/A
If Casing is cemented, show amounts & types used N/A
If Cement or Bentonite Plugs have been placed, show depths & amounts used
N/A
Depths & thickness of water zones with description of water when possible:
Fresh, Clear, Salty, Sulphur, Etc. 100' SAMPLE TAKEN
RECEIVED
MAY 31 1991
Depths gas encountered: N/A
OIL CON. DIV.
Type & amount of coke breeze used: 39 SACKS **DIST. 3**
Depths anodes placed: 270', 260', 245', 230', 220', 210', 200', 190', 145', 135'
Depths vent pipes placed: 300'
Vent pipe perforations: 200'
Remarks: gb #1 NOT A MERIDIAN WELL. FIRST HOLE(300') CAVED. LOST 2 ANODES
AND 300' OF VENT PIPE.

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

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

El Paso Natural Gas Company
Form 7-238 (Rev. 1-69)WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOGDrilling Log (Attach Hereto). ☐

CONTRACT #2

2" X 60" DURATION.

Completion Date 7/12/79

Well Name ATLANTIC B #6A		Location NW 33-31-10		CPS No. 1446 W	
Type & Size Bit Used 6 3/4"				Work Order No. 57325-21	
Anode Hole Depth 300' T.D. 300'	Total Drilling Rig Time	Total Lbs. Coke Used 39 SACKS	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
# 1 270'	# 2 260'	# 3 245'	# 4 230'	# 5 220'	# 6 210'
# 7 200'	# 8 190'	# 9 145'	# 10 135'		
Anode Output (Amps)					
# 1 2.3	# 2 2.9	# 3 1.4	# 4 1.9	# 5 2.5	# 6 4.0
# 7 4.2	# 8 3.2	# 9 3.5	# 10 3.9		
Anode Depth					
# 11 120'	# 12	# 13	# 14	# 15	# 16
# 17	# 18	# 19	# 20		
Anode Output (Amps)					
# 11 2.6	# 12	# 13	# 14	# 15	# 16
# 17	# 18	# 19	# 20		
Total Circuit Resistance				No. 8 C.P. Cable Used	
Volts 11.8 V	Amps 13.7 A	Ohms .86			No. 2 C.P. Cable Used

Remarks: STATIC 600' N = .96 V Driller said WATER AT 100' APPROX.
10-15 GAL/MIN. DRILLED TO 300'. LOGGED 300'. INSTALLED 300' OF
1" P.V.C. VENT PIPE, PERFORATED 200'. HAD A BRIDGE ABOVE
#3 ANODE. INSTALLED #11 ANODE TO REPLACE IT.

Pitch & 1 cable = 151'

EXTRA cable = 96'

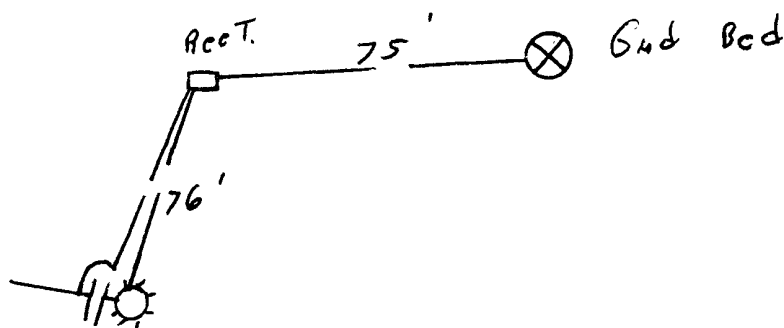
Hole Depth - 200'

Stub Pole & 40V 16A Rect.

All Construction Completed

JE Ratto
 (Signature)

GROUND BED LAYOUT SKETCH



6/67

Original & 1 Copy All Reports

Sheet: _____ of _____

Date: _____

By: _____

File: _____

ATLANTIC B*6A

cps - 446W

NW 33-31-10

W.O. 57325-21

DRILLER SAID WATER AT 100'.
Approx. 10-15 GAL./MIN.
Drilled To 300' Logged 300'.
INSTALLED 300' of 1" PVC.
VENT Pipe, Perforated 200'.
HAD A Bridge Above #3
ANODE. INSTALLED #11 ANODE
To Replace IT.

MW		gals/mol
16.04	C ₁	6.4
30.07	C ₂	10.12
44.10	C ₃	10.42
58.12	iC ₄	12.38
58.12	nC ₄	11.93
72.15	iC ₅	13.85
72.15	nC ₅	13.71
86.18	iC ₆	15.50
86.18	C ₆	15.57
100.21	iC ₇	17.2
100.21	C ₇	17.46
114.23	C ₈	19.39
28.05	C ₂	9.64
42.08	C ₃	9.67

100 -
10 -
20 - 2.0 -
30 - 1.9 -
40 - 2.1 - ⑩
50 - 2.2 - ⑨
60 - 1.5 -
70 - 1.0 -
80 - 1.0 -
90 - 2.0 - ⑧
200 - 2.8 - ⑦
10 - 2.5 - ⑥
20 - 1.7 - ⑤
30 - 1.6 - ④
40 - 1.4 - ③
50 - 1.3 -
60 - 2.0 - ②
70 - 1.8 - ①
80 - 1.8 -
90 - 1.0 -
300 - T.D.

7/12/79
JH

20 Hrs To TAC

1 - 270 - 1.9 - 2.3
2 - 260 - 2.4 - 2.9
3 - 245 - 1.5 - 1.4
4 - 230 - 1.6 - 1.9
5 - 220 - 2.2 - 2.5
6 - 210 - 3.4 - 4.0
7 - 200 - 4.0 - 4.2
8 - 190 - 2.5 - 3.2
9 - 145 - 2.4 - 3.5
10 - 125 - 3.0 - 3.9
11 - 120 - 2.5 - 2.6

MW	MISC.	gals/mol
32.00	O ₂	3.37
28.01	CO	4.19
44.01	CO ₂	6.38
64.06	SO ₂	5.50
34.08	H ₂ S	5.17
28.01	N ₂	4.16
2.02	H ₂	3.38

Sheet: _____ of _____
Date: _____
By: _____
File: _____

ATLANTIC B #6A

CPS-1446 W

NW 33-31-10

W.O. 57325-21

MW	gals/mol
16.04	C ₁ 6.4
30.07	C ₂ 10.12
44.10	C ₃ 10.42
58.12	iC ₄ 12.38
58.12	nC ₄ 11.93
72.15	iC ₅ 13.85
72.15	nC ₅ 13.71
86.18	iC ₆ 15.50
86.18	C ₆ 15.57
100.21	iC ₇ 17.2
100.21	C ₇ 17.46
114.23	C ₈ 19.39
28.05	C ₂ 9.64
42.08	C ₃ 9.67

MW	MISC.	gals/mol
32.00	O ₂	3.37
28.01	CO	4.19
44.01	CO ₂	6.38
64.06	SO ₂	5.50
34.08	H ₂ S	5.17
28.01	N ₂	4.16
2.02	H ₂	3.38

100 - .7

.8

10 - .6

.7

20 - .8

.8

30 - 1.0

1.3

40 - 2.1

2.0

50 - 1.2

1.3

60 - 1.2

1.3

70 - 1.4

1.3

80 - 1.1

1.1

90 - 1.7

2.6

200 - 2.8

2.6

10 - 2.6

2.5

20 - 1.8

1.7

30 - 1.6

1.7

40 - 1.6

1.4

50 - 1.1

1.0

60 - 1.9

2.0

70 - 1.9

1.9

80 - 1.9

1.7

90 - 1.2

.6

200 - T.D.

DRILLER SAID WATER AT
100'. DRILLED TO 280' AND
TWISTED OFF. DRILLED TO
300'. LOGGED 300'

HOLE MAKING 15-20 GAL/MIN
INSTALLED 300' OF 1" P.V.C.
VENT PIPE, PERFORATED 200'.
RAN 4 ANODES IN HOLE
STARTED COKEING. HOLE
CAVED IN. RETRIEVED 2
ANODES. LOST 2 ANODES + VENT
PIPE IN HOLE.

MOVED RIG + STARTED
NEW HOLE

7/11/19

JL

1 - 280 - 2.1

2 - 270 -

3 - 260 -

4 - 235 -

5 - 225 -

6 - 215 -

7 - 205 -

8 - 195 -

9 - 170 -

10 - 145 -

EL PASO NATURAL GAS COMPANY
SAN JUAN DIVISION
FARMINGTON, NEW MEXICO
PRODUCTION DEPARTMENT WATER ANALYSIS

Analysis No. 1-9660 Date 8-3-79

Operator EPNG Well Name ATLANTIC B6A

Location NW 33-31-10 County SAN JUAN State NM

Field Formation

Sampled From CPS 1446-W

Date Sampled By

Tbg. Press. Csg. Press. Surface Csg. Press

ppm epm ppm epm

Sodium 138 6 Chloride 28 1

Calcium 568 28 Bicarbonate 73 1

Magnesium 12 1 Sulfate 1600 33

Iron PRESENT Carbonate 0 0

H₂S ABSENT Hydroxide 0 0

cc: D.C.Adams Total Solids Dissolved 2898

R.A.Ullrich

E.R.Paulek

J.W.McCarthy

A.M.Smith

W.B.Shropshire

File

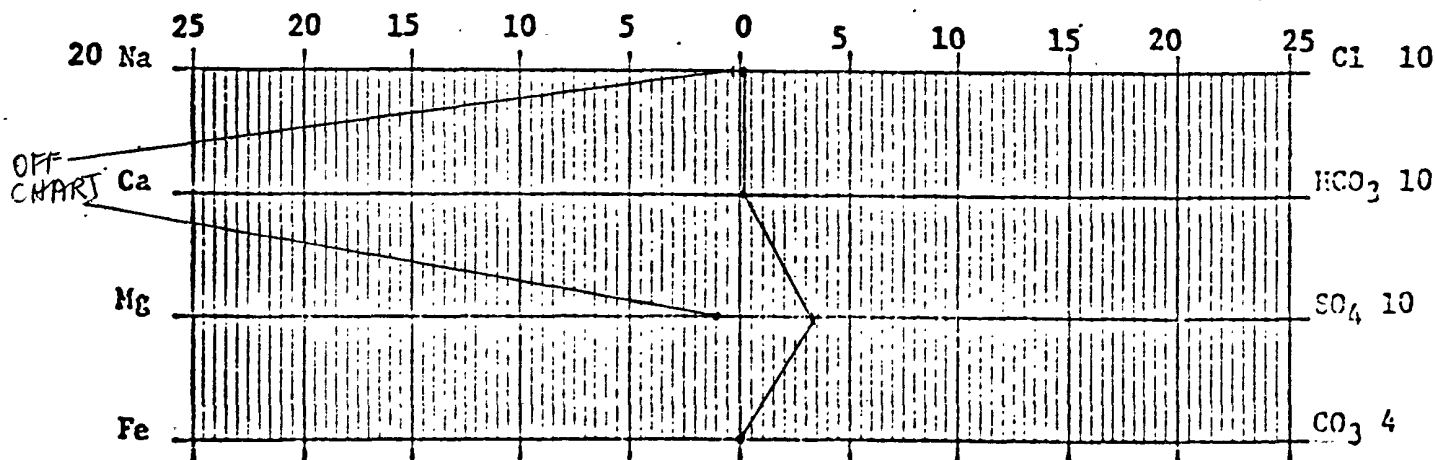
C. B. O'Nan

pH 7.2

Sp. Gr. 1.0035 at 60° F

Resistivity 330 ohm-cm at 75° F

Cheryl Terwilliger
Chemist *WS*



Scale: epm

DAILY DRILLING REPORT

#1446W Redrill

Poser

LEASE

WELL NO.

CONTRACTOR

RIG NO.

REPORT NO.

DATE 7-12-1979

MORNING					DAYLIGHT					EVENING				
Driller		Total Men In Crew			Driller		Total Men In Crew			Driller		Total Men In Crew		
FROM	TO	FORMATION	WT-BIT	R.P.M.	FROM	TO	FORMATION	WT-BIT	R.P.M.	FROM	TO	FORMATION	WT-BIT	R.P.M.

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

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

FROM	TO	TIME BREAKDOWN	FROM	TO	TIME BREAKDOWN	FROM	TO	TIME BREAKDOWN
0	10	SANDSTONE SURFACE	78	82	SANDSTONE	172	217	SHALE
10	30	SANDSTONE	82	100	SAND (Wet)	217	250	SANDY SHALE
30	35	SAND DAMP	100	110	SHALE	250	300	SHALE
35	65	SANDSTONE	110	140	SANDY SHALE			
65	70	SHALE	140	165	SHALE			
70	78	SAND (Wet)	165	172	SANDY SHALE			

REMARKS -			REMARKS -			REMARKS -		
						APPXIMATELY 15 gal per min		
						@ 100'		

SIGNED: Toolpusher

Poser

Company Supervisor

Jeff Murphy

3 30-045- 10152
8 30-045- 20137
215 30-045- 27112

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

Operator MERIDIAN OIL INC. Location: Unit G Sec. 31 Twp 31 Rng 10

Name of Well/Wells or Pipeline Serviced ATLANTIC C #3, #8, #215
cps 2069w

Elevation 6054' Completion Date 1/11/89 Total Depth 360' Land Type* N/A

Casing, Sizes, Types & Depths N/A

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

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

Depths & thickness of water zones with description of water when possible:
Fresh, Clear, Salty, Sulphur, Etc. 40' & 120' NO SAMPLE

Depths gas encountered: N/A

Type & amount of coke breeze used: N/A

Depths anodes placed: 315', 305', 295', 260', 250', 240', 195', 185', 175', 165'

Depths vent pipes placed: 350'

Vent pipe perforations: 320'

Remarks: gb #3

RECEIVED

MAY 31 1991

OIL CON. DIV.

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

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

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

WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

Comp 1-13-89

Drilling Log (Attach Hereto) ☒

Completion Date 1-11-89

CPS #	Well Name, Line or Plant	Work Order #	Static	Ins. Union Check
2069-W	ATLANTIC C. #215	3427A	600'S = .913	☒ Good ☐ Bad
Location:	Anode Size:	Anode Type:	Size Bit:	
631-31-10	2" x 60"	Duriron	6 3/4"	
Depth Drilled	Depth Logged	Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used
360'	345'			
Anode Depth				
# 1 315'	# 2 305'	# 3 295'	# 4 260'	# 5 250'
# 6 240'	# 7 195'	# 8 185'	# 9 175'	# 10 165'
Anode Output (Amps)				
# 1 4.5	# 2 4.7	# 3 4.6	# 4 4.5	# 5 5.1
# 6 4.2	# 7 2.8	# 8 5.2	# 9 4.5	# 10 4.0
Anode Depth				
# 11	# 12	# 13	# 14	# 15
# 16	# 17	# 18	# 19	# 20
Anode Output (Amps)				
# 11	# 12	# 13	# 14	# 15
# 16	# 17	# 18	# 19	# 20
Total Circuit Resistance			No. 8 C.P. Cable Used	No. 2 C.P. Cable Used
Volts 11.97	Amps 23.5	Ohms .509		

Remarks: DRILLED 360'; LOGGED 345'. DRILLER SAID WATER AT 40' & 120' NO SAMPLE. INSTALLED 350' OF 1" PVC VENT PIPE, PERFORATED BOTTOM 320'

* CAN TIE AC INTO EXISTING BURIED CABLE

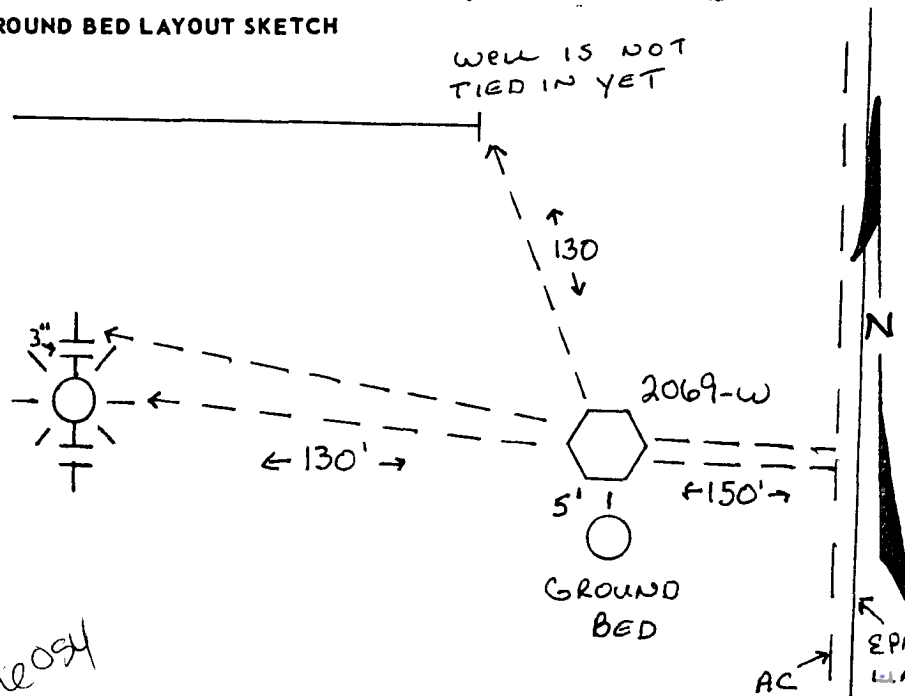
Rectifier Size: 40 V 16 A
 Addn'l Depth
 Depth Credit: 155' 3.50
 Extra Cable: 340' 24
 Ditch & 1 Cable: 415' 70
 25' Meter Pole:
 20' Meter Pole:
 10' Stub Pole:
 Junction Box:

4,074.00
 -542.50 CREDIT ✓
 81.60 EX. CABLE ✓
 290.50 DITCH & 1 ✓
 158.50 STUB POLE ✓
 225.00 J. BOX ✓
 669.00 RECT. ✓
 4,956.10
 247.81 TAX ✓
 5,303.91

All Construction Completed

M. Williams
 (Signature)

GROUND BED LAYOUT SKETCH



_____ DRILLING CO.

Drill No. 2-10

DRILLER'S WELL LOG

S. P. No. 77-11111-1-215 Date 1-10-87

Client Midcon Oil Prospect _____

County Simmons State Ill. 712

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

FROM	TO	FORMATION — COLOR — HARDNESS
<u>0</u>	<u>30</u>	<u>Sand</u>
<u>30</u>	<u>120</u>	<u>Sand, Sandstone</u>
<u>120</u>	<u>210</u>	<u>Shale, Sandy shale</u>
<u>210</u>	<u>230</u>	<u>Sandstone</u>
<u>230</u>	<u>250</u>	<u>Shale, Sandy shale</u>
<u>250</u>	<u>290</u>	<u>Sandstone</u>
<u>290</u>	<u>300</u>	<u>Shale</u>
<u>300</u>	<u>330</u>	<u>Sandstone</u>

Mud _____ Bran _____ Lime _____

Rock Bit Number _____ Make _____

Remarks: Water @ 40'

Driller Ben Matt

4 = 30-045-10046
12 = 30-045-21141

4307

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

(Submit 3 copies to OCD Aztec Office)

Operator MERIDIAN OIL Location: Unit SW Sec. 31 Twp 31 Rng 10

Name of Well/Wells or Pipeline Serviced ATLANTIC C #4, #12

cps 378w

Elevation 6060' Completion Date 5/15/72 Total Depth 360' Land Type* N/A

Casing, Sizes, Types & Depths N/A

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

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

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

Fresh, Clear, Salty, Sulphur, Etc. 100'

Depths gas encountered: N/A

Type & amount of coke breeze used: 7700 lbs.

Depths anodes placed: 320', 310', 300', 290', 270', 260', 250', 240', 160', 135'

Depths vent pipes placed: N/A

Vent pipe perforations: 300'

Remarks: gb #2

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

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

RECEIVED
MAY 31 1991
OIL CON. DIV
DIST 3

El Paso Natural Gas Company
Form 7-238 (Rev. 1-69)WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOGDrilling Log (Attach Hereto). ☐GND BED NO. 2
BY G.C.S.

Completion Date 5-15-72

Well Name Atlantic #4C		Location SW 31-31-10		CPS No. 378W	
Type & Size Bit Used 6 3/4		Work Order No. 184-52545-50-20			
Anode Hole Depth 360	Total Drilling Rig Time	Total Lbs. Coke Used 7700	Lost Circulation Mat'l Used NONE	No. Sacks Mud Used NONE - (air drilling)	
Anode Depth					
# 1 320	# 2 310	# 3 300	# 4 290	# 5 270	# 6 260
# 7 250	# 8 240	# 9 160	# 10 135		
Anode Output (Amps)					
# 1 6.0	# 2 5.0	# 3 4.3	# 4 4.9	# 5 4.7	# 6 4.8
# 7 5.0	# 8 4.8	# 9 4.3	# 10 4.2		
Anode Depth					
# 11	# 12	# 13	# 14	# 15	# 16
# 17	# 18	# 19	# 20		
Anode Output (Amps)					
# 11	# 12	# 13	# 14	# 15	# 16
# 17	# 18	# 19	# 20		
Total Circuit Resistance			No. 8 C.P. Cable Used		
Volts 11.0	Amps 14.3	Ohms 0.76 Ω	No. 2 C.P. Cable Used		

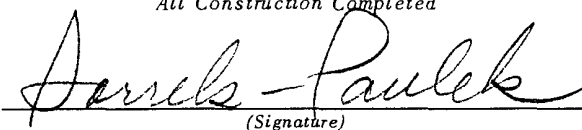
Remarks: Driller said, Blew water out of Hole at 100'

Vent Hose Perforated 300'

Pump 360 shovels, Coke 25' of surface = Est. 72 Bags

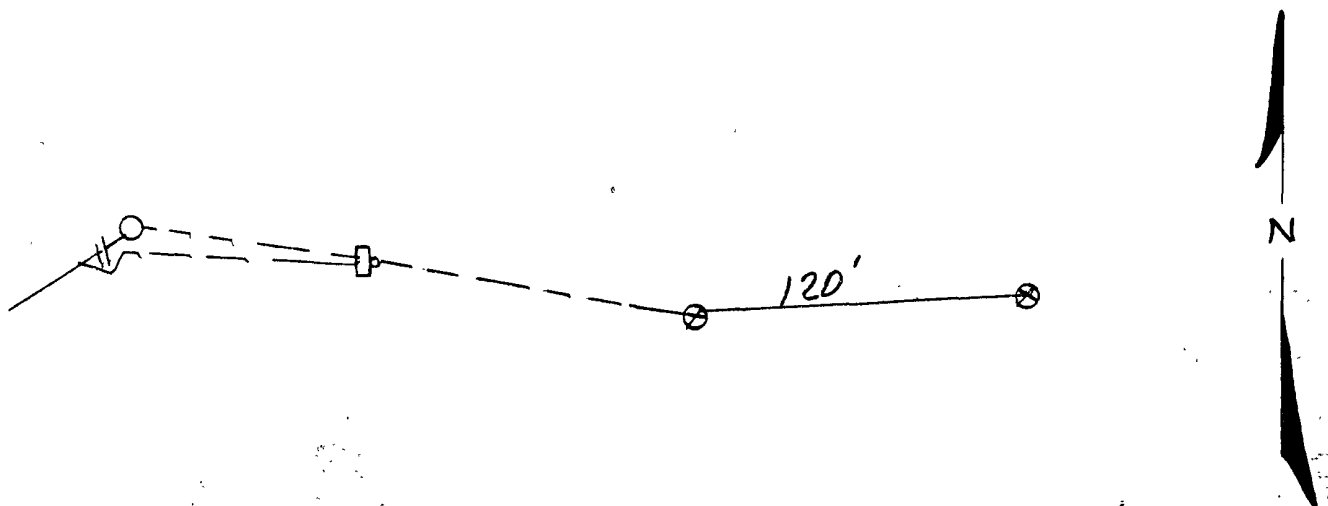
Slurry Est. 5 Bags = 77 Bags Total

All Construction Completed



(Signature)

GROUND BED LAYOUT SKETCH



Original & 1 Copy All Reports

378 w -

MW	gas/mol
16	C ₁ 6.4
30	C ₂ 9.36
44	C ₃ 10.42
58	IC ₄ 12.38
72	NC ₄ 11.93
86	IC ₅ 13.85
100	NC ₅ 13.71
114	IC ₆ 15.50
128	NC ₆ 15.57
142	IC ₇ 17.2
156	NC ₇ 17.46
170	IC ₈ 19.28
184	NC ₈ 19.64
198	IC ₉ 21.67

MW	MSC	gas/mol
44	CO ₂	6.39
16	H ₂	5.11
28	N ₂	4.16
2	H ₂	3.38

80	4.2		60	4.0		Perf. Hose - 300'		
	3.5			4.6		Blew wtr out at 100'		
90	4.0		70	4.2				
	3.4			3.9				
100	2.9		80	3.0				
	2.4			4.55				
10	2.0		90	4.45				
	2.75			4.0		Log	WTR.	Coke
20	4.2		300	4.75	1	320	5.6	4.3
	4.0			4.75	2	310	4.7	3.7
30	3.82		15	4.70	3	300	4.75	3.1
	4.0			5.5	4	290	4.45	3.9
40	2.82		20	5.6	5	270	4.2	3.5
	2.0			4.1	6	260	4.6	3.5
50	2.5		30	4.0	7	250	4.8	3.9
	3.75		20	3.4	8	240	4.55	3.7
60	4.4		40		9	260	4.4	3.0
	3.75				10	135	4.0	3.1
20	3.7		20					
	3.1							
80	2.65		30					
	2.15							
90	1.85		70					
	1.85							
200	1.5		80					
	1.6							
10	2.0							
	2.45							
20	1.8							
	1.5							
70	3.2							
	4.75							
40	4.75							
	4.9							
50	4.8							
	4.6							

11.0 W 14.3 A

Pump. 360 shovels - 25' of surface

C.P.S.# 378w

DAILY DRILLING REPORT

[illegible]

SIGNED: Toolpusher Joe Morrison

Company Supervisor

CAIN 1-A 30-045-21748
CAIN 2 30-045-21830

5216

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

Operator KOCH EXPLORATION COMPANY Location: Unit D Sec. 20 Twp 31 Rng 10

Name of Well/Wells or Pipeline Serviced CAIN-1A & 2

Elevation 6011 Completion Date 8-13-82 Total Depth 320' Land Type 50/50 NM-02814
*F-NM -03187

Casing, Sizes, Types & Depths 7"STEEL @ 55'

If Casing is cemented, show amounts & types used NONE

NONE

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. @-100' & 210'-CLEAR, ALKALI

Depths gas encountered: NONE

Type & amount of coke breeze used: METALLURGICAL, 1400#

Depths anodes placed: 300'-290'-280'-270'-255'-245'-230' 220'-200'-190'

Depths vent pipes placed: 310'

Vent pipe perforations: FROM 190'DOWN

Remarks: _____

RECEIVED

MAR 16 1990

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.

CORROSION CONTROL CO.P. O. BOX 179 — PHONE 334-6361
AZTEC, NEW MEXICO 87410Drilling Log (Attach Hereto). ☐Completion Date August 13, 1982

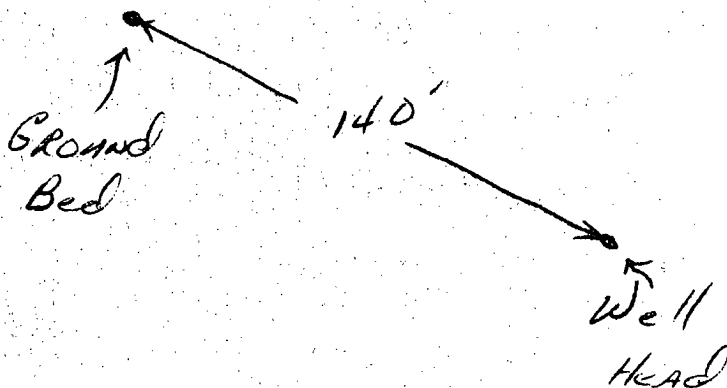
Well Name <u>Cain #1-A+2</u>				Location <u>Koch</u>						
Type & Size Bit Used <u>6 1/4"</u>				Work Order No.						
Anode Hole Depth <u>320'</u>		Total Drilling Rig Time <u>14 hrs</u>		Total Lbs. Coke Used <u>1400 #</u>		Lost Circulation Mat'l Used		No. Sacks Mud Used		
Anode Depth	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
	<u>300</u>	<u>290</u>	<u>280</u>	<u>270</u>	<u>255</u>	<u>245</u>	<u>230</u>	<u>220</u>	<u>200</u>	<u>190</u>
Anode Output (Amps)	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
	<u>4.0</u>	<u>4.3</u>	<u>4.1</u>	<u>4.0</u>	<u>3.7</u>	<u>4.0</u>	<u>4.4</u>	<u>4.3</u>	<u>4.6</u>	<u>4.5</u>
Anode Depth	#11	#12	#13	#14	#15	#16	#17	#18	#19	#20
Anode Output (Amps)	#11	#12	#13	#14	#15	#16	#17	#18	#19	#20
Total Circuit Resistance				No. 8 C.P. Cable Used				No. 2 C.P. Cable Used		
Volts	<u>11.8</u>	Amps	<u>22.2</u>	Ohms	<u>0.53</u>	<u>2680'</u>				

Remarks: Had to set 55' of 7" steel casing due to rocks.
Water at 100' & 210'. Used 320' of 3/4" test pipe.

Power From Lambe-245

All Construction Completed

Cody Munkres
(Signature)

GROUND BED LAYOUT SKETCH

2-30-045-10472

5-30-045-20548

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICOOperator Meridian Oil Inc. Location: Unit M Sec. 19 Twp 31 Rng 10

Name of Well/Wells or Pipeline Serviced _____

Crandell #2 and #5Elevation _____ Completion Date 8/19/94 Total Depth 370' Land Type FCasing Strings, Sizes, Types & Depths 8/18 Set 100' of 8" PVC Casing.NO GAS or WATER, BUT 40' (43'-83') of Boulders Were Encountered During Casing.If Casing Strings are cemented, show amounts & types used CementedWITH 22 SACKS.

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

NONE

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

Salty, Sulphur, Etc. HIT SOME FRESH WATER AT 115', AND MOREFRESH WATER AT 200'. A WATER SAMPLE WAS TAKEN.Depths gas encountered: NONEGround bed depth with type & amount of coke breeze used: 370' Depth.USED 44 SACKS OF LORESCO SW + 2 SACKS OF ASBURY 218R (4500#)Depths anodes placed: 350', 342', 334', 325', 274', 266', 258', 250', 242', 230', 192', 184', 158', 150', + 140'.Depths vent pipes placed: SURFACE TO 370'.Vent pipe perforations: BOTTOM 250'.

Remarks: _____

RECEIVED
R JAN 20 1995 DOIL 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.

2A = 30-045-22109

6 = 30-045-20541 3647

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICOOperator Meridian Oil Co. Location: Unit C Sec. 19 Twp 31 Rng 10

Name of Well/Wells or Pipeline Serviced _____

Crandell #2A AND #6Elevation _____ Completion Date 4-4-93 Total Depth 375' Land Type PCasing Strings, Sizes, Types & Depths 12/3 Set 98' of 8" PVC Casing.NO WATER, OR GAS, BUT 38' OF RIVER BOULDERS WERE ENCOUNTERED DURING CASING.If Casing Strings are cemented, show amounts & types used CementedWITH 26 SACKS

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

N/A

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

Salty, Sulphur, Etc. 120' FreshDepths gas encountered: NONEGround bed depth with type & amount of coke breeze used: 375'52 SACKS OF LorescoDepths anodes placed: 325, 300, 285, 275, 265, 255, 245, 235, 225, 195, 185, 175, 165, 155, 145'Depths vent pipes placed: 375'Vent pipe perforations: Bottom 255'

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.

API WATER ANALYSIS REPORT FORM

Laboratory No. 25-930417-1K

Company MERIDIAN OIL		Sample No.		Date Sampled 4/4/93
Field 4139W	Legal Description	County or Parish	State	
Lease or Unit CRAWFORD	Well 112A & #6	Depth	Formation	Water, B/D
Type of Water (Produced, Supply, etc.)		Sampling Point Groundwater	Sampled By R. Bishop	

DISSOLVED SOLIDS

CATIONS

	mg/l	me/l
Sodium, Na (calc.)	1900	84
Calcium, Ca	381	19.3
Magnesium, Mg	2	0.2
Barium, Ba		

OTHER PROPERTIES

pH	9.6
Specific Gravity, 60/60 F.	1.0102
Resistivity (ohm-meters) 76 F.	1.25

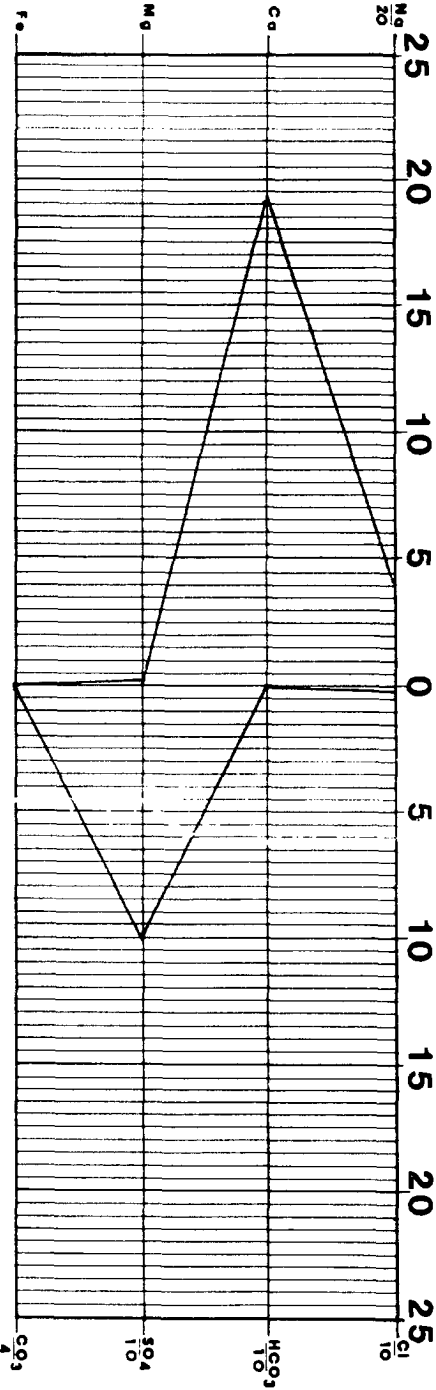
Total Dissolved Solids (calc.)

7300

ANIONS

Chloride, Cl	78	2.2
Sulfate, SO ₄	4900	100
Carbonate, CO ₃	20	0.6
Bicarbonate, HCO ₃		

REMARKS & RECOMMENDATIONS:



Date Received April 16, 1993	Preserved	Date Analyzed May 26, 1993	Analyzed By R.H.
--	-----------	--------------------------------------	----------------------------



TECH, Inc.
 333 East Main
 Farmington
 New Mexico
 87401
 505/327-3311

30-045-22976

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

Operator TENNECO Location: Unit NW Sec. 32 Twp 31 Rng 10
Name of Well/Wells or Pipeline Serviced EPNG COM B #3A
cps 145lw
Elevation 6120' Completion Date 6/28/79 Total Depth 380' Land Type* N/A
Casing, Sizes, Types & Depths N/A
If Casing is cemented, show amounts & types used N/A
If Cement or Bentonite Plugs have been placed, show depths & amounts used
N/A
Depths & thickness of water zones with description of water when possible:
Fresh, Clear, Salty, Sulphur, Etc. DAMP AT 35', 75' WET AT 100' SAMPLE TAKEN
Depths gas encountered: N/A
Type & amount of coke breeze used: 40 SACKS
Depths anodes placed: 355', 345', 335', 325', 315', 305', 295', 270', 260', 250'
Depths vent pipes placed: 380'
Vent pipe perforations: 280'
Remarks: GB # 1 NOT A MERIDIAN WELL.

RECEIVED
MAY 31 1991
OIL CON. DIV.
DIST. 3

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

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

El Paso Natural Gas Company
Form 7-238 (Rev. 11-71)WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOGDrilling Log (Attach Hereto). ☐

CONTACT #2 2 x 60 ANODES

Completion Date 6-28-79

Well Name EPNG Com B # 3A		Location NW 32-31-10		CPS No. 1451 W	
Type & Size Bit Used 6 3/4				Work Order No. 57422-21	
Anode Hole Depth 380' 1099ed 380'	Total Drilling Rig Time	Total W. Coke Used 40 SACKS	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
# 1 355	# 2 345	# 3 335	# 4 325	# 5 315	# 6 305
# 7 295	# 8 270	# 9 260	# 10 250		
Anode Output (Amps)					
# 1 3.1	# 2 3.2	# 3 3.4	# 4 3.1	# 5 4.1	# 6 4.0
# 7 3.0	# 8 4.2	# 9 4.9	# 10 4.6		
Anode Depth					
# 11	# 12	# 13	# 14	# 15	# 16
# 17	# 18	# 19	# 20		
Anode Output (Amps)					
# 11	# 12	# 13	# 14	# 15	# 16
# 17	# 18	# 19	# 20		
Total Circuit Resistance				No. 8 C.P. Cable Used	
Volts 11.7		Amps 15.1		Ohms .77	
				No. 2 C.P. Cable Used	

Remarks: DRILLER said damp at 35', 75', wet at 100'. waited 20 min
Blew WATER got WATER sample.
INSTALLED 380' of 1" VENT PIPE PERFORATED 280' of VENT PIPE
SLURRIED 40 SACKS of COKE

1 40V 16A Rect

1 Stub Pole

Ditch - 1 cable 196'

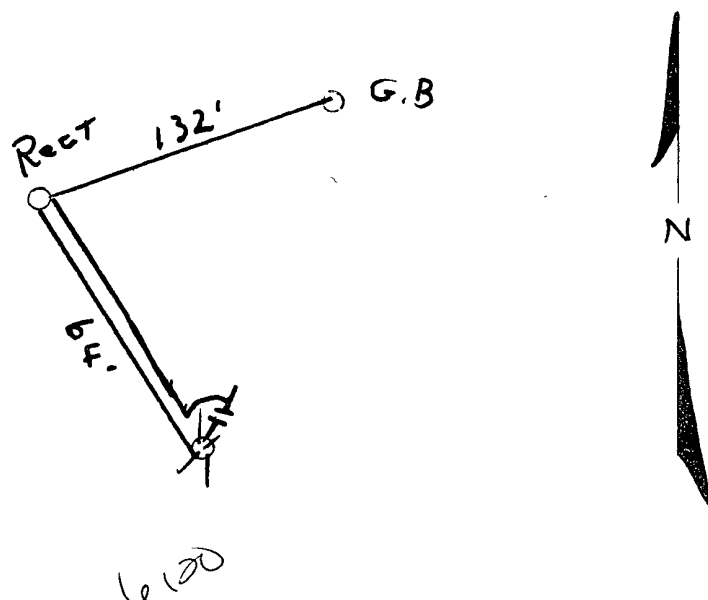
EXTRA cable 84'

Hole - 120'

All Construction Completed


 (Signature)

GROUND BED LAYOUT SKETCH



DISTRIBUTION:

WHITE - Division Corrosion Office

YELLOW - Area Corrosion Office

PINK - Originator File

EPNG com B^{II} 3A
NW 32-31-10
W/D 57422-21
CPS 1451 W

CONTRACT # 2 2x60 ANODES

STATIC 600 E = .80

1 40V/6A Rect
1 STD Pole
Ditch 1 Cable 196'
EXTRA Cable 84'
Hole - 120

Driller said damp at 35-75 & 100'
waited 20 min at 100', blew water
out water sample
Installed 380' of 1" vent pipe, persons
280' of vent. Sturried 40 sack of soil

MW	gals/mol	
16.04	C ₁	6.4
30.07	C ₂	10.12
44.10	C ₃	10.42
58.12	iC ₄	12.38
58.12	nC ₄	11.93
72.15	iC ₅	13.85
72.15	nC ₅	13.71
86.18	iC ₆	15.50
86.18	C ₆	15.57
100.21	iC ₇	17.2
100.21	C ₇	17.46
114.23	C ₈	19.39
28.05	C ₂ ²⁻	9.64
42.08	C ₃ ²⁻	9.67

MW	MISC. gals/mol	
32.00	O ₂	3.37
28 01	CO	4 19
44 01	CO ₂	6 38
64 06	SO ₂	5 50
34.08	H ₂ S	5.17
28 01	N ₂	4 16
2 02	H ₂	3 38

75	5	50	2.4 (10)	6-27-79	1 hr
80	6		2.3	6-28-79	8 hr
	7				
90	13	60	2.5 (9)		
	8		2.5		
100	5	70	2.5 (8)		
	4		2.4		
10	5		2.0		
	4		1.9		
20	4		2.3		
	3		2.3 (7)		
30	6		2.3		
	5		2.5 (6)		
40	5		2.7		
	3		2.7 (5)		
50	3		2.4		
	1.2		2.1 (4)		
60	1.9		2.1		
	1.6		2.2 (3)		
70	1.6		2.1		
	1.8		2.1 (2)		
	1.6		2.1		
	1.5		2.1 (1)		
	1.4		1.6		
	1.2		1.5		
	1.0		2.3		
	1.5		2.5		
	1.5				
	1.4				
	1.3				
	1.1				
	1.8				
	1.6				
	2.2				
	2.3				

335	2.5	3.1
345	2.5	3.2
335	2.7	3.4
325	2.6	3.1
315	3.1	4.1
305	3.0	4.0
295	2.4	3.0
270	2.8	4.2
260	3.3	4.9
250	3.1	4.6

11.7 V 15.1 μ .77 Ω

EL PASO NATURAL GAS COMPANY
SAN JUAN DIVISION
FARMINGTON, NEW MEXICO
PRODUCTION DEPARTMENT WATER ANALYSIS

Analysis No. 1-0623 Date 7-11-79

Operator EPNG Well Name EPNG COM B # 3A

Location NW 32-31-10 County SAN JUAN State NM

Field Formation

Sampled From CPS 1451W

Date Sampled By

Tbg. Press. Csg. Press. Surface Csg. Press.

	ppm	epm		ppm	epm
Sodium	<u>230</u>	<u>10</u>	Chloride	<u>80</u>	<u>2</u>

Calcium	<u>624</u>	<u>31</u>	Bicarbonate	<u>78</u>	<u>1</u>
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Magnesium	<u>25</u>	<u>2</u>	Sulfate	<u>1900</u>	<u>40</u>
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Iron	<u>PRESENT</u>	<u></u>	Carbonate	<u>0</u>	<u>0</u>
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H ₂ S	<u>ABSENT</u>	<u></u>	Hydroxide	<u>0</u>	<u>0</u>
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cc: D.C.Adams
R.A.Ullrich
E.R.Paulek
J.W.McCarthy
A.M.Smith
W.B.Shropshire
File
C. B. O'Nan

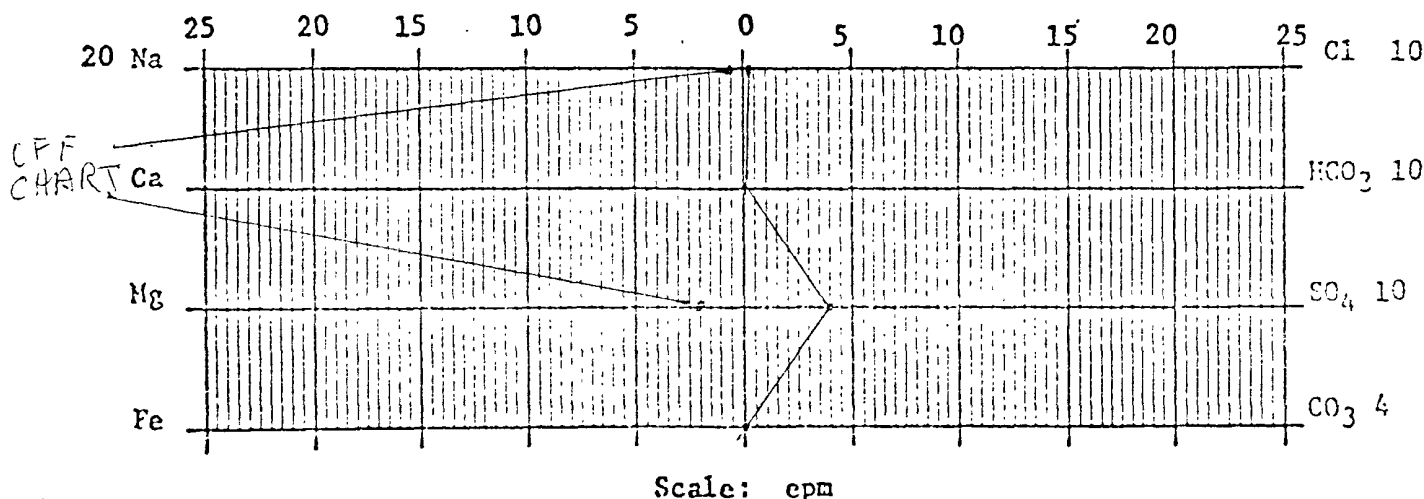
Total Solids Dissolved 3380

pH 7.6

Sp. Gr. 1.0037 at 60°F

Resistivity 280 ohm-cm at 74°F

Chemist



#11 30-045-21375
#3 30-045-10071DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICO

(Submit 3 copies to OCD Aztec Office)

Operator TENNECO Location: Unit SW Sec. 32 Twp 31 Rng 10Name of Well/Wells or Pipeline Serviced EPNG COM J 11, EPNG COM B #3cps 370wElevation 6143' Completion Date 6/1/63 Total Depth 200' Land Type* N/ACasing, Sizes, Types & Depths N/AIf Casing is cemented, show amounts & types used N/AIf Cement or Bentonite Plugs have been placed, show depths & amounts used
N/ADepths & thickness of water zones with description of water when possible:
Fresh, Clear, Salty, Sulphur, Etc. N/ADepths gas encountered: N/AType & amount of coke breeze used: 1600 lbs.Depths anodes placed: 185', 175', 165', 150', 140'Depths vent pipes placed: N/AVent pipe perforations: N/ARemarks: qb #1 not a MERIDIAN well.RECEIVED
MAY 31 1991
OIL CON. 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.

WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

DATE 6-1-63WELL NAME FRING. STATE #3CPS NO. 370-WLOCATION 32 -31N -10WWORK ORDER NUMBER 194-40542-50-02ANODE HOLE DEPTH 200'TOTAL DRILLING RIG TIME 6 1/2 hrsDRILLING TIME FOR RECTIFIER POLE HOLE 0TYPE AND SIZE BIT USED 0NUMBER SACKS MUD USED 0NUMBER SACKS LOST CIRCULATION MAT'L USED 0ANODE DEPTHS #1 185', #2 175', #3 165', #4 150' 5 140'TOTAL LBS. COKE USED 1600 165 16 sacksANODE OUTPUTS 12 VOLTS, #1 4.1, #2 5.5, #3 5.0, #4 5.6 5 5.5TOTAL CIRCUIT RESISTANCE: VOLTS 10.5 AMPERES 12.3 OHMS .83NUMBER FEET SURFACE CABLE CABLE 349' #8 solid

DRILLING LOG (ATTACH HERETO).

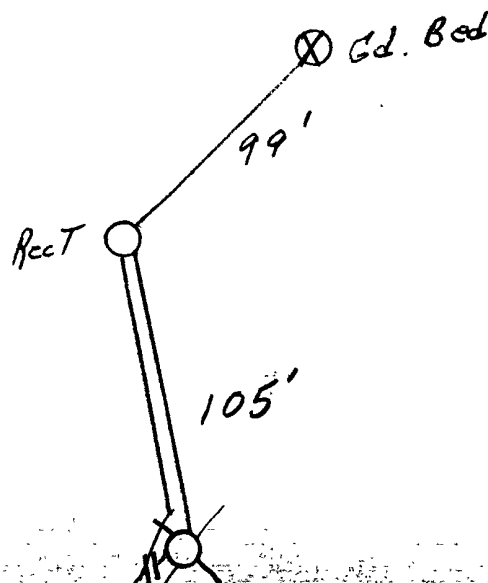
FORMATION LOG (ATTACH HERETO).

REMARKS: Static $\gamma_s = .87 R$ 600' WInstalled Hood - All Rect 25V - 12A ser^m 62C6/12Note: All Anodes made up with #8 solid

ALL CONSTRUCTION COMPLETED

P. Paulk
SIGNATURE

GROUND BED LAYOUT SKETCH



ORIGINAL & 1 COPY
ALL REPORTS

1246

CONTINUATION

37012

DAILY DRILLING REPORT

LEASE APPO STATE WELL NO. 3 COUNTY LE. WISCON RIG NO. D-2 REPORT NO. 201/10-1 DATE 10/1/60

MORNING

DAYLIGHT

EVENING

TIME		FORMATION		TIME		FORMATION	
FROM	TO	NO.	SIZE	NO.	SIZE	NO.	SIZE
0623	0628	5.4	SS.	11			
64	154	SS.					
154	200	SH.					
BIT NO.		NO. OF SIZE		NO. OF SIZE		NO. OF SIZE	
34981		NO. OF SIZE		NO. OF SIZE		NO. OF SIZE	
64		STANDS		STANDS		STANDS	
Rock		SINGLES		SINGLES		SINGLES	
DOWN ON KELL		DOWN ON KELL		DOWN ON KELL		DOWN ON KELL	
TOTAL DEPTH		TOTAL DEPTH		TOTAL DEPTH		TOTAL DEPTH	
200'		200'		200'		200'	
MUD RECORD		MUD ADDITIVES USED AND RECEIVED		MUD ADDITIVES USED AND RECEIVED		MUD ADDITIVES USED AND RECEIVED	
TIME		TIME		TIME		TIME	
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TIME							

1A = 30-045-21692
4 = 30-045-21898

5229

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

Operator KOCH EXPLORATION COMPANY Location: Unit D Sec. 21 Twp 31 Rng 10

Name of Well/Wells or Pipeline Serviced LAMBE 1-A AND 4

Elevation 6151 Completion Date 8-6-82 Total Depth 320' Land Type* F-NM-03187

Casing, Sizes, Types & Depths 7" STEEL @-87'

If Casing is cemented, show amounts & types used NONE

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. @-90' AND 180'-CLEAR SULPHUR & ALKALI

Depths gas encountered: NONE

Type & amount of coke breeze used: METALLURGICAL--1200#

Depths anodes placed: 300'-290'-280'-250'-235'-225'-215'-205'-195'-185'

Depths vent pipes placed: 300'

Vent pipe perforations: FROM 180' DOWN

Remarks: _____

RECEIVED
MAR 16 1990

OIL CON. DIV
EST. 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.

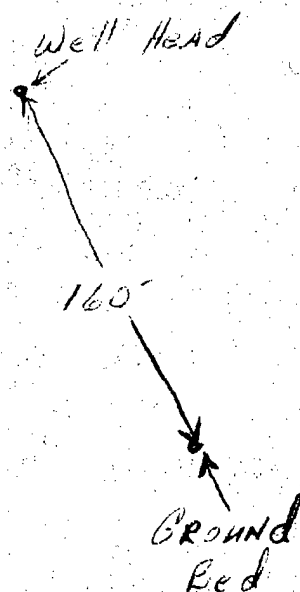
CORROSION CONTROL CO.P. O. BOX 179 — PHONE 334-6361
AZTEC, NEW MEXICO 87410Drilling Log (Attach Hereto). ☐Completion Date 8-6-82

Well Name <u>Lambe #1-A & 4</u>		Location <u>Kech</u>			
Type & Size Bit Used <u>6 1/4"</u>				Work Order No.	
Anode Hole Depth <u>320'</u>	Total Drilling Rig Time <u>10 hrs</u>	Total Lbs. Coke Used <u>1200</u>	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
#1 <u>300</u>	#2 <u>290</u>	#3 <u>280</u>	#4 <u>250</u>	#5 <u>235</u>	#6 <u>225</u>
#7 <u>215</u>	#8 <u>205</u>	#9 <u>195</u>	#10 <u>185</u>		
Anode Output (Amps)					
#1 <u>4.6</u>	#2 <u>4.5</u>	#3 <u>4.5</u>	#4 <u>5.2</u>	#5 <u>5.5</u>	#6 <u>5.9</u>
#7 <u>6.8</u>	#8 <u>7.1</u>	#9 <u>6.8</u>	#10 <u>5.5</u>		
Anode Depth					
#11	#12	#13	#14	#15	#16
#17	#18	#19	#20		
Anode Output (Amps)					
#11	#12	#13	#14	#15	#16
#17	#18	#19	#20		
Total Circuit Resistance				No. 8 C.P. Cable Used	No. 2 C.P. Cable Used
Volts <u>11.7</u>	Amps <u>26.0</u>	Ohms <u>.45</u>		<u>2580'</u>	

Remarks: Set 87' of steel casing due to boulders
& gravel. Water at 90' & 180'. Used 320' of vent
pipe.

All Construction Completed

Cody Munkers
 (Signature)

GROUND BED LAYOUT SKETCH

1 = 30-045-10462
7 = 30-045-21901

5230

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

Operator KOCH EXPLORATION COMPANY Location: Unit M Sec. 21 Twp 31 Rng 10

Name of Well/Wells or Pipeline Serviced LAMBE-1 AND 7

Elevation 6125 Completion Date 8-30-1982 Total Depth 280' Land Type *F-NM-03187

Casing, Sizes, Types & Depths 7" STEEL @-44'

If Casing is cemented, show amounts & types used NONE

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. @-145' SULPHUR & Alkali

Depths gas encountered: NONE

Type & amount of coke breeze used: METALLURGICAL--1000 #

Depths anodes placed: 260'-250'-240'-230'-220'-210'-200'-190'-180'-170'

Depths vent pipes placed: 270'

Vent pipe perforations: FROM 170' DOWN

Remarks: _____

RECEIVED

MAY 6 1990

OIL CON. D
OCT. 1

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

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

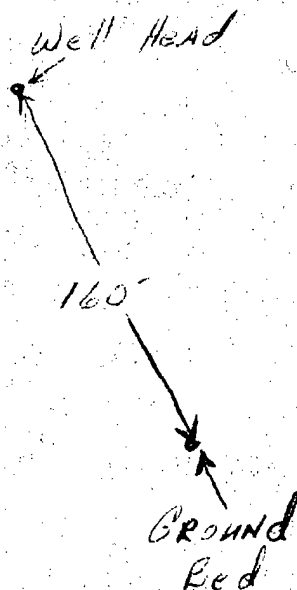
CORROSION CONTROL CO.P. O. BOX 179 — PHONE 334-6361
AZTEC, NEW MEXICO 87410Drilling Log (Attach Hereto). ☐Completion Date 8-6-82

Well Name <u>Lambe #1-A & 4</u>		Location <u>Kech</u>			
Type & Size Bit Used <u>6 1/4"</u>				Work Order No.	
Anode Hole Depth <u>320'</u>	Total Drilling Rig Time <u>10 hrs</u>	Total Lbs. Coke Used <u>1200</u>	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
#1 <u>300</u>	#2 <u>290</u>	#3 <u>280</u>	#4 <u>250</u>	#5 <u>235</u>	#6 <u>225</u>
#7 <u>215</u>	#8 <u>205</u>	#9 <u>195</u>	#10 <u>185</u>		
Anode Output (Amps)					
#1 <u>4.6</u>	#2 <u>4.5</u>	#3 <u>4.5</u>	#4 <u>5.2</u>	#5 <u>5.5</u>	#6 <u>5.9</u>
#7 <u>6.8</u>	#8 <u>7.1</u>	#9 <u>6.8</u>	#10 <u>5.5</u>		
Anode Depth					
#11	#12	#13	#14	#15	#16
#17	#18	#19	#20		
Anode Output (Amps)					
#11	#12	#13	#14	#15	#16
#17	#18	#19	#20		
Total Circuit Resistance				No. 8 C.P. Cable Used	No. 2 C.P. Cable Used
Volts <u>11.7</u>	Amps <u>26.0</u>	Ohms <u>.45</u>		<u>2580'</u>	

Remarks: Set 87' of steel casing due to boulders
& gravel. Water at 90' & 180'. Used 320' of vent
pipe.

All Construction Completed

Cody Munkers
 (Signature)

GROUND BED LAYOUT SKETCH

2 = 30-045-10594
5 = 30-045-21899

5228

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

Operator BCH EXPLORATION COMPANY Location: Unit A Sec. 20 Twp 31 Rng 10

Name of Well/Wells or Pipeline Serviced LAMBE-2 & 5

Elevation 6079' Completion Date 8-6-82 Total Depth 200' Land Type *F-NM-03187

Casing, Sizes, Types & Depths 7" STEEL @-24'

If Casing is cemented, show amounts & types used NONE

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. @-65' CLEAR SULPHUR & ALKALI

Depths gas encountered: NONE

Type & amount of coke breeze used: METALLURGICAL--1200#

Depths anodes placed: 150'-150'-140'-130'-120'-110'-100'-90'-80'-70'

Depths vent pipes placed: 200'

Vent pipe perforations: FROM 70' DOWN

Remarks:

RECEIVED

MAR 16 1983

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.

CORROSION CONTROL CO.

P. O. BOX 179 - PHONE 334-6361

AZTEC, NEW MEXICO 87410

Drilling Log (Attach Hereto). ☐Completion Date August 6, 1982

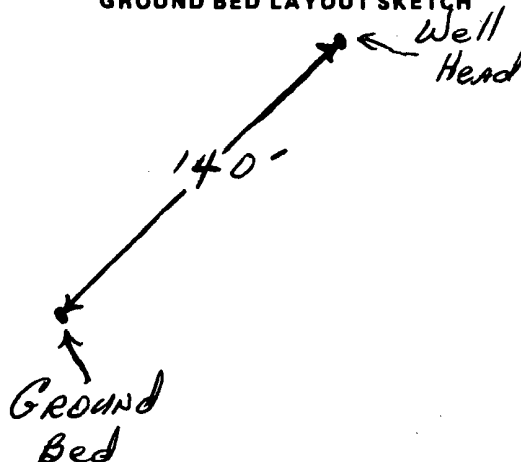
Well Name <u>Lambe #2 + 5</u>				Location <u>Kech</u>					
Type & Size Bit Used <u>6 1/4"</u>								Work Order No.	
Anode Hole Depth <u>200'</u>		Total Drilling Rig Time <u>7 hrs</u>		Total Lbs. Coke Used <u>12.00</u>		Lost Circulation Mat'l Used		No. Sacks Mud Used	
Anode Depth									
#1 <u>160</u>	#2 <u>150</u>	#3 <u>140</u>	#4 <u>130</u>	#5 <u>120</u>	#6 <u>110</u>	#7 <u>100</u>	#8 <u>90</u>	#9 <u>80</u>	#10 <u>70</u>
Anode Output (Amps)									
#1 <u>4.5</u>	#2 <u>4.7</u>	#3 <u>5.2</u>	#4 <u>6.3</u>	#5 <u>6.4</u>	#6 <u>6.1</u>	#7 <u>5.9</u>	#8 <u>5.4</u>	#9 <u>6.3</u>	#10 <u>5.8</u>
Anode Depth									
#11	#12	#13	#14	#15	#16	#17	#18	#19	#20
Anode Output (Amps)									
#11	#12	#13	#14	#15	#16	#17	#18	#19	#20
Total Circuit Resistance				No. 8 C.P. Cable Used				No. 2 C.P. Cable Used	
Volts <u>11.7</u>		Amps <u>27.4</u>		Ohms <u>243</u>		<u>1350'</u>			

Remarks: Had to set 24' of 7" steel casing due to rocks.
Water at 65'. Used 200' of 3/4" vent pipe.

All Construction Completed

Cody Murphy
 (Signature)

GROUND BED LAYOUT SKETCH



30-045-21695

5225

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

Operator KOCH EXPLORATION COMPANY Location: Unit P Sec. 21 Twp 31 Rng 10Name of Well/Wells or Pipeline Serviced LAMBE-3-AElevation 6219 Completion Date 8-31-82 Total Depth 300' Land Type* F-NM-03187Casing, Sizes, Types & Depths NONEIf Casing is cemented, show amounts & types used NONEIf Cement or Bentonite Plugs have been placed, show depths & amounts used NONEDepths & thickness of water zones with description of water when possible:
Fresh, Clear, Salty, Sulphur, Etc. @-140' AND 280' SULPHUR & ALKALIDepths gas encountered: NONEType & amount of coke breeze used: METALLURGICAL--1800#Depths anodes placed: 270'-260'-240'-210'-200'-190'-180'-170'-160'-150'-Depths vent pipes placed: 290'Vent pipe perforations: FROM 150' DOWNRemarks:

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MAR 16 1990

OIL CON. DIV

EXT. 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.

CORROSION CONTROL CO.P. O. BOX 179 - PHONE 334-6361
AZTEC, NEW MEXICO 87410Drilling Log (Attach Hereto). ☐Completion Date August 31, 1982

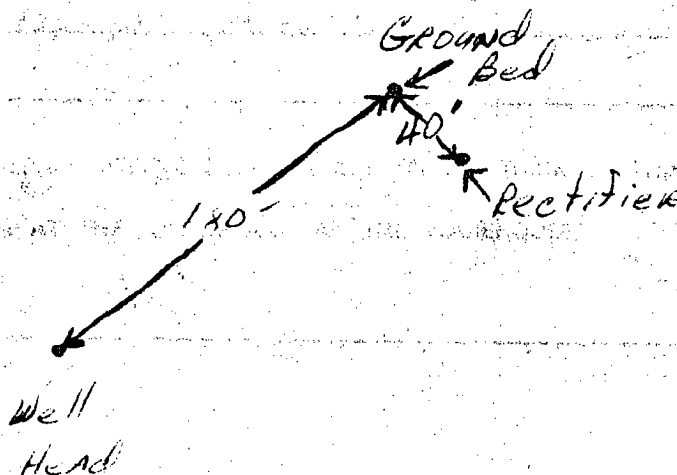
Well Name <u>Lane #3-A</u>		Location <u>Koch</u>			
Type & Size Bit Used <u>6 3/4"</u>				Work Order No.	
Anode Hole Depth <u>300'</u>	Total Drilling Rig Time <u>7 hrs</u>	Total Lbs. Coke Used <u>1800 #</u>	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
#1 <u>270</u>	#2 <u>260</u>	#3 <u>240</u>	#4 <u>210</u>	#5 <u>200</u>	#6 <u>190</u>
#7 <u>180</u>	#8 <u>170</u>	#9 <u>160</u>	#10 <u>150</u>		
Anode Output (Amps)					
#1 <u>3.0</u>	#2 <u>3.5</u>	#3 <u>3.7</u>	#4 <u>4.1</u>	#5 <u>4.9</u>	#6 <u>4.7</u>
#7 <u>4.2</u>	#8 <u>5.1</u>	#9 <u>4.9</u>	#10 <u>3.9</u>		
Anode Depth					
#11	#12	#13	#14	#15	#16
#17	#18	#19	#20		
Anode Output (Amps)					
#11	#12	#13	#14	#15	#16
#17	#18	#19	#20		
Total Circuit Resistance				No. 8 C.P. Cable Used	No. 2 C.P. Cable Used
Volts <u>11.6</u>	Amps <u>22.7</u>	Ohms <u>.51</u>		<u>2250'</u>	

Remarks: Water at 140' & 280'. Used 300' of 3/4" West pipe.

We are on El Paso Power

El Paso is on our Ground bed
for their sun ray PC well

All Construction Completed

Cody Munk
(Signature)**GROUND BED LAYOUT SKETCH**

1 - 30-045-10340
6 - 30-045-20439

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

Operator Meridian Oil Inc. Location: Unit H Sec. 30 Twp 31 Rng 10

Name of Well/Wells or Pipeline Serviced _____

Pierce #1 And #6

Elevation _____ Completion Date 8/16/94 Total Depth 354' Land Type F

Casing Strings, Sizes, Types & Depths 8/4 Set 99' of 8" PVC Casing.

NO GAS OR WATER, BUT 12' (45'-57') of Boulders were Encountered During Casing.

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

WITH 20 SACKS.

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

Used 5 SACKS Cement, To Place A 15' (100'-115') Plug, To Stop WATER, AND A SLIGHT AMOUNT OF GAS

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

Salty, Sulphur, Etc. HIT SOME FRESH WATER AT 260', AND MORE FRESH

WATER AT 350'. A WATER SAMPLE WAS TAKEN.

Depths gas encountered: 350'

Ground bed depth with type & amount of coke breeze used: 354' Depth.

Used 58 SACKS OF Asbury 218R, AND 13 SACKS OF Lotesco SW (4200#)

Depths anodes placed: 335', 327', 319', 311', 303', 295', 287', 279', 271', 236', 228', 220', 190', 155', + 145'.

Depths vent pipes placed: SURFACE TO 354'.

Vent pipe perforations: BOTTOM 220'.

Remarks: _____

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JAN 20 1995

OIL CON. DIV.
DIST. 3

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

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

If Federal or Indian, add Lease Number.

#2A → 30-045-22453
#5 → 30-045-20449DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICOOperator Meridian Oil Co. Location: Unit E Sec. 30 Twp 31 Rng 10

Name of Well/Wells or Pipeline Serviced _____

Pierce #2A AND #5Elevation _____ Completion Date 4/22/93 Total Depth 400 Land Type FCasing Strings, Sizes, Types & Depths 4/17 SET 92' OF 8" PVC CASINGNO GAS, OF WATER, BUT 54' (35'-89') OF BOULDERS WERE ENCOUNTERED DURING CASING.If Casing Strings are cemented, show amounts & types used CementedWITH 38 SACKS. Added 10 sacks on 4/20/93

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. 100', CLEARDepths gas encountered: NoneGround bed depth with type & amount of coke breeze used: 392', 35 bagslorasco type saw coke & 38 bags Asbury, grade 4518.Depths anodes placed: 370, 360, 335, 305, 295, 285, 270, 260, 250215, 205, 190, 180, 160, 150
Depths vent pipes placed: 392'Vent pipe perforations: Bottom 290'

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.

API WATER ANALYSIS REPORT FORM

Laboratory No. 25-30520-25

Company Meridian Cal		Sample No.		Date Sampled 4-22-93
Field 5087 W	Legal Description E 30 31 10	County or Parish		State
Lease or Unit 5218	Well Pierce 2A & S	Depth	Formation	Water, B/D
Type of Water (Produced, Supply, etc.)		Sampling Point	Sampled By Dennis Torres	

DISSOLVED SOLIDS

CATIONS

Sodium, Na (calc.)	mg/l	me/l
Calcium, Ca	160	7.0
Magnesium, Mg	15	1.2
Barium, Ba		

OTHER PROPERTIES

pH	
Specific Gravity, 60/60 F.	
Resistivity (ohm-meters) $^{\circ}\text{K}$ F.	

ANIONS

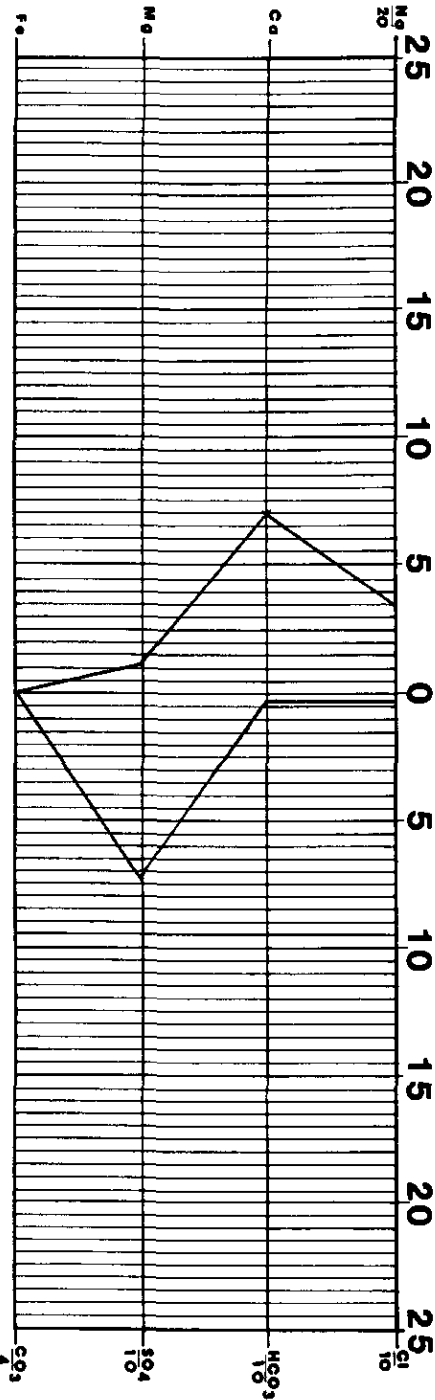
Chloride, Cl	100	3.0
Sulfate, SO_4	3500	7.3
Carbonate, CO_3		
Bicarbonate, HCO_3	160	2.6

Total Dissolved Solids (calc.)

5,500

Iron, Fe (total)
Sulfide, as H_2S

REMARKS & RECOMMENDATIONS:



Date Received Mar 2016, 1993	Preserved	Date Analyzed June 1993	Analyzed By R.H.
--	-----------	-----------------------------------	----------------------------



TECH, Inc.
 333 East Main
 Farmington
 New Mexico
 87401
 505/327-3311

1 = 30-045-10171

3853

2 = 30-045-21170

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICOOperator Meridian Oil Co. Location: Unit B Sec. 32 Twp 31 Rng 10

Name of Well/Wells or Pipeline Serviced _____

SUNRAY K Com #1 And SUNRAY A Com #2Elevation _____ Completion Date 4-4-93 Total Depth 395' Land Type _____Casing Strings, Sizes, Types & Depths SET 99' OF 8" PVC CASINGNO Boulders or Gas During CASINGIf Casing Strings are cemented, show amounts & types used CementedWITH 20 SACKS

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

N/ADepths & thickness of water zones with description of water: Fresh, Clear,
Salty, Sulphur, Etc. FRESH WATER AT 60' DURING CASINGDepths gas encountered: NONEGround bed depth with type & amount of coke breeze used: 395' Lorescotype SWDepths anodes placed: 380, 370, 363, 350, 340, 330, 320, 310, 300, 290, 235, 225, 215, 205, 195Depths vent pipes placed: 395'Vent pipe perforations: Bottom 270'

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.

2928

30-045-22391

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

Operator MERIDIAN OIL Location: Unit SE Sec. 32 Twp 31 Rng 10Name of Well/Wells or Pipeline Serviced SUNRAY K COM #1A

cps 1265w

Elevation 6229' Completion Date 5/17/78 Total Depth 400' Land Type* N/ACasing, Sizes, Types & Depths N/AIf Casing is cemented, show amounts & types used N/AIf Cement or Bentonite Plugs have been placed, show depths & amounts used
N/A

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

Fresh, Clear, Salty, Sulphur, Etc. 140' SAMPLE TAKENDepths gas encountered: N/AType & amount of coke breeze used: N/ADepths anodes placed: 370', 360', 350', 340', 330', 320', 310', 290', 230', 220'Depths vent pipes placed: 400'Vent pipe perforations: 280'Remarks: gb #1

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5-31-91
JUN 21 1991
OIL CON. DIV.
DIST. 3

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

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



APPENDIX C

Executed C-138 Solid Waste Acceptance Form

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

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

Form C-138
Revised 08/01/11

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

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. Generator Name and Address:

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

PayKey:RB21200

PM: Gary Turner

AFE: N79399

2. Originating Site:

Atlantic A#8B

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

UL F Section 29 T31N R10W; 36.8712, -107.9103

4. Source and Description of Waste:

Source: Remediation activities associated with a natural gas pipeline leak.

Description: Hydrocarbon/Condensate impacted soil associated natural gas pipeline release.

Estimated Volume 50 yd³ / bbls Known Volume (to be entered by the operator at the end of the haul) 528 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* 02-24-2025, representative for Enterprise Products Operating authorizes Envirotech, Inc. to complete

Generator Signature

the required testing/sign the Generator Waste Testing Certification.

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

5. Transporter: Sierra Oil Field Services

OCD Permitted Surface Waste Management Facility

Name and Facility Permit #: Envirotech Inc. Soil Remediation Facility * Permit #: NM 01-0011

Address of Facility: Hilltop, NM

Method of Treatment and/or Disposal:

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

Waste Acceptance Status:

☒ APPROVED

☐ DENIED (Must Be Maintained As Permanent Record)

PRINT NAME: Greg Crabtree

TITLE: Enviro Manager

DATE: 2/25/25

SIGNATURE: [Signature]

TELEPHONE NO.:

505-632-0615

Surface Waste Management Facility Authorized Agent



APPENDIX D

Photographic Documentation

SITE PHOTOGRAPHS

Closure Report
Enterprise Field Services, LLC
Atlantic A #8B
Ensolum Project No. 05A1226360

**Photograph 1**

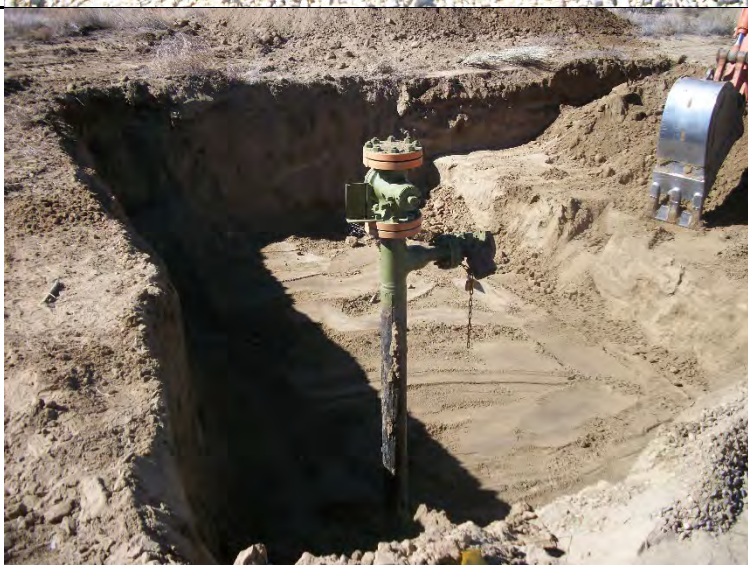
Photograph Description: View of the release point.

**Photograph 2**

Photograph Description: View of the in-process excavation activities.

**Photograph 3**

Photograph Description: View of the in-process excavation activities.



SITE PHOTOGRAPHS

Closure Report
Enterprise Field Services, LLC
Atlantic A #8B
Ensolum Project No. 05A1226360

**Photograph 4**

Photograph Description: View of the in-process excavation activities.

**Photograph 5**

Photograph Description: View of the in-process excavation activities.

**Photograph 6**

Photograph Description: View of the in-process excavation activities.



SITE PHOTOGRAPHS

Closure Report
Enterprise Field Services, LLC
Atlantic A #8B
Ensolum Project No. 05A1226360

**Photograph 7**

Photograph Description: View of the final excavation.

**Photograph 8**

Photograph Description: View of the final restoration.





APPENDIX E

Regulatory Correspondence

From: [Long, Thomas](#)
To: [Kyle Summers](#); [Chad D'Aponti](#)
Subject: FW: [EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application ID: 434555
Date: Monday, February 24, 2025 10:50:40 AM
Attachments: [image001.jpg](#)

[**EXTERNAL EMAIL **]

Atlantic

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

logo



From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Monday, February 24, 2025 10:49 AM
To: Long, Thomas <tjlong@eprod.com>
Subject: [EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application ID: 434555

[Use caution with links/attachments]

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

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2505538759.

The sampling event is expected to take place:

When: 02/26/2025 @ 11:00

Where: F-29-31N-10W 0 FNL 0 FEL (36.8712,-107.9103)

Additional Information: Ensolum, LLC

Additional Instructions: 36.8712,-107.9103

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to

19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

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

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

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

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



APPENDIX F

Table 1 – Soil Analytical Summary

TABLE 1 Atlantic A #8B SOIL ANALYTICAL SUMMARY													
Sample I.D.	Date	Sample Type C- Composite G - Grab	Sample Depth (feet)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Total BTEX ¹ (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH MRO (mg/kg)	Total Combined TPH (GRO/DRO/MRO) ¹ (mg/kg)	Chloride (mg/kg)
New Mexico Energy, Mineral & Natural Resources Department Oil Conservation Division Closure Criteria (Tier I)				10	NE	NE	NE	50	NE	NE	NE	100	600
Excavation Composite Soil Samples													
S-1	2.26.25	C	7	<0.019	<0.038	<0.038	<0.077	ND	<3.8	<9.2	<46	ND	<60
S-2	2.26.25	C	7	<0.020	<0.039	<0.039	<0.078	ND	<3.9	<9.4	<47	ND	<60
S-3	2.26.25	C	7	<0.021	<0.042	<0.042	<0.083	ND	<4.2	<9.6	<48	ND	<60
S-4	2.26.25	C	5	<0.017	<0.035	<0.035	<0.069	ND	<3.5	<9.7	<48	ND	<60
S-5	2.26.25	C	5	<0.017	<0.034	<0.034	<0.067	ND	<3.4	<9.7	<48	ND	<60
S-6	2.26.25	C	5	<0.016	<0.032	<0.032	<0.065	ND	<3.2	<9.8	<49	ND	<60
S-7	2.26.25	C	5	<0.017	<0.035	<0.035	<0.069	ND	3.8	<9.9	<50	3.8	<60
S-8	2.26.25	C	5	<0.018	<0.036	<0.036	<0.073	ND	<3.6	<9.3	<47	ND	<60
S-9	2.26.25	C	7	<0.021	<0.041	<0.041	<0.082	ND	<4.1	<9.2	<46	ND	<59
S-10	2.26.25	C	7	<0.016	<0.032	<0.032	<0.064	ND	<3.2	<9.8	<49	ND	<60
S-11	2.26.25	C	7	<0.016	<0.032	<0.032	<0.064	ND	<3.2	<9.1	<46	ND	<60
S-12	2.26.25	C	0 to 7	<0.020	<0.039	<0.039	<0.079	ND	<3.9	<9.1	<46	ND	<61
S-13	2.26.25	C	0 to 7	<0.015	<0.031	<0.031	<0.062	ND	<3.1	<9.8	<49	ND	<60
S-14	2.26.25	C	0 to 7	<0.015	<0.031	<0.031	<0.062	ND	<3.1	<9.0	<45	ND	<60
S-15	2.26.25	C	0 to 5	<0.016	<0.033	<0.033	<0.065	ND	<3.3	<9.8	<49	ND	<60
S-16	2.26.25	C	0 to 5	<0.016	<0.032	<0.032	<0.063	ND	<3.2	<9.3	<46	ND	<60
S-17	2.26.25	C	0 to 7	<0.015	<0.030	<0.030	<0.061	ND	<3.0	<9.9	<50	ND	<60
S-18	2.26.25	C	0 to 7	<0.017	<0.034	<0.034	<0.068	ND	<3.4	<9.6	<48	ND	<60
S-19	2.26.25	C	0 to 7	<0.019	<0.039	<0.039	<0.077	ND	<3.9	<9.6	<48	ND	<59
S-20	2.26.25	C	0 to 7	<0.018	<0.037	<0.037	<0.073	ND	<3.7	<9.4	<47	ND	<60
S-21	2.26.25	C	0 to 7	<0.017	<0.034	<0.034	<0.068	ND	<3.4	<9.4	<47	ND	<60
Backfill Composite Soil Sample													
BF-1	2.26.25	C	BF	<0.025	<0.050	<0.050	<0.099	ND	<5.0	<9.7	<48	ND	<60

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

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

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

NE = Not established

NS = Not sampled

mg/kg = milligrams per kilogram

BTEX = Benzene, Toluene, Ethylbenzene, and Xylenes

TPH = Total Petroleum Hydrocarbons

GRO = Gasoline Range Organics

DRO = Diesel Range Organics

MRO = Motor Oil/Lube Oil Range Organics

BF = Backfill sample



APPENDIX G

Laboratory Data Sheets & Chain of Custody Documentation



Environment Testing

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11

ANALYTICAL REPORT

PREPARED FOR

Attn: Kyle Summers
Ensolum
606 S Rio Grande
Suite A
Aztec, New Mexico 87410
Generated 2/28/2025 5:48:40 PM

JOB DESCRIPTION

Atlantic A # 8B

JOB NUMBER

885-20565-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

Eurofins Albuquerque

Job Notes

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

Authorization



Generated
2/28/2025 5:48:40 PM

Authorized for release by
John Caldwell, Project Manager
john.caldwell@et.eurofinsus.com
(505)345-3975

Client: Ensolum
Project/Site: Atlantic A # 8B

Laboratory Job ID: 885-20565-1

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Definitions/Glossary

Client: Ensolum

Job ID: 885-20565-1

Project/Site: Atlantic A # 8B

Glossary

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

Case Narrative

Client: Ensolum
Project: Atlantic A # 8B

Job ID: 885-20565-1

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Job Narrative 885-20565-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 2/27/2025 7:10 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.3°C.

Gasoline Range Organics

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

GC VOA

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

Diesel Range Organics

Method 8015D_DRO: Surrogate recovery for the following samples is outside the lower control limit: (CCV 885-21581/19) and (CCVRT 885-21581/2). However, all target analytes were within expected limits. Therefore all associated samples with passing surrogate are reported.

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

HPLC/IC

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

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Client Sample Results

Client: Ensolum
Project/Site: Atlantic A # 8B

Job ID: 885-20565-1

Client Sample ID: S-1

Lab Sample ID: 885-20565-1

Date Collected: 02/26/25 11:00

Matrix: Solid

Date Received: 02/27/25 07:10

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		3.8	mg/Kg		02/27/25 08:34	02/27/25 10:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		35 - 166			02/27/25 08:34	02/27/25 10:39	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.019	mg/Kg		02/27/25 08:34	02/27/25 10:39	1
Ethylbenzene	ND		0.038	mg/Kg		02/27/25 08:34	02/27/25 10:39	1
Toluene	ND		0.038	mg/Kg		02/27/25 08:34	02/27/25 10:39	1
Xylenes, Total	ND		0.077	mg/Kg		02/27/25 08:34	02/27/25 10:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		48 - 145			02/27/25 08:34	02/27/25 10:39	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.2	mg/Kg		02/27/25 09:44	02/27/25 14:28	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		02/27/25 09:44	02/27/25 14:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	100		62 - 134			02/27/25 09:44	02/27/25 14:28	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		02/27/25 07:30	02/27/25 11:26	20

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Client Sample Results

Client: Ensolum
Project/Site: Atlantic A # 8B

Job ID: 885-20565-1

Client Sample ID: S-2
Date Collected: 02/26/25 11:05
Date Received: 02/27/25 07:10

Lab Sample ID: 885-20565-2
Matrix: Solid

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics [C6 - C10]	ND		3.9	mg/Kg		02/27/25 08:34	02/27/25 11:01		1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	95		35 - 166			02/27/25 08:34	02/27/25 11:01		1
Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.020	mg/Kg		02/27/25 08:34	02/27/25 11:01		1
Ethylbenzene	ND		0.039	mg/Kg		02/27/25 08:34	02/27/25 11:01		1
Toluene	ND		0.039	mg/Kg		02/27/25 08:34	02/27/25 11:01		1
Xylenes, Total	ND		0.078	mg/Kg		02/27/25 08:34	02/27/25 11:01		1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	100		48 - 145			02/27/25 08:34	02/27/25 11:01		1
Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Diesel Range Organics [C10-C28]	ND		9.4	mg/Kg		02/27/25 09:44	02/27/25 14:39		1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		02/27/25 09:44	02/27/25 14:39		1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
Di-n-octyl phthalate (Surr)	97		62 - 134			02/27/25 09:44	02/27/25 14:39		1
Method: EPA 300.0 - Anions, Ion Chromatography									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	ND		60	mg/Kg		02/27/25 07:30	02/27/25 11:38		20

Client Sample Results

Client: Ensolum
Project/Site: Atlantic A # 8B

Job ID: 885-20565-1

Client Sample ID: S-3

Lab Sample ID: 885-20565-3

Date Collected: 02/26/25 11:10

Matrix: Solid

Date Received: 02/27/25 07:10

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.2	mg/Kg		02/27/25 08:34	02/27/25 11:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		35 - 166			02/27/25 08:34	02/27/25 11:23	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.021	mg/Kg		02/27/25 08:34	02/27/25 11:23	1
Ethylbenzene	ND		0.042	mg/Kg		02/27/25 08:34	02/27/25 11:23	1
Toluene	ND		0.042	mg/Kg		02/27/25 08:34	02/27/25 11:23	1
Xylenes, Total	ND		0.083	mg/Kg		02/27/25 08:34	02/27/25 11:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		48 - 145			02/27/25 08:34	02/27/25 11:23	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6	mg/Kg		02/27/25 09:44	02/27/25 14:50	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		02/27/25 09:44	02/27/25 14:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	100		62 - 134			02/27/25 09:44	02/27/25 14:50	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		02/27/25 07:30	02/27/25 11:49	20

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Client Sample Results

Client: Ensolum
Project/Site: Atlantic A # 8B

Job ID: 885-20565-1

Client Sample ID: S-4
Date Collected: 02/26/25 11:15
Date Received: 02/27/25 07:10

Lab Sample ID: 885-20565-4
Matrix: Solid

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics [C6 - C10]	ND		3.5	mg/Kg		02/27/25 08:34	02/27/25 11:46	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	100		35 - 166			02/27/25 08:34	02/27/25 11:46	1	

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.017	mg/Kg		02/27/25 08:34	02/27/25 11:46	1	
Ethylbenzene	ND		0.035	mg/Kg		02/27/25 08:34	02/27/25 11:46	1	
Toluene	ND		0.035	mg/Kg		02/27/25 08:34	02/27/25 11:46	1	
Xylenes, Total	ND		0.069	mg/Kg		02/27/25 08:34	02/27/25 11:46	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	100		48 - 145			02/27/25 08:34	02/27/25 11:46	1	

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		02/27/25 09:44	02/27/25 15:01	1	
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		02/27/25 09:44	02/27/25 15:01	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
Di-n-octyl phthalate (Surr)	99		62 - 134			02/27/25 09:44	02/27/25 15:01	1	

Method: EPA 300.0 - Anions, Ion Chromatography									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	ND		60	mg/Kg		02/27/25 07:30	02/27/25 12:01	20	

Client Sample Results

Client: Ensolum
Project/Site: Atlantic A # 8B

Job ID: 885-20565-1

Client Sample ID: S-5

Lab Sample ID: 885-20565-5

Date Collected: 02/26/25 11:20

Matrix: Solid

Date Received: 02/27/25 07:10

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics [C6 - C10]	ND		3.4	mg/Kg		02/27/25 08:34	02/27/25 12:08		1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	98		35 - 166			02/27/25 08:34	02/27/25 12:08		1
Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.017	mg/Kg		02/27/25 08:34	02/27/25 12:08		1
Ethylbenzene	ND		0.034	mg/Kg		02/27/25 08:34	02/27/25 12:08		1
Toluene	ND		0.034	mg/Kg		02/27/25 08:34	02/27/25 12:08		1
Xylenes, Total	ND		0.067	mg/Kg		02/27/25 08:34	02/27/25 12:08		1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	102		48 - 145			02/27/25 08:34	02/27/25 12:08		1
Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		02/27/25 09:44	02/27/25 15:11		1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		02/27/25 09:44	02/27/25 15:11		1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
Di-n-octyl phthalate (Surr)	100		62 - 134			02/27/25 09:44	02/27/25 15:11		1
Method: EPA 300.0 - Anions, Ion Chromatography									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	ND		60	mg/Kg		02/27/25 07:30	02/27/25 12:13		20

Client Sample Results

Client: Ensolum
Project/Site: Atlantic A # 8B

Job ID: 885-20565-1

Client Sample ID: S-6
Date Collected: 02/26/25 11:25
Date Received: 02/27/25 07:10

Lab Sample ID: 885-20565-6
Matrix: Solid

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics [C6 - C10]	ND		3.2	mg/Kg		02/27/25 08:34	02/27/25 12:30		1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	92		35 - 166			02/27/25 08:34	02/27/25 12:30		1
Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.016	mg/Kg		02/27/25 08:34	02/27/25 12:30		1
Ethylbenzene	ND		0.032	mg/Kg		02/27/25 08:34	02/27/25 12:30		1
Toluene	ND		0.032	mg/Kg		02/27/25 08:34	02/27/25 12:30		1
Xylenes, Total	ND		0.065	mg/Kg		02/27/25 08:34	02/27/25 12:30		1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	99		48 - 145			02/27/25 08:34	02/27/25 12:30		1
Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		02/27/25 09:44	02/27/25 15:44		1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		02/27/25 09:44	02/27/25 15:44		1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
Di-n-octyl phthalate (Surr)	102		62 - 134			02/27/25 09:44	02/27/25 15:44		1
Method: EPA 300.0 - Anions, Ion Chromatography									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	ND		60	mg/Kg		02/27/25 07:30	02/27/25 12:25		20

Client Sample Results

Client: Ensolum
Project/Site: Atlantic A # 8B

Job ID: 885-20565-1

Client Sample ID: S-7

Lab Sample ID: 885-20565-7

Date Collected: 02/26/25 11:30

Matrix: Solid

Date Received: 02/27/25 07:10

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	3.8		3.5	mg/Kg		02/27/25 08:34	02/27/25 14:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		35 - 166			02/27/25 08:34	02/27/25 14:07	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.017	mg/Kg		02/27/25 08:34	02/27/25 14:07	1
Ethylbenzene	ND		0.035	mg/Kg		02/27/25 08:34	02/27/25 14:07	1
Toluene	ND		0.035	mg/Kg		02/27/25 08:34	02/27/25 14:07	1
Xylenes, Total	ND		0.069	mg/Kg		02/27/25 08:34	02/27/25 14:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		48 - 145			02/27/25 08:34	02/27/25 14:07	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		02/27/25 09:44	02/27/25 15:55	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		02/27/25 09:44	02/27/25 15:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	100		62 - 134			02/27/25 09:44	02/27/25 15:55	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		02/27/25 07:30	02/27/25 12:37	20

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Client Sample Results

Client: Ensolum
Project/Site: Atlantic A # 8B

Job ID: 885-20565-1

Client Sample ID: S-8

Lab Sample ID: 885-20565-8

Date Collected: 02/26/25 11:35

Matrix: Solid

Date Received: 02/27/25 07:10

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		3.6	mg/Kg		02/27/25 08:34	02/27/25 14:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		35 - 166			02/27/25 08:34	02/27/25 14:30	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.018	mg/Kg		02/27/25 08:34	02/27/25 14:30	1
Ethylbenzene	ND		0.036	mg/Kg		02/27/25 08:34	02/27/25 14:30	1
Toluene	ND		0.036	mg/Kg		02/27/25 08:34	02/27/25 14:30	1
Xylenes, Total	ND		0.073	mg/Kg		02/27/25 08:34	02/27/25 14:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		48 - 145			02/27/25 08:34	02/27/25 14:30	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.3	mg/Kg		02/27/25 09:44	02/27/25 16:05	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		02/27/25 09:44	02/27/25 16:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	101		62 - 134			02/27/25 09:44	02/27/25 16:05	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		02/27/25 07:30	02/27/25 13:12	20

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Client Sample Results

Client: Ensolum
Project/Site: Atlantic A # 8B

Job ID: 885-20565-1

Client Sample ID: S-9

Lab Sample ID: 885-20565-9

Date Collected: 02/26/25 11:40

Matrix: Solid

Date Received: 02/27/25 07:10

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.1	mg/Kg		02/27/25 08:34	02/27/25 14:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		35 - 166			02/27/25 08:34	02/27/25 14:16	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.021	mg/Kg		02/27/25 08:34	02/27/25 18:35	1
Ethylbenzene	ND		0.041	mg/Kg		02/27/25 08:34	02/27/25 18:35	1
Toluene	ND		0.041	mg/Kg		02/27/25 08:34	02/27/25 18:35	1
Xylenes, Total	ND		0.082	mg/Kg		02/27/25 08:34	02/27/25 18:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		48 - 145			02/27/25 08:34	02/27/25 18:35	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.2	mg/Kg		02/27/25 09:44	02/27/25 16:16	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		02/27/25 09:44	02/27/25 16:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	100		62 - 134			02/27/25 09:44	02/27/25 16:16	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		59	mg/Kg		02/27/25 10:54	02/27/25 13:47	20

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Client Sample Results

Client: Ensolum
Project/Site: Atlantic A # 8B

Job ID: 885-20565-1

Client Sample ID: S-10
Date Collected: 02/26/25 11:45
Date Received: 02/27/25 07:10

Lab Sample ID: 885-20565-10
Matrix: Solid

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics [C6 - C10]	ND		3.2	mg/Kg		02/27/25 08:34	02/27/25 14:40	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	110		35 - 166			02/27/25 08:34	02/27/25 14:40	1	
Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.016	mg/Kg		02/27/25 08:34	02/27/25 18:57	1	
Ethylbenzene	ND		0.032	mg/Kg		02/27/25 08:34	02/27/25 18:57	1	
Toluene	ND		0.032	mg/Kg		02/27/25 08:34	02/27/25 18:57	1	
Xylenes, Total	ND		0.064	mg/Kg		02/27/25 08:34	02/27/25 18:57	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	92		48 - 145			02/27/25 08:34	02/27/25 18:57	1	
Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		02/27/25 09:44	02/27/25 16:27	1	
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		02/27/25 09:44	02/27/25 16:27	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
Di-n-octyl phthalate (Surr)	101		62 - 134			02/27/25 09:44	02/27/25 16:27	1	
Method: EPA 300.0 - Anions, Ion Chromatography									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	ND		60	mg/Kg		02/27/25 10:54	02/27/25 13:57	20	

Client Sample Results

Client: Ensolum
Project/Site: Atlantic A # 8B

Job ID: 885-20565-1

Client Sample ID: S-11

Lab Sample ID: 885-20565-11

Date Collected: 02/26/25 11:50

Matrix: Solid

Date Received: 02/27/25 07:10

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		3.2	mg/Kg		02/27/25 08:34	02/27/25 15:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		35 - 166			02/27/25 08:34	02/27/25 15:05	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.016	mg/Kg		02/27/25 08:34	02/27/25 19:19	1
Ethylbenzene	ND		0.032	mg/Kg		02/27/25 08:34	02/27/25 19:19	1
Toluene	ND		0.032	mg/Kg		02/27/25 08:34	02/27/25 19:19	1
Xylenes, Total	ND		0.064	mg/Kg		02/27/25 08:34	02/27/25 19:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		48 - 145			02/27/25 08:34	02/27/25 19:19	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.1	mg/Kg		02/27/25 09:44	02/27/25 12:56	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		02/27/25 09:44	02/27/25 12:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	92		62 - 134			02/27/25 09:44	02/27/25 12:56	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		02/27/25 10:54	02/27/25 14:07	20

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Client Sample Results

Client: Ensolum
Project/Site: Atlantic A # 8B

Job ID: 885-20565-1

Client Sample ID: S-12
Date Collected: 02/26/25 11:55
Date Received: 02/27/25 07:10

Lab Sample ID: 885-20565-12
Matrix: Solid

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics [C6 - C10]	ND		3.9	mg/Kg		02/27/25 08:34	02/27/25 14:52	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	96		35 - 166			02/27/25 08:34	02/27/25 14:52	1	
Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.020	mg/Kg		02/27/25 08:34	02/27/25 14:52	1	
Ethylbenzene	ND		0.039	mg/Kg		02/27/25 08:34	02/27/25 14:52	1	
Toluene	ND		0.039	mg/Kg		02/27/25 08:34	02/27/25 14:52	1	
Xylenes, Total	ND		0.079	mg/Kg		02/27/25 08:34	02/27/25 14:52	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	96		48 - 145			02/27/25 08:34	02/27/25 14:52	1	
Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Diesel Range Organics [C10-C28]	ND		9.1	mg/Kg		02/27/25 09:44	02/27/25 13:19	1	
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		02/27/25 09:44	02/27/25 13:19	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
Di-n-octyl phthalate (Surr)	95		62 - 134			02/27/25 09:44	02/27/25 13:19	1	
Method: EPA 300.0 - Anions, Ion Chromatography									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	ND		61	mg/Kg		02/27/25 10:54	02/27/25 14:17	20	

Client Sample Results

Client: Ensolum
Project/Site: Atlantic A # 8B

Job ID: 885-20565-1

Client Sample ID: S-13
Date Collected: 02/26/25 12:00
Date Received: 02/27/25 07:10

Lab Sample ID: 885-20565-13
Matrix: Solid

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics [C6 - C10]	ND		3.1	mg/Kg		02/27/25 08:34	02/27/25 15:14	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	97		35 - 166			02/27/25 08:34	02/27/25 15:14	1	
Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.015	mg/Kg		02/27/25 08:34	02/27/25 15:14	1	
Ethylbenzene	ND		0.031	mg/Kg		02/27/25 08:34	02/27/25 15:14	1	
Toluene	ND		0.031	mg/Kg		02/27/25 08:34	02/27/25 15:14	1	
Xylenes, Total	ND		0.062	mg/Kg		02/27/25 08:34	02/27/25 15:14	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	96		48 - 145			02/27/25 08:34	02/27/25 15:14	1	
Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		02/27/25 09:44	02/27/25 13:43	1	
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		02/27/25 09:44	02/27/25 13:43	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
Di-n-octyl phthalate (Surr)	95		62 - 134			02/27/25 09:44	02/27/25 13:43	1	
Method: EPA 300.0 - Anions, Ion Chromatography									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	ND		60	mg/Kg		02/27/25 10:54	02/27/25 14:26	20	

Client Sample Results

Client: Ensolum
Project/Site: Atlantic A # 8B

Job ID: 885-20565-1

Client Sample ID: S-14
Date Collected: 02/26/25 12:05
Date Received: 02/27/25 07:10

Lab Sample ID: 885-20565-14
Matrix: Solid

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics [C6 - C10]	ND		3.1	mg/Kg		02/27/25 08:34	02/27/25 15:59	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	94		35 - 166			02/27/25 08:34	02/27/25 15:59	1	
Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.015	mg/Kg		02/27/25 08:34	02/27/25 15:59	1	
Ethylbenzene	ND		0.031	mg/Kg		02/27/25 08:34	02/27/25 15:59	1	
Toluene	ND		0.031	mg/Kg		02/27/25 08:34	02/27/25 15:59	1	
Xylenes, Total	ND		0.062	mg/Kg		02/27/25 08:34	02/27/25 15:59	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	98		48 - 145			02/27/25 08:34	02/27/25 15:59	1	
Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Diesel Range Organics [C10-C28]	ND		9.0	mg/Kg		02/27/25 09:44	02/27/25 14:06	1	
Motor Oil Range Organics [C28-C40]	ND		45	mg/Kg		02/27/25 09:44	02/27/25 14:06	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
Di-n-octyl phthalate (Surr)	94		62 - 134			02/27/25 09:44	02/27/25 14:06	1	
Method: EPA 300.0 - Anions, Ion Chromatography									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	ND		60	mg/Kg		02/27/25 10:54	02/27/25 14:36	20	

Client Sample Results

Client: Ensolum
Project/Site: Atlantic A # 8B

Job ID: 885-20565-1

Client Sample ID: S-15
Date Collected: 02/26/25 12:10
Date Received: 02/27/25 07:10

Lab Sample ID: 885-20565-15
Matrix: Solid

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics [C6 - C10]	ND		3.3	mg/Kg		02/27/25 08:34	02/27/25 16:22	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	99		35 - 166			02/27/25 08:34	02/27/25 16:22	1	
Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.016	mg/Kg		02/27/25 08:34	02/27/25 16:22	1	
Ethylbenzene	ND		0.033	mg/Kg		02/27/25 08:34	02/27/25 16:22	1	
Toluene	ND		0.033	mg/Kg		02/27/25 08:34	02/27/25 16:22	1	
Xylenes, Total	ND		0.065	mg/Kg		02/27/25 08:34	02/27/25 16:22	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	96		48 - 145			02/27/25 08:34	02/27/25 16:22	1	
Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		02/27/25 09:44	02/27/25 14:30	1	
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		02/27/25 09:44	02/27/25 14:30	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
Di-n-octyl phthalate (Surr)	92		62 - 134			02/27/25 09:44	02/27/25 14:30	1	
Method: EPA 300.0 - Anions, Ion Chromatography									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	ND		60	mg/Kg		02/27/25 10:54	02/27/25 14:46	20	

Client Sample Results

Client: Ensolum
Project/Site: Atlantic A # 8B

Job ID: 885-20565-1

Client Sample ID: S-16
Date Collected: 02/26/25 12:15
Date Received: 02/27/25 07:10

Lab Sample ID: 885-20565-16
Matrix: Solid

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics [C6 - C10]	ND		3.2	mg/Kg		02/27/25 08:34	02/27/25 11:02	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	104		35 - 166			02/27/25 08:34	02/27/25 11:02	1	
Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.016	mg/Kg		02/27/25 08:34	02/27/25 16:45	1	
Ethylbenzene	ND		0.032	mg/Kg		02/27/25 08:34	02/27/25 16:45	1	
Toluene	ND		0.032	mg/Kg		02/27/25 08:34	02/27/25 16:45	1	
Xylenes, Total	ND		0.063	mg/Kg		02/27/25 08:34	02/27/25 16:45	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	95		48 - 145			02/27/25 08:34	02/27/25 16:45	1	
Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Diesel Range Organics [C10-C28]	ND		9.3	mg/Kg		02/27/25 09:44	02/27/25 14:53	1	
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		02/27/25 09:44	02/27/25 14:53	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
Di-n-octyl phthalate (Surr)	93		62 - 134			02/27/25 09:44	02/27/25 14:53	1	
Method: EPA 300.0 - Anions, Ion Chromatography									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	ND		60	mg/Kg		02/27/25 10:54	02/27/25 14:56	20	

Client Sample Results

Client: Ensolum
Project/Site: Atlantic A # 8B

Job ID: 885-20565-1

Client Sample ID: S-17
Date Collected: 02/26/25 12:20
Date Received: 02/27/25 07:10

Lab Sample ID: 885-20565-17
Matrix: Solid

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics [C6 - C10]	ND		3.0	mg/Kg		02/27/25 08:34	02/27/25 11:26	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	103		35 - 166			02/27/25 08:34	02/27/25 11:26	1	
Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.015	mg/Kg		02/27/25 08:34	02/27/25 17:07	1	
Ethylbenzene	ND		0.030	mg/Kg		02/27/25 08:34	02/27/25 17:07	1	
Toluene	ND		0.030	mg/Kg		02/27/25 08:34	02/27/25 17:07	1	
Xylenes, Total	ND		0.061	mg/Kg		02/27/25 08:34	02/27/25 17:07	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	90		48 - 145			02/27/25 08:34	02/27/25 17:07	1	
Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		02/27/25 09:44	02/27/25 15:16	1	
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		02/27/25 09:44	02/27/25 15:16	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
Di-n-octyl phthalate (Surr)	94		62 - 134			02/27/25 09:44	02/27/25 15:16	1	
Method: EPA 300.0 - Anions, Ion Chromatography									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	ND		60	mg/Kg		02/27/25 10:54	02/27/25 15:26	20	

Client Sample Results

Client: Ensolum
Project/Site: Atlantic A # 8B

Job ID: 885-20565-1

Client Sample ID: S-18
Date Collected: 02/26/25 12:25
Date Received: 02/27/25 07:10

Lab Sample ID: 885-20565-18
Matrix: Solid

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics [C6 - C10]	ND		3.4	mg/Kg		02/27/25 08:34	02/27/25 11:50		1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	107		35 - 166			02/27/25 08:34	02/27/25 11:50		1
Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.017	mg/Kg		02/27/25 08:34	02/27/25 17:29		1
Ethylbenzene	ND		0.034	mg/Kg		02/27/25 08:34	02/27/25 17:29		1
Toluene	ND		0.034	mg/Kg		02/27/25 08:34	02/27/25 17:29		1
Xylenes, Total	ND		0.068	mg/Kg		02/27/25 08:34	02/27/25 17:29		1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	85		48 - 145			02/27/25 08:34	02/27/25 17:29		1
Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Diesel Range Organics [C10-C28]	ND		9.6	mg/Kg		02/27/25 09:44	02/27/25 15:40		1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		02/27/25 09:44	02/27/25 15:40		1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
Di-n-octyl phthalate (Surr)	96		62 - 134			02/27/25 09:44	02/27/25 15:40		1
Method: EPA 300.0 - Anions, Ion Chromatography									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	ND		60	mg/Kg		02/27/25 10:54	02/27/25 14:24		20

Client Sample Results

Client: Ensolum
Project/Site: Atlantic A # 8B

Job ID: 885-20565-1

Client Sample ID: S-19

Lab Sample ID: 885-20565-19

Date Collected: 02/26/25 12:30

Matrix: Solid

Date Received: 02/27/25 07:10

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		3.9	mg/Kg		02/27/25 08:34	02/27/25 12:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		35 - 166			02/27/25 08:34	02/27/25 12:14	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.019	mg/Kg		02/27/25 08:34	02/27/25 17:51	1
Ethylbenzene	ND		0.039	mg/Kg		02/27/25 08:34	02/27/25 17:51	1
Toluene	ND		0.039	mg/Kg		02/27/25 08:34	02/27/25 17:51	1
Xylenes, Total	ND		0.077	mg/Kg		02/27/25 08:34	02/27/25 17:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		48 - 145			02/27/25 08:34	02/27/25 17:51	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6	mg/Kg		02/27/25 09:44	02/27/25 16:04	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		02/27/25 09:44	02/27/25 16:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	96		62 - 134			02/27/25 09:44	02/27/25 16:04	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		59	mg/Kg		02/27/25 10:54	02/27/25 14:36	20

Eurofins Albuquerque

Client Sample Results

Client: Ensolum
Project/Site: Atlantic A # 8B

Job ID: 885-20565-1

Client Sample ID: S-20

Lab Sample ID: 885-20565-20

Date Collected: 02/26/25 12:35

Matrix: Solid

Date Received: 02/27/25 07:10

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		3.7	mg/Kg		02/27/25 08:34	02/27/25 12:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		35 - 166			02/27/25 08:34	02/27/25 12:38	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.018	mg/Kg		02/27/25 08:34	02/27/25 18:13	1
Ethylbenzene	ND		0.037	mg/Kg		02/27/25 08:34	02/27/25 18:13	1
Toluene	ND		0.037	mg/Kg		02/27/25 08:34	02/27/25 18:13	1
Xylenes, Total	ND		0.073	mg/Kg		02/27/25 08:34	02/27/25 18:13	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		48 - 145			02/27/25 08:34	02/27/25 18:13	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.4	mg/Kg		02/27/25 09:44	02/27/25 16:27	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		02/27/25 09:44	02/27/25 16:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	94		62 - 134			02/27/25 09:44	02/27/25 16:27	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		02/27/25 10:54	02/27/25 14:47	20

Eurofins Albuquerque

Client Sample Results

Client: Ensolum
Project/Site: Atlantic A # 8B

Job ID: 885-20565-1

Client Sample ID: S-21

Lab Sample ID: 885-20565-21

Date Collected: 02/26/25 12:40

Matrix: Solid

Date Received: 02/27/25 07:10

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		3.4	mg/Kg		02/27/25 08:34	02/27/25 13:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		35 - 166			02/27/25 08:34	02/27/25 13:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.017	mg/Kg		02/27/25 08:34	02/27/25 22:33	1
Ethylbenzene	ND		0.034	mg/Kg		02/27/25 08:34	02/27/25 22:33	1
Toluene	ND		0.034	mg/Kg		02/27/25 08:34	02/27/25 22:33	1
Xylenes, Total	ND		0.068	mg/Kg		02/27/25 08:34	02/27/25 22:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		48 - 145			02/27/25 08:34	02/27/25 22:33	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.4	mg/Kg		02/27/25 10:16	02/27/25 17:53	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		02/27/25 10:16	02/27/25 17:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	102		62 - 134			02/27/25 10:16	02/27/25 17:53	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		02/27/25 10:54	02/27/25 14:59	20

Eurofins Albuquerque

QC Sample Results

Client: Ensolum
Project/Site: Atlantic A # 8B

Job ID: 885-20565-1

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

Lab Sample ID: MB 885-21554/1-A

Matrix: Solid

Analysis Batch: 21552

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 21554

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5.0	mg/Kg		02/27/25 08:34	02/27/25 10:18	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		35 - 166			02/27/25 08:34	02/27/25 10:18	1

Lab Sample ID: MB 885-21554/1-A

Matrix: Solid

Analysis Batch: 21565

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 21554

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5.0	mg/Kg		02/27/25 08:34	02/27/25 10:38	1
Gasoline Range Organics [C6 - C10]	ND		5.0	mg/Kg		02/27/25 08:34	02/27/25 10:38	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		35 - 166			02/27/25 08:34	02/27/25 10:38	1
4-Bromofluorobenzene (Surr)	101		35 - 166			02/27/25 08:34	02/27/25 10:38	1

Lab Sample ID: LCS 885-21554/2-A

Matrix: Solid

Analysis Batch: 21552

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 21554

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics [C6 - C10]	25.0	27.7		mg/Kg		111	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	211		35 - 166				

Lab Sample ID: LCS 885-21554/2-A

Matrix: Solid

Analysis Batch: 21565

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 21554

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics [C6 - C10]	25.0	23.3		mg/Kg		93	70 - 130
Gasoline Range Organics [C6 - C10]	25.0	23.3		mg/Kg		93	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	203		35 - 166				
4-Bromofluorobenzene (Surr)	203		35 - 166				

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QC Sample Results

Client: Ensolum
Project/Site: Atlantic A # 8B

Job ID: 885-20565-1

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

Lab Sample ID: 885-20565-1 MS

Matrix: Solid

Analysis Batch: 21552

Client Sample ID: S-1

Prep Type: Total/NA

Prep Batch: 21554

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics [C6 - C10]	ND		19.2	19.5		mg/Kg		92	70 - 130		
		MS		MS							
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	178		35 - 166								

Lab Sample ID: 885-20565-1 MSD

Matrix: Solid

Analysis Batch: 21552

Client Sample ID: S-1

Prep Type: Total/NA

Prep Batch: 21554

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Gasoline Range Organics [C6 - C10]	ND		19.2	18.1		mg/Kg		85	70 - 130	7	20
		MSD		MSD							
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	179		35 - 166								

Lab Sample ID: MB 885-21555/1-A

Matrix: Solid

Analysis Batch: 21604

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 21555

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5.0	mg/Kg		02/27/25 08:34	02/27/25 10:38	1
		MB						
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		35 - 166			02/27/25 08:34	02/27/25 10:38	1

Lab Sample ID: LCS 885-21555/2-A

Matrix: Solid

Analysis Batch: 21604

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 21555

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics [C6 - C10]	25.0	23.3		mg/Kg		93	70 - 130		
		LCS							
Surrogate	%Recovery	Qualifier	Limits						
4-Bromofluorobenzene (Surr)	203		35 - 166						

Lab Sample ID: 885-20565-21 MS

Matrix: Solid

Analysis Batch: 21604

Client Sample ID: S-21

Prep Type: Total/NA

Prep Batch: 21555

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics [C6 - C10]	ND		17.0	17.6		mg/Kg		98	70 - 130		
		MS		MS							
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	217		35 - 166								

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QC Sample Results

Client: Ensolum
Project/Site: Atlantic A # 8B

Job ID: 885-20565-1

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

Lab Sample ID: 885-20565-21 MSD

Matrix: Solid

Analysis Batch: 21604

Client Sample ID: S-21

Prep Type: Total/NA

Prep Batch: 21555

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics [C6 - C10]	ND		17.0	17.8		mg/Kg		100	70 - 130	1	20
		MSD	MSD								
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	222		35 - 166								

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-21554/1-A

Matrix: Solid

Analysis Batch: 21553

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 21554

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		02/27/25 08:34	02/27/25 10:18	1
Ethylbenzene	ND		0.050	mg/Kg		02/27/25 08:34	02/27/25 10:18	1
Toluene	ND		0.050	mg/Kg		02/27/25 08:34	02/27/25 10:18	1
Xylenes, Total	ND		0.10	mg/Kg		02/27/25 08:34	02/27/25 10:18	1
		MB	MB					
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		48 - 145			02/27/25 08:34	02/27/25 10:18	1

Lab Sample ID: LCS 885-21554/3-A

Matrix: Solid

Analysis Batch: 21553

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 21554

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	1.00	0.981		mg/Kg		98	70 - 130
Ethylbenzene	1.00	0.993		mg/Kg		99	70 - 130
Toluene	1.00	0.984		mg/Kg		98	70 - 130
Xylenes, Total	3.00	2.99		mg/Kg		100	70 - 130
		LCS	LCS				
Surrogate	%Recovery	Qualifier	Limits				
4-Bromofluorobenzene (Surr)	102		48 - 145				

Lab Sample ID: 885-20565-2 MS

Matrix: Solid

Analysis Batch: 21553

Client Sample ID: S-2

Prep Type: Total/NA

Prep Batch: 21554

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	ND		0.781	0.740		mg/Kg		95	70 - 130
Ethylbenzene	ND		0.781	0.742		mg/Kg		95	70 - 130
Toluene	ND		0.781	0.741		mg/Kg		95	70 - 130
Xylenes, Total	ND		2.34	2.21		mg/Kg		94	70 - 130
		MS	MS						
Surrogate	%Recovery	Qualifier	Limits						
4-Bromofluorobenzene (Surr)	86		48 - 145						

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QC Sample Results

Client: Ensolum
Project/Site: Atlantic A # 8B

Job ID: 885-20565-1

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

Lab Sample ID: 885-20565-2 MSD

Matrix: Solid

Analysis Batch: 21553

Client Sample ID: S-2

Prep Type: Total/NA

Prep Batch: 21554

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	ND		0.781	0.733		mg/Kg		94	70 - 130	1	20
Ethylbenzene	ND		0.781	0.742		mg/Kg		95	70 - 130	0	20
Toluene	ND		0.781	0.733		mg/Kg		94	70 - 130	1	20
Xylenes, Total	ND		2.34	2.20		mg/Kg		94	70 - 130	1	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	87		48 - 145								

Lab Sample ID: MB 885-21555/1-A

Matrix: Solid

Analysis Batch: 21622

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 21555

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		02/27/25 08:34	02/27/25 22:12	1
Ethylbenzene	ND		0.050	mg/Kg		02/27/25 08:34	02/27/25 22:12	1
Toluene	ND		0.050	mg/Kg		02/27/25 08:34	02/27/25 22:12	1
Xylenes, Total	ND		0.10	mg/Kg		02/27/25 08:34	02/27/25 22:12	1
Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac		
4-Bromofluorobenzene (Surr)	92		48 - 145	02/27/25 08:34	02/27/25 22:12	1		

Lab Sample ID: LCS 885-21555/3-A

Matrix: Solid

Analysis Batch: 21622

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 21555

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Benzene	1.00	0.939		mg/Kg		94	70 - 130	
Ethylbenzene	1.00	0.947		mg/Kg		95	70 - 130	
Toluene	1.00	0.946		mg/Kg		95	70 - 130	
Xylenes, Total	3.00	2.86		mg/Kg		95	70 - 130	
Surrogate	LCS %Recovery	LCS Qualifier	Limits					
4-Bromofluorobenzene (Surr)	94		48 - 145					

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

Lab Sample ID: MB 885-21563/1-A

Matrix: Solid

Analysis Batch: 21472

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 21563

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		02/27/25 09:44	02/27/25 13:23	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		02/27/25 09:44	02/27/25 13:23	1
Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac		
Di-n-octyl phthalate (Surr)	94		62 - 134	02/27/25 09:44	02/27/25 13:23	1		

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QC Sample Results

Client: Ensolum
Project/Site: Atlantic A # 8B

Job ID: 885-20565-1

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

Lab Sample ID: LCS 885-21563/2-A

Matrix: Solid

Analysis Batch: 21472

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 21563

Analyte			Spike	LCS	LCS	Unit	D	%Rec	%Rec		
			Added	Result	Qualifier			Limits			
Diesel Range Organics [C10-C28]			50.0	50.7		mg/Kg		101	60 - 135		
Surrogate	LCS	LCS	Limits								
	%Recovery	Qualifier									
Di-n-octyl phthalate (Surr)	76		62 - 134								

Lab Sample ID: 885-20565-5 MS

Matrix: Solid

Analysis Batch: 21472

Client Sample ID: S-5

Prep Type: Total/NA

Prep Batch: 21563

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec		
	Result	Qualifier	Added	Result	Qualifier			Limits			
Diesel Range Organics [C10-C28]	ND		49.4	51.4		mg/Kg		104	44 - 136		
Surrogate	MS	MS									
	%Recovery	Qualifier	Limits								
Di-n-octyl phthalate (Surr)	86		62 - 134								

Lab Sample ID: 885-20565-5 MSD

Matrix: Solid

Analysis Batch: 21472

Client Sample ID: S-5

Prep Type: Total/NA

Prep Batch: 21563

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Diesel Range Organics [C10-C28]	ND		49.7	51.6		mg/Kg		104	44 - 136	0	32
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
Di-n-octyl phthalate (Surr)	84		62 - 134								

Lab Sample ID: MB 885-21573/1-A

Matrix: Solid

Analysis Batch: 21581

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 21573

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		02/27/25 10:16	02/27/25 16:50	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		02/27/25 10:16	02/27/25 16:50	1
Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac		
%Recovery	Qualifier							
Di-n-octyl phthalate (Surr)	96		62 - 134	02/27/25 10:16	02/27/25 16:50	1		

Lab Sample ID: LCS 885-21573/2-A

Matrix: Solid

Analysis Batch: 21581

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 21573

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	47.0		mg/Kg		94	60 - 135

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QC Sample Results

Client: Ensolum
Project/Site: Atlantic A # 8B

Job ID: 885-20565-1

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

Lab Sample ID: LCS 885-21573/2-A
Matrix: Solid
Analysis Batch: 21581

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 21573

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
Di-n-octyl phthalate (Surr)	73		62 - 134

Lab Sample ID: 885-20565-21 MS
Matrix: Solid
Analysis Batch: 21472

Client Sample ID: S-21
Prep Type: Total/NA
Prep Batch: 21573

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	ND		47.1	47.6		mg/Kg		101	44 - 136
Surrogate	MS %Recovery	MS Qualifier	Limits						
Di-n-octyl phthalate (Surr)	82		62 - 134						

Lab Sample ID: 885-20565-21 MSD
Matrix: Solid
Analysis Batch: 21472

Client Sample ID: S-21
Prep Type: Total/NA
Prep Batch: 21573

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	ND		45.4	45.9		mg/Kg		101	44 - 136	4	32
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
Di-n-octyl phthalate (Surr)	84		62 - 134								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-21545/1-A
Matrix: Solid
Analysis Batch: 21548

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 21545

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		3.0	mg/Kg		02/27/25 07:30	02/27/25 08:23	1

Lab Sample ID: LCS 885-21545/2-A
Matrix: Solid
Analysis Batch: 21548

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 21545

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	30.0	29.8		mg/Kg		99	90 - 110

Lab Sample ID: MRL 885-21549/2-A
Matrix: Solid
Analysis Batch: 21588

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 21549

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	3.00	3.12		mg/L		104	50 - 150

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QC Sample Results

Client: Ensolum
Project/Site: Atlantic A # 8B

Job ID: 885-20565-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 885-21578/1-A						Client Sample ID: Method Blank			
Matrix: Solid						Prep Type: Total/NA			
Analysis Batch: 21588						Prep Batch: 21578			
Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	ND		3.0	mg/Kg		02/27/25 10:54	02/27/25 13:27	1	

Lab Sample ID: LCS 885-21578/2-A						Client Sample ID: Lab Control Sample			
Matrix: Solid						Prep Type: Total/NA			
Analysis Batch: 21588						Prep Batch: 21578			
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	30.0	29.3		mg/Kg		98	90 - 110		

QC Association Summary

Client: Ensolum
Project/Site: Atlantic A # 8B

Job ID: 885-20565-1

GC VOA

Analysis Batch: 21552

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-20565-1	S-1	Total/NA	Solid	8015M/D	21554
885-20565-2	S-2	Total/NA	Solid	8015M/D	21554
885-20565-3	S-3	Total/NA	Solid	8015M/D	21554
885-20565-4	S-4	Total/NA	Solid	8015M/D	21554
885-20565-5	S-5	Total/NA	Solid	8015M/D	21554
885-20565-6	S-6	Total/NA	Solid	8015M/D	21554
885-20565-7	S-7	Total/NA	Solid	8015M/D	21554
885-20565-8	S-8	Total/NA	Solid	8015M/D	21554
885-20565-12	S-12	Total/NA	Solid	8015M/D	21554
885-20565-13	S-13	Total/NA	Solid	8015M/D	21554
885-20565-14	S-14	Total/NA	Solid	8015M/D	21554
885-20565-15	S-15	Total/NA	Solid	8015M/D	21554
MB 885-21554/1-A	Method Blank	Total/NA	Solid	8015M/D	21554
LCS 885-21554/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	21554
885-20565-1 MS	S-1	Total/NA	Solid	8015M/D	21554
885-20565-1 MSD	S-1	Total/NA	Solid	8015M/D	21554

Analysis Batch: 21553

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-20565-1	S-1	Total/NA	Solid	8021B	21554
885-20565-2	S-2	Total/NA	Solid	8021B	21554
885-20565-3	S-3	Total/NA	Solid	8021B	21554
885-20565-4	S-4	Total/NA	Solid	8021B	21554
885-20565-5	S-5	Total/NA	Solid	8021B	21554
885-20565-6	S-6	Total/NA	Solid	8021B	21554
885-20565-7	S-7	Total/NA	Solid	8021B	21554
885-20565-8	S-8	Total/NA	Solid	8021B	21554
885-20565-9	S-9	Total/NA	Solid	8021B	21554
885-20565-10	S-10	Total/NA	Solid	8021B	21554
885-20565-11	S-11	Total/NA	Solid	8021B	21554
885-20565-12	S-12	Total/NA	Solid	8021B	21554
885-20565-13	S-13	Total/NA	Solid	8021B	21554
885-20565-14	S-14	Total/NA	Solid	8021B	21554
885-20565-15	S-15	Total/NA	Solid	8021B	21554
885-20565-16	S-16	Total/NA	Solid	8021B	21554
885-20565-17	S-17	Total/NA	Solid	8021B	21554
885-20565-18	S-18	Total/NA	Solid	8021B	21554
885-20565-19	S-19	Total/NA	Solid	8021B	21554
885-20565-20	S-20	Total/NA	Solid	8021B	21554
MB 885-21554/1-A	Method Blank	Total/NA	Solid	8021B	21554
LCS 885-21554/3-A	Lab Control Sample	Total/NA	Solid	8021B	21554
885-20565-2 MS	S-2	Total/NA	Solid	8021B	21554
885-20565-2 MSD	S-2	Total/NA	Solid	8021B	21554

Prep Batch: 21554

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-20565-1	S-1	Total/NA	Solid	5035	
885-20565-2	S-2	Total/NA	Solid	5035	
885-20565-3	S-3	Total/NA	Solid	5035	
885-20565-4	S-4	Total/NA	Solid	5035	
885-20565-5	S-5	Total/NA	Solid	5035	

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QC Association Summary

Client: Ensolum
Project/Site: Atlantic A # 8B

Job ID: 885-20565-1

GC VOA (Continued)

Prep Batch: 21554 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-20565-6	S-6	Total/NA	Solid	5035	
885-20565-7	S-7	Total/NA	Solid	5035	
885-20565-8	S-8	Total/NA	Solid	5035	
885-20565-9	S-9	Total/NA	Solid	5035	
885-20565-10	S-10	Total/NA	Solid	5035	
885-20565-11	S-11	Total/NA	Solid	5035	
885-20565-12	S-12	Total/NA	Solid	5035	
885-20565-13	S-13	Total/NA	Solid	5035	
885-20565-14	S-14	Total/NA	Solid	5035	
885-20565-15	S-15	Total/NA	Solid	5035	
885-20565-16	S-16	Total/NA	Solid	5035	
885-20565-17	S-17	Total/NA	Solid	5035	
885-20565-18	S-18	Total/NA	Solid	5035	
885-20565-19	S-19	Total/NA	Solid	5035	
885-20565-20	S-20	Total/NA	Solid	5035	
MB 885-21554/1-A	Method Blank	Total/NA	Solid	5035	
LCS 885-21554/2-A	Lab Control Sample	Total/NA	Solid	5035	
LCS 885-21554/3-A	Lab Control Sample	Total/NA	Solid	5035	
885-20565-1 MS	S-1	Total/NA	Solid	5035	
885-20565-1 MSD	S-1	Total/NA	Solid	5035	
885-20565-2 MS	S-2	Total/NA	Solid	5035	
885-20565-2 MSD	S-2	Total/NA	Solid	5035	

Prep Batch: 21555

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-20565-21	S-21	Total/NA	Solid	5035	
MB 885-21555/1-A	Method Blank	Total/NA	Solid	5035	
LCS 885-21555/2-A	Lab Control Sample	Total/NA	Solid	5035	
LCS 885-21555/3-A	Lab Control Sample	Total/NA	Solid	5035	
885-20565-21 MS	S-21	Total/NA	Solid	5035	
885-20565-21 MSD	S-21	Total/NA	Solid	5035	

Analysis Batch: 21565

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-20565-16	S-16	Total/NA	Solid	8015M/D	21554
885-20565-17	S-17	Total/NA	Solid	8015M/D	21554
885-20565-18	S-18	Total/NA	Solid	8015M/D	21554
885-20565-19	S-19	Total/NA	Solid	8015M/D	21554
885-20565-20	S-20	Total/NA	Solid	8015M/D	21554
MB 885-21554/1-A	Method Blank	Total/NA	Solid	8015M/D	21554
LCS 885-21554/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	21554

Analysis Batch: 21604

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-20565-21	S-21	Total/NA	Solid	8015M/D	21555
MB 885-21555/1-A	Method Blank	Total/NA	Solid	8015M/D	21555
LCS 885-21555/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	21555
885-20565-21 MS	S-21	Total/NA	Solid	8015M/D	21555
885-20565-21 MSD	S-21	Total/NA	Solid	8015M/D	21555

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QC Association Summary

Client: Ensolum
Project/Site: Atlantic A # 8B

Job ID: 885-20565-1

GC VOA

Analysis Batch: 21606

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-20565-9	S-9	Total/NA	Solid	8015M/D	21554
885-20565-10	S-10	Total/NA	Solid	8015M/D	21554
885-20565-11	S-11	Total/NA	Solid	8015M/D	21554
MB 885-21554/1-A	Method Blank	Total/NA	Solid	8015M/D	21554
LCS 885-21554/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	21554

Analysis Batch: 21622

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-20565-21	S-21	Total/NA	Solid	8021B	21555
MB 885-21555/1-A	Method Blank	Total/NA	Solid	8021B	21555
LCS 885-21555/3-A	Lab Control Sample	Total/NA	Solid	8021B	21555

GC Semi VOA

Analysis Batch: 21472

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-20565-1	S-1	Total/NA	Solid	8015M/D	21563
885-20565-2	S-2	Total/NA	Solid	8015M/D	21563
885-20565-3	S-3	Total/NA	Solid	8015M/D	21563
885-20565-4	S-4	Total/NA	Solid	8015M/D	21563
885-20565-5	S-5	Total/NA	Solid	8015M/D	21563
885-20565-6	S-6	Total/NA	Solid	8015M/D	21563
885-20565-7	S-7	Total/NA	Solid	8015M/D	21563
885-20565-8	S-8	Total/NA	Solid	8015M/D	21563
885-20565-9	S-9	Total/NA	Solid	8015M/D	21563
885-20565-10	S-10	Total/NA	Solid	8015M/D	21563
885-20565-21	S-21	Total/NA	Solid	8015M/D	21573
MB 885-21563/1-A	Method Blank	Total/NA	Solid	8015M/D	21563
LCS 885-21563/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	21563
885-20565-5 MS	S-5	Total/NA	Solid	8015M/D	21563
885-20565-5 MSD	S-5	Total/NA	Solid	8015M/D	21563
885-20565-21 MS	S-21	Total/NA	Solid	8015M/D	21573
885-20565-21 MSD	S-21	Total/NA	Solid	8015M/D	21573

Prep Batch: 21563

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-20565-1	S-1	Total/NA	Solid	SHAKE	
885-20565-2	S-2	Total/NA	Solid	SHAKE	
885-20565-3	S-3	Total/NA	Solid	SHAKE	
885-20565-4	S-4	Total/NA	Solid	SHAKE	
885-20565-5	S-5	Total/NA	Solid	SHAKE	
885-20565-6	S-6	Total/NA	Solid	SHAKE	
885-20565-7	S-7	Total/NA	Solid	SHAKE	
885-20565-8	S-8	Total/NA	Solid	SHAKE	
885-20565-9	S-9	Total/NA	Solid	SHAKE	
885-20565-10	S-10	Total/NA	Solid	SHAKE	
885-20565-11	S-11	Total/NA	Solid	SHAKE	
885-20565-12	S-12	Total/NA	Solid	SHAKE	
885-20565-13	S-13	Total/NA	Solid	SHAKE	
885-20565-14	S-14	Total/NA	Solid	SHAKE	
885-20565-15	S-15	Total/NA	Solid	SHAKE	

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QC Association Summary

Client: Ensolum
Project/Site: Atlantic A # 8B

Job ID: 885-20565-1

GC Semi VOA (Continued)

Prep Batch: 21563 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-20565-16	S-16	Total/NA	Solid	SHAKE	
885-20565-17	S-17	Total/NA	Solid	SHAKE	
885-20565-18	S-18	Total/NA	Solid	SHAKE	
885-20565-19	S-19	Total/NA	Solid	SHAKE	
885-20565-20	S-20	Total/NA	Solid	SHAKE	
MB 885-21563/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-21563/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
885-20565-5 MS	S-5	Total/NA	Solid	SHAKE	
885-20565-5 MSD	S-5	Total/NA	Solid	SHAKE	

Prep Batch: 21573

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-20565-21	S-21	Total/NA	Solid	SHAKE	
MB 885-21573/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-21573/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
885-20565-21 MS	S-21	Total/NA	Solid	SHAKE	
885-20565-21 MSD	S-21	Total/NA	Solid	SHAKE	

Analysis Batch: 21581

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-20565-11	S-11	Total/NA	Solid	8015M/D	21563
885-20565-12	S-12	Total/NA	Solid	8015M/D	21563
885-20565-13	S-13	Total/NA	Solid	8015M/D	21563
885-20565-14	S-14	Total/NA	Solid	8015M/D	21563
885-20565-15	S-15	Total/NA	Solid	8015M/D	21563
885-20565-16	S-16	Total/NA	Solid	8015M/D	21563
885-20565-17	S-17	Total/NA	Solid	8015M/D	21563
885-20565-18	S-18	Total/NA	Solid	8015M/D	21563
885-20565-19	S-19	Total/NA	Solid	8015M/D	21563
885-20565-20	S-20	Total/NA	Solid	8015M/D	21563
MB 885-21573/1-A	Method Blank	Total/NA	Solid	8015M/D	21573
LCS 885-21573/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	21573

HPLC/IC

Prep Batch: 21545

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-20565-1	S-1	Total/NA	Solid	300_Prep	
885-20565-2	S-2	Total/NA	Solid	300_Prep	
885-20565-3	S-3	Total/NA	Solid	300_Prep	
885-20565-4	S-4	Total/NA	Solid	300_Prep	
885-20565-5	S-5	Total/NA	Solid	300_Prep	
885-20565-6	S-6	Total/NA	Solid	300_Prep	
885-20565-7	S-7	Total/NA	Solid	300_Prep	
885-20565-8	S-8	Total/NA	Solid	300_Prep	
MB 885-21545/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-21545/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

Analysis Batch: 21548

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-20565-1	S-1	Total/NA	Solid	300.0	21545

Eurofins Albuquerque

QC Association Summary

Client: Ensolum
Project/Site: Atlantic A # 8B

Job ID: 885-20565-1

HPLC/IC (Continued)

Analysis Batch: 21548 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-20565-2	S-2	Total/NA	Solid	300.0	21545
885-20565-3	S-3	Total/NA	Solid	300.0	21545
885-20565-4	S-4	Total/NA	Solid	300.0	21545
885-20565-5	S-5	Total/NA	Solid	300.0	21545
885-20565-6	S-6	Total/NA	Solid	300.0	21545
885-20565-7	S-7	Total/NA	Solid	300.0	21545
885-20565-8	S-8	Total/NA	Solid	300.0	21545
885-20565-18	S-18	Total/NA	Solid	300.0	21578
885-20565-19	S-19	Total/NA	Solid	300.0	21578
885-20565-20	S-20	Total/NA	Solid	300.0	21578
885-20565-21	S-21	Total/NA	Solid	300.0	21578
MB 885-21545/1-A	Method Blank	Total/NA	Solid	300.0	21545
LCS 885-21545/2-A	Lab Control Sample	Total/NA	Solid	300.0	21545

Prep Batch: 21549

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MRL 885-21549/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

Prep Batch: 21578

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-20565-9	S-9	Total/NA	Solid	300_Prep	
885-20565-10	S-10	Total/NA	Solid	300_Prep	
885-20565-11	S-11	Total/NA	Solid	300_Prep	
885-20565-12	S-12	Total/NA	Solid	300_Prep	
885-20565-13	S-13	Total/NA	Solid	300_Prep	
885-20565-14	S-14	Total/NA	Solid	300_Prep	
885-20565-15	S-15	Total/NA	Solid	300_Prep	
885-20565-16	S-16	Total/NA	Solid	300_Prep	
885-20565-17	S-17	Total/NA	Solid	300_Prep	
885-20565-18	S-18	Total/NA	Solid	300_Prep	
885-20565-19	S-19	Total/NA	Solid	300_Prep	
885-20565-20	S-20	Total/NA	Solid	300_Prep	
885-20565-21	S-21	Total/NA	Solid	300_Prep	
MB 885-21578/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-21578/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

Analysis Batch: 21588

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-20565-9	S-9	Total/NA	Solid	300.0	21578
885-20565-10	S-10	Total/NA	Solid	300.0	21578
885-20565-11	S-11	Total/NA	Solid	300.0	21578
885-20565-12	S-12	Total/NA	Solid	300.0	21578
885-20565-13	S-13	Total/NA	Solid	300.0	21578
885-20565-14	S-14	Total/NA	Solid	300.0	21578
885-20565-15	S-15	Total/NA	Solid	300.0	21578
885-20565-16	S-16	Total/NA	Solid	300.0	21578
885-20565-17	S-17	Total/NA	Solid	300.0	21578
MB 885-21578/1-A	Method Blank	Total/NA	Solid	300.0	21578
LCS 885-21578/2-A	Lab Control Sample	Total/NA	Solid	300.0	21578
MRL 885-21549/2-A	Lab Control Sample	Total/NA	Solid	300.0	21549

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Lab Chronicle

Client: Ensolum
Project/Site: Atlantic A # 8B

Job ID: 885-20565-1

Client Sample ID: S-1
Date Collected: 02/26/25 11:00
Date Received: 02/27/25 07:10

Lab Sample ID: 885-20565-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			21554	JP	EET ALB	02/27/25 08:34
Total/NA	Analysis	8015M/D		1	21552	AT	EET ALB	02/27/25 10:39
Total/NA	Prep	5035			21554	JP	EET ALB	02/27/25 08:34
Total/NA	Analysis	8021B		1	21553	AT	EET ALB	02/27/25 10:39
Total/NA	Prep	SHAKE			21563	EM	EET ALB	02/27/25 09:44
Total/NA	Analysis	8015M/D		1	21472	EM	EET ALB	02/27/25 14:28
Total/NA	Prep	300_Prep			21545	DL	EET ALB	02/27/25 07:30
Total/NA	Analysis	300.0		20	21548	DL	EET ALB	02/27/25 11:26

Client Sample ID: S-2
Date Collected: 02/26/25 11:05
Date Received: 02/27/25 07:10

Lab Sample ID: 885-20565-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			21554	JP	EET ALB	02/27/25 08:34
Total/NA	Analysis	8015M/D		1	21552	AT	EET ALB	02/27/25 11:01
Total/NA	Prep	5035			21554	JP	EET ALB	02/27/25 08:34
Total/NA	Analysis	8021B		1	21553	AT	EET ALB	02/27/25 11:01
Total/NA	Prep	SHAKE			21563	EM	EET ALB	02/27/25 09:44
Total/NA	Analysis	8015M/D		1	21472	EM	EET ALB	02/27/25 14:39
Total/NA	Prep	300_Prep			21545	DL	EET ALB	02/27/25 07:30
Total/NA	Analysis	300.0		20	21548	DL	EET ALB	02/27/25 11:38

Client Sample ID: S-3
Date Collected: 02/26/25 11:10
Date Received: 02/27/25 07:10

Lab Sample ID: 885-20565-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			21554	JP	EET ALB	02/27/25 08:34
Total/NA	Analysis	8015M/D		1	21552	AT	EET ALB	02/27/25 11:23
Total/NA	Prep	5035			21554	JP	EET ALB	02/27/25 08:34
Total/NA	Analysis	8021B		1	21553	AT	EET ALB	02/27/25 11:23
Total/NA	Prep	SHAKE			21563	EM	EET ALB	02/27/25 09:44
Total/NA	Analysis	8015M/D		1	21472	EM	EET ALB	02/27/25 14:50
Total/NA	Prep	300_Prep			21545	DL	EET ALB	02/27/25 07:30
Total/NA	Analysis	300.0		20	21548	DL	EET ALB	02/27/25 11:49

Client Sample ID: S-4
Date Collected: 02/26/25 11:15
Date Received: 02/27/25 07:10

Lab Sample ID: 885-20565-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			21554	JP	EET ALB	02/27/25 08:34
Total/NA	Analysis	8015M/D		1	21552	AT	EET ALB	02/27/25 11:46

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Lab Chronicle

Client: Ensolum
Project/Site: Atlantic A # 8B

Job ID: 885-20565-1

Client Sample ID: S-4
Date Collected: 02/26/25 11:15
Date Received: 02/27/25 07:10

Lab Sample ID: 885-20565-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			21554	JP	EET ALB	02/27/25 08:34
Total/NA	Analysis	8021B		1	21553	AT	EET ALB	02/27/25 11:46
Total/NA	Prep	SHAKE			21563	EM	EET ALB	02/27/25 09:44
Total/NA	Analysis	8015M/D		1	21472	EM	EET ALB	02/27/25 15:01
Total/NA	Prep	300_Prep			21545	DL	EET ALB	02/27/25 07:30
Total/NA	Analysis	300.0		20	21548	DL	EET ALB	02/27/25 12:01

Client Sample ID: S-5
Date Collected: 02/26/25 11:20
Date Received: 02/27/25 07:10

Lab Sample ID: 885-20565-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			21554	JP	EET ALB	02/27/25 08:34
Total/NA	Analysis	8015M/D		1	21552	AT	EET ALB	02/27/25 12:08
Total/NA	Prep	5035			21554	JP	EET ALB	02/27/25 08:34
Total/NA	Analysis	8021B		1	21553	AT	EET ALB	02/27/25 12:08
Total/NA	Prep	SHAKE			21563	EM	EET ALB	02/27/25 09:44
Total/NA	Analysis	8015M/D		1	21472	EM	EET ALB	02/27/25 15:11
Total/NA	Prep	300_Prep			21545	DL	EET ALB	02/27/25 07:30
Total/NA	Analysis	300.0		20	21548	DL	EET ALB	02/27/25 12:13

Client Sample ID: S-6
Date Collected: 02/26/25 11:25
Date Received: 02/27/25 07:10

Lab Sample ID: 885-20565-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			21554	JP	EET ALB	02/27/25 08:34
Total/NA	Analysis	8015M/D		1	21552	AT	EET ALB	02/27/25 12:30
Total/NA	Prep	5035			21554	JP	EET ALB	02/27/25 08:34
Total/NA	Analysis	8021B		1	21553	AT	EET ALB	02/27/25 12:30
Total/NA	Prep	SHAKE			21563	EM	EET ALB	02/27/25 09:44
Total/NA	Analysis	8015M/D		1	21472	EM	EET ALB	02/27/25 15:44
Total/NA	Prep	300_Prep			21545	DL	EET ALB	02/27/25 07:30
Total/NA	Analysis	300.0		20	21548	DL	EET ALB	02/27/25 12:25

Client Sample ID: S-7
Date Collected: 02/26/25 11:30
Date Received: 02/27/25 07:10

Lab Sample ID: 885-20565-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			21554	JP	EET ALB	02/27/25 08:34
Total/NA	Analysis	8015M/D		1	21552	AT	EET ALB	02/27/25 14:07
Total/NA	Prep	5035			21554	JP	EET ALB	02/27/25 08:34
Total/NA	Analysis	8021B		1	21553	AT	EET ALB	02/27/25 14:07

Eurofins Albuquerque

Lab Chronicle

Client: Ensolum
Project/Site: Atlantic A # 8B

Job ID: 885-20565-1

Client Sample ID: S-7
Date Collected: 02/26/25 11:30
Date Received: 02/27/25 07:10

Lab Sample ID: 885-20565-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			21563	EM	EET ALB	02/27/25 09:44
Total/NA	Analysis	8015M/D		1	21472	EM	EET ALB	02/27/25 15:55
Total/NA	Prep	300_Prep			21545	DL	EET ALB	02/27/25 07:30
Total/NA	Analysis	300.0		20	21548	DL	EET ALB	02/27/25 12:37

Client Sample ID: S-8
Date Collected: 02/26/25 11:35
Date Received: 02/27/25 07:10

Lab Sample ID: 885-20565-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			21554	JP	EET ALB	02/27/25 08:34
Total/NA	Analysis	8015M/D		1	21552	AT	EET ALB	02/27/25 14:30
Total/NA	Prep	5035			21554	JP	EET ALB	02/27/25 08:34
Total/NA	Analysis	8021B		1	21553	AT	EET ALB	02/27/25 14:30
Total/NA	Prep	SHAKE			21563	EM	EET ALB	02/27/25 09:44
Total/NA	Analysis	8015M/D		1	21472	EM	EET ALB	02/27/25 16:05
Total/NA	Prep	300_Prep			21545	DL	EET ALB	02/27/25 07:30
Total/NA	Analysis	300.0		20	21548	DL	EET ALB	02/27/25 13:12

Client Sample ID: S-9
Date Collected: 02/26/25 11:40
Date Received: 02/27/25 07:10

Lab Sample ID: 885-20565-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			21554	JP	EET ALB	02/27/25 08:34
Total/NA	Analysis	8015M/D		1	21606	JP	EET ALB	02/27/25 14:16
Total/NA	Prep	5035			21554	JP	EET ALB	02/27/25 08:34
Total/NA	Analysis	8021B		1	21553	AT	EET ALB	02/27/25 18:35
Total/NA	Prep	SHAKE			21563	EM	EET ALB	02/27/25 09:44
Total/NA	Analysis	8015M/D		1	21472	EM	EET ALB	02/27/25 16:16
Total/NA	Prep	300_Prep			21578	DL	EET ALB	02/27/25 10:54
Total/NA	Analysis	300.0		20	21588	DL	EET ALB	02/27/25 13:47

Client Sample ID: S-10
Date Collected: 02/26/25 11:45
Date Received: 02/27/25 07:10

Lab Sample ID: 885-20565-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			21554	JP	EET ALB	02/27/25 08:34
Total/NA	Analysis	8015M/D		1	21606	JP	EET ALB	02/27/25 14:40
Total/NA	Prep	5035			21554	JP	EET ALB	02/27/25 08:34
Total/NA	Analysis	8021B		1	21553	AT	EET ALB	02/27/25 18:57
Total/NA	Prep	SHAKE			21563	EM	EET ALB	02/27/25 09:44
Total/NA	Analysis	8015M/D		1	21472	EM	EET ALB	02/27/25 16:27

Eurofins Albuquerque

Lab Chronicle

Client: Ensolum
Project/Site: Atlantic A # 8B

Job ID: 885-20565-1

Client Sample ID: S-10
Date Collected: 02/26/25 11:45
Date Received: 02/27/25 07:10

Lab Sample ID: 885-20565-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	300_Prep			21578	DL	EET ALB	02/27/25 10:54
Total/NA	Analysis	300.0		20	21588	DL	EET ALB	02/27/25 13:57

Client Sample ID: S-11
Date Collected: 02/26/25 11:50
Date Received: 02/27/25 07:10

Lab Sample ID: 885-20565-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			21554	JP	EET ALB	02/27/25 08:34
Total/NA	Analysis	8015M/D		1	21606	JP	EET ALB	02/27/25 15:05
Total/NA	Prep	5035			21554	JP	EET ALB	02/27/25 08:34
Total/NA	Analysis	8021B		1	21553	AT	EET ALB	02/27/25 19:19
Total/NA	Prep	SHAKE			21563	EM	EET ALB	02/27/25 09:44
Total/NA	Analysis	8015M/D		1	21581	MI	EET ALB	02/27/25 12:56
Total/NA	Prep	300_Prep			21578	DL	EET ALB	02/27/25 10:54
Total/NA	Analysis	300.0		20	21588	DL	EET ALB	02/27/25 14:07

Client Sample ID: S-12
Date Collected: 02/26/25 11:55
Date Received: 02/27/25 07:10

Lab Sample ID: 885-20565-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			21554	JP	EET ALB	02/27/25 08:34
Total/NA	Analysis	8015M/D		1	21552	AT	EET ALB	02/27/25 14:52
Total/NA	Prep	5035			21554	JP	EET ALB	02/27/25 08:34
Total/NA	Analysis	8021B		1	21553	AT	EET ALB	02/27/25 14:52
Total/NA	Prep	SHAKE			21563	EM	EET ALB	02/27/25 09:44
Total/NA	Analysis	8015M/D		1	21581	MI	EET ALB	02/27/25 13:19
Total/NA	Prep	300_Prep			21578	DL	EET ALB	02/27/25 10:54
Total/NA	Analysis	300.0		20	21588	DL	EET ALB	02/27/25 14:17

Client Sample ID: S-13
Date Collected: 02/26/25 12:00
Date Received: 02/27/25 07:10

Lab Sample ID: 885-20565-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			21554	JP	EET ALB	02/27/25 08:34
Total/NA	Analysis	8015M/D		1	21552	AT	EET ALB	02/27/25 15:14
Total/NA	Prep	5035			21554	JP	EET ALB	02/27/25 08:34
Total/NA	Analysis	8021B		1	21553	AT	EET ALB	02/27/25 15:14
Total/NA	Prep	SHAKE			21563	EM	EET ALB	02/27/25 09:44
Total/NA	Analysis	8015M/D		1	21581	MI	EET ALB	02/27/25 13:43
Total/NA	Prep	300_Prep			21578	DL	EET ALB	02/27/25 10:54
Total/NA	Analysis	300.0		20	21588	DL	EET ALB	02/27/25 14:26

Lab Chronicle

Client: Ensolum
Project/Site: Atlantic A # 8B

Job ID: 885-20565-1

Client Sample ID: S-14
Date Collected: 02/26/25 12:05
Date Received: 02/27/25 07:10

Lab Sample ID: 885-20565-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			21554	JP	EET ALB	02/27/25 08:34
Total/NA	Analysis	8015M/D		1	21552	AT	EET ALB	02/27/25 15:59
Total/NA	Prep	5035			21554	JP	EET ALB	02/27/25 08:34
Total/NA	Analysis	8021B		1	21553	AT	EET ALB	02/27/25 15:59
Total/NA	Prep	SHAKE			21563	EM	EET ALB	02/27/25 09:44
Total/NA	Analysis	8015M/D		1	21581	MI	EET ALB	02/27/25 14:06
Total/NA	Prep	300_Prep			21578	DL	EET ALB	02/27/25 10:54
Total/NA	Analysis	300.0		20	21588	DL	EET ALB	02/27/25 14:36

Client Sample ID: S-15
Date Collected: 02/26/25 12:10
Date Received: 02/27/25 07:10

Lab Sample ID: 885-20565-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			21554	JP	EET ALB	02/27/25 08:34
Total/NA	Analysis	8015M/D		1	21552	AT	EET ALB	02/27/25 16:22
Total/NA	Prep	5035			21554	JP	EET ALB	02/27/25 08:34
Total/NA	Analysis	8021B		1	21553	AT	EET ALB	02/27/25 16:22
Total/NA	Prep	SHAKE			21563	EM	EET ALB	02/27/25 09:44
Total/NA	Analysis	8015M/D		1	21581	MI	EET ALB	02/27/25 14:30
Total/NA	Prep	300_Prep			21578	DL	EET ALB	02/27/25 10:54
Total/NA	Analysis	300.0		20	21588	DL	EET ALB	02/27/25 14:46

Client Sample ID: S-16
Date Collected: 02/26/25 12:15
Date Received: 02/27/25 07:10

Lab Sample ID: 885-20565-16
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			21554	JP	EET ALB	02/27/25 08:34
Total/NA	Analysis	8015M/D		1	21565	JP	EET ALB	02/27/25 11:02
Total/NA	Prep	5035			21554	JP	EET ALB	02/27/25 08:34
Total/NA	Analysis	8021B		1	21553	AT	EET ALB	02/27/25 16:45
Total/NA	Prep	SHAKE			21563	EM	EET ALB	02/27/25 09:44
Total/NA	Analysis	8015M/D		1	21581	MI	EET ALB	02/27/25 14:53
Total/NA	Prep	300_Prep			21578	DL	EET ALB	02/27/25 10:54
Total/NA	Analysis	300.0		20	21588	DL	EET ALB	02/27/25 14:56

Client Sample ID: S-17
Date Collected: 02/26/25 12:20
Date Received: 02/27/25 07:10

Lab Sample ID: 885-20565-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			21554	JP	EET ALB	02/27/25 08:34
Total/NA	Analysis	8015M/D		1	21565	JP	EET ALB	02/27/25 11:26

Eurofins Albuquerque

Lab Chronicle

Client: Ensolum
Project/Site: Atlantic A # 8B

Job ID: 885-20565-1

Client Sample ID: S-17

Lab Sample ID: 885-20565-17

Date Collected: 02/26/25 12:20

Matrix: Solid

Date Received: 02/27/25 07:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			21554	JP	EET ALB	02/27/25 08:34
Total/NA	Analysis	8021B		1	21553	AT	EET ALB	02/27/25 17:07
Total/NA	Prep	SHAKE			21563	EM	EET ALB	02/27/25 09:44
Total/NA	Analysis	8015M/D		1	21581	MI	EET ALB	02/27/25 15:16
Total/NA	Prep	300_Prep			21578	DL	EET ALB	02/27/25 10:54
Total/NA	Analysis	300.0		20	21588	DL	EET ALB	02/27/25 15:26

Client Sample ID: S-18

Lab Sample ID: 885-20565-18

Date Collected: 02/26/25 12:25

Matrix: Solid

Date Received: 02/27/25 07:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			21554	JP	EET ALB	02/27/25 08:34
Total/NA	Analysis	8015M/D		1	21565	JP	EET ALB	02/27/25 11:50
Total/NA	Prep	5035			21554	JP	EET ALB	02/27/25 08:34
Total/NA	Analysis	8021B		1	21553	AT	EET ALB	02/27/25 17:29
Total/NA	Prep	SHAKE			21563	EM	EET ALB	02/27/25 09:44
Total/NA	Analysis	8015M/D		1	21581	MI	EET ALB	02/27/25 15:40
Total/NA	Prep	300_Prep			21578	DL	EET ALB	02/27/25 10:54
Total/NA	Analysis	300.0		20	21548	DL	EET ALB	02/27/25 14:24

Client Sample ID: S-19

Lab Sample ID: 885-20565-19

Date Collected: 02/26/25 12:30

Matrix: Solid

Date Received: 02/27/25 07:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			21554	JP	EET ALB	02/27/25 08:34
Total/NA	Analysis	8015M/D		1	21565	JP	EET ALB	02/27/25 12:14
Total/NA	Prep	5035			21554	JP	EET ALB	02/27/25 08:34
Total/NA	Analysis	8021B		1	21553	AT	EET ALB	02/27/25 17:51
Total/NA	Prep	SHAKE			21563	EM	EET ALB	02/27/25 09:44
Total/NA	Analysis	8015M/D		1	21581	MI	EET ALB	02/27/25 16:04
Total/NA	Prep	300_Prep			21578	DL	EET ALB	02/27/25 10:54
Total/NA	Analysis	300.0		20	21548	DL	EET ALB	02/27/25 14:36

Client Sample ID: S-20

Lab Sample ID: 885-20565-20

Date Collected: 02/26/25 12:35

Matrix: Solid

Date Received: 02/27/25 07:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			21554	JP	EET ALB	02/27/25 08:34
Total/NA	Analysis	8015M/D		1	21565	JP	EET ALB	02/27/25 12:38
Total/NA	Prep	5035			21554	JP	EET ALB	02/27/25 08:34
Total/NA	Analysis	8021B		1	21553	AT	EET ALB	02/27/25 18:13

Eurofins Albuquerque

Lab Chronicle

Client: Ensolum
Project/Site: Atlantic A # 8B

Job ID: 885-20565-1

Client Sample ID: S-20
Date Collected: 02/26/25 12:35
Date Received: 02/27/25 07:10

Lab Sample ID: 885-20565-20
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			21563	EM	EET ALB	02/27/25 09:44
Total/NA	Analysis	8015M/D		1	21581	MI	EET ALB	02/27/25 16:27
Total/NA	Prep	300_Prep			21578	DL	EET ALB	02/27/25 10:54
Total/NA	Analysis	300.0		20	21548	DL	EET ALB	02/27/25 14:47

Client Sample ID: S-21
Date Collected: 02/26/25 12:40
Date Received: 02/27/25 07:10

Lab Sample ID: 885-20565-21
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			21555	JP	EET ALB	02/27/25 08:34
Total/NA	Analysis	8015M/D		1	21604	JP	EET ALB	02/27/25 13:02
Total/NA	Prep	5035			21555	JP	EET ALB	02/27/25 08:34
Total/NA	Analysis	8021B		1	21622	AT	EET ALB	02/27/25 22:33
Total/NA	Prep	SHAKE			21573	EM	EET ALB	02/27/25 10:16
Total/NA	Analysis	8015M/D		1	21472	EM	EET ALB	02/27/25 17:53
Total/NA	Prep	300_Prep			21578	DL	EET ALB	02/27/25 10:54
Total/NA	Analysis	300.0		20	21548	DL	EET ALB	02/27/25 14:59

Laboratory References:
EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Accreditation/Certification Summary

Client: Ensolum
Project/Site: Atlantic A # 8B

Job ID: 885-20565-1

Laboratory: Eurofins Albuquerque

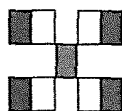
All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arizona	State	AZ0682	10-21-25
Texas	NELAP	T104704424-23-16	06-01-25

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Chain-of-Custody Record		Turn-Around Time: 100 days	
Client: Ensolun LLC	☐ Standard	☒ Rush	2-27-25
Project Name: Atlantic A #8B		Project #:	
Project Manager: K Summers		Project #:	
Sampler: CD Apontj		On Ice: ☒ Yes ☐ No	
# of Coolers: 1		Cooler Temp (Including CF): 54-0-155.3 (°C)	

2/28/2025



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

email or Fax#:		QA/QC Package:		Project Manager:	
☐ Standard ☐ Level 4 (Full Validation)		Accreditation: ☐ Az Compliance ☐ NELAC ☐ Other		Sampler: <i>C. D. Apontis</i> On Ice: ☒ Yes ☐ No <i>mojo</i> # of Coolers: <i>1</i>	
☐ EDD (Type)		Cooler Temp (including cp): <i>5.4-0.1-5.3</i> (°C)			
Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type
2/26	1200	S	S-13	4oz Jar	<i>Pres</i>
2/26	1205	S	S-14		
2/26	1210	S	S-15		
2/26	1215	S	S-16		
2/26	1220	S	S-17		
2/26	1225	S	S-18		
2/26	1230	S	S-19		
2/26	1235	S	S-20		
2/26	1240	S	S-21		

Remarks:

S: Tom Long
R1321200

2022

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 885-20565-1

Login Number: 20565

List Number: 1

Creator: Casarrubias, Tracy

List Source: Eurofins Albuquerque

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	



Environment Testing

- 1
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ANALYTICAL REPORT

PREPARED FOR

Attn: Kyle Summers
Ensolum
606 S Rio Grande
Suite A
Aztec, New Mexico 87410
Generated 3/6/2025 3:39:10 PM

JOB DESCRIPTION

Atlantic A # 8B

JOB NUMBER

885-20573-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

Eurofins Albuquerque

Job Notes

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

Authorization



Generated
3/6/2025 3:39:10 PM

Authorized for release by
John Caldwell, Project Manager
john.caldwell@et.eurofinsus.com
(505)345-3975

Client: Ensolum
Project/Site: Atlantic A # 8B

Laboratory Job ID: 885-20573-1

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Definitions/Glossary

Client: Ensolum
Project/Site: Atlantic A # 8B

Job ID: 885-20573-1

Glossary

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

Case Narrative

Client: Ensolum
Project: Atlantic A # 8B

Job ID: 885-20573-1

Job ID: 885-20573-1**Eurofins Albuquerque****Job Narrative
885-20573-1**

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The sample was received on 2/27/2025 7:10 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.2°C.

Gasoline Range Organics

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

GC VOA

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

Diesel Range Organics

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

HPLC/IC

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

Eurofins Albuquerque

Client Sample Results

Client: Ensolum
Project/Site: Atlantic A # 8B

Job ID: 885-20573-1

Client Sample ID: BF-1

Lab Sample ID: 885-20573-1

Date Collected: 02/26/25 13:00

Matrix: Solid

Date Received: 02/27/25 07:10

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	ND		5.0	mg/Kg		02/28/25 15:30	03/04/25 21:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		35 - 166	02/28/25 15:30	03/04/25 21:50	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		02/28/25 15:30	03/04/25 21:50	1
Ethylbenzene	ND		0.050	mg/Kg		02/28/25 15:30	03/04/25 21:50	1
Toluene	ND		0.050	mg/Kg		02/28/25 15:30	03/04/25 21:50	1
Xylenes, Total	ND		0.099	mg/Kg		02/28/25 15:30	03/04/25 21:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		48 - 145	02/28/25 15:30	03/04/25 21:50	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		03/04/25 11:43	03/04/25 17:02	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		03/04/25 11:43	03/04/25 17:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	106		62 - 134	03/04/25 11:43	03/04/25 17:02	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		03/03/25 08:59	03/03/25 15:52	20

Eurofins Albuquerque

QC Sample Results

Client: Ensolum
Project/Site: Atlantic A # 8B

Job ID: 885-20573-1

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

Lab Sample ID: MB 885-21838/1-A

Matrix: Solid

Analysis Batch: 21791

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 21838

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		03/04/25 11:43	03/04/25 16:40	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		03/04/25 11:43	03/04/25 16:40	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	92		62 - 134			03/04/25 11:43	03/04/25 16:40	1

Lab Sample ID: LCS 885-21838/2-A

Matrix: Solid

Analysis Batch: 21791

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 21838

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	51.7		mg/Kg		103	60 - 135
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
Di-n-octyl phthalate (Surr)	85		62 - 134				

Lab Sample ID: 885-20573-1 MS

Matrix: Solid

Analysis Batch: 21791

Client Sample ID: BF-1

Prep Type: Total/NA

Prep Batch: 21838

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	ND		48.5	48.5		mg/Kg		100	44 - 136
Surrogate	MS %Recovery	MS Qualifier	Limits						
Di-n-octyl phthalate (Surr)	87		62 - 134						

Lab Sample ID: 885-20573-1 MSD

Matrix: Solid

Analysis Batch: 21791

Client Sample ID: BF-1

Prep Type: Total/NA

Prep Batch: 21838

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	ND		45.6	45.0		mg/Kg		99	44 - 136	8	32
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
Di-n-octyl phthalate (Surr)	85		62 - 134								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-21735/1-A

Matrix: Solid

Analysis Batch: 21741

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 21735

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		3.0	mg/Kg		03/03/25 08:59	03/03/25 10:44	1

Eurofins Albuquerque

QC Sample Results

Client: Ensolum
Project/Site: Atlantic A # 8B

Job ID: 885-20573-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 885-21735/2-A				Client Sample ID: Lab Control Sample			
Matrix: Solid				Prep Type: Total/NA			
Analysis Batch: 21741				Prep Batch: 21735			
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	30.0	29.2		mg/Kg		97	90 - 110

QC Association Summary

Client: Ensolum
Project/Site: Atlantic A # 8B

Job ID: 885-20573-1

GC VOA

Prep Batch: 21694

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-20573-1	BF-1	Total/NA	Solid	5030C	

Analysis Batch: 21865

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-20573-1	BF-1	Total/NA	Solid	8021B	21694

Analysis Batch: 21866

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-20573-1	BF-1	Total/NA	Solid	8015M/D	21694

GC Semi VOA

Analysis Batch: 21791

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-20573-1	BF-1	Total/NA	Solid	8015M/D	21838
MB 885-21838/1-A	Method Blank	Total/NA	Solid	8015M/D	21838
LCS 885-21838/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	21838
885-20573-1 MS	BF-1	Total/NA	Solid	8015M/D	21838
885-20573-1 MSD	BF-1	Total/NA	Solid	8015M/D	21838

Prep Batch: 21838

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-20573-1	BF-1	Total/NA	Solid	SHAKE	
MB 885-21838/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-21838/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
885-20573-1 MS	BF-1	Total/NA	Solid	SHAKE	
885-20573-1 MSD	BF-1	Total/NA	Solid	SHAKE	

HPLC/IC

Prep Batch: 21735

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-20573-1	BF-1	Total/NA	Solid	300_Prep	
MB 885-21735/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-21735/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

Analysis Batch: 21741

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-20573-1	BF-1	Total/NA	Solid	300.0	21735
MB 885-21735/1-A	Method Blank	Total/NA	Solid	300.0	21735
LCS 885-21735/2-A	Lab Control Sample	Total/NA	Solid	300.0	21735

Lab Chronicle

Client: Ensolum
Project/Site: Atlantic A # 8B

Job ID: 885-20573-1

Client Sample ID: BF-1
Date Collected: 02/26/25 13:00
Date Received: 02/27/25 07:10

Lab Sample ID: 885-20573-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			21694	JP	EET ALB	02/28/25 15:30
Total/NA	Analysis	8015M/D		1	21866	AT	EET ALB	03/04/25 21:50
Total/NA	Prep	5030C			21694	JP	EET ALB	02/28/25 15:30
Total/NA	Analysis	8021B		1	21865	AT	EET ALB	03/04/25 21:50
Total/NA	Prep	SHAKE			21838	MI	EET ALB	03/04/25 11:43
Total/NA	Analysis	8015M/D		1	21791	MI	EET ALB	03/04/25 17:02
Total/NA	Prep	300_Prep			21735	DL	EET ALB	03/03/25 08:59
Total/NA	Analysis	300.0		20	21741	DL	EET ALB	03/03/25 15:52

Laboratory References:
EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Accreditation/Certification Summary

Client: Ensolum
Project/Site: Atlantic A # 8B

Job ID: 885-20573-1

Laboratory: Eurofins Albuquerque

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arizona	State	AZ0682	10-21-25
Texas	NELAP	T104704424-23-16	06-01-25

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 885-20573-1

Login Number: 20573

List Number: 1

Creator: Casarrubias, Tracy

List Source: Eurofins Albuquerque

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

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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

QUESTIONS

Action 460216

QUESTIONS

Operator: Enterprise Field Services, LLC PO Box 4324 Houston, TX 77210	OGRID: 241602
	Action Number: 460216
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2505538759
Incident Name	NAPP2505538759 ATLANTIC A #8B @ 0
Incident Type	Natural Gas Release
Incident Status	Reclamation Report Received

Location of Release Source*Please answer all the questions in this group.*

Site Name	Atlantic A #8B
Date Release Discovered	02/24/2025
Surface Owner	Federal

Incident Details*Please answer all the questions in this group.*

Incident Type	Natural Gas Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release*Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.*

Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Cause: Equipment Failure Pipeline (Any) Condensate Released: 5 BBL Recovered: 0 BBL Lost: 5 BBL.
Natural Gas Vented (Mcf) Details	Cause: Equipment Failure Pipeline (Any) Natural Gas Vented Released: 0 MCF Recovered: 0 MCF Lost: 0 MCF.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 460216

QUESTIONS (continued)

Operator: Enterprise Field Services, LLC PO Box 4324 Houston, TX 77210	OGRID: 241602
	Action Number: 460216
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	More info needed to determine if this will be treated as a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	<i>Unavailable.</i>
<i>With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.</i>	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	None

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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.

I hereby agree and sign off to the above statement	Name: Thomas Long Title: Sr Field Environmental Scientist Email: tjlong@eprod.com Date: 03/03/2025
--	---

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QUESTIONS, Page 3

Action 460216

QUESTIONS (continued)

Operator: Enterprise Field Services, LLC PO Box 4324 Houston, TX 77210	OGRID: 241602
	Action Number: 460216
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Site Characterization	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 26 and 50 (ft.)
What method was used to determine the depth to ground water	OCD Imaging Records Lookup
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 100 and 200 (ft.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1 and 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between 100 and 200 (ft.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	60
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	3.8
GRO+DRO (EPA SW-846 Method 8015M)	3.8
BTEX (EPA SW-846 Method 8021B or 8260B)	0.1
Benzene (EPA SW-846 Method 8021B or 8260B)	0.1
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	02/24/2025
On what date will (or did) the final sampling or liner inspection occur	02/26/2025
On what date will (or was) the remediation complete(d)	02/26/2025
What is the estimated surface area (in square feet) that will be reclaimed	1300
What is the estimated volume (in cubic yards) that will be reclaimed	528
What is the estimated surface area (in square feet) that will be remediated	1300
What is the estimated volume (in cubic yards) that will be remediated	528
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 4

Action 460216

QUESTIONS (continued)

Operator: Enterprise Field Services, LLC PO Box 4324 Houston, TX 77210	OGRID: 241602
	Action Number: 460216
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	ENVIROTECH LANDFARM #1 [FEEM0112334691]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
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.	
I hereby agree and sign off to the above statement	Name: Thomas Long Title: Sr Field Environmental Scientist Email: tjlong@eprod.com Date: 05/08/2025
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 460216

QUESTIONS (continued)

Operator: Enterprise Field Services, LLC PO Box 4324 Houston, TX 77210	OGRID: 241602
	Action Number: 460216
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 460216

QUESTIONS (continued)

Operator: Enterprise Field Services, LLC PO Box 4324 Houston, TX 77210	OGRID: 241602
	Action Number: 460216
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	434555
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/26/2025
What was the (estimated) number of samples that were to be gathered	10
What was the sampling surface area in square feet	200

Remediation Closure Request	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	1300
What was the total volume (cubic yards) remediated	528
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	1300
What was the total volume (in cubic yards) reclaimed	528
Summarize any additional remediation activities not included by answers (above)	None
<i>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 (in .pdf format) 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.</i>	
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.	
I hereby agree and sign off to the above statement	Name: Thomas Long Title: Sr Field Environmental Scientist Email: tjlong@eprod.com Date: 05/08/2025

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS, Page 7

Action 460216

QUESTIONS (continued)

Operator: Enterprise Field Services, LLC PO Box 4324 Houston, TX 77210	OGRID: 241602
	Action Number: 460216
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Reclamation Report	
<i>Only answer the questions in this group if all reclamation steps have been completed.</i>	
Requesting a reclamation approval with this submission	Yes
What was the total reclamation surface area (in square feet) for this site	1300
What was the total volume of replacement material (in cubic yards) for this site	528
<i>Per Paragraph (1) of Subsection D of 19.15.29.13 NMAC the reclamation must contain a minimum of four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, or other test methods approved by the division. The soil cover must include a top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater.</i>	
Is the soil top layer complete and is it suitable material to establish vegetation	Yes
On what (estimated) date will (or was) the reseedling commence(d)	07/01/2025
Summarize any additional reclamation activities not included by answers (above)	None
<i>The responsible party must attach information demonstrating they have complied with all applicable reclamation requirements and any conditions or directives of the OCD. This demonstration should be in the form of attachments (in .pdf format) including a scaled site map, any proposed reseedling plans or relevant field notes, photographs of reclaimed area, and a narrative of the reclamation activities. Refer to 19.15.29.13 NMAC.</i>	
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.	
I hereby agree and sign off to the above statement	Name: Thomas Long Title: Sr Field Environmental Scientist Email: tjlong@eprod.com Date: 05/08/2025

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QUESTIONS, Page 8

Action 460216

QUESTIONS (continued)

Operator: Enterprise Field Services, LLC PO Box 4324 Houston, TX 77210	OGRID: 241602
	Action Number: 460216
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Revegetation Report	
Only answer the questions in this group if all surface restoration, reclamation and re-vegetation obligations have been satisfied.	
Requesting a restoration complete approval with this submission	No
Per Paragraph (4) of Subsection (D) of 19.15.29.13 NMAC for any major or minor release containing liquids, the responsible party must notify the division when reclamation and re-vegetation are complete.	

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Santa Fe, NM 87505

CONDITIONS

Action 460216

CONDITIONS

Operator: Enterprise Field Services, LLC PO Box 4324 Houston, TX 77210	OGRID: 241602
	Action Number: 460216
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your Reclamation Report for Incident #NAPP2505538759 ATLANTIC A #8B, thank you. This Reclamation Report is approved. Revegetation will need to take place once the pad is abandoned, and the area is considered "land no longer in use."	6/5/2025