

#### **CLOSURE REPORT**

Property:

Sunray G #2C (09/17/24) Unit Letter P, S21 T31N R09W San Juan County, New Mexico

#### New Mexico EMNRD OCD Incident ID No. NAPP2426152565

February 20, 2025 (Updated March 5, 2025)

Ensolum Project No. 05A1226333

Prepared for:

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### **TABLE OF CONTENTS**

1.0	INTRO	DDUCTION	1
		Site Description & Background	
	1.2	Project Objective	1
2.0	CLOS		1
3.0	SOIL	REMEDIATION ACTIVITIES	3
4.0	SOIL	SAMPLING PROGRAM	3
5.0	SOIL	LABORATORY ANALYTICAL METHODS	4
6.0	SOIL	DATA EVALUATION	4
7.0	RECL	AMATION	5
8.0	REVE	GETATION	5
9.0	FINDI	NGS AND RECOMMENDATION	5
10.0	STAN	DARDS OF CARE, LIMITATIONS, AND RELIANCE	5
	10.1	Standard of Care	5
	10.2	Limitations	5
	10.3	Reliance	6

#### LIST OF APPENDICES

### Appendix A – Figures Figure 1: Topographic Map Figure 2: Site Vicinity Map Figure 3: Site Map with Soil Analytical Results

### Appendix B – Siting Figures and Documentation

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



#### 1.1 Site Description & Background

Operator:	Enterprise Field Services, LLC / Enterprise Products Operating LLC (Enterprise)
Site Name:	Sunray G #2C (09/17/24) (Site)
NM EMNRD OCD Incident ID No.	NAPP2426152565
Location:	36.878552° North, 107.779348° West Unit Letter P, Section 21, Township 31 North, Range 09 West San Juan County, New Mexico
Property:	United States Bureau of Land Management (BLM)
Regulatory:	New Mexico (NM) Energy, Minerals and Natural Resources Department (EMNRD) Oil Conservation Division (OCD)

On August 27, 2024, Enterprise personnel identified a potential release of natural gas from the Sunray G #2C pipeline. Enterprise subsequently isolated and locked the pipeline out of service. On August 30, 2024, Enterprise initiated activities to evaluate the pipeline. Due to safety and logistical concerns, these activities were delayed. On September 17, 2024, excavation was resumed. Additionally, 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). One POD was identified in the same Public Land Survey System (PLSS) section as the Site. Numerous PODs were identified in the adjacent PLSS sections. The documentation for the closest POD SJ-00029 does not indicate a depth to water (DTW). The closest PODs with recorded DTWs (SJ-04097 (PODs 4 - 7)) are approximately 0.48 miles south of the Site and 42 feet lower in

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elevation than the Site. The average DTW for these PODs is 49 feet below grade surface (bgs) (**Figure A**, **Appendix B**).

- No cathodic protection wells were identified in the same PLSS section as the Site. Numerous cathodic protection wells (CPWs) were identified in the NM EMNRD OCD imaging database in the adjacent PLSS sections. These CPWs are depicted in Figure B (Appendix B). The three closest CPWs (Riddle D #3, Schwerdtfeger #2A, and Horton #1) are within one mile of the Site. Documentation for the cathodic protection well located near the Riddle D #3 production pad indicates a depth to water of 190' feet bgs. This cathodic protection well is located approximately 0.33 miles northeast of the Site and is approximately 100 feet lower in elevation than the Site. Documentation for the cathodic protection well located near the Schwerdtfeger #2A production pad indicates a depth to water of approximately 170 feet bgs. This cathodic protection well is located approximately 128 feet higher in elevation than the Site. Documentation for the near the Site. Documentation for the cathodic protection pad indicates a depth to water of approximately 128 feet higher in elevation than the Site. Documentation for the cathodic protection pad indicates a depth to water of approximately 128 feet higher in elevation than the Site. Documentation for the cathodic protection well located near the Horton #1 production pad indicates a depth to water of approximately 0.71 miles southwest of the Site and is approximately 190 feet bgs. This cathodic protection well is located approximately 0.71 miles
- The Site is located within 300 feet of a NM EMNRD OCD-defined continuously flowing watercourse or significant watercourse (**Figure C**, **Appendix B**). The Site is within a first-order drainage to a "blue line" ephemeral wash.
- The Site is not located within 200 feet of a lakebed, sinkhole, or playa lake.
- The Site is not located within 300 feet of a permanent residence, school, hospital, institution, or church (Figure D, Appendix B).
- No springs, or private domestic freshwater wells used by less than five households for domestic or stock watering purposes were identified within 500 feet of the Site (Figure E, Appendix B).
- No freshwater wells or springs were identified within 1,000 feet of the Site (Figure E, Appendix B).
- The Site is not located within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to New Mexico Statutes Annotated (NMSA) 1978, Section 3-27-3.
- Based on information identified in the U.S. Fish & Wildlife Service National Wetlands Inventory Wetlands Mapper, the Site is not within 300 feet of a wetland (Figure F, Appendix B). The Site is located within 300 feet of an "Intermittently Flooded" (J) riverine, which is not generally designated as a wetland in arid areas.
- 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 but is within 100 feet of one (**Figure H**, **Appendix B**).

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Based on available information the Site is located within 300 ft of a NM EMRD OCD-defined continuously flowing 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 <sup>1</sup>	Method	Limit							
Chloride	EPA 300.0 or SM4500 CI B	600 mg/kg							
TPH (GRO+DRO+MRO) <sup>2</sup>	EPA SW-846 Method 8015	100 mg/kg							
BTEX <sup>3</sup>	EPA SW-846 Method 8021 or 8260	50 mg/kg							
Benzene	EPA SW-846 Method 8021 or 8260	10 mg/kg							

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

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

<sup>3</sup> – Benzene, Toluene, Ethylbenzene, and Total Xylenes (BTEX).

#### 3.0 SOIL REMEDIATION ACTIVITIES

On August 30, 2024, Enterprise initiated activities to evaluate the pipeline. Due to safety and logistical concerns, these activities were delayed. On September 17, 2024, excavation was resumed. Additionally, Enterprise determined the release was "reportable" due to the potential volume of impacted soil. During the remediation and corrective action activities, Sunland Construction, Inc. provided heavy equipment and labor support, while Ensolum provided environmental consulting support.

The final excavation measured approximately 33 feet long and 16 feet wide at the maximum extents. The average maximum depth of the excavation measured approximately 10 feet bgs below the floor of the arroyo, with a footprint of approximately 528 ft<sup>2</sup>. The lithology encountered during the completion of remediation activities consisted primarily of sandy clay and sandstone.

Approximately 382 cubic yards (yd<sup>3</sup>) of petroleum hydrocarbon-affected soils and 9 barrels (bbls) of water and hydro-excavated soil cuttings 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<sup>®</sup> 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 ten composite soil samples (S-1 through S-10) 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 (ft<sup>2</sup>) or less sample area per guidelines outlined in Section D of 19.15.29.12 NMAC. The excavation bucket and hand tools were utilized to obtain fresh aliquots from each area of the excavation. Regulatory correspondence is provided in **Appendix E**.



#### First Sampling Event

On September 18, 2024, 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 (10') and S-2 (10') were collected from the floor of the excavation. Composite soil samples S-3 (2' to 10'), S-4 (0' to 10'), S-5 (0' to 10'), S-6 (3' to 10'), S-7 (3' to 10'), S-8 (0' to 3'), S-9 (0' to 10'), and S-10 (0' to 2') were collected from the vertical and sloped walls of the excavation.

#### Second Sampling Event

On January 15, 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 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-10 and BF-1) to the applicable NM EMNRD OCD closure criteria. The laboratory analytical results are summarized in **Table 1** (**Appendix F**).

- The laboratory analytical results for the composite soil samples indicate that benzene is not present in soils remaining at the Site 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 composite soil samples S-6, S-8, S-9, and S-10 indicate total BTEX concentrations ranging from 0.094 mg/kg (S-9) to 0.40 mg/kg (S-6), which are less than the NM EMNRD OCD closure criteria of 50 mg/kg. The laboratory analytical results for the other composite soil samples collected 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 results for composite soil samples S-6, S-8, and S-10 indicate total combined TPH GRO/DRO/MRO concentrations ranging from 5.6 mg/kg (S-10) to 13 mg/kg (S-6), which are less than the NM EMNRD OCD closure criteria of 100 mg/kg. The laboratory analytical results for the other composite soil samples collected from soils remaining at the Site 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 indicate that chloride is not present in soils remaining at the Site at concentrations greater than the laboratory PQLs/RLs, which are 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 surface footprint of the excavation is approximately 528 ft<sup>2</sup>. 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 Section 6.0 above, as well as **APPENDIX D** and **APPENDIX F** for further documentation.

#### 8.0 **REVEGETATION**

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

#### 9.0 FINDINGS AND RECOMMENDATION

- Eleven 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 382 yd<sup>3</sup> of petroleum hydrocarbon-affected soils and 9 bbls of water and hydroexcavated soil cuttings 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

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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

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## APPENDIX B

## Siting Figures and Documentation



#### Page 15 of 165







**300 Foot Radius Watercourse** and Drainage Identification Enterprise Field Services, LLC Sunray G #2C (09/17/24) Project Number: 05A1226333 Unit P, S21 T31N R9W, San Juan County, New Mexico 36.878552, -107.779348

FIGURE





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

(quarters are smallest

(R=POD has been POD suffix indicates the POD has been replaced, the POD has been replaced & no longer serves a water right file.) closed)

right file.)	e.) closed)					to largest)									
POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	X	Y	Мар	Well Depth	Depth Water	Water Column
<u>SJ 00016</u>		SJ	SJ	SW	SW	SE	27	31N	09W	253339.0	4083235.0 *	•	118		
<u>SJ 00022</u>		SJ	SJ			NE	20	31N	09W	250557.0	4086032.0 *		202	120	82
<u>SJ 00023</u>		SJ	SJ			SW	17	31N	09W	249764.0	4086871.0 *		550	200	350
<u>SJ 00029</u>		SJ	SJ			SE	21	31N	09W	252139.0	4085175.0 *	•	178		
<u>SJ 00052</u>		SJ	SJ			SW	20	31N	09W	249738.0	4085267.0 *		510		
<u>SJ 04067 POD21</u>		SJ	SJ		SW	SW	27	31N	09W	252867.1	4083231.2		44		
<u>SJ 04067 POD22</u>		SJ	SJ		SW	SW	27	31N	09W	252881.8	4083234.5		61	48	13
<u>SJ 04067 POD23</u>		SJ	SJ	SW	SE	SW	27	31N	09W	252883.6	4083219.3		58	48	10
<u>SJ 04067 POD5</u>		SJ	SJ	SW	SE	SW	27	31N	09W	248410.4	4083342.1		65	50	15
<u>SJ 04097 POD1</u>		SJ	SJ		SE	NE	28	31N	09W	252211.9	4084248.9		65		
<u>SJ 04097 POD2</u>		SJ	SJ		SE	NE	28	31N	09W	252191.5	4084255.0		55		
<u>SJ 04097 POD3</u>		SJ	SJ		SE	NE	28	31N	09W	252188.4	4084221.0		60		
<u>SJ 04097 POD4</u>		SJ	SJ		SE	NE	28	31N	09W	252192.7	4084256.5		60	50	10
<u>SJ 04097 POD5</u>		SJ	SJ		SE	NE	28	31N	09W	252205.8	4084245.7		60	50	10
<u>SJ 04097 POD6</u>		SJ	SJ		SE	NE	28	31N	09W	252189.0	4084244.0	۲	60	50	10
<u>SJ 04097 POD7</u>		SJ	SJ		SE	NE	28	31N	09W	252181.3	4084256.9	•	60	50	10

Average Depth to Water: 74 feet

Minimum Depth: 48 feet

Page 22 of 165

Maximum Depth: 200 feet

Record Count: 16

Basin/County Search: Basin: SJ

PLSS Search: Range: 09W Township: 31N

#### $\ast$ 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.

262 - 30-045-27899 F Page 24 OCD: 3/10/2025 8:59:18 AM 6 30-045-107.96 587 DATA SHEET FOR DEEP GROUND BED CATHODIC. PROTECTION WELLS NORTHWESTERN NEW MEXICO 22074 Meridian O;/ (o. Location: Unit A Sec. 15 Twp 3/ Rng 9 Operator 25.32. Name of Well/Wells or Pipeline Serviced Elevation 6576 Completion Date 6-29-91 Total Depth 440 Land Type Casing Strings, Sizes, Types & Depths If Casing Strings are cemented, show amounts & types used UesIf Cement or Bentonite Plugs have been placed, show depths & amounts used Nonp Depths & thickness of water zones with description Rresh, Clear, Salty, Sulphur, Etc. 140 - Fresh FEB2 41992 OIL CON. DIV. Depths gas encountered: None DIST Ground bed depth with type & amount of coke breeze used:  $440^{4}$ -Gr. Bed Loresia- SW 115' to 44.0' (65 Bai Depths anodes placed: #/-425 - 380 #4-370 #5-30 F/D-275 Depths vent pipes placed: 440 to SurFact Vent pipe perforations: 140 - 440 drilling of hole Remarks: No age encountered Water Sample Taken

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

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DIGTRIBUTION permanent CPB FILE original

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- Region Corrosion Opecialist

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### #5R 30-045-28941

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

Operator Meridian Oil INC. Location: Unit N Sec. 15 Twp 31 Rng 09
Name of Well/Wells.or Pipeline Serviced
SAN JUAN 32-9 UNIT#5R
ElevationCompletion Date 10/25/93 Total Depth 474 Land Type F
Casing Strings, Sizes, Types & Depths 10/23 Set 59 Of 8" PVC CASING.
NO GAS WATER, OF Boulders Were Encountered. During CASING.
If Casing Strings are cemented, show amounts & types used <u>CemenTed</u>
WITH 14 SACKS.
If Cement or Bentonite Plugs have been placed, show depths & amounts used NONE
Depths & thickness of water zones with description of water: Fresh, Clear,
Salty, Sulphur, Etc. HIT Fresh WATER AT 85, And More WATER
AT 262. A WATER SAMPLE WAS TAKEN.
Depths gas encountered: None
Ground bed depth with type 6 amount of coke breeze used: $474^{\prime}$ DepTH Used 136 SACK OF Asbury 218R (6800 <sup>#</sup> )
Depths anodes placed: 460, 452, 444, 436, 428, 426, 412, 280, 232, 224, 216, 208, 201, 193, +186
Depths vent pipes placed: SuffAce To 474.
Depths vent pipes placed: <u>SuffAce To 474</u> . Vent pipe perforations: <u>Bottom 350</u> .
Remarks:
OIL CON. DIV.
, DIST. 3

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

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

30-045-10674
DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS NORTHWESTERN NEW MEXICO (Submit 3 copies to OCD Aztec Office)
Operator TEXACO EAP Inc. Location: Unit N Sec. 16 Twp Rng 94 Name of Well/Wells or Pipeline Serviced Wayne Moore #1
ElevationCompletion Date $\frac{6}{1/79}$ Total Depth $\frac{400'}{1}$ Land Type*Casing, Sizes, Types & Depths
If Casing is cemented, show amounts & types used
If Cement or Bentonite Plugs have been placed, show depths & amounts used
Depths & thickness of water zones with description of water when possible: Fresh, Clear, Salty, Sulphur, Etc
Depths gas encountered:
Type & amount of coke breeze used:
Depths anodes placed:
Depths vent pipes placed:
Vent pipe perforations:
Remarks:

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

म्राटः स्वयः स्वरः	
	30-045-23572
DATA SHEET FOR DEEP GROUND BED NORTHWESTERN N (Submit 3 copies to O	EW MEXICO
Operator <u>MERIDIAN OIL</u> Log	cation: Unit_NW_Sec. <u>16_Twp_31</u> Rng_9
Name of Well/Wells or Pipeline Serviced	ALLEN COM #1A
	срѕ 155
Elevation 6501'Completion Date 8/27/80 To	otal Depth <u>360'</u> Land Type* <u>N/A</u>
Casing, Sizes, Types & Depths	N/A
If Casing is cemented, show amounts & ty	ypes used
	N/A
If Cement or Bentonite Plugs have been p	placed, show depths & amounts used
Depths & thickness of water zones with o	description of water when possible:
Fresh, Clear, Salty, Sulphur, Etc.	80' SAMPLE TAKEN
Depths gas encountered: N/A	
Type & amount of coke breeze used:	~ N/A
Depths anodes placed: 305', 285', 275', 255'	, 220', 190', 165'; 150', 140', 125'
Depths vent pipes placed: 360'	DECEIVEM
Vent pipe perforations: 280'	MAY31 1991
Remarks: (gb #1 )	OIL CON. DIV.I
	, DIST. 3
	NORTHWESTERN N (Submit 3 copies to O Operator <u>MERIDIAN OIL</u> Lo Name of Well/Wells or Pipeline Serviced Elevation <u>6501</u> 'Completion Date <u>8/27/80</u> T Casing, Sizes, Types & Depths If Casing is cemented, show amounts & t If Cement or Bentonite Plugs have been p <u>N/A</u> Depths & thickness of water zones with o Fresh, Clear, Salty, Sulphur, Etc. Depths gas encountered: <u>N/A</u> Type & amount of coke breeze used: Depths anodes placed: <u>305', 285', 275', 255'</u> Depths vent pipes placed: <u>360'</u> Vent pipe perforations: <u>280'</u>

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

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

8 Are Page 30 of 165 Received by OCD: 3/10/2025 8:59:18 AM 3 thes OT El Paso Natural Gas Company WELL CASING Form 7-238 (Rev. 11-71) CATHODIC PROTECTION CONSTRUCTION REPORT DAILY LOG 8-27-80 Completion Date\_ Drilling Log (Attach Hereto). 2" x 60" DURIRON Well Nam CPS No. Location Work Order No. Type & Siz WEST = .85 ATIC 5761 - 21 Total Drilling Rig Time ost Circulation Mat<sup>4</sup> No. Sacks Mud Used Total Coke Used Used 360 350 50 \*3 275 \* 4 255 \* 5 220 \* 6 190 ×7 165 \* 8 150 # 2285 1=9140 ふへく 1 10/2 # 3 4.3 # 4 3.0 # 5 3.6 # 6 3.3 # 7 3.3 # 8 4.2 1=9 7.4 = 10 7 Anode Depth # 11 \* 18 # 12 = 13 = 14 \$ 15 # 16 2 17 # 19 !÷ 20 Anode Output (Amps) # 11 # 12 |≈ 15 # 16 :: 17 18 1 = 19 : 20 # 13 Total Circuit Resistance No. 8 C.P. Cable Used No. 2 C.P. Cable Used .67 18.0 Ohms 12.2 Amps Volts (NION = OK WET 80'-85' SET OUER NIGHT Remarks: BLOW SAMPLE DRILLED TO 360' LOGED TO 350 280' I" PE RFORATED MORE WATER 315. 325' VENT PIPE 80' 1" PLAIN. All Construction Completed (Signature) GROUND BED LAYOUT SKETCH STUB POLE 40/16 RECT DITCH + 1 CABLE = 225 XTRA CABLE = 195 HOLE = - 150 N 60' DISTRIBUTION: WHITE - Division Corrosion Office GND BED YELLOW - Area Corrosion Office RECT PINK - Originator File ~~·· 1.0501 ~ ~ ~ ~

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#### El Paso Natural Gas Company ENGINEERING CALCULATION

Page 31 of 165 Sheet.\_\_\_\_\_\_of\_\_\_\_

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ENGINEERING CALCULATION Date:
WION= JK 1553W #57613-21" AT STATIC = . 85 W ALLEN Com #1A NW16-31-9
NET 80 TO 85' SET OVER MICHT BLOW SAMPLE, DRILLED TO 360' LOGED TO 350' MORE WATER 315 TO 325 2801" PERFORATED VENT 80' 1" PLAIN
$\begin{array}{cccccccccccccccccccccccccccccccccccc$
$\begin{array}{c} 1.7 \\ 1.6 \\ 1.7 \\ 1.4 \\ 1.7 \\ 1.4 \\ 1.7 \\ 1.8 \\ 1.8 \\ 1.8 \\ 1.8 \\ 1.8 \\ 1.8 \\ 1.8 \\ 1.8 \\ 1.8 \\ 1.2 \\ 1.8 \\ 1.2 \\ 1.2 \\ 1.2 \\ 1.2 \\ 1.2 \\ 1.2 \\ 1.2 \\ 1.2 \\ 1.2 \\ 1.2 \\ 200 \\ 1.9 \\ 1.9 \\ 1.0 \\ 1.12 \\ 1.2 $

	2025 8:59:18	MORNING	WELL NO.		ONTRACTOR		DAYLIGHT	RIG NO.				EV IGL	S-ZIDATE Hugus	nci	<u>`</u> _	
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#### EL PASO NATURAL GAS COMPANY SAN JUAN DIVISION FARMINGTON, NEW MEXICO PRODUCTION DEPARTMENT WATER ANALYSIS

	Anal	ysis No	• <u>1-1005</u>	6		Date		12-2-80						
	Oper	ator <u>E</u> ]	Paso 1	latural Ga	<u>s_</u>	Well N	lame	Allen Com	1 #1A					
	Loca	tionN	1 16-31-	-9		County San Juan State New Mexico								
	Fiel	d <u>Kı</u>	itz			Formation								
	Samp	led Fro	m <u>CPS</u>	<u>1553-W. @ {</u>	30' <del>-</del>	85'	•							
	Date	Sample	d <u>8-27</u>	-80		Ву		B. T.	·······	<del>_</del>				
	Tbg.						s	urface Cs	sg. Pres					
	Sodi	. P um	pm 48	ep 2.1	₽ L```, `	Chlori	lde	ррш 16		epm 0.5				
	Calc	ium	85	4.2	2	Bicart	oonate_	224		3.7				
	Magn	esium	16	1.3	3	Sulfat	.e	168		3.5				
	Iron <u>No Test</u> H <sub>2</sub> S <u>No Test</u> cc: C.B. O'Nan R.A. Ullrich					Carbon	nate	0		0	·			
						Hydrox	kide	0	3	0	•			
						Total Solids Dissolved 502								
		E.R. P	aulek			pH7.5								
		A.M. S				Sp. Gr. 0.9934 At 60								
		D.C. A	hropshi .dams	re		Resist	ivity <sub>9</sub>	1333	ohm-cm	at	77 ° <u>F</u>			
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. 30-045-23978
DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS NORTHWESTERN NEW MEXICO (Submit 3 copies to OCD Aztec Office)
Operator TEXACO EAP Inc. Location: Unit P Sec. 16 Twp Rng 94
Name of Well/Wells or Pipeline Serviced Wayne Moore Com #1A
ElevationCompletion Date <u>3/14/80</u> Total Depth <u>400'</u> Land Type* Casing, Sizes, Types & Depths
If Casing is cemented, show amounts & types used
If Cement or Bentonite Plugs have been placed, show depths & amounts used
Depths & thickness of water zones with description of water when possible: Fresh, Clear, Salty, Sulphur, Etc
Depths gas encountered:
Type & amount of coke breeze used: Depths anodes placed:
Depths vent pipes placed:
Vent pipe perforations:
Remarks:

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

eived by OCD: 3/10/2025 8:59:18 AM 8942.	Page 35 of 16
10- 20015-10726 Alugad 3036	••
265-30-045-27993 Plugged.	
DATA SHEET FOR DEEP GROUND BED CATHODIC. PROTEC NORTHWESTERN NEW MEXICO	CTION WELLS
Operator Meridian Oil INC. Location: Unit K St	ec. <u>17 Twp31 Rng09</u>
Name of Well/Wells.or Pipeline Serviced	
5.J. 32-9 UNITS #18R, #18, +#265	· · ·
Elevation 6491 Completion Date 10/22/93 Total Depth 494	Land Type
Casing Strings, Sizes, Types & Depths 10/20 Set 59 0	
NO GAS, WATER, OF Boulders Were ENCOUNTEREd. D.	
If Casing Strings are cemented, show amounts & types us	
WITH 21 SACKS	
If Cement or Bentonite Plugs have been placed, show dep Nowe	oths & amounts used
10010 C	··
Depths & thickness of water zones with description of a	water: Fresh, Clear,
Depths & thickness of water zones with description of v	35, And More
Depths & thickness of water zones with description of water, Sulphur, Etc. <u>Hit Some Fresh WATer ATS</u>	35, And More
Depths & thickness of water zones with description of s Salty, Sulphur, Etc. <u>HIT Some Fresh WATER ATS</u> WATER AT 380. A WATER SAMPLE WAS TAKE Depths gas encountered: <u>NONE</u>	35, And Mote
Depths & thickness of water zones with description of a Salty, Sulphur, Etc. <u>HIT Some Fresh WATER ATS</u> WATER AT 380. A WATER SAMple WAS TAKE	35, And Mote N. d: 494 DepTH.
Depths & thickness of water zones with description of a Salty, Sulphur, Etc. <u>HiT Some Fresh WATER AT Some Fresh WATER AT 380. A WATER SAmple WAS TAKE</u> Depths gas encountered: <u>None</u> Ground bed depth with type & amount of coke breeze use <u>USED 1444 SACKS OF Asbury 218R (7200<sup>#</sup>)</u> Depths anodes placed: <u>463,455,448,441,434,427,420,413,406,266,259</u>	35, And Mote N. d: <u>494 Depth.</u>
Depths & thickness of water zones with description of a Salty, Sulphur, Etc. <u>HiT Some Fresh WATER AT Some Fresh WATER AT 380. A WATER SAmple WAS TAKE</u> Depths gas encountered: <u>None</u> Ground bed depth with type & amount of coke breeze use <u>USED 1444 SACKS OF Asbury 218R (7200<sup>#</sup>)</u> Depths anodes placed: <u>463,455,448,441,434,427,420,413,406,266,259</u>	35, And Mote N. d: <u>494 Depth.</u>
Depths & thickness of water zones with description of a Salty, Sulphur, Etc. <u>Hit Some Fresh Water At Some Water At 380. A Water Sample Was Take</u> Depths gas encountered: <u>None</u> Ground bed depth with type & amount of coke breeze use <u>Used 144</u> <u>SACKS OF Asbury 218R (7200<sup>#</sup>)</u> Depths anodes placed: <u>463,455,448,441,434,427,420,413,406,266,259</u>	35, And More N. d: <u>494 DepTH.</u>
Depths & thickness of water zones with description of a Salty, Sulphur, Etc. <u>HiT Some Fresh WATER AT Some Fresh WATER AT 380.</u> WATER AT 380. A WATER SAmple WAS TAKE Depths gas encountered: <u>None</u> Ground bed depth with type & amount of coke breeze use <u>USED 1444</u> SACKS OF ASbury 218R (7200 <sup>#</sup> ) Depths anodes placed: <u>463</u> ,455,448,441,434,427,420,413,406,366,259 Depths vent pipes placed: <u>Surface To H94</u> .	35, And Mote N. d: <u>494 DepTH.</u> (195, 188, 171, + 164.

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

ceived by OCD: 3/10/2025 8:59:18 AM-28988	Page 36 of 165
19=30-045-10769 387	1
264 - 30-045-27992 DATA SHEET FOR DEEP GROUND BED CATHODIC. PROTECT NORTHWESTERN NEW MEXICO	TION WELLS
Operator Meridian Oil INC Location: Unit Se	ec. <u>/7 Twp 3/ Rng 09</u>
Name of Well/Wells.or Pipeline Serviced	·····
SAN JUAN 32-9 UNITS#114, #19, AND #264	·
Elevation Completion Date 11/2/93 Total Depth 456	Land Type F
Casing Strings, Sizes, Types & Depths 10/26 Set 60 01	8"PUC CASING
NO GAS, WATER OF Boulders Were ENCOUNTERED. D	
If Casing Strings are cemented, show amounts & types us WITH 14 SACKS_	
If Cement or Bentonite Plugs have been placed, show dep NONE	oths & amounts used
Depths & thickness of water zones with description of v	vater: Fresh, Clear,
Salty, Sulphur, Etc. HIT A DAMP ZONE AT 65, AN	d Fresh WATER
AT 125, A WATEL SAMPLE WAS TAKEN.	·
Depths gas encountered: NONE	
Ground bed depth with type & amount of coke breeze use	a: 456 DepTH.
Used 130 SACKS OF ASbury 218R (6500 #)	
Depths anodes placed: 399 392,361,354, 347, 290, 283, 276, 269, 184, 177	153, 146, 139, +132.
	HE BANF T
Vent pipe perforations: BOTTOM 340	
Remarks:	JAN 3 1/ 1994
	DIST. 2

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Land Type may be shown: F-Federal; I-Indian; S-State; P-Fee. If Federal or Indian, add Lease Number.
Page 37 of 165

1= 30-045-10471 1R= 30-045-27494 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.21 Twp31 Rng9 Name of Well/Wells or Pipeline Serviced \_\_\_\_\_\_ SUNRAY G #1, #1R\_\_\_\_\_\_ cps 391w Elevation6187' Completion Date11/9/71 Total Depth391' 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: EGE Fresh, Clear, Salty, Sulphur, Etc. 90' MAY 3 1 1991 Depths gas encountered: N/A OIL CON. DIV DIST. 3 Type & amount of coke breeze used: <u>8100 lbs.</u> Depths anodes placed: 325', 310', 300', 285', 275', 255', 245', 235', 225', 215' Depths vent pipes placed: N/A\_\_\_\_\_ Vent pipe perforations: 225' - 390' Remarks: <u>gb. #2</u>

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

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

Received by OCD: 3/10/2025 8:59:18 AM

El Paso Natural Gas Compa Form 7-238 (Rev. 1-69)						$, \cap$	Y	
		CATHODIC	C PROTECTION DAIL	N CONSTRUCT	IION REPOR	T ANA	, e	
					4	1 M		
						Smpletion Dat		s 10-
Drilling Log (Attach Her	reto).			-	C	ompietion Dat	e_/////.	, 177
Well Name		L	location			CPS No.		
SUNRAY	, 16		5-0 21	- 31 - 4			1.2	
Type & Size Bit Used						Work Order I		_
Anode Hole Depth	Total Drilling	Rig Time	Total Lbs. Coke I	Used Lost Circ	culation Mat'l Us		<u>52482-</u> Aud Used	- 30-1
Anode Hole Depth <b>39</b> /	2		Total Lbs. Coke (					
Anode Depth								1
# 1 325 # 2 3/. Anode Output (Amps) 2,7	0 #3_ <b>3~</b>	= # 4 Z8	5 # 5275	= 6 255	= 7245	- 8 235	×9225	# 1021
Anode Output (Amps)	2.5 2.4-2.	د - سحیاتی ان رو بر سا	26 3.1.2.	01 272-2.1	1 5.3- 5.1 1473 -	1 2.6-2.5	127-22	• گورند آ را ۱۵ برا
# 1 <b>3,8</b> # 2 <b>4</b> - Anode Depth	1 1 3.6	<u> </u>	# 5 3.4	<u>- ~ ~ ,7</u>	1.2.7_	<u>+ 4.3</u>	- 7.0	r 104,
z 11 /# 12	# 13	# 14	# 15	# 16	# 17	¦# 18	# 19	# 20
Anode Output (Amps)								
≠ 11 /# 12	# 13	z 14	# 15	# 16	¦≈ 17	# 18	# 19	# 20
Total Circuit Resistance Volts 12	Amps 15.	J Ohms	,80	No. 8 C.P Ca	ble Used		No. 2 C.P. Ca	ble Used
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Received by OCD: 3/10/2025 8:59:18 AM Form 22-2 (Rev. 1-61)

EL PASO NATURAL GAS COMPANY

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SIZE     SINGLES     SIZE     SINGLES     SIZE       TYPE     DOWN ON KELLY     TYPE     DOWN ON KELLY     TYPE			C.P.	5. 3 9/ 1	N			r		D	RILLING DEF	ARTMENT				\$	I	DAILY	ORILLING RE	PORT	
Dirity         Hallbard         Total Mai, In Cirew         Table         Total Mai, In Cirew         Data Mai, In Cirew         Data Mai, In Cirew         Data Mai, In Cirew         Data Mai, In Cirew         Table         Table </td <td>LEASE</td> <td>Sun</td> <td>ray</td> <td></td> <td>WELL NO. ,</td> <td>¥-1</td> <td>CON</td> <td>TRACTOR</td> <td>× Mo</td> <td>non</td> <td>,</td> <td>RI</td> <td>IG NO.</td> <td></td> <td>REF</td> <td>ORT NO</td> <td></td> <td>DA</td> <td>ATE 11- 9</td> <td></td> <td>197/</td>	LEASE	Sun	ray		WELL NO. ,	¥-1	CON	TRACTOR	× Mo	non	,	RI	IG NO.		REF	ORT NO		DA	ATE 11- 9		197/
PROM         TO         PORMATION         WT.BIT         R.P.M.         FROM         TO         PORMATION         WT.BIT         R.P.M.           0         10         durg aand		1 11		MURNING		~~	<u> </u>			DA	YLIGHI		~								
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SIGNED: Toolpuster \_ Jac Manan Company Supervisor

**Released to Imaging: 6/9/2025 2:24:02 PM** 

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Received by OCD: 3/10/2025 8:59:18 AM

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

Operator MERIDIAN OIL Locati	on: Unit_NE_Sec. <u>21_Twp31_Rng9</u>
Name of Well/Wells or Pipeline Serviced <u>St</u>	JNRAY <u>G #2</u>
	cps 434w
Elevation 6502' Completion Date 7/8/63 Total	Depth <u>140'</u> Land Type* <u>N/A</u>
Casing, Sizes, Types & DepthsN/A	
	······································
If Casing is cemented, show amounts & types	used <u>N/A</u>
If Cement or Bentonite Plugs have been plac	ed, show depths & amounts used
<u>N/A</u>	<u></u>
Depths & thickness of water zones with desc	ription of water when possible:
Fresh, Clear, Salty, Sulphur, Etc. <u>N/A</u>	
Depths gas encountered: N/A	DECEIVEN
Type & amount of coke breeze used: 1000 lbs	s. MAY 31 1991
Depths anodes placed: 100', 94', 88', 82', 76',	40', 34 OIL CON. DP
Depths vent pipes placed: N/A	DIST. 3
Vent pipe perforations: N/A	
Remarks: <u>gb #1</u>	

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.

ceived by OCD: 3/10/2025 8:59:18 AM WELL CASING CATHODIC PROTECTION CONSTRUCTION REPORT DAILY LOG DATE 7-8-63 \_ CPS NO. 434 W WELL NAME JUN roy No. 2.G Jec. 21 TJINR9K LOCATION NE WORK ORDER NUMBER 184- 40542-50-02 ANODE HOLE DEPTH \_/40 TOTAL DRILLING RIG TIME \_4.H.r.s. DRILLING TIME FOR RECTIFIER POLE HOLE TYPE AND SIZE BIT USED 6/4 Rock NUMBER SACKS MUD USED 2 NUMBER SACKS LOST CIRCULATION MAT'L USED / 6 A ANODE DEPTHS #1 100, #2 94, #3 88, #4 82 5 76 TOTAL LBS. COKE USED /000 ANODE OUTPUTS 12.0 VOLTS, #1 1.4 , #2 1.7 , #3 2.2 TOTAL CIRCUIT RESISTANCE: VOLTS 11, 4 AMPERES 510 OHMS NUMBER FEET SURFACE CABLE CONDUCT 399' DRILLING LOG (ATTACH HERETO). FORMATION LOG (ATTACH HERETO). C/s .768 600'S REMARKS : 40 V 12 A Ser. #62C6387 (700 g ALL CONSTRUCTION COMPLETED Es. one SIGNATURE GROUND BED LAYOUT SKETCH 95 82 GJBd. Rect. K10 !! ORIGINAL & 1 COPY ALL REPORTS 2. .

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250 = 30	59:18 AM-22754 5-045-26915	3547	, ,		
Dž		P GROUND BED RTHWESTERN NI COPIES to O(	EW MEXICO		
Operator	MERIDIAN OIL INC	Loc	cation: Unit	P_Sec.21_Twp3	1_Rr
Name of We	ll/Wells or Pipeli	ine Serviced	SUNRAY G	#2A, #250	
				сря 2	20 <u>90</u>
Elevatio <u>817</u>	81_Completion Dat	te <u>2/3/89</u> To	otal Depth_	360' Land Type	* <u>N/</u>
Casing, Siz	zes, Types & Depth	1s	N/A		
If Casing i	s comented show	amounte & ta	hes used	N/A	
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If any of the above data is unavailable, please indicate so. Copies of all logs, including Drillers Log, Water Analyses & Well Bore Schematics should be submitted when available. Unplugged abandoned wells are to be included

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

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/FM-67-0238 (Rev. 10-82)		CATHODIC PR	ROIEC			ION REPOR	<u>ת / א</u>	eperter 2-	gist.
• • ••				DAILY	LOG		omplețion D	g 2-	2° 0.
Drilling Log (Attach He	reso)	(br	~			C	ompletion D	hate	5-0
CPS /	Well Name, Line or Plant:	#21		Work Order 4		Static:		Ins. Union Check	
	SUNRAY	G" # 250		310	10	600'	W= ,780	7 8 000	В
2090-2	JUNING						<u></u>	- <u>-</u>	
Location: P21-31-9	Anode Size: 2"×6			ron		ize Bit: 3/4 '	'n	,	
Depth Drilled (	Depth Logged	Drilling Rig Time	<u> </u>		bs. Goke Used	Lost Circulation	n Mat'l Used	No. Sacks Mud 1	beel
360 Anode Depth	342		<u>.</u>		<u> </u>	. I	1	<u>_</u>	
	305 := 3295	5 # 4 285	# 52	.75	# 6 265	*7255	# 8 220'	×9 195	# 10
Anode Output (Amps) # 1 3. () # 2	2,9 #3 3.1	# 4 3.4	1 5 3	3.3	#633	# 7 3.3	1=8 2.6	1, 3,4	# 10
Anode Depth			1	+		+ <u></u>			
# 11 # 12 Anode Output (Amps)	# 13	# 14	# 15		# 16	# 17	# 18	# 19	# 20
# 11 # 12	# 13	# 14	# 15		# 16	# 17	# 18	# 19	# 20
Total Circuit Resista Volts 11.98	Amps 16.9	i Ohms ⊿	.70		No. 8 C.P. Cab	le Used		No. 2 C.P. C	able () Sec
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<u>Pec</u> for <u>K</u> CAN ( Rectifier Size: Addn'l Depth Depth Credit: Ditch & 1 Cable: 25'Meter Pole: 20' Meter Pole: 20' Meter Pole: 20' Meter Pole: 10' Stub Pole: Junction Box: 4074 669 -553 153 158	ATED BOT $2 \cos Ac$ $0 \cos Ac$ $0 \sqrt{16}$ $158^{\circ} 3.5^{\circ}$ $640^{\circ} .5^{\circ}$ $640^{\circ} .5^{\circ}$ $600^{\circ} .5^{\circ}$ $700^{\circ} .5^{\circ}$ $700^$	FROM A	136	5 7-ω D BED L	AYOUT SKET	Эт- сн 2090-ш - 11 11	All Constru C (St A20, 1 L L	sction Comple	2_

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		Drill N	0.3	
			DRILLER'S WELL LOG	
	S. P. No.	SUNKO	6 # 250 Dote 2 - 3 - 89	
	Client_	lerid/A	N Q'/ Co. Prospect	
	County	SAN J	TUAN State New Mex.	
	If hole is	a redrill or	if moved from original staked position show distance.	
	and direc	tion moved	1:	
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		Dr	iller Connie Brown	
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CD: 3/10/2025 8:59:18 AM   A - 30-045-27 251 - 30-045-2	6954	<i>५</i> १९२	
DATA SHEET F	OR DEEP GROUND B NORTHWESTERN bmit 3 copies to	NEW MEXICO	
Operator MERIDIAN OIL		Location: Unit <sup>1</sup>	W_Sec. <sup>21</sup> Twp_ <sup>31</sup> Rn
Name of Well/Wells or	Pipeline Servic	edSUNRAY G #1	IA, #251
			cps 1366
Elevation_6473'Complet	ion Date <u>4/19/79</u>	_Total Depth 300	Land Type*_N
Casing, Sizes, Types	& Depths	N/A	
If Casing is cemented	, show amounts &	types used	N:/A
If Casing is cemented If Cement or Bentonit			
If Cement or Bentonit	e Plugs have bee	n placed, show	depths & amounts
If Cement or Bentonit N/A	e Plugs have bee water zones wit	n placed, show h description o	depths & amounts f water when poss
If Cement or Bentonit N/A Depths & thickness of	e Plugs have bee water zones wit	n placed, show h description o	depths & amounts f water when poss
If Cement or Bentonit N/A Depths & thickness of	e Plugs have bee water zones wit Sulphur, Etc	n placed, show h description o	depths & amounts f water when poss
If Cement or Bentonit N/A Depths & thickness of Fresh, Clear, Salty,	e Plugs have bee water zones wit Sulphur, Etc d:N/A	n placed, show h description o 50' SAMPLE TAK	depths & amounts f water when poss
If Cement or Bentonit N/A Depths & thickness of Fresh, Clear, Salty, Depths gas encountere	e Plugs have bee water zones wit Sulphur, Etc d:N/A breeze used:	n placed, show h description o 50' SAMPLE TAK N/A	depths & amounts f water when poss EN
If Cement or Bentonit N/A Depths & thickness of Fresh, Clear, Salty, Depths gas encountere Type & amount of coke	e Plugs have bee water zones wit Sulphur, Etc d:N/A breeze used: 280', 270', 260', 2	n placed, show h description o 50' SAMPLE TAK N/A 50', 240', 230', 2	depths & amounts f water when poss EN
If Cement or Bentonit N/A Depths & thickness of Fresh, Clear, Salty, Depths gas encountere Type & amount of coke Depths anodes placed:	e Plugs have bee water zones wit Sulphur, Etc d:N/A breeze used: 280', 270', 260', 2 ced:300'	n placed, show h description o 50' SAMPLE TAK N/A 50', 240', 230', 2	depths & amounts f water when poss EN 20', 210', 170', 160 ECEIVER
If Cement or Bentonit N/A Depths & thickness of Fresh, Clear, Salty, Depths gas encountere Type & amount of coke Depths anodes placed: Depths vent pipes pla	e Plugs have bee water zones wit Sulphur, Etc d:N/A breeze used: 280', 270', 260', 2 ced:300'	n placed, show h description o 50' SAMPLE TAK N/A 50', 240', 230', 2	depths & amounts f water when poss EN 20', 210', 170', 160

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

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Page 48 of 165

Received	IN OCD:	3/10/2025	8:59:18	AM
• El Pa	sð Natural G	Gas Company	,	
Form	7-238 (Rev	(. 11-71)		

WELL CASING CATHODIC PROTECTION CONSTRUCTION REPORT DAILY LOG

Well Name SUN RA	y G H	I- A		ation IW 21-	?act #1 31-9		CPS No.	6 w	
Type & Size É	Bit Used 63	4 4					Work Order	No. 7 <i>309-</i> 2	/
Anode Hole D <b>300 -</b>	<sup>epth</sup>	Total Drilling Ri	g Time To	otal Lbs. Coke U	Ised Lost Cir	culation Mat <sup>4</sup> I U.	sed No. Sacks I	Mud Used	
Anode Depth ± 1 <b>280</b>	≠ 2 <b>270</b>	# 3 2 60	# 4 2 5 0	= 5 240	= 6 <b>230</b>	# 7 <b>220</b>	4 8 <b>210</b>	× 9 170	= 10 <b>/ 6 C</b>
Anode Output # 1 <b>3.3</b>	(Åmps) # 2 <b>3.7</b>	# 3 <b>2.4</b>	= 4 <b>2.5</b>	# 5 1.8	± 6 <b>2.0</b>	a 7 3.3	× 8 2.9	#9 <b>3.0</b>	= 10 <b>3.8</b>
Anode Depth ‡11	# 12	# 13	¦≠ 14	<b>⊭</b> 15	¦# 16	[s 17	¦ <i>‡</i> 18	¦ # 19	s 20
Anode Output	(Amps)	# 13	- 	  # 15	     # 16			  # 19	i  ≈ 20
Total Circuit Volts <b>//.9</b>	•	ps 11.2	Ohms		No. 8 C.P. Ca	ble Used	- <b>L</b>	No. 2 C.P. Co	tble Used

Remarks: DRiller SAid WAter @ 50'. DRilled to 300' with 5 3/8" bit. Logged Hole. DRilled to 300' with 6314" bit. INSTALLED 10-11/2" DURIRON AND des. Installe 300'051" PVC VENT Pipe. PERSORATED 260'051" PVC VENT Pipe. Static 600' NE: 0.78. Slurryed SACKS of Coke

ExtRA CAble: 159' 10- 11/2" DURIRON ANOdes All Construction Completed Ditch & I Cable = 399 1-Stub Pole 40 VIGA Rectifier (Signature) JUNCTION GROUND BED LAYOUT SKETCH DISTRIBUTION: WHITE - Division Corrosion Office

JU73

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YELLOW - Area Corrosion Office

- Originator File

FINK

#### EL PASO NATURAL GAS COMPANY

#### DRILLING DEPARTMENT

LEASE	1366		WELL NO	WRAY C		TRACTOR	COR		N CONTROL	RIG NO.	W-2	, REPO	ORT NO		DATEAPRIL	19	19 <b>79</b>		
			ORNING					DA	YLIGHT			<b> </b>		E	VENING				
			Total Men In C			Driller				i In Crew		Driller			Total Men In (				
FROM		то	FORMATION	WT-BIT	R.P.M.	FROM		то	FORMATION	WT- B1	T R.P.M.	FROM		то	FORMATION	WT-BIT	R.P.M.		
	- 6		SANDSTONE													_			
60		• • • • • •	SHALE	1							_					_			
95			SANDSTONE									<u> </u>	-						
150	- 3	00	SHALE-SAND																
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IT NO.			NO. DC SIZE	LEN	3	BIT NO.			NO. DC SI	NO. DC SIZE LENG					NO. DCSIZE_	LE	NG		
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YPE			DOWN ON KELLY			TYPE			DOWN ON KELL	Y		TYPE			DOWN ON KELLY	DOWN ON KELLY			
		T	TOTAL DEPTH			MAKE TOTAL DEPTH						MAKE			TOTAL DEPTH				
Time	WI.	Vis.	MUD, ADDITIVES USED	AND RECEN	VED	Time	RECORD	Vis.	MUD, ADDITIVES US	D AND RECI	Time Wt. Vis.				MUD, ADDITIVES USED AND RECEIVED				
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					SIGNE	ED: Toolpush	er	$\underline{\neg}$	NISON			Company Superv	isor						

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#### El Paso Natural Gas Company ENGINEERING CALCULATION

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File:

	SUNRAY G # 1-A	13.66n	NW2/-		57309-21
MW gais/mol 16.04 C1 6.4 30.07 C2 10.12	Static 600' NE = 0.78 10-11/2 Anodes Duriron Stab Pole 40-16 Restigion	ExtRA CAbles Ditchs / cables	159'	Lwater @ 50'. water PRilled to 300' with Logged Hole. DRiver 63/4 3:t. I-stalled 300 of 1"Pr	5-5% 6,7 1 +9 300 with
44.10         C3         10.42           58.12         iC4         12.38           58.12         nC4         11.93           72.15         iC5         13.85	6.0.2.1 2.1 70 2.1	40 1,6 2.0 50 2.1	Ð	Perforated 260'1+1 Sluraged SACK	Puc Ver- Pipe
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	2.1 40 ).6	60 2.1 60 2.1	a Disan dalam kana dalam	time 10 HRS	್ ನ್ಯಾಕ್ಟ್ ಕ್ರಿಕಾರ್ ವರ್ಷ ( ) ಕ್ರೀ ( ) - ಆಗುಗಿಗೆ ಡೆ. ಕ್ರಡಕ್ರಿ ವಿಕಾರ್ಣ
114.23         C8         19.39           28.05         C2 <sup>±</sup> 9.64           42.08         C3 <sup>±</sup> 9.67	70 1. 1 j. 1	2. 7 70 3. 0 2. 4	<u>9</u> .		
	100 1.1 1.2 10 1.3	₿ 80 7.1 1.5 70		La tamentan tersperior second van vi versperioret vis et fostande	1995 A. A. Marine C. Standard M. A. Martinetta
	1.3 20 1.4	2.93 to. 301			
	30 1.5			84 (1920) 1921 1922 1920 - 1937 1920 1920 1920 1920 1920 1920 1920 1920	na stational in grown fan a staf riggertaan
	40 1.5 1.5 50 1.5				
MW         gais/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	4.5 60 2.4 (10) 2.7 70 2.4 (3) 1.7			2 270 3 260	2.0 3.3 2.9 3.7 1.7 2.4 1.8 2.5 1.3 1.8
2.02 H2 3.38	<u>\$0</u> 1.3 1.2 90 1.2 1.0 200 1.0			© 230 G 220 B 210 G 170	1.5     2.0       2.4     3.3       2.0     2.9       2.2     3.0
	1.2 10 2.4 @ 2.9			(D) 160	2.1 3.8
	20 2.9 (9) 2.2 30 1.6 (6)			V01+5 11.8 Armps 11.2 Ohms 1.05	na 2 a a a a a a a a a a a a a a a a a a
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### EL PASO NATURAL GAS COMPANY SAN JUAN DIVISION FARMINGTON, NEW MEXICO PRODUCTION DEPARTMENT WATER ANALYSIS

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Analysis No	1-9512		Date_	5-17-	-79	
Operator	EPNG	Well	Name_	SUN I	RAY C #1-A	
Location NW 21-	31-9	_County_	SAN	JUAN	_State	NM
Field		Form	ation			
Sampled From	CPS 136	6W				
Date Sampled			By			
Tbg. Press.	Csg. Csg.	Press		· · · · ·	ppm	g. Press epm
Sodium 23	1			Chloride	40	1
Calcium 670	34			Bicarbonat	e <u>142</u>	2
Hagnesium 8	1			Sulfate	1575	33
Iron PRESEN	<u> </u>	*		<b>Car</b> bonate_	00	0
II2SABSENT	<u></u>			Hydroxide_	0	0
cc: D.C.Adams R.A.Ullrich E.R.Paulek J.W.McCarth A.M.Smith W.B.Shropsh File	y			pH <u>7,5</u> Sp. Gr. <u>1</u>	. <u>0039</u> a	ved 2872 
Water at 50	•			Bar		Trunulliain_PZE
20 Na 25 20 20 Na 600 0PF CHART Ca 600000000000000000000000000000000000		5		5 1		20 25 c1 10
Mg						so <sub>4</sub> 10
Fe		Sc	ale:	epm		co <sub>3</sub> 4

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<u>аср: 3/10/2025 8:59:18 АМ</u> ЗО-ОЧ	15-10493	
	DEEP GROUND BED CA NORTHWESTERN NEW it 3 copies to OCD	
Operator TENNECO	Locat	tion: Unit <u>SW</u> Sec.22_Twp3
Name of Well/Wells or P:	ipeline Serviced	RIDDLE D #3
		cps
Elevation <u>6263'</u> Completio	n Date <u>6/12/63</u> Tota	al Depth <u>280'</u> Land Type'
Casing, Sizes, Types & I	Depths <u>N/A</u>	
If Casing is cemented, s	show amounts & type	es used <u>N/A</u>
·		
If Cement or Bentonite H	Plugs have been pla	aced, show depths & amour
N/A		
Depths & thickness of wa	ater zones with des	scription of water when p
Fresh, Clear, Salty, Sul	lphur, Etc. <u>N/A</u>	
Depths gas encountered:_	N/A	<u> Breenv</u>
Type & amount of coke br	reeze used: <u>2500</u> ]	1bs. MAY 31 1991
Depths anodes placed:	<u>55', 249', 243', 237',</u>	
Depths vent pipes placed	1:N/A	DIST. 3
Vent pipe perforations:_	N/A	

Page 52 of 165

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

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

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WELL CASING CATHODIC PROTECTION CONSTRUCTION REPORT DAILY LOG Page 53 of 165

DATE 6-12-63 WELL NAME Riddle Vo. 3-D CPS NO. 346-W LOCATION Ju 4 Sec. 22 F3INR9W WORK ORDER NUMBER 184- 40542-50-02 TOTAL DRILLING RIG TIME  $10^{3/2}$ DRILLING TIME FOR RECTIFIER POLE HOLE  $\_\mathcal{O}$ TYPE AND SIZE BIT USED 6/4 Rock 3415X NUMBER SACKS MUD USED \_/ NUMBER SACKS LOST CIRCULATION MAT'L USED ANODE DEPTHS #1 255, #2 249, #3 243, #4 237 5 231 J . S 348. TOTAL LBS. COKE USED 2500 255ac ANODE OUTPUTS 12.4 VOLTS, #1 3.0, #2 3.1, #3 3.7, #4 3.1 TOTAL CIRCUIT RESISTANCE: VOLTS /2.0 AMPERES 7.0 OHMS /. NUMBER FEET SURFACE CABLE CONDUCT 620 DRILLING LOG (ATTACH HERETO). FORMATION LOG (ATTACH HERETO). atic c/s 1668 600 5 REMARKS : Rectifier 28 V 16A Ser. # 62C6351 GoodAll ALL CONSTRUCTION COMPLETED rece SIGNATURE GROUND BED LAYOUT SKETCH 125/V 156 ORIGINAL & 1 COPY ALL REPORTS

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LEASE 2020 FJW F WELL NO.	NTRACTOR CALL WILLSOM RIGNO: 0-6	REPORT NO. DATE MAR // 19
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	FORMATION	Draller
0 5 00 000	157 715 64444 13419	250 280 16 3134 Ship 34 35
60 151 34955 7	199 350 Hora 24 des 1	
NO. DC SIZE	16 DC	NO. DC SIZE
	BIT NO. DC SIZE LENG.	BIT NO. NO. DC SIZE LENG.
ERI ID. JUIST	SERIAL NO.	SERIAL NO.
IZE SINGLES	SIZE	SI ZE SIN GL'ES
YPEROCA CONNON KELLY	DOWN ON KELLY	TYPE DOWN ON KELLY
AAKE PANAC MAC TOTAL DEPTH 280	MAKE	MAKE TOTAL DEPTH
MUD RECORD	MUD, ADDITIVES USED AND RECEIVED	MUD RECORD         MUD, ADDITIVES USED AND RECEIVED           Time         Wt.         Vis.
Time With Visit 70238 WARSA	Total Kia Time	
	61	
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FROM TO TIME BREAKDOWN	TIME BREAKDOWN	FROM TO TIME BREAK DOWN
REMARKS- JUNC 11-MOV CS 12:30 5/12 1/18 JUNC 12- WEFT BLOOMFIC S 6:00		REMARKS -
		Auchod Hale 1:10
	的。 <b>我们的是我们的,我们就是我们的你说了。""你们是我们的是这些,你</b> 是你的是我们的是我们,我们们们们们就是我们的是我们就是我们的,我们是不是我们。"	THIMES TOR TILE
		A.1.1 A
it is a second to the second	at the second state of the	AILA D
		11 Danels
SIGN		Company Supervisor

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Page 54 of 165

	30-045-10493
NORTHWESTE	BED CATHODIC PROTECTION WELLS RN NEW MEXICO to OCD Aztec Office)
Operator TENNECO	Location: Unit <u>SW_Sec.22_Twp31_Rng9</u>
Name of Well/Wells or Pipeline Serv	iced <u>RIDDLE D #3</u>
	cps 346w
Elevation 6263' Completion Date 1/6/67	Total Depth <u>440'</u> Land Type* <u>N/A</u>
Casing, Sizes, Types & Depths N/A	
If Casing is cemented, show amounts	& types used N/A
If Cement or Bentonite Plugs have be	een placed, show depths & amounts used
Depths & thickness of water zones w	ith description of water when possible:
Fresh, Clear, Salty, Sulphur, Etc.	
,,,,,,,,	190' RECEIVE
	MAY 3 1 1991
Depths gas encountered: <u>N/A</u>	OIL CON. DI
Type & amount of coke breeze used:	4440 lbs. <b>DIST. 3</b>
Depths anodes placed: 383', 377', 371'	, 365', 359', 322', 296', 290'
Depths vent pipes placed: 383' OF 3	3/4" HOSE
Vent pipe perforations: 220'	
Remarks: gb #2 not a MERIDIAN well.	, 

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.

-	30-045-10493
DATA SHEET FOR DEEP GROUND B NORTHWESTERN (Submit 3 copies to	
OperatorTENNECO	Location: Unit <u>SW</u> Sec.22 Twp <u>31 Rng 9</u>
Name of Well/Wells or Pipeline Servic	ed <u>RIDDLED#3</u>
	cps 346w
Elevation 6263' Completion Date 6/12/63	_Total Depth <u>280'</u> Land Type* <u>N/A</u>
Casing, Sizes, Types & DepthsN/A	
If Casing is cemented, show amounts &	types used <u>N/A</u>
If Cement or Bentonite Plugs have bee	-
Depths & thickness of water zones wit	
Fresh, Clear, Salty, Sulphur, Etc	
Depths gas encountered: N/A	
Type & amount of coke breeze used:	
Depths anodes placed: 255', 249', 243',	237', 231' MAY 2 -
Depths vent pipes placed: <u>N/A</u>	MAY 3 1 1991
Vent pipe perforations:N/A	
Remarks: <u>gb #1</u> not a MERIDIAN well	<u> </u>

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.

4931 30-045-10604

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

OperatorTENNFCO	Location: Unit <u>NE</u> Sec.22 Twp 31 Rng 9
Name of Well/Wells or Pipeline Servi	cedRIDDLED#4
	cps_392w
Elevation 6478 Completion Date 10/8/75	
Casing, Sizes, Types & Depths <u>N/A</u>	
If Casing is cemented, show amounts	& types used <u>N/A</u>
If Cement or Bentonite Plugs have been N/A	en placed, show depths & amounts used
	th description of water when possible:
Depths gas encountered: <u>N/A</u> Type & amount of coke breeze used:	4900 lbs. MAY 3 1 1991
Depths anodes placed: 370', 300', 285',	
Depths vent pipes placed:370'	
Vent pipe perforations:200'	
Remarks: <u>gb #2</u> not a MERIDIAN well	•

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.

ceived by OCD: 3/10/2025 8:59:18 AM ige 58 of 165 El Paso Natural Gas Company WELLECASING Form 7-238 (Rev. 1-69) CATHODIC PROTECTION CONSTRUCTION REPORT į. DAILY LOG ترین در . مرابع احماد a phase and a · · · · · . . . . . . . . Completion Bate Drilling Log (Attach Hereto). Well Name Location CPS No. Ridd /e NE 22-31-9 Type & Size Bit Used Work Order No. 184-52 19-50: Anode Hole Depth Total Lbs. Coke Used 49 SACKS Total Drilling Rig Time Lost Circulation Mat'l Used No. Sacks Mud Used SACKS 400 Anode Depth 11 5.10 #1 370° # 2 300% # 3245 # 10 # 4 2 7 5 # 5 2-50- # 6 # 8 # 7 # 9 Anode Output (Amps) 14 3. (F # 4 3, 6 #536 # 1 2.64 #2 # 3 **Z, Y** # 6 # 7 # 9 # 8 # 10 1.2 Anode Depth-(1 |#-20 # 13 #11 # 12 # 14 # 17 # 15 # 16 # 19 #-20 # 18 Anode Output (Amps) ć È. . 24 #:19 # 17 # 14 # 16 # 18 #13 **₽ 20** € Total Circuit Resista No. 8 C.P. Cable Used No. 2 C.R. Coble Used Volts / 2 Ohms Amps ¢Ø: perserATe Remarks: -06----م ليو. د ann a' chuir An 18 Anns 1 2 14 s. 17 s. s. s. All Construction Completed. GROUND BED LAYOUT SKETCH Reo T. Original & 1 Copy All Reports

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Name of Well/Wells or Pipeline Serviced $R_1 D PLE D$ $Ls$ $4A$ # \$980         Elevation Completion Date $4-7-77$ Total Depth $400$ Land Type * $\overline{M}M012$ Casing, Sizes, Types & Depths $\mathcal{B} \mathcal{B} - R1\mathcal{C}_20^{\prime}$ If Casing is cemented, show amounts & types used $4BAGS$ $\overline{Cin}$ $\overline{Type 1E2}$ If Cement or Bentonite Plugs have been placed, show depths & amounts used         Depths & thickness of water zones with description of water when possible:         Fresh, Clear, Salty, Sulphur, Etc $OML$ $COM_0$ $DIM$ Depths gas encountered: $OML$ $COM_0$ $DIM$ Type & amount of coke breeze used: $Leresce S(u) - 42e^{0}$ / $hS^{-}$ Depths under placed:	cei	ived by OCD: 3/10/2025 8:59:18 AM DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS									
Operator EPFS Location: Unit DSec. <u>22</u> Twp <u>31</u> Rng <u>9</u> Name of Well/Wells or Pipeline Serviced <u>R1DPLE</u> D <u>4s</u> <u>4A</u> <u>#</u> <u>8986</u> Elevation Completion Date <u>4-7-17</u> Total Depth <u>400</u> Land Type <u>*</u> <u>M012</u> Casing, Sizes, Types & Depths <u>8</u> <u>96</u> <u><u>R1C</u> <u>20</u>' If Casing is cemented, show amounts &amp; types used <u>48</u><u>H65</u> <u>Zim</u><u>Type1</u><u>E2</u> If Cement or Bentonite Plugs have been placed, show depths &amp; amounts used Depths &amp; thickness of water zones with description of water when possible: Fresh, Clear, Salty, Sulphur, Etc Depths gas encountered: Type &amp; amount of coke breeze used: <u><math>heresco 5w - 4200</math> [hs -</u>] Depths anodes placed: <u><math>190 - 370</math></u> Depths vent pipes placed: <u><math>320 - </math></u> Vent pipe perforations: <u><math>200</math></u></u>	•	(Set with 2 service to OCD Aster Office)									
Elevation Completion Date $\frac{4-7-97}{2}$ Total Depth $\underline{400}$ Land Type * $\underline{N} + 012$ Casing, Sizes, Types & Depths $\underline{S} + \underline{S} - \underline{0}1^{\prime}\underline{C} + 20^{\prime}$ If Casing is cemented, show amounts & types used $\underline{45}$ and $\underline{7}$	<b>`</b>	Operator $\underline{FPFS}$ , Location: Unit $\underline{D}$ Sec. $\underline{22}$ Twp $\underline{31}$ Rng $\underline{9}$									
Casing, Sizes, Types & Depths $\underline{SPE} - \underline{PIC} 2\underline{C'}$ If Casing is cemented, show amounts & types used $\underline{4B}\overline{FGS}$ $\underline{Cin} \underline{Type1E2}$ If Cement or Bentonite Plugs have been placed, show depths & amounts used Depths & thickness of water zones with description of water when possible: Fresh, Clear, Salty, Sulphur, Etc Depths gas encountered: Type & amount of coke breeze used: $\underline{Leresce5iu - 42c0} / hS^-$ Depths anodes placed: $\underline{-19c} = 370$ Depths vent pipes placed: $\underline{-380} =$ Vent pipe perforations: $\underline{-2c0}$		Name of Well/Wells or Pipeline Serviced <u>RIDDLE D 45 4A</u> # 89865									
If Casing is cemented, show amounts & types used $\underline{+BAGS}$ $\underline{-Cin}$ $\underline{-fype1k2}$ If Cement or Bentonite Plugs have been placed, show depths & amounts used Depths & thickness of water zones with description of water when possible: Fresh, Clear, Salty, Sulphur, Etc Depths gas encountered: Depths gas encountered: Type & amount of coke breeze used: $\underline{-heresce.5w} - 42co \ 1bs - 21998$ Depths anodes placed: $\underline{-19c} - 37c$ Depths vent pipes placed: $\underline{-36c}$ Vent pipe perforations: $\underline{-2cc}$		Elevation Completion Date $4 - 7 - 97$ Total Depth $400$ Land Type * NM0126 Casing, Sizes, Types & Depths $878 - 012$ 20'									
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Fresh, Clear, Salty, Sulphur, Etc.       DECENVE         MAR - 2 1998         Depths gas encountered:       OIL CONL DIV         Type & amount of coke breeze used:       Loresco 5w - 4200 / hs -         Depths anodes placed:       190 - 370         Depths vent pipes placed:       380 -         Vent pipe perforations:       200		If Cement or Bentonite Plugs have been placed, show depths & amounts used									
Mar       - 2 1998         Depths gas encountered:		Depths & thickness of water zones with description of water when possible:									
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Type & amount of coke breeze used: $\underline{Acresco 3w} - 42co 7bs^{-1}$ Depths anodes placed: $\underline{190} - 370$ Depths vent pipes placed: $\underline{380} - $ Vent pipe perforations: $\underline{200}$											
Depths vent pipes placed: <u>380</u> - Vent pipe perforations: <u>200</u>		Type & amount of coke breeze used: Lievesic Sw -4200 1hs-									
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If any of the above data is unavailable, please indicate so. Copies of all logs, including Drillers Log, Water Analyses & Well Bore Schematics should be submitted when available. Unplugged abandoned wells are to be included.

Received by DEEP: WEddo STROUGNDBEDMDATA	DATE April 7, 1997 Page 62 of 165
COMPANY EPFS/Amoco	COUNTY <u>San Juan</u> STATE <u>NM</u>
CONTRACT NO. FC-96-1000	UNIT NO. 89865
LOCATION <u>riddle</u> "D" LS 4A	
GROUNDBED: DEPTH 400 FT., DI	A. 7 7/8 IN., ANODES (10) 2 x 60 SHA-2
CASING: SIZE 8_IN., DE	ртн <u>20</u> Fт.

Дертн Гт.	DRILLER'S LOG	Resis Ohms	TIVITY Amps	Anode Number	Depth To Anode Top	Before Coke	After Coke
5	Casing					·····	
10	N						
15	11	1					
20	Brown Sand			···			
25	"						
30	17						
<u>30</u> 35	11						
40	11		0.5				
45	18		0.7				
50	18		0.6				
55	11		0.6				······
60	11	1	0.5				
45 50 55 60 65	11		0.6				
70	11		0.6				
75	11		0.7				
75 80	11	1	0.8				
85	17	1	0.8			· · · · · · · · · · · · · · · · · · ·	······································
90	11		0.6				
<u>95</u>	11		0.6				
100	17		0.5				· · · · · · · · · · · · · · · · · · ·
105	17		0.8				
110	11		1.3		·····		
115	11		1.0				
120	11		0.8				
1 <u>20</u> 125	и		0.7				
130	11		0.7				/
1 <u>30</u> 1 <u>35</u>	"		0.7				· · · · · · · · · · · · · · · · · · ·
140	Blue Sandstone		0.6				·
145	11		0.7				
150	11		1.0				<u>}</u>
155	11		1.0				<u>.</u>
160	n		0.8				
65			0.8				
60 65 70 75	n		0.7				-
75	19		0.5			·	
80	17		0.3				• · · · <u> </u>
80 85 190 195 200 25 200 215 220 225 230 35 40	17	+	0.4				
iğn	Shale		2.1	10	190	2.1	4.4
195			1.9				
200	n		1.9				
05	rt .		1.9	9	205	1.9	4.4
210	11		2.1			h	• • •
215	11	1	2.1	8	215	2.1	5.0
220	11		2.3				
225	11	- <u> </u>	2.3	7	225	2.3	5.3
230	"		2.4				
35	n		2.2	6	235	2.2	5.0
40	Shale	+	1.9				<u> </u>
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DATE <u>April 7, 1997</u>

Page 63 of 165

LOCATION Riddle "D" LS 4A

UNIT NO. \_\_\_\_\_89865

Дертн Ет	DRILLER'S LOG	RESIS OHMS	TIVITY AMPS	Anode Number	Depth To Anode Top	Before Coke	AFTER Coke
245 250 255 260	Shale		1.7	5	245	1.7	3.7
250	11 11		1.7 1.2				
255	10		0.8				ļ
260			0.9				
<u>265</u> 270	11		0.8	·		<u> </u>	<b> </b>
275	11		1.1				<u>+</u>
280			0.7				
<u>280</u> 285	II -		0.7				<u> </u>
290	11		0.7				
295	11		0.8				
300 305 310			0.4				
305	1 11 11	ļ	0.4				<b> </b>
315		i	1.0			· · · · · · · · · · · · · · · · · · ·	· ·
<u>320</u>			<u>1.0</u> 1.1			· · · · · · · · · · · · · · · · · · ·	<u>}</u>
325	Sandstone & Sandy Shale		1.3	4	325	1.2	2.7
330	11	······	1.1			1 1.2	2.1
<u>330</u> 335	17		0.7				<u> </u> ]
1340	11		0.6				
345 350 355 360	11		1.1				
350	17		1.5	3	350	1.5	4.1
355	11		1.9				
<u>360</u>	10		1.8	2	360	1.8	4.5
365	11 11		1.6	<u>-</u>			
370 375			2.0 1.9	1	370	2.0	.4.5
3/5	Shale		1.9				
380 385 390	. 17		1.7		<u>}</u>		<del>   </del>
390	II					· · · · · · · · · · · · · · · · · · ·	<u> </u>
395	11						<u> </u>
400	Shale		· · · · · ·		· · · · · · · · · · · · · · · · · · ·		
405							
410							
415	·	L					
4 <u>20</u> 425 430						· · · · · ·	<b> </b>
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by OCD: 3/10/	30°045^M0343	<b>RECEIVE</b> Page 64 of 1
		MAY 3 1 1991 OIL CON. DIV DIST. 3
	N	EEP GROUND BED CATHODIC PROTECTION WELLS NORTHWESTERN NEW MEXICO 3 copies to OCD Aztec Office)
Operato	TENNECO	Location: UnitNE_Sec.27_Twp 31 Rng_
Name of	Well/Wells or Pipe	eline Serviced <u>SCHWERDTFEGER #2</u>
·····		cps 344w
Elevati	.on <u>6218'</u> Completion D	Date <u>7/3/74</u> Total Depth <u>400</u> Land Type* <u>N/A</u>
Casing,	Sizes, Types & Dep	othsN/A
<del></del>		<u></u>
If Casi	ng is cemented, sho	ow amounts & types used <u>N/A</u>
	nt or Bentonite Plu /A	igs have been placed, show depths & amounts us
Depths	& thickness of wate	er zones with description of water when possible
Fresh,	Clear, Salty, Sulph	ur, EtcWET AT 100' WATER AT 205'
Depths	gas encountered:	N/A
		ze used: <u>N/A</u>
Develo	anodes placed: <u>365'</u>	<u>, 355', 345', 335', 300', 290', 280', 265', 250', 235'</u>
Depths		
	vent pipes placed:_	<u>N/A</u>
Depths		<u>275'</u>

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

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

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Received by OCD: 3/10/2025 8:59:18 AM Page 65 of 165 El Pasa Natural Gas Compary WELL CASING Form 7-238 (Rev. 1-69). CATHODIC PROTECTION CONSTRUCTION REPORT 1066Ed 1.22 DAILY LOG ~~pi7# 1 C Completion Date Drilling Log (Attach Hereto). Location NE 27 -3/- 9 CPS No. 3440 er #2 & Size Bit U Work Order No. 5209 10 Doth Total Drilling Rig Time No. Sacks Mud Used Total Lbs. Coke Used Lost Circulation Mat<sup>\*</sup>l Used in the s # 3346 # 4335 # 5300 \* 2**355** # 6290 # 7280 # 8265 # 9250 # 102 Anode Output ( \* 5**3.**2 # 8 3.6 # 73.4 # 3 4 4 # 43.8 # 6 3.8 # # 10 🕊 # 9 ⋜ # 2 4,0 Anode Depth # 18 # 11 # 13 # 15 # 16 # 17 # 19 <sup>i</sup># 20 # 12 # 14 Anode Output (Amps) `¦# 12 12 # 11 # 13 # 15 # 16 # 17 # 18 # 19 # 20 # 14 No. 8 C.P. Cable Used Total Circuit Resistance No. 2 C.P. Cable Used 12 Amps Ohms / Volte Remarks: Driller Said Met at 100-120 - Stors r 30 Min. leve 205 275 501 -0LC د بر می این در این طرح می است. . . . . . . 3,409.00 Construction Completed 27.20 CADLE 3,436. 2.0 (Signature) 20 GROUND BED LAYOUT SKETCH 3, 844. 15 6

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30-045-11825 DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS

NORTHWESTERN NEW MEXICO (Submit 3 copies to OCD Aztec Office)

Operator TENNECO	Location: Unit <u>SW_Sec.27_Twp31_Rng9</u>
Name of Well/Wells or Pipeline Service	edSCHWERDTFEGER #1R
	cps_397w
Elevation <u>6070'</u> Completion Date <u>6/25/75</u>	_Total Depth_200' _Land Type*_N/A
Casing, Sizes, Types & Depths <u>N/A</u>	
If Casing is cemented, show amounts &	types used N/A
If Cement or Bentonite Plugs have beer	n placed, show depths & amounts used
N/A	
Depths & thickness of water zones with	description of water when possible:
Fresh, Clear, Salty, Sulphur, Etc	N/A
Depths gas encountered: N/A	<u> <u> Peceivem</u></u>
Type & amount of coke breeze used:2	2000 lbs.
Depths anodes placed: 100', 90', 80', 70'	, 60' MAY 31 1991,
Depths vent pipes placed: N/A	OIL CON. DIV.
Vent pipe perforations: N/A	
Remarks: gb #2 FIRST HOLE (80') CAVED	not a MERIDIAN well.

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.

30-045-11825

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

Operator TENNECO Loc	ation: Unit_SW_Sec. <u>27_Twp31_Rng9</u>
Name of Well/Wells or Pipeline Serviced_	SCHWERDTFEGER #1R
	cps 397w
Elevation 6070'Completion Date 6/12/63 To	tal Depth <u>160'</u> Land Type* <u>N/A</u>
Casing, Sizes, Types & DepthsN/A	
If Casing is cemented, show amounts & ty	pes used <u>N/A</u>
If Cement or Bentonite Plugs have been p	
N/A	
Depths & thickness of water zones with d	escription of water when possible:
Fresh, Clear, Salty, Sulphur, EtcN/A	
Depths gas encountered: N/A	
Type & amount of coke breeze used:1600	) 1bs.
Depths anodes placed: 105', 95', 88', 82', 7	
Depths vent pipes placed:N/A	MAY 3 1 1997
Vent pipe perforations: N/A	OIL CON. BIV.
Remarks: gb #1 not a MERIDIAN well.	

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.

Page 70 of 165 Received by OCD: 3/10/2025 8:5918 AM 45-224 25 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.27 Twp 31 Rng 9 Name of Well/Wells or Pipeline Serviced SCHWERDTFEGER #2A cps 1257w Elevation 6277'Completion Date 6/2/78 Total Depth 385' 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. 170' & 210' Depths gas encountered: N/A N/A Type & amount of coke breeze used: Depths anodes placed: 370', 360', 350', 340', 305', 295', 285', 265', 255', 245' Depths vent pipes placed: 375' 220' Vent pipe perforations: Remarks: gb #1 

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

453

30-045-22426

NORTHWESTERN NEW MEXICO (Submit 3 copies to OCD Aztec Office) Name of Well/Wells or Pipeline Serviced <u>SCHWERDTFEGER #1A</u> cps 1256w Elevation 6160'Completion Date 6/2/78 Total Depth 320' Land Type\* N/A Casing, Sizes, Types & Depths 15' OF 8" PLASTIC PIPE If Casing is cemented, show amounts & types used N/A If Cement or Bentonite Plugs have been placed, show depths & amounts used N/A Depths & thickness of water zones with description of water when possible: Fresh, Clear, Salty, Sulphur, Etc. 55' Depths gas encountered: N/A Type & amount of coke breeze used: N/A 220', 155', 145', 125' Depths anodes placed: 280', 270', 260', 250', 240', 230', Depths vent pipes placed: 320' MAY 2 1 1994 Vent pipe perforations: 230'

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS

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If any of the above data is unavailable, please indicate sor. 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.

Remarks: gb #1

Received by OCD: 3/10/2025 8:59:18 AM ↔ El Paso Natural Gas Company Form 7-238 (Rev. 11-71)

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WELL CASING CATHODIC PROTECTION CONSTRUCTION REPORT

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Drilling Log (Attach Hereta	<i>p).</i>				С	ompletion Da	te6/3	2/28
Well Name			ation	· · ·		CPS No.		
Schwerd TF	eger .	14	SE 2	7-31-9	)	Work Order	<u>56 w</u>	
6 3/4					······································		153-	21
Añode Hole Depth 320 - 300 T.D	Total Drilling Pie	g Time 🛛 T	otal Lbs. Coke U	Ised Lost Cir	culation Mat <b>r</b> l U	sed No. Sacks N	ud Used	
Anode Depth	· · ·	1	· · ·	· · ·		· · · · · · · · · · · · · · · · · · ·	, , ,	
≈ 1 <b>280</b>   ≠ 2 <b>270</b> Anode Output (Amps)	= 3 260	: 4 250	5 240	+6230	17 220	× 8 /55	= 9 145	# 10 125
	# 3 2.5	# 4 3.2 ·	= 5 3,5	* 6 2.5	± 7 3.0	* 8 2.9	= 9 3.0	# 10 2,7
Anode Depth : 11 # 12	¦# 13	i≓ 14	¦≈ 15	¦# 16	l≈ 17	l≈ 18	# 19	;  # 20
Anode Output (Amps)			1	1			1	
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#### El Paso Natural Gas Company ENGINEERING CALCULATION

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		and the state of the state of the	-	By. File:
MW         gals/mol           16:04         C1         64           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	5Ch WE 2, d +50 g C.	, ,	31-9 1256:0 57 PRIMER STAND STOP MARTIN WATCH Standing D. A. PERSENSITE 230 2417 INSTALLED 300 SF INSTALLED 15' OF TOP OF LOLE.	OS Next A.M. 6 Sals Per Min Vint Mine Vent Pipe.
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	5 <b>0</b> 60	10 . 4 1.3 - 20 1.6 É	en – Lee aralialent valenzienten den en alen zehrangensenversienen abereiente	
MW         gats/mol           32.00         O2         3.37           28.01         CO2         6.38           64.06         SO2         5.50           34.08         H2S         5.17           28.01         N2         4.16           2.02         H2         3.38	$   \begin{array}{c}     70 \\     97 \\     90 \\     10 \\   $	1.5 1.7 1.7 5 1.9 1.9 1.6 5 1.6 5 1.5 - 0 1.6 2.0 - 80 2.3 0 - 80 2.3 0 - 80 2.3 0 1.7 97 1.4 5 1.7 97 1.4 1.7 1.7 97 1.4 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7	$ \begin{array}{c} 0 & 280 & -2.5 \\ 3 & 299 & -1.7 \\ 0 & 260 & -1.6 \\ \hline 0 & 250 & -2.3 \\ \hline 0 & 250 & -2.3 \\ \hline 0 & 250 & -1.4 \\ \hline 0 & 326 & -2.5 \\ \hline 0 & 159 & -1.8 \\ \hline 0 & 159 & -1.8 \\ \hline 0 & 159 & -1.6 \\ \hline 14A & = .81 \\ \end{array} $	- 2,5 - 3.2 - 3.5 - 2.5 - 2.9 - 3.0

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#### EL PASO NATURAL GAS COMPANY

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Page 74 of 165

Page 75 of 165

Received by OCD: 3/10/2025 8:59:18 AM

1-30-045-10257 3-30-045-22991 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 9 Name of Well/Wells or Pipeline Serviced <u>SHEETS, #1, #3</u> cps 341w Elevation 6171' Completion Date 8/9/74 Total Depth 400' Land Type\* N/A Casing, Sizes, Types & Depths N/A If Casing is cemented, show amounts & types used N/A If Cement or Bentonite Plugs have been placed, show depths & amounts used N/A \_\_\_\_\_ Depths & thickness of water zones with description of water when possible: Fresh, Clear, Salty, Sulphur, Etc. 50' MAY 3 7 1991 Depths gas encountered: N/A OIL CON. DIV. DIST. 3 Type & amount of coke breeze used: 6100 lbs. Depths anodes placed: <u>360'</u>, 350', 340', 330', 320', 310', 265', 165', 145', 105'

Depths vent pipes placed: N/A\_\_\_\_\_

Vent pipe perforations: 320'

Remarks: <u>gb #2</u>

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.

Page 76 of 165

Received by OCD: 3/10/2025 8:59:18 AM

1-30-045-10257 3-30-045-22991 . الأهمار ا DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS NORTHWESTERN NEW MEXICO (Submit 3 copies to OCD Aztec Office) Operator MERIDIAN OIL Location: UnitSW Sec.28 Twp 31 Rng9 Name of Well/Wells or Pipeline Serviced <u>SHEETS #1, #3</u> cps 341w Elevation<u>6171'</u>Completion Date<u>6/11/63</u> Total Depth<u>140'</u>Land Type\*<u>N/A</u> Casing, Sizes, Types & Depths N/A If Casing is cemented, show amounts & types used <u>N/A</u> 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. <u>N/A</u> Depths gas encountered: N/A\_\_\_\_\_ MAY 3 1 1991 Type & amount of coke breeze used: 1200 lbs. OIL CON. DIV Depths anodes placed: 120', 114', 108', 102', 96' Depths vent pipes placed: N/A Vent pipe perforations: N/A

Remarks: <u>gb #1</u>\_\_\_\_\_

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

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

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

30-045-22876

Operator <u>EPFS</u> Location: Unit <u>EPFS</u> Rng <sup>9</sup>
Name of Well/Wells or Pipeline Serviced Houron # 1 mtn # 90225
Elevation Completion Date <u>6-10-97</u> total Depth <u>400</u> Land Type * <u>NFT 016746</u>
Casing, Sizes, Types & Depths 878 14 C. 20
If Casing is cemented, show amounts & types used 6 8 AGS ZIA Type 1 E Z
If Cement or Bentonite Plugs have been placed, show depths & amounts used
Depths & thickness of water zones with description of water when possible: Fresh, Clear, Salty, Sulphur, Etc. Dramp @ 110-115 - Wictot 190' Stort WTR. IN j
Depths gas encountered:
Type & amount of coke breeze used: 40rcsco Sw 5200 16 50ECEIVED
Depths anodes placed:
Depths vent pipes placed: 370
Vent pipe perforations:Z40
Remarks:
OH Sarrel
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If any of the above data is unavailable, please indicate so. Copies of all logs, including Drillers Log, Water Analyses & Well Bore Schematics should be submitted when available. Unplugged abandoned wells are to be included.

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

	ZZZY Page
	EEP GROUND BED CATHODIC PROTECTION WELLS
(	NORTHWESTERN NEW MEXICO Submit 3 copies to OCD Aztec Office)
$\frac{CPS \ 90Z25}{Operator \ FPFS}$	Addenbum
Operator <u>FPFS</u> .	Location: Unit <u>G</u> Sec. <u>28</u> Twp <u>31</u> Rng <u>9</u>
Name of Well/Wells or Pipeline Service	d HORTON #1
Elevation Completion Date	e <u>6-11-97</u> Total Depth <u>400</u> Land Type * <u>Nm:0167</u>
Casing, Sucs, 1 Jpcs & Depuis	
If Casing is cemented, show amounts &	types used
If Cement or Bentonite Plugs have been	placed, show depths & amounts used
	n placed, show depths & amounts used
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120 JACKS By Center	SINC From 130' description of water when possible:
<u>120 SACKS By Cententer</u> Depths & thickness of water zones with	SINC From 130' description of water when possible:
<u>120 SACKS By Cententer</u> Depths & thickness of water zones with Fresh, Clear, Salty, Sulphur, Etc.	SINC From 130' description of water when possible: DECEIVE NOCI 1 4 1997
<u>120 SACKS By Cententer</u> Depths & thickness of water zones with Fresh, Clear, Salty, Sulphur, Etc Depths gas encountered:	SINC From 130' description of water when possible: DECEIVE N DCI 1 4 1997 OIL CONDO DE
<u>120 SACKS By Cententer</u> Depths & thickness of water zones with Fresh, Clear, Salty, Sulphur, Etc Depths gas encountered:	SINC From 130' description of water when possible: DECEIVE NOCI 1 4 1997
<u>120 SACKS By Cententer</u> Depths & thickness of water zones with Fresh, Clear, Salty, Sulphur, Etc Depths gas encountered: Type & amount of coke breeze used: _	SINC From 130' description of water when possible: DECEIVE N DCI 1 4 1997 ODE CONDO DE
<u>120 SACKS By Cententer</u> Depths & thickness of water zones with Fresh, Clear, Salty, Sulphur, Etc Depths gas encountered: Type & amount of coke breeze used: Depths anodes placed:	SINC From 130' description of water when possible: DECEIVE NOL 1 4 1997 OIL CONS DI DUSTS 3
<u>120 Sacks By Cententer</u> Depths & thickness of water zones with Fresh, Clear, Salty, Sulphur, Etc Depths gas encountered: Type & amount of coke breeze used: Depths anodes placed: Depths vent pipes placed:	SINC From 130' description of water when possible: DECEIVE ACI 1 4 1997 OIL CONS DE DISTS 3
<u>120 SACKS By Cententer</u> Depths & thickness of water zones with Fresh, Clear, Salty, Sulphur, Etc Depths gas encountered: Type & amount of coke breeze used: Depths anodes placed: Depths vent pipes placed: Vent pipe perforations:	SINC From 130' description of water when possible: DECEIVE ACI 1 4 1997 OIL CONS DE 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. the the rate to prove the

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PAGE Page 79 of 165

DATE June 10, 1997	e /9 oj
COMPANY EPFS/Amoco COUNTY San Juan STATE NM	• •
CONTRACT NO. <u>FC-96-1000</u> UNIT NO. <u>90225</u>	
LOCATION Horton #1	
GROUNDBED: DEPTH 400 FT., DIA. 7 7/8 IN., ANODES (15)2 x 60 SHA-2	•
CASING: SIZE <u>8</u> IN., DEPTH <u>20</u> FT.	

Дертн Гт.	DRILLER'S LOG	Resis Ohms	TIVITY Amps	Anode Number	Depth To Anode Top	Before Coke	After Coke
5	Casing						
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PAGE 2 OF 80 07165-

Received by OCD: 3/10/2025 8:59:18 AM COMPANY EPFS/Amoco

DATE <u>June 10, 1997</u>

LOCATION Horton #1

UNIT NO. \_\_\_\_\_\_

2/15		OHMS	VITY AMPS	Anode Number	Depth To Anode Top	Before Coke	AFTER Coke
1740 1	Shale	<u> </u>	1.3	····		· · · · · · · · · · · · · · · · · · ·	
250	11		2.2	10	250	2.2	5.5
255	1) 		2.5				
245 250 255 260	11		2.2	9	258	2.2	5.8
265 270 275 280 285 290 295 300 305 310	11		2.6	8	264	2.6	6.3
270	n		2.0	7	270	2.0	5.0
2/5	11		1.6	-			
280	11		1.6				
200	11 11		1.2				
290			1.1				
300	Sandstone	┠	1.0				
305			0.7				
310			0.7		· · · · · · · · · · · · · · · · · · ·		
315	11		0.7				<b> </b>
320	17		0.9		<u></u>		<u> </u>
315 320 325 330 335 340 345 350 355 360	18		1.1		·····		
330	t9		0.9	6	328	1.9	4.6
335			1.2	0		<u> </u>	4.0
340	17		2.1		<u></u>		
345			2.0	5	344	1.9	4.9
350	Shale		2.1	4	350	2.1	5.2
355	n		2.1				
<u>360</u>	11 		2.2	3	358	2.1	5.2
	17		2.0	2	364	2.0	4.5
<u> 370</u>	17		2.1	<u> </u>	370	2.1	4.6
365 370 375 380 385	17		1.7				
280	IT		1.8				
285	11		2.4			· · · · · · · · · · · · · · · · · · ·	
<u>390</u> 395		<u> </u>			<u> </u>		
	Shale		· · · · ·				
400 -	Suate						
410							
415							
420							
425					<u> </u>		
420 425 430						<u> </u>	
435						<u> </u>	
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445							1
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1013	2023 0.39.10 Ag	20-045-	-23124			Pa
	DATA SH		P GROUND BI RTHWESTERN copies to	NEW MEXIC	0	ON WELLS
Operat	or <u>MERIDIA</u>	N OIL	1	Location:	Unit <u>SE</u> Sec.	. <u>28</u> Twp <u>31</u> R
Name o	E Well/Wel	ls or Pipel	ine Service	ed <u>SHEE</u>	<u>FS_#1A</u>	
						cps
Elevat	.on <u>6131'</u> Co	mpletion Da	te 7/31/79	Total Dep	th <u>320'</u> La	and Type*_N
Casing	Sizes, T	ypes & Dept	.hs	N/A		_
·····						
If Cas:	.ng is cem	ented, show	amounts &	types use	d	N/A
		ented, show	<u></u>		••••••••••••••••••••••••••••••••••••••	
If Cem	ent or Ben N/A		s have beer	n placed,	show depths	s & amounts
If Ceme Depths	ent or Ben N/A & thickne	tonite Plug	s have beer zones with	n placed, n descript	show depths	s & amounts er when pos
If Ceme Depths	ent or Ben N/A & thickne	tonite Plug ss of water	s have beer zones with	n placed, n descript	show depths	s & amounts er when pos
If Ceme Depths Fresh,	nt or Ben N/A & thickne Clear, Sa	tonite Plug ss of water	s have beer zones with r, Etc	n placed, n descript	show depths	s & amounts er when pos
If Ceme Depths Fresh, Depths	ent or Ben N/A & thickne Clear, Sa gas encou	tonite Plug ss of water lty, Sulphu	s have been zones with r, Etc N/A	n placed, n descript 50'	show depths ion of wate & 247' SAME	s & amounts er when pos
If Cema Depths Fresh, Depths Type &	ent or Ben N/A & thickne Clear, Sa gas encou amount of	tonite Plug ss of water lty, Sulphu ntered:	s have beer zones with r, Etc N/A e used:	n placed, n descript 50' 45 g	show depths ion of wate & 247' SAME ACKS	s & amounts er when pos PLE TAKEN
If Cema Depths Fresh, Depths Type & Depths	ent or Ben N/A & thickne Clear, Sa gas encou amount of anodes pl	tonite Plug ss of water lty, Sulphu ntered: coke breez	s have beer zones with r, Etc N/A e used: 245', 235', 15	n placed, n descript 50' 45 g	show depths ion of wate & 247' SAME ACKS	s & amounts er when pos PLE TAKEN
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If Cema Depths Fresh, Depths Type & Depths Depths Vent pi	ent or Ben N/A & thickne Clear, Sa gas encou amount of anodes pl vent pipe pe perfor	tonite Plug ss of water lty, Sulphu ntered: coke breez aced: <u>255', 2</u> s placed:	s have been zones with r, Etc N/A e used: 245', 235', 19 320' 280'	n placed, n descript 50' 45 g	show depths ion of wate & 247' SAME ACKS 35', 125', 12	s & amounts er when pos PLE TAKEN

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

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

Received by OCD: 3/10/2025 8:59:18 AM El Paro Natural Gas Company Forni 7-238 (Rev. 11-71)

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WELL CASING CATHODIC PROTECTION CONSTRUCTION REPORT DAILY LOG

ell Name Shea		-A	Loc	E 28-:			CPS No. 1455W				
ype & Size E	3/4 .		10-2"	x60" Du	RiRON	Work Order <b>573</b>	<sup>No.</sup> 3/ク-2/				
node Hole De 320 -	epth Lops Ld	Potal Drilling Ri	.g Time 🆷	45 Coke U	sed Lost Circ	sed No. Sacks N	Mud Used				
node Depth	1			1	1	0		1			
1 <b>255</b> node Output	(Amps)		1	= 5 <b>145</b>				1	1		
1 4.6	# 2 <b>4.7</b>	≈ 3	± 4 <b>4.0</b>	. 5 4.3	±	5.4	1 8 5.6	1×9 5.5	* 10 5.3		
11	# 12	≈ 13	1 14	≈ 15	= 16	- 17	- 18	<sup>1</sup> z 19	¦# 20		
ode Output 11	(Åmps)	¦  ≉ 13	1 1 1 - 14	  ===15	¦  ≠ 16	1 	i 	   = 19	- 20		
	Resistance	s 17.4	- <u> </u>	0,68	No. 8 C P Cat		1.10	No. 2 C.P. Ca			
	+Atic .										
stal lunry	rext A.M. Hed 320 red 45 A Recti	OF I"P	s of C	+ Pipe. okc,	Persor	Ated 2					
istan Iunry lov 16 tub	lled 320 ved 45 A Recti Pole	' 0 <del>5</del> 1" P. SACK: Sicr.	s of C Ext	+ Pipe. okc,	Per Sor le: 220	Ated 2	80'051"	Avc Ver	it Rip		
istan Iunny Iov 16 Hub	Ved 320 ved 45 A Recti	' 0 <del>5</del> 1" P. SACK: Sicr.	s of C Ext	+ Pipe. okc, RA CAL	Per Sor le: 220	Ated 2	80'051"		it Pipe		
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stan Iunny 10v 16 tub	lled 320 ved 45 A Recti Pole	' 0 <del>5</del> 1" P. SACK: Sicr.	ve ven s of C Ext Dite	+ Pipe. okc, RA CAL	Per Sor le: 220 le: 286	ated 2 i i WZ	80'0 51" All Constru Luto	Avc Ver	it Rip		
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Form 22-2 (F	Rev. 1-61)				-	EL	PASO NAT	URAL GAS COMP	ANY							
/	1455 u	۲		4	C	ontrá	CT#	ng department					DAI	LY DRILLING RE	PORT	
LEASE		WELL NO.		CONTR	RACTOR	Q1	Sriānt		IG NO.	1	REP	ORT NO.		DATE 7-31	1	19 79
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Page 83 of 165

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#### Ei Paso Natural Gas Company ENGINEERING CALCULATION

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<u>)</u>

Pa Sheet	ge 84 of 165
Date.	7-31-19
By:	VF LORET
File:	

	Shects # 1-A	1455w SE28-3) Co~tRAC+#2	1-9
MW gals/moi 16.04 C1 6.4 30.07 C2 10.12	Static 600 W=0.87 400167 Recitision 5446 Pole Hole Credit = -180	ExtRA CA6/c= 220' Ditch \$1 CA6/c= 286' 10-2"x60" DuRiro~	PRILLER SAID WATER @ 50'. DRIL to 193' Next AM, WATER STANDI @ 50'. 50 GALS PER MIN @ 2 It with led 320' 0 5 1" PVC Vent Pig PER JORA ted 280' 0 51" PVC Vent Pig
44.10         C3         10 42           58         12         IC4         12 38           58         12         IC4         11 93           72.15         IC5         13.85           72.15         IC6         15.50           86.18         IC6         15.57           86.18         IC6         15.57           100 21         IC7         17 2			Slukkyed 45 SACKS Of COKE
100.21         C7         17.46           114 23         C8         19.39           28.05         C2 <sup>+</sup> 9.64           42.08         C3 <sup>+</sup> 9.67	50 10 1.2 1.2 1.2 1.2 1.0 .7 2.1 1.0 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7		5-31-29 10. HRS
	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		
MISC.	( 0 2, 3 60 . 9 ( 2.3 1.1 10 2, 5 70 1.1 ( 2.5 1.2 90 2, 2 50 1.1		$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
MW         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	D       2, 4       1, 0         30       2, 3       90       1, 0         0       2, 3       1, 0         40       2, 2       3, 00       1, 0         0       2, 1       1, 0		© 135 3.0 5.1 © 125 3.4 5.4 © 115 3.8 5.6 © 105 3.5 5.5 (0) 95 3.7 5.3
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#### EL PASO NATURAL GAS COMPANY SAN JUAN DIVISION FARMINGTON, NEW MEXICO PRODUCTION DEPARTMENT WATER ANALYSIS

Page 85 of 165

Analysis No. 1-9676	Date8-14-79
Operator EPNG Well 1	Name SHEETZ #1A
Location SE 28-31-9 County	SAN JUAN State NEW MEXICO
FieldForma	tion
Sampled From CPS 1455W 50'	
Date SampledB	У
Tbg. Press. Csg. Press Ppmepm	ppm epm
<b>Sodium</b> 552 24	Chloride 32 1
<b>Calcium</b> 200 10	Bicarbonate 190 3
Hagnes lun 12 1	Sulfate 1500 31
Iron PRESENT	Carbonate 0 0
H2SABSENT	Hydroxide00
cc: D.C.Adams R.A.Ullrich E.R.Paulek J.W.McCarthy A.M.Smith W.B.Shropshire File	Total Solids Dissolved 2838         pH7.9         Sp. Gr. 1.0039       at60°F         Resistivity 300       ohm-cm at75       or
C. B. O'Nan	Chow Townshow
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	5 10 15 20 25 c1 10
Ng	so <sub>4</sub> 10
Fe	co <sub>3</sub> 4
Scal	le: epa

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4- ZO-O4S- Z4Z97         250- Zo-O4S- Z69Z3         DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS NORTHWESTERN NEW MEXICO (Submit 3 copies to OCD Aztec Office)         Operator		8:59:18 AM							Page 8
DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS NORTHWESTERN NEW MEXICO (Submit 3 copies to OCD Aztec Office) Operator		4.	- 30-00	<i>{5-2</i> ¢	(297)				······································
NORTHWESTERN NEW MEXICO (Submit 3 copies to OCD Aztec Office)  Operator		25	)- <u>3</u> 0-0	)45-	2697	23			· · · · · · · · · · · · · · · · · · ·
Name of Well/Wells or Pipeline Serviced <u>SHEETS #4, #250</u> 	Γ		NORI	HWESTER	N NEW MI	EXICO		ION WEL	LS
cps         Elevation 6191' Completion Date 8/24/88 Total Depth 320' Land Type*_         Casing, Sizes, Types & Depths	Operator	MERIDIAN	OIL INC.		Locatio	on: Unit_	0_Sec	. <u>28</u> Tw	p <u>31</u> Rr
Elevation 6191' Completion Date 8/24/88 Total Depth 320' Land Type* 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 N/A Depths & thickness of water zones with description of water when pos Fresh, Clear, Salty, Sulphur, Etc. 90' & 300' Depths gas encountered: N/A Type & amount of coke breeze used: N/A Depths anodes placed: 235', 225', 215', 205', 195', 185', 175', 165', 155', 1 Depths vent pipes placed: 320'	Name of $W\epsilon$	ell/Wells c	or Pipelin	ne Servi	ced <u>s</u>	HEETS #4,	#250		
Casing, Sizes, Types & DepthsN/A									cps 1
If Casing is cemented, show amounts & types used N/A If Cement or Bentonite Plugs have been placed, show depths & amounts N/A Depths & thickness of water zones with description of water when pos Fresh, Clear, Salty, Sulphur, Etc. 90' & 300' Depths gas encountered: N/A Type & amount of coke breeze used: N/A Depths anodes placed: 235', 225', 215', 205', 195', 185', 175', 165', 155', 1 Depths vent pipes placed: 320'	Elevation_	<u>5191'</u> Comple	etion Date	8/24/88		Depth_32	20 <b>`</b> I	and Ty	pe*_N
If Cement or Bentonite Plugs have been placed, show depths & amounts N/A Depths & thickness of water zones with description of water when pose Fresh, Clear, Salty, Sulphur, Etc. 90' & 300' Depths gas encountered: N/A Type & amount of coke breeze used: N/A Depths anodes placed: 235', 225', 215', 205', 195', 185', 175', 165', 155', 145 Depths vent pipes placed: 320'	Casing, Si	.zes, Types	s & Depths	s	N/A				
If Cement or Bentonite Plugs have been placed, show depths & amounts N/A Depths & thickness of water zones with description of water when pose Fresh, Clear, Salty, Sulphur, Etc. 90' & 300' Depths gas encountered: N/A Type & amount of coke breeze used: N/A Depths anodes placed: 235', 225', 215', 205', 195', 185', 175', 165', 155', 145 Depths vent pipes placed: 320'									
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Depths & thickness of water zones with description of water when pose Fresh, Clear, Salty, Sulphur, Etc. 90' & 300' Depths gas encountered: N/A Type & amount of coke breeze used: N/A Depths anodes placed: 235', 225', 215', 205', 195', 185', 175', 165', 155', 14 Depths vent pipes placed: 320'	If Casing	is cemente	ed, show a	mounts	& types	used	N/A		
Fresh, Clear, Salty, Sulphur, Etc. <u>90' &amp; 300'</u> Depths gas encountered: <u>N/A</u> Type & amount of coke breeze used: <u>N/A</u> Depths anodes placed: <u>235', 225', 215', 205', 195', 185', 175', 165', 155', 14</u> Depths vent pipes placed: <u>320'</u>	·			<u> </u>				ıs & am	ounts
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Depths gas encountered: N/A Type & amount of coke breeze used: N/A Depths anodes placed: 235', 225', 215', 205', 195', 185', 175', 165', 155', 1 Depths vent pipes placed: 320'	If Cement Depths & t	or Bentoni N/A hickness c	ite Plugs of water z	have bee	en place	ed, show	depth		
Type & amount of coke breeze used: N/A OH CON DW Depths anodes placed: 235', 225', 215', 205', 195', 185', 175', 165', 155', 1 Depths vent pipes placed: 320'	If Cement Depths & t	or Bentoni N/A hickness c	ite Plugs of water z	have bee	en place	ed, show	depth of wat	er whe	n poss
Depths anodes placed: 235', 225', 215', 205', 195', 185', 175', 165', 155', 1 Depths vent pipes placed: 320'	If Cement Depths & t Fresh, Cle	or Bentoni N/A hickness c ar, Salty,	ite Plugs of water z Sulphur,	have bea	en place	ed, show	depth of wat	er whe	n poss
Depths vent pipes placed: 320'	If Cement Depths & t Fresh, Cle Depths gas	or Bentoni N/A hickness c ear, Salty, encounter	ite Plugs of water z Sulphur, red:	have been some some some some some some some some	en place	ed, show	depth of wat	er whe	n poss <b>VE</b> [[ Baj
·	If Cement Depths & t Fresh, Cle Depths gas Type & amo	or Bentoni N/A hickness c ear, Salty, e encounter ount of cok	ite Plugs of water z Sulphur, red: te breeze	have been solved to be the solves with the solves with the solvest set of the solvest set	en place th descr 90'	ed, show	depth of wat DE M	cer whe	n poss
Vent pipe perforations: 220'	If Cement Depths & t Fresh, Cle Depths gas Type & amo Depths ano	or Bentoni N/A hickness c ar, Salty, e encounter ount of cok odes placed	ite Plugs of water z Sulphur, ced: ae breeze 1: 235', 225	have been solve the second sec	en place th descr 90'	ed, show	depth of wat DE M	cer whe	n poss
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If any of the above data is unavailable, please indicate so. Copies of all logs, including Drillers Log, Water Analyses & Well Bore Schematics should be submitted when available. Unplugged abandoned wells are to be included.

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

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FM-07- '238 (Rev 10-82)

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WELL CASING CATHODIC PROTECTION CONSTRUCTION REPORT DAILY LOG

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Drilling Log (Attach Hereto)	$\langle O \rangle$		С	ompletion Da	ate 8 - 24	4-88
CPS # Well Name Line or Plant	£ν _	Work Order #	Static		Ins Union Check	
Shorts #4	PC	53563A		W= 1.10		·
1 A	DK			<u> </u>	- 🗹 Good	🗌 82d
1987 W	•					
Location Anode Size	Anode Type	*	Size Bit			
028-31-09 2" × 60. Depth Drilled Depth Logged		Total Lbs Coke Used	Lost Circulatio	o Mor'l Deed	No Sacks Mud Use	<u> </u>
Depth Drilled Depth Logged	Drilling Rig Time	Total LDs Goke Used	Lost Cheurado	n Mat I Used	INO SALKS MILICIOS	cu.
Anode Depth	· · · · · · · · · · · · · · · · · · ·				, <u> </u>	<u>,</u>
# 1235 # 2225 # 3 215	# 4 205 # 5/	95 # 6 185	#7 175	# 8 16.5	# 9 155	# 10/45
Anode Output (Amps)		24 15	11	10	10	, i a
# 1 4.6 # 2 4. 1 # 3 4.9	# 4 <b>5.1</b> # 5 3	17 # 6 5.0	<sup>+</sup> # 7 5.5	1= 8 4.9	# 9 5.0	# 10 4.2
Anode Depth # 11  # 12  # 13	# 14  # 15	# 16	≠ 17	i # 18	1 1# 19	! # 20
Anode Output (Amps)	<u>* 14</u>			+ 10		+ 20
# 11 # 12 # 13	#14 ¦#15	# 16	# 17	# 18	# 19	# 20
Total Circuit Resistance	1	No. 8 C.P. C	able Used		No. 2 C.P. Cat	ole Used
Volts 12.08 Amps 23.4	Ohms .5/					
It to all -	L. A.n	11 1-A-	10. A a	nai al	IN PUC	1
Remarks: Malle Ellal	evar 12	) Inda	llest 3	20 ap	1 1-00	/
Aren't bibo, batt	and DOO'	perfor	tiol.	1 C BAL	per to	4-
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<i>A</i> .						
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						•·····
G £	4094.0	0				·
Rectifier Size: 40 V 16	669.00	2				
Addn'l Depth	- - int Ci	<b>¬</b> √		All Construc	tion Complete	d
Depth Credit: 185 (2) 3.50	- 647.50	$\overline{\mathbf{x}}$	$\Lambda$			
Extra Cable: 2:30 29	- 154.00	> ✓	Cal	The H	odna	$\bigcirc$
Ditch & 1 Cable: <u>220' 0 .70</u>			Luci		nature)	
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10' Stub Pole: 10 138.50	138.50			pit		i hao
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- quactor 109 -	IL PO AM			<b>&gt;</b>		· · · · · ·
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.Tak	234.71		/			· ·
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D. Crass DRILLING CO.

Drill No. 3

DRILLER'S WELL LOG

s P. No. Sheets # 4 Date 8-24-88 Client Meridian Oil Co. Prospect County SAN JUAN State New Mex.

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

and direction moved:

FROM	TO	FORMATION - COLOR - HARDNESS
0	40	SANdstone
40	50	Shale
50	60	Spredstore
60	80	Shale
80		SAND -
•	110	SANdstone
	255	Shale
	320	SANd
		P
		Bron Lime
		Make
Remarks:	WAt	er@ 90' 4 300'

Driller RONNic Brown

		ATA SHE				م مر سر تارین		د اور در میرد. مرکز میرورد ا	
COMPANY 1	NEPIDIAN	Du-		JCB N	- 13	100-		8/23	/8
		FC, NO. 4 DH	<u> </u>	JCB N			ATE	_//	
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		311 mar. 9 4			-				
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GROUNDBED RESISTANCE, (1) VOLTS 12.08 - AMPS 23.4 - 131 OHMA

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GENERAL CATHODIC PROTECTION SERVICES CO.

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GENERAL CATHODIC PROTECTION SERVICES CO.

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30-045-28647

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

ODERATOR Meridian Oil INC LOCATION: Unit L Sec. 28 TWD 31 Rng 09 Name of Well/Wells.or Pipeline Serviced SHEETS #18 Elevation 6/83 Completion Date 10/28/93 Total Depth 455 Land Type F Casing Strings, Sizes, Types & Depths 10/27 Set 59'0f8"PVC CASING. NO GAS, WATER, OF Boulders Were. ENCOUNTERED DURING CASING. If Casing Strings are cemented, show amounts & types used CemenTea WITH 14 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. water at 90 feet (Clase Depths gas encountered: None Ground bed depth with type & amount of coke breeze used: 455' ...,  $H_1$ Asbury 218 R coke breeze Depths anodes placed: 440, 415, 405, 380, 370, 360 350 340 165, 155 145, 135, 125, 114, 109 Depths vent pipes placed: 455 Vent pipe perforations: Bottom 370 JAN 3 11994 Remarks: OIL CON. DIV. VISI. 31

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.

OCD. 3/10/2023	8:59:183M-045-108	28	
τ		-	
I		ROUND BED CATHOD WESTERN NEW MEXIC pies to OCD Azteo	20
Operator	TENNECO	Location:	Unit <u>SW</u> Sec. <u>29</u> Twp <u>3</u>
Name of W	ell/Wells or Pipeline	Serviced RIDDLE	C_#3
	,,,,,, _		cps
If Casing	is cemented, show amo	ounts & types use	ed <u>N/A</u>
·	is cemented, show amo or Bentonite Plugs ha		
If Cement		ave been placed,	show depths & amou
If Cement <u>N/A</u> Depths & t	or Bentonite Plugs ha	ave been placed, nes with descript	show depths & amou
If Cement <u>N/A</u> Depths & t Fresh, Cle	or Bentonite Plugs hat thickness of water zon ear, Salty, Sulphur, H	ave been placed, nes with descript	show depths & amou tion of water when <b>DECEIVE</b> MAY 31 1991
If Cement <u>N/A</u> Depths & t Fresh, Cle Depths gas	or Bentonite Plugs ha	ave been placed, nes with descript Etc. <u>120'</u>	show depths & amou ion of water when <b>DECEIVE</b>
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If Cement <u>N/A</u> Depths & t Fresh, Cle Depths gas Type & amo Depths and	or Bentonite Plugs hat thickness of water zon ear, Salty, Sulphur, M s encountered: <u>N/A</u> ount of coke breeze us	ave been placed, nes with descript Etc. <u>120'</u> sed: <u>N/A</u> . 285', 265', 255',	show depths & amou tion of water when <b>DECEIVE</b> MAY31 1991 OIL CON. DN DIST. 3
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If any of the above data is unavailable, please indicate so. Copies of all logs, including Drillers Log, Water Analyses & Well Bore Schematics should be submitted when available. Unplugged abandoned wells are to be included.

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

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Received by OCD: 3/10/2025 8:59:18 AM Page 93 of 165 "El Paso Natural Gas Company WELL CASING Form 7-238 (Rev. 1-69) CATHODIC PROTECTION CONSTRUCTION REPORT L095 DAILY LOG 7-10-74 Completion Date Drilling Log (Attach Hereto). Ju 29-31-9 CPS No. Well N C Type & Size Bit Used 6314 Work Orde 319 52 No. Sacks Mud Used Anode Hole Dept Total Drilling Rig Time Total Lbs. Coke Used Lost Circulation Mat<sup>\*</sup>l Used 440 Anode Depth # 3285 # 4265 \* 6 Z 4 5 # 7 Z 3 S # 8 ZZ S # 5255 # 9 215 # 10205 345 (00) Anode Output (Amps) # 3 Z. 8 # 4*3*. 4 # 64.6 #74.3 # 10 3.2 # 2 Z·3 # 54.0 # 9 40 i= 8 **3. 7** Ζ. # 1 Anode Depth # 17 # 20 #11 # 13 # 16 ≉ 18 # 19 # 12 # 14 # 15 Anode Output (Amps) # 17 # 11 # 12 # 13 # 14 # 15 # 16 # 18 # 19 # 20 No. 2 C.P. Cable Used No. 8 C.P. Cable Used Total Circuit Resistance . 8 2 Amps / S. S Ohms Volts in rection, Oriller Soid Ne 5 to 11 **Remarks:** 120 350 ertorated ----Surface Coke 10 All Construction Completed 60 (Signature, GROU D BED LAYOUT SKETCH オスルリア st & Surfree Cable 3 N 3

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	C ST	DRM WATER WELL DRILL	ING INC. >	
DIAMOND CORE DRILL		CONTRACTORS 14991 W. 44TH AVENUE	··· · · · · · · · · · · · · · · · · ·	GENERAL OPFICE
GROUTING FOUNDATION TESTING MINING	na sheri kulo di baya na	GOLDEN; COLORADO 80401 PHONE (303) 278-9505	n i sma ch'arrainn nam i shi ci .	CALL 1-00-000
QUARRYING Bhaft Sinking Water Well Drilling		<b>u</b>		
	_			
$\frac{\text{Drill}  \underline{\text{G}}  \underline{\text{D}} - \\ \text{Owner}  \underline{\text{C}}  \underline{\text{C}}  \underline{\text{R}}.$	15		Date	7-10-74-
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Received by OCD: 3/10/2025 8:59:18 AM

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DATA SHEET FOR DEEP GROUND BED CATHODIC NORTHWESTERN NEW MEXIC (Submit 3 copies to OCD Aztec Of	CO
Operator <u>EPFS</u> Location: Unit <u>B</u> Sec Name of Well/Wells or Pipeline Serviced <u>Riddle C COM 8</u>	. <u>29</u> Twp <u>31</u> Rng <u>9</u> MTA # 92/3
Elevation <u>6260</u> Completion Date <u>6-9-97</u> Total Depth <u>400</u> Casing, Sizes, Types & Depths $8^{2}8^{-1}$ (N.S., 40'	
If Casing is cemented, show amounts & types used <u>5 Bags</u> Ziff	Typeler
If Cement or Bentonite Plugs have been placed, show depths & amounts used	I
Depths & thickness of water zones with description of water when possible: Fresh, Clear, Salty, Sulphur, Etc. <u>Water O.135-140-</u>	REGEIVE N DET 1 4 1997
Depths gas encountered:	OIL CON. DIV.
Type & amount of coke breeze used: 4010300 Sul-	Professional game
Depths anodes placed:	
Depths vent pipes placed:	
Vent pipe perforations:	
Remarks: Orill with our function Jestion Office	rrel-

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

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

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# Received by OCD: 3/10/2025 8:59:18 AM

THE LOFTIS COMPANY

DEEP WELL GROUNDBED DATA	DATE June 9, 1997
COMPANY EPFS/Amoco	COUNTY <u>san juan</u> STATE <u>NM</u>
CONTRACT NO. FC-96-1000	UNIT NO
LOCATION <u>Riddle "C" com #8</u>	# 97578
GROUNDBED: DEPTH 400 FT., DI	A. 7 <u>7/8</u> IN., Anodes <u>(15)2 x 60 sha-2</u>
CASING: SIZE 8 IN., DE	РТН <u>40</u> Гт.

Дертн Гт.	DRILLER'S LOG	Resis Ohms	TIVITY Amps	Anode Number	Depth To Anode Top	Before Coke	AFTER Coke
5	Casing						<u> </u>
10	11						
15	11						
20	11						<u> </u>
25	11						<u> </u>
30		·					<u> </u>
35	11		<u> </u>		· · · · · · · · · · · · · · · · · · ·		<u> </u>
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I.

COMPANY EPFS/Amoco

DATE \_\_\_\_\_\_\_ June 9, 1997

LOCATION \_\_\_\_\_\_ Riddle "C" COM #8

UNIT NO. <u>92136</u>

Дертн Ет	DRILLER'S LOG	RESISTIVITY OHMS AMPS	Anode Number	Depth To Anode Top	Before Coke	After Coke
245	Sand	0.9	2	347	1.3	6.0
245 250	17	0.8			1	1
255 260	F9	0.8	1	355	1.3	5.8
260	11	0.9				
265	n	0.6				
270		0.5				
275		0.4		1	<u> </u>	
280	11 	0.5			4	4
285		0.4		L	1	
290	10	0.3				
295 300	11	0.9	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	,	
305	Shale	1.0	<u> </u>			
310		<u> </u>				
315	1	1.3			+	
320		1.5	<del> </del>		+	+
325	11	1.4	1			
330	U U	1.6	1	1	1	1
1 335	11	1.5	· · · · ·		+	
340 345 350 355 360	11	1.4				1
345	11	1.3		1		1
350	10	1.2				
355	37	1.3				
360	11	1.1				
365 370	Sand & Shale	0.8				
<u> </u>	11	0.6		· · ·		
375	11	0.7	ļ			<u> </u>
380 385 390 395	11	0.6			·	
285	11	0.6	<u> </u>	1		
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400	Sand & Shale				· · · · · · · · · · · · · · · · · · ·	
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### APPENDIX C

Executed C-138 Solid Waste Acceptance Form Received by OCD: 3/10/2025 8:59:18 AM

1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 <u>District III</u> 1000 Rio Brazos Road, Aztec, NM 87410 <u>District IV</u> 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

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

Page 100 of 165

Form C-138 Revised 08/01/11

REQUEST FOR APPROVAL TO ACCEPT SO	OLID WASTE
1. Generator Name and Address: Enterprise Field Services, LLC, 614 Reilly Ave, Farmington NM 87401	PayKey:RB21200 PM: Gary Turner AFE: N74526
2. Originating Site: Sunray G#2C	
3. Location of Material (Street Address, City, State or ULSTR): UL P Section 21 T31N R9W; 36.878552, -107.779348	
<ul> <li>Source and Description of Waste:</li> <li>Source: Remediation activities associated with a natural gas pipeline leak.</li> <li>Description: Hydrocerbon/Condensate impacted soil associated natural gas pipeline release.</li> <li>Estimated Volume 50 yd<sup>3</sup> / bbls Known Volume (to be entered by the operator at the end of the entered by the oper</li></ul>	
5. GENERATOR CERTIFICATION STATEMENT OF WAS	TE STATUS
I, Thomas Long I, Thomas Long Generator Signature certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Env regulatory determination, the above described waste is: (Check the appropriate classification)	
RCRA Exempt: Oil field wastes generated from oil and gas exploration and production exempt waste. <u>Operator Use Only: Waste Acceptance Frequency</u> Monthly	n operations and are not mixed with non- Veekly Per Load
□ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardou subpart D, as amended. The following documentation is attached to demonstrate the above the appropriate items)	is waste as defined in 40 CFR, part 261,
🗆 MSDS Information 🔲 RCRA Hazardous Waste Analysis 📄 Process Knowledge 📋	Other (Provide description in Box 4)
GENERATOR 19.15.36.15 WASTE TESTING CERTIFICATION STATEME	ENT FOR LANDFARMS
I, Thomas Long B-30-2024, representative for Enterprise Products Operating author Generator Signature the required testing/sign the Generator Waste Testing Certification.	izes <u>Envirotech, Inc.</u> to complete
I, <u>Grey</u> <u>Crawbra</u> , representative for <u>Envirotech</u> , Inc. representative samples of the oil field waste have been subjected to the paint filter test and teste have been found to conform to the specific requirements applicable to landfarms pursuant to Se of the representative samples are attached to demonstrate the above-described waste conform to 19.15.36 NMAC.	d for chloride content and that the samples ection 15 of 19.15.36 NMAC. The results
5. Transporter: TBD OCD Parmitted Surface Weste Management Facility	
OCD Permitted Surface Waste Management Facility Name and Facility Permit #: Envirotech Inc. Soil Remediation Facility * Permit #: NM Address of Facility: Hilltop, NM Method of Treatment and/or Disposal: Evaporation Injection Treating Plant Landfarm La	
	Must Be Maintained As Permanent Record)
PRINT NAME: Grag Construction SIGNATURE: Surface Waste Management Facility Authorized Agent TITLE: Enviro Management Facility Authorized Agent TELEPHONE NO.: 505-632	DATE:



### APPENDIX D

# **Photographic Documentation**

Released to Imaging: 6/9/2025 2:24:02 PM





Photograph 4

Photograph 5

**Closure Report** Enterprise Field Services, LLC Sunray G #2C (09/17/24) Ensolum Project No. 05A1226333







#### APPENDIX E

# **Regulatory Correspondence**

Released to Imaging: 6/9/2025 2:24:02 PM

From:	Kyle Summers
To:	Landon Daniell
Subject:	FW: [EXTERNAL] Sunray G#2C - UL P Section 21 T31N R9W; 36.878552, -107.779348; NMOCD Incident # nAPP2426152565
Date:	Wednesday, September 18, 2024 9:00:00 AM
Attachments:	Outlook-pdg3wpre.png
	image002.png
	image003.png
	image004.png
	image005.png



Kyle Summers Principal 903-821-5603 Ensolum, LLC in f

From: Long, Thomas <tjlong@eprod.com>
Sent: Wednesday, September 18, 2024 8:59 AM
To: Kyle Summers <ksummers@ensolum.com>
Subject: FW: [EXTERNAL] Sunray G#2C - UL P Section 21 T31N R9W; 36.878552, -107.779348; NMOCD Incident # nAPP2426152565

[ \*\*EXTERNAL EMAIL\*\*]

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



From: Velez, Nelson, EMNRD <<u>Nelson.Velez@emnrd.nm.gov</u>>
Sent: Tuesday, September 17, 2024 2:40 PM
To: Long, Thomas <<u>tilong@eprod.com</u>>
Cc: Stone, Brian <<u>bmstone@eprod.com</u>>
Subject: Re: [EXTERNAL] Sunray G#2C - UL P Section 21 T31N R9W; 36.878552, -107.779348;

NMOCD Incident # nAPP2426152565

[Use caution with links/attachments]

Good afternoon Tom,

Thank you for the notice. Your variance request specifically addressing 19.15.29.12D (1a) NMAC is approved.

If an OCD representative is not on-site on the date &/or time given, please sample per 19.15.29 NMAC or from an OCD pre-approved sampling plan. For whatever reason, if the sampling timeframe is altered, please notify the OCD as soon as possible so we may adjust our schedule(s). Failure to notify the OCD of this change may result in the closure sample(s) not being accepted.

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

Regards,

Nelson Velez • Environmental Specialist - Adv Environmental Bureau | EMNRD - Oil Conservation Division 1000 Rio Brazos Road | Aztec, NM 87410 (505) 469-6146 | nelson.velez@emnrd.nm.gov http://www.emnrd.nm.gov/ocd\_



From: Long, Thomas <<u>tilong@eprod.com</u>>
Sent: Tuesday, September 17, 2024 2:38 PM
To: Velez, Nelson, EMNRD <<u>Nelson.Velez@emnrd.nm.gov</u>>
Cc: Stone, Brian <<u>bmstone@eprod.com</u>>
Subject: [EXTERNAL] Sunray G#2C - UL P Section 21 T31N R9W; 36.878552, -107.779348; NMOCD

Incident # nAPP2426152565

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

This email is a notification and a variance request. Enterprise is requesting a variance for required 48 hour notification per 19.15.29.12D (1a) NMAC. Enterprise would like to collect soil samples for laboratory analysis tomorrow, September 18, 2024 at 9:00 a.m. at the Sunray G#2C excavation. Please acknowledge acceptance of this variance request. If you have any questions, please call or email.

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



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

From:	OCDOnline@state.nm.us
То:	Long, Thomas
Subject:	[EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application ID: 419745
Date:	Monday, January 13, 2025 7:19:31 AM

[Use caution with links/attachments]

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

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2426152565.

The sampling event is expected to take place:

**When:** 01/15/2025 @ 09:00 **Where:** P-21-31N-09W 0 FNL 0 FEL (36.878552,-107.779348)

Additional Information: Ensolum, LLC

Additional Instructions: This is a backfill sampling event.

36.878552,-107.779348

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

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

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

**New Mexico Energy, Minerals and Natural Resources Department** 1220 South St. Francis Drive Santa Fe, NM 87505
From:	Velez, Nelson, EMNRD
To:	Long, Thomas
Cc:	Stone, Brian
Subject:	Re: [EXTERNAL] Sunray G#2C- UL P Section 21 T31N R9W; 36.878552,-107.779348; NMOCD Incident # nAPP2426152565
Date:	Tuesday, December 17, 2024 9:26:47 AM
Attachments:	Outlook-ub20q2y1.png

### [Use caution with links/attachments]

Good morning Tom,

Your 90-day time extension request is approved. Remediation Due date has been updated to March 17, 2025.

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

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

Regards,

Nelson Velez • Environmental Specialist - Adv
Environmental Bureau   EMNRD - Oil Conservation Division
1000 Rio Brazos Road   Aztec, NM 87410
(505) 469-6146   nelson.velez@emnrd.nm.gov
http://www.emnrd.nm.gov/ocd



From: Long, Thomas <tjlong@eprod.com>
Sent: Tuesday, December 17, 2024 8:47 AM
To: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Cc: Stone, Brian <bmstone@eprod.com>
Subject: [EXTERNAL] Sunray G#2C- UL P Section 21 T31N R9W; 36.878552,-107.779348; NMOCD
Incident # nAPP2426152565

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

Nelson,

This email is a variance request for the 90-day closure report requirement submittal for the Sunray G#2C- UL P Section 21 T31N R9W; 36.878552,-107.779348; NMOCD Incident # nAPP2426152565 release. The original due date for the closure report submittal is December 17, 2024. Enterprise requests time extension of an additional 90 days for a new submittal due date of March 17, 2025. The reason for the time extension request is that third party contractor preparing the report does not have all the disposal documentation from the land farm facility and Enterprise internal review is required. Please acknowledge acceptance of this request.

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

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



## APPENDIX F

## Table 1 – Soil Analytical Summary

Released to Imaging: 6/9/2025 2:24:02 PM

### **ENSOLUM**

						Sunray	G #2C (09/1 ALYTICAL SUI						
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 <sup>1</sup> (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH MRO (mg/kg)	Total Combined TPH (GRO/DRO/MRO) <sup>1</sup> (mg/kg)	Chloride (mg/kg)
	Depa Depa	neral & Natural F Irtment <i>r</i> ision Closure C ier I)		10	NE	NE	NE	50	NE	NE	NE	100	600
						Excavation C	omposite Soi	I Samples					
S-1	09.18.24	С	10	<0.019	<0.037	<0.037	<0.075	ND	<3.7	<9.9	<50	ND	<60
S-2	09.18.24	С	10	<0.019	<0.038	<0.038	<0.077	ND	<3.8	<10	<50	ND	<60
S-3	09.18.24	С	2 to 10	<0.021	<0.041	<0.041	<0.082	ND	<4.1	<9.7	<48	ND	<60
S-4	09.18.24	С	0 to 10	<0.020	<0.039	<0.039	<0.078	ND	<3.9	<9.8	<49	ND	<60
S-5	09.18.24	С	0 to 10	<0.020	<0.040	<0.040	<0.081	ND	<4.0	<9.3	<47	ND	<60
S-6	09.18.24	С	3 to 10	<0.034	<0.068	<0.068	0.40	0.40	13	<8.8	<44	13	<59
S-7	09.18.24	С	3 to 10	<0.021	<0.042	<0.042	<0.084	ND	<4.2	<9.9	<49	ND	<60
S-8	09.18.24	С	0 to 3	<0.023	<0.046	<0.046	0.33	0.33	7.4	<9.6	<48	7.4	<60
S-9	09.18.24	С	0 to 10	<0.021	<0.043	<0.043	0.094	0.094	<4.3	<9.9	<50	ND	<60
S-10	09.18.24	С	0 to 2	<0.024	<0.048	<0.048	0.32	0.32	5.6	<9.8	<49	5.6	<60
						Backfill Co	mposite Soil	Sample					
BF-1	01.15.25	С	BF	<0.018	<0.036	<0.036	<0.072	ND	<3.6	<9.6	<48	ND	<60

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

<sup>†</sup> = Total combined concentrations are rounded to two (2) significant figures to match the laboratory resolution of the individual constituents.

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

NE = Not established

mg/kg = milligrams per kilogram

BTEX = Benzene, Toluene, Ethylbenzene, and Xylenes

TPH = Total Petroleum Hydrocarbons

GRO = Gasoline Range Organics

DRO = Diesel Range Organics

MRO = Motor Oil/Lube Oil Range Organics

BF = Backfill Sample



## APPENDIX G

# Laboratory Data Sheets & Chain of Custody Documentation

Released to Imaging: 6/9/2025 2:24:02 PM

Received by OCD: 3/10/2025 8:59:18 AM



**Environment Testing** 

## **ANALYTICAL REPORT**

## PREPARED FOR

Attn: Kyle Summers Ensolum 606 S Rio Grande Suite A Aztec, New Mexico 87410 Generated 10/1/2024 9:29:32 AM

## **JOB DESCRIPTION**

Sunray G#2 C (8/27/24)

## **JOB NUMBER**

885-12104-1

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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

Authorized for release by John Caldwell, Project Manager john.caldwell@et.eurofinsus.com (505)345-3975 Generated 10/1/2024 9:29:32 AM

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

Page 116 of 165

## **Table of Contents**

1
3
4
5
6
16
19
22
26
27
28

MQL

NC

ND

NEG

POS

PQL

PRES

QC RER

RL

RPD

TEF

TEQ

TNTC

Method Quantitation Limit

Practical Quantitation Limit

Relative Error Ratio (Radiochemistry)

Toxicity Equivalent Factor (Dioxin)

Too Numerous To Count

Toxicity Equivalent Quotient (Dioxin)

Reporting Limit or Requested Limit (Radiochemistry)

Relative Percent Difference, a measure of the relative difference between two points

Not Detected at the reporting limit (or MDL or EDL if shown)

Not Calculated

Negative / Absent

Positive / Present

Presumptive Quality Control

	Definitions/Glossary	
Client: Ensolur		
Project/Site: Sr	Sunray G#2 C (8/27/24)	
Qualifiers		- 3
GC VOA		
Qualifier	Qualifier Description	4
S1+	Surrogate recovery exceeds control limits, high biased.	
Glossary		5
Abbreviation	These commonly used abbreviations may or may not be present in this report.	6
¤	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	0
DER	Duplicate Error Ratio (normalized absolute difference)	0
Dil Fac	Dilution Factor	9
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	

## **Case Narrative**

Job ID: 885-12104-1

Client: Ensolum Project: Sunray G#2 C (8/27/24)

Page 118 of 165

### Job ID: 885-12104-1

#### **Eurofins Albuquerque**

#### Job Narrative 885-12104-1

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 9/19/2024 7:00 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 4.3°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**

No additional analytical or guality 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.

## **Client Sample Results**

5

Job ID: 885-12104-1

## Lab Sample ID: 885-12104-1 Matrix: Solid

Date Collected: 09/18/24 09:10 Date Received: 09/19/24 07:00

**Client Sample ID: S-1** 

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		3.7	mg/Kg		09/19/24 08:47	09/19/24 11:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		35 - 166			09/19/24 08:47	09/19/24 11:38	1
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.019	mg/Kg		09/19/24 08:47	09/19/24 11:38	1
Ethylbenzene	ND		0.037	mg/Kg		09/19/24 08:47	09/19/24 11:38	1
Toluene	ND		0.037	mg/Kg		09/19/24 08:47	09/19/24 11:38	1
Xylenes, Total	ND		0.075	mg/Kg		09/19/24 08:47	09/19/24 11:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		48 - 145			09/19/24 08:47	09/19/24 11:38	1
Method: SW846 8015M/D - Diese	l Range Organ	ics (DRO) (	GC)					
	· · ·	<mark>ics (DRO) (</mark> Qualifier	GC) RL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte	· · ·			<mark>Unit</mark> mg/Kg	D	Prepared	Analyzed	Dil Fac
Analyte Diesel Range Organics [C10-C28]	Result				<u>D</u>	<u> </u>		
Analyte Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40]	_ Result	Qualifier		mg/Kg	<u>D</u>	09/19/24 08:44	09/19/24 10:35	1
Analyte Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40] Surrogate	Result	Qualifier	<b>RL</b> 9.9 50	mg/Kg	<u> </u>	09/19/24 08:44 09/19/24 08:44	09/19/24 10:35 09/19/24 10:35	1 1 Dil Fac
Analyte Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40] Surrogate Di-n-octyl phthalate (Surr)	Result ND ND <b>%Recovery</b> 100	Qualifier	RL           9.9           50           Limits	mg/Kg	<u>D</u>	09/19/24 08:44 09/19/24 08:44 <b>Prepared</b>	09/19/24 10:35 09/19/24 10:35 <b>Analyzed</b>	1 1 Dil Fac
Method: SW846 8015M/D - Diese Analyte Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40] Surrogate Di-n-octyl phthalate (Surr) Method: EPA 300.0 - Anions, Ion Analyte	Result ND ND %Recovery 100 Chromatograp	Qualifier	RL           9.9           50           Limits	mg/Kg	<u>D</u>	09/19/24 08:44 09/19/24 08:44 <b>Prepared</b>	09/19/24 10:35 09/19/24 10:35 <b>Analyzed</b>	

## **Client Sample Results**

5

Job ID: 885-12104-1

## Lab Sample ID: 885-12104-2 Matrix: Solid

Date Collected: 09/18/24 09:20 Date Received: 09/19/24 07:00

**Client Sample ID: S-2** 

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		3.8	mg/Kg		09/19/24 08:47	09/19/24 12:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		35 - 166			09/19/24 08:47	09/19/24 12:00	1
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.019	mg/Kg		09/19/24 08:47	09/19/24 12:00	1
Ethylbenzene	ND		0.038	mg/Kg		09/19/24 08:47	09/19/24 12:00	1
Toluene	ND		0.038	mg/Kg		09/19/24 08:47	09/19/24 12:00	1
Xylenes, Total	ND		0.077	mg/Kg		09/19/24 08:47	09/19/24 12:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		48 - 145			09/19/24 08:47	09/19/24 12:00	1
Method: SW846 8015M/D - Diese	I Range Organ	ics (DRO) (	GC)					
	• •	<mark>ics (DRO) (</mark> Qualifier	GC) RL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte	• •			<mark>Unit</mark> mg/Kg	<u>D</u>	Prepared 09/19/24 08:44	Analyzed	Dil Fac
Analyte Diesel Range Organics [C10-C28]	Result				<u>D</u>	· · · · · · · · · · · · · · · · · · ·		Dil Fac
Analyte Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40]	_ ResultND	Qualifier	<b>RL</b> 10	mg/Kg	<u>D</u>	09/19/24 08:44	09/19/24 10:47	1
Analyte Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40] Surrogate	ResultND	Qualifier	RL           10           50	mg/Kg	<u> </u>	09/19/24 08:44 09/19/24 08:44	09/19/24 10:47 09/19/24 10:47	Dil Fac 1 1 Dil Fac
Method: SW846 8015M/D - Diese Analyte Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40] Surrogate Di-n-octyl phthalate (Surr) Method: EPA 300.0 - Anions, Ion	Result ND ND <b>%Recovery</b> 100	Qualifier	RL           10           50           Limits	mg/Kg	D	09/19/24 08:44 09/19/24 08:44 <b>Prepared</b>	09/19/24 10:47 09/19/24 10:47 <b>Analyzed</b>	1 1 Dil Fac
Analyte Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40] Surrogate Di-n-octyl phthalate (Surr)	Result ND ND <i>%Recovery</i> 100 Chromatograp	Qualifier	RL           10           50           Limits	mg/Kg	D	09/19/24 08:44 09/19/24 08:44 <b>Prepared</b>	09/19/24 10:47 09/19/24 10:47 <b>Analyzed</b>	1 1 Dil Fac

## **Client Sample Results**

Job ID: 885-12104-1

## Lab Sample ID: 885-12104-3 Matrix: Solid

Date Collected: 09/18/24 09:30 Date Received: 09/19/24 07:00

**Client Sample ID: S-3** 

Client: Ensolum

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.1	mg/Kg		09/19/24 08:47	09/19/24 12:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		35 - 166			09/19/24 08:47	09/19/24 12:22	1
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.021	mg/Kg		09/19/24 08:47	09/19/24 12:22	1
Ethylbenzene	ND		0.041	mg/Kg		09/19/24 08:47	09/19/24 12:22	1
Toluene	ND		0.041	mg/Kg		09/19/24 08:47	09/19/24 12:22	1
Xylenes, Total	ND		0.082	mg/Kg		09/19/24 08:47	09/19/24 12:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		48 - 145			09/19/24 08:47	09/19/24 12:22	1
Method: SW846 8015M/D - Diese	I Range Organ	ics (DRO) (	GC)					
	• •	<mark>ics (DRO) ((</mark> Qualifier	GC) RL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte	• •			<mark>Unit</mark> mg/Kg	D	Prepared 09/19/24 08:44	Analyzed 09/19/24 10:59	Dil Fac
Analyte Diesel Range Organics [C10-C28]	Result				<u>D</u>	<u> </u>		Dil Fac
Analyte Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40]	_ Result	Qualifier	<b>RL</b> 9.7	mg/Kg	<u>D</u>	09/19/24 08:44	09/19/24 10:59	
Analyte Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40] Surrogate	ResultND	Qualifier	<b>RL</b> 9.7 48	mg/Kg	<u> </u>	09/19/24 08:44 09/19/24 08:44	09/19/24 10:59 09/19/24 10:59	Dil Fac 1 1 Dil Fac
Analyte Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40] Surrogate Di-n-octyl phthalate (Surr)	Result ND ND <b>%Recovery</b> 102	Qualifier		mg/Kg	<u> </u>	09/19/24 08:44 09/19/24 08:44 <b>Prepared</b>	09/19/24 10:59 09/19/24 10:59 <b>Analyzed</b>	1 Dil Fac
Method: SW846 8015M/D - Diese Analyte Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40] Surrogate Di-n-octyl phthalate (Surr) Method: EPA 300.0 - Anions, Ion Analyte	Result ND ND KRecovery 102 Chromatograp	Qualifier		mg/Kg	<u>D</u>	09/19/24 08:44 09/19/24 08:44 <b>Prepared</b>	09/19/24 10:59 09/19/24 10:59 <b>Analyzed</b>	1 Dil Fac

## **Client Sample Results**

5

Job ID: 885-12104-1

## Lab Sample ID: 885-12104-4 Matrix: Solid

Date Collected: 09/18/24 09:40 Date Received: 09/19/24 07:00

**Client Sample ID: S-4** 

Client: Ensolum

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		3.9	mg/Kg		09/19/24 08:47	09/19/24 12:44	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		35 - 166			09/19/24 08:47	09/19/24 12:44	1
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.020	mg/Kg		09/19/24 08:47	09/19/24 12:44	1
Ethylbenzene	ND		0.039	mg/Kg		09/19/24 08:47	09/19/24 12:44	1
Toluene	ND		0.039	mg/Kg		09/19/24 08:47	09/19/24 12:44	1
Xylenes, Total	ND		0.078	mg/Kg		09/19/24 08:47	09/19/24 12:44	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		48 - 145			09/19/24 08:47	09/19/24 12:44	1
Method: SW846 8015M/D - Diese	l Range Organ	ics (DRO) (	GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		09/19/24 08:44	09/19/24 11:11	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		09/19/24 08:44	09/19/24 11:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
	% <b>Recovery</b> 97	Qualifier	Limits 62 - 134			Prepared 09/19/24 08:44	Analyzed 09/19/24 11:11	Dil Fac
Di-n-octyl phthalate (Surr)	97							
Surrogate Di-n-octyl phthalate (Surr) Method: EPA 300.0 - Anions, Ion Analyte	Ohromatograp			Unit	D			

#### Eurofins Albuquerque

## **Client Sample Results**

5

Job ID: 885-12104-1

## Lab Sample ID: 885-12104-5 Matrix: Solid

Date Collected: 09/18/24 09:50 Date Received: 09/19/24 07:00

**Client Sample ID: S-5** 

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.0	mg/Kg		09/19/24 08:47	09/19/24 13:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		35 - 166			09/19/24 08:47	09/19/24 13:05	1
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC)	)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.020	mg/Kg		09/19/24 08:47	09/19/24 13:05	1
Ethylbenzene	ND		0.040	mg/Kg		09/19/24 08:47	09/19/24 13:05	1
Toluene	ND		0.040	mg/Kg		09/19/24 08:47	09/19/24 13:05	1
Xylenes, Total	ND		0.081	mg/Kg		09/19/24 08:47	09/19/24 13:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		48 - 145			09/19/24 08:47	09/19/24 13:05	1
Method: SW846 8015M/D - Diese	l Range Organ	ics (DRO) (	GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.3	mg/Kg		09/19/24 08:44	09/19/24 11:23	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		09/19/24 08:44	09/19/24 11:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	100		62 - 134			09/19/24 08:44	09/19/24 11:23	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	ohy						
Method: EPA 300.0 - Anions, Ion Analyte		o <mark>hy</mark> Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

## **Client Sample Results**

Matrix: Solid

5

Job ID: 885-12104-1

## Lab Sample ID: 885-12104-6

Client Sample ID: S-6 Date Collected: 09/18/24 10:00 Date Received: 09/19/24 07:00

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 -	13		6.8	mg/Kg		09/19/24 10:26	09/19/24 13:27	2
C10]								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	207	S1+	35 - 166			09/19/24 10:26	09/19/24 13:27	2
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC)	)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.034	mg/Kg		09/19/24 10:26	09/19/24 13:27	2
Ethylbenzene	ND		0.068	mg/Kg		09/19/24 10:26	09/19/24 13:27	2
Toluene	ND		0.068	mg/Kg		09/19/24 10:26	09/19/24 13:27	2
Xylenes, Total	0.40		0.14	mg/Kg		09/19/24 10:26	09/19/24 13:27	2
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		48 - 145			09/19/24 10:26	09/19/24 13:27	2
Method: SW846 8015M/D - Diese	I Range Organ	ics (DRO) (	GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		8.8	mg/Kg		09/19/24 08:44	09/19/24 11:35	1
Motor Oil Range Organics [C28-C40]	ND		44	mg/Kg		09/19/24 08:44	09/19/24 11:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	102		62 - 134			09/19/24 08:44	09/19/24 11:35	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	ohy						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

## **Client Sample Results**

5

Job ID: 885-12104-1

## Lab Sample ID: 885-12104-7 Matrix: Solid

Date Collected: 09/18/24 10:10 Date Received: 09/19/24 07:00

**Client Sample ID: S-7** 

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.2	mg/Kg		09/19/24 10:26	09/19/24 13:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	104		35 - 166			09/19/24 10:26	09/19/24 13:48	1
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.021	mg/Kg		09/19/24 10:26	09/19/24 13:48	1
Ethylbenzene	ND		0.042	mg/Kg		09/19/24 10:26	09/19/24 13:48	1
Toluene	ND		0.042	mg/Kg		09/19/24 10:26	09/19/24 13:48	
Xylenes, Total	ND		0.084	mg/Kg		09/19/24 10:26	09/19/24 13:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	102		48 - 145			09/19/24 10:26	09/19/24 13:48	
		ice (DRO) ((	<b>3C</b> )					
Method: SW846 8015M/D - Diese	a Range Organ							
	• •	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte	• •			Unit mg/Kg	<u>D</u>	Prepared 09/19/24 08:44	Analyzed 09/19/24 11:47	Dil Fac
Analyte Diesel Range Organics [C10-C28]	Result				<u>D</u>	•		
Analyte Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40]	ResultND	Qualifier		mg/Kg	<u> </u>	09/19/24 08:44	09/19/24 11:47	· · ·
Analyte Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40] Surrogate	Result	Qualifier	<b>RL</b> 9.9 49	mg/Kg	<u> </u>	09/19/24 08:44 09/19/24 08:44	09/19/24 11:47 09/19/24 11:47	Dil Fa
Analyte Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40] Surrogate Di-n-octyl phthalate (Surr)	Result ND ND <b>%Recovery</b> 97	Qualifier	RL           9.9           49           Limits	mg/Kg	<u> </u>	09/19/24 08:44 09/19/24 08:44 <b>Prepared</b>	09/19/24 11:47 09/19/24 11:47 <b>Analyzed</b>	
Method: SW846 8015M/D - Diese Analyte Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40] Surrogate Di-n-octyl phthalate (Surr) Method: EPA 300.0 - Anions, Ion Analyte	Result ND ND %Recovery 97 Chromatograp	Qualifier	RL           9.9           49           Limits	mg/Kg	<u>D</u>	09/19/24 08:44 09/19/24 08:44 <b>Prepared</b>	09/19/24 11:47 09/19/24 11:47 <b>Analyzed</b>	Dil Fa

## **Client Sample Results**

5

Job ID: 885-12104-1

## Lab Sample ID: 885-12104-8 Matrix: Solid

Client Sample ID: S-8 Date Collected: 09/18/24 10:20 Date Received: 09/19/24 07:00

Client: Ensolum

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 -	7.4		4.6	mg/Kg		09/19/24 10:26	09/19/24 14:10	1
C10]								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	174	S1+	35 - 166			09/19/24 10:26	09/19/24 14:10	1
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC)	)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		09/19/24 10:26	09/19/24 14:10	1
Ethylbenzene	ND		0.046	mg/Kg		09/19/24 10:26	09/19/24 14:10	1
Toluene	ND		0.046	mg/Kg		09/19/24 10:26	09/19/24 14:10	1
Xylenes, Total	0.33		0.092	mg/Kg		09/19/24 10:26	09/19/24 14:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		48 - 145			09/19/24 10:26	09/19/24 14:10	1
Method: SW846 8015M/D - Diese	Range Organ	ics (DRO) (	GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6	mg/Kg		09/19/24 08:44	09/19/24 11:59	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		09/19/24 08:44	09/19/24 11:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	110		62 - 134			09/19/24 08:44	09/19/24 11:59	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	ohy						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		09/19/24 07:48	09/19/24 11:57	20

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## **Client Sample Results**

5

Job ID: 885-12104-1

## Lab Sample ID: 885-12104-9 Matrix: Solid

Date Collected: 09/18/24 10:30 Date Received: 09/19/24 07:00

**Client Sample ID: S-9** 

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.3	mg/Kg		09/19/24 10:26	09/19/24 14:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		35 - 166			09/19/24 10:26	09/19/24 14:32	1
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC)	)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.021	mg/Kg		09/19/24 10:26	09/19/24 14:32	1
Ethylbenzene	ND		0.043	mg/Kg		09/19/24 10:26	09/19/24 14:32	1
Toluene	ND		0.043	mg/Kg		09/19/24 10:26	09/19/24 14:32	1
Xylenes, Total	0.094		0.085	mg/Kg		09/19/24 10:26	09/19/24 14:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		48 - 145			09/19/24 10:26	09/19/24 14:32	1
Method: SW846 8015M/D - Diese	l Range Organ	ics (DRO) (	GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		09/19/24 08:44	09/19/24 12:11	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		09/19/24 08:44	09/19/24 12:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	105		62 - 134			09/19/24 08:44	09/19/24 12:11	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	ohy						
Method: EPA 300.0 - Anions, Ion Analyte		o <mark>hy</mark> Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

## **Client Sample Results**

5

Job ID: 885-12104-1

## Lab Sample ID: 885-12104-10 Matrix: Solid

Client Sample ID: S-10 Date Collected: 09/18/24 10:40 Date Received: 09/19/24 07:00

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 -	5.6		4.8	mg/Kg		09/19/24 10:26	09/19/24 14:54	1
C10]								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	148		35 - 166			09/19/24 10:26	09/19/24 14:54	1
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC)	)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		09/19/24 10:26	09/19/24 14:54	1
Ethylbenzene	ND		0.048	mg/Kg		09/19/24 10:26	09/19/24 14:54	1
Toluene	ND		0.048	mg/Kg		09/19/24 10:26	09/19/24 14:54	1
Xylenes, Total	0.32		0.096	mg/Kg		09/19/24 10:26	09/19/24 14:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		48 - 145			09/19/24 10:26	09/19/24 14:54	1
Method: SW846 8015M/D - Diese	l Range Organ	ics (DRO) (	GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		09/19/24 08:44	09/19/24 12:23	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		09/19/24 08:44	09/19/24 12:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	100		62 - 134			09/19/24 08:44	09/19/24 12:23	1
	Chromatogran	ohy						
Method: EPA 300.0 - Anions, Ion	omonutogrup							
Method: EPA 300.0 - Anions, Ion Analyte	• •	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

## **QC Sample Results**

Job ID: 885-12104-1

Client: Ensolum Project/Site: Sunray G#2 C (8/27/24)

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

Lab Sample ID: MB 885-12441/1	-A										Client Sa	mple ID: Met	hod	Blank
Matrix: Solid												Prep Type	: To	otal/NA
Analysis Batch: 12588												Prep Ba	tch:	12441
		ΜВ	MB											
Analyte	R	esult	Qualifier		RL		Unit		D	P	repared	Analyzed		Dil Fac
Gasoline Range Organics [C6 - C10]		ND			5.0		mg/Kg		_	09/1	8/24 08:48	09/19/24 10:33	3	1
		ΜВ	МВ											
Surrogata	% Boos			Limi	ita					D	repared	Analyzad		Dil Fac
Surrogate 4-Bromofluorobenzene (Surr)	%Reco	119	Quanner								8/24 08:48	Analyzed 09/19/24 10:3	3 –	Dii Fac
Lab Sample ID: LCS 885-12534/3	3-A								С	lient	Sample	D: Lab Contr		
Matrix: Solid												Prep Type		
Analysis Batch: 12588												Prep Ba	tch:	12534
	LCS	LCS												
Surrogate	%Recovery	Qua	lifier	Limits										
4-Bromofluorobenzene (Surr)	207			35 - 166										
Lab Sample ID: 885-12104-1 MS												Client Sam	ole I	D: S-1
Matrix: Solid												Prep Type		
Analysis Batch: 12588												Prep Ba		
Analysis Baten. 12000	Sample	Sam	ple	Spike		MS	MS					%Rec		12004
Analyte	Result		•	Added			Qualifier	Unit		D	%Rec	Limits		
Gasoline Range Organics [C6 -	ND			18.7		18.1		mg/Kg			97	70 - 130		
C10]								5. 5						
	MS	мs												
Surrogate	%Recovery		lifier	Limits										
4-Bromofluorobenzene (Surr)	208			35 - 166										
	_													D. 0.4
Lab Sample ID: 885-12104-1 MS	U											Client Sam		
Matrix: Solid												Prep Type		
Analysis Batch: 12588	Sample	Sam	nlo	Spike		MSD	MSD					Prep Ba %Rec	tcn:	12534 RPD
Analyte	Result			Added			Qualifier	Unit		D	%Rec		RPD	Limit
Gasoline Range Organics [C6 -	ND	Qua		18.7		18.1	Quaimer	mg/Kg		- <u>-</u>	97	70 - 130	0	20
C10]	ND			10.7		10.1		iiig/itg			57	10-100	0	20
	MSD	MSD	)											
Surrogate	%Recovery			Limits										
4-Bromofluorobenzene (Surr)	207			35 - 166										
lethod: 8021B - Volatile Org	ganic Co	mpo	ounds (C	GC)										
Lab Sample ID: MB 885-12441/1	^										Client Sa	mple ID: Met	hod	Blank
Matrix: Solid	<b>^</b>											Prep Type		
Analysis Batch: 12589												Prep Ba		
Analysis Datch. 12000		МВ	МВ									Перва	ten.	12771
Analyte	R		Qualifier		RL		Unit		D	P	repared	Analyzed		Dil Fac
Benzene		ND			0.025		mg/Kg		_		8/24 08:48	09/19/24 10:33	3	1
Ethylbenzene		ND			0.020		mg/Kg				3/24 00:40 3/24 08:48	09/19/24 10:33		1
Toluene		ND			0.050		mg/Kg				8/24 08:48	09/19/24 10:33		1
					0.000		iiig/iXy			0.071				
Xvlenes, Total		ND			0 10		ma/Ka			09/1	3/24 N8·48	09/19/24 10.3	3	1
Xylenes, Total		ND			0.10		mg/Kg			09/1	8/24 08:48	09/19/24 10:33	3	1
Xylenes, Total		ND MB	МВ		0.10		mg/Kg			09/1	8/24 08:48	09/19/24 10:33	3	1

 121
 48 - 145
 09/18/24 08:48
 09/19/24 10:33
 1

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4-Bromofluorobenzene (Surr)

## **QC Sample Results**

Client: Ensolum Project/Site: Sunray G#2 C (8/27/24)

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: LCS 885-12534/	3-A						Clie	nt Sample	ID: Lab Co		
Matrix: Solid										ype: To	
Analysis Batch: 12589										Batch:	12534
			Spike		LCS		_	~ -	%Rec		
Analyte			Added		Qualifier	Unit	[		Limits		
Benzene			1.00	1.04		mg/Kg		104	70 - 130		
Ethylbenzene			1.00	1.06		mg/Kg		106	70 - 130		
Toluene			1.00	1.05		mg/Kg		105	70 - 130		
Xylenes, Total			3.00	3.17		mg/Kg		106	70 - 130		
	LCS	LCS									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	111		48 - 145								
Lab Sample ID: 885-12104-2 MS									Client S	ample I	D: S-2
Matrix: Solid										Type: To	
Analysis Batch: 12589										Batch:	
Analysis Baten. 12005	Sample	Sample	Spike	MS	MS				%Rec	Baten.	1200-
Analyte	Result	•	Added		Qualifier	Unit		) %Rec	Limits		
Benzene	ND		0.768	0.774		mg/Kg		101	70 - 130		
Ethylbenzene	ND		0.768	0.789		mg/Kg		103	70 - 130		
Toluene	ND		0.768	0.785		mg/Kg		102	70 - 130		
Xylenes, Total	ND		2.30	2.36		mg/Kg		102	70 - 130		
			2.00	2.00					101100		
Surrogate	MS %Recovery	MS Qualifier	Limits								
4-Bromofluorobenzene (Surr)	103	quamer	48 - 145								
Lab Sample ID: 885-12104-2 MS Matrix: Solid Analysis Batch: 12589									Prep	ample I Type: To Batch:	tal/NA 12534
	-	Sample	Spike	MSD	MSD		_		%Rec		RPD
Analyte		Qualifier	Added		Qualifier	Unit	[		Limits	RPD	Limi
Benzene	ND		0.768	0.776		mg/Kg		101	70 - 130	0	20
Ethylbenzene	ND		0.768	0.781		mg/Kg		102	70 - 130	1	20
Toluene	ND		0.768	0.776		mg/Kg		101	70 - 130	1	20
Xylenes, Total	ND		2.30	2.32		mg/Kg		100	70 - 130	1	20
		MSD									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	102		48 - 145								
lethod: 8015M/D - Diesel R	ange Org	anics (DRC	D) (GC)								
Lab Sample ID: MB 885-12532/1	- <b>A</b>							Client S	ample ID:	Method	Blank
Matrix: Solid										уре: То	
Analysis Batch: 12539										Batch:	
		MB MB									
Analyte	R	esult Qualifier		RL	Unit		D	Prepared	Analyz	ed	Dil Fac
Diesel Bange Organics [C10-C28]				10		'a		)/19/24 08·44	09/19/24		1

Diesel Range Organics [C10-C28]	ND		10	mg/Kg	09/19/24 08:44	09/19/24 10:11	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg	09/19/24 08:44	09/19/24 10:11	1
	MB	MB					
Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	97		62 - 134		09/19/24 08:44	09/19/24 10:11	1

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5 6

Job ID: 885-12104-1

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## **QC Sample Results**

Client: Ensolum Project/Site: Sunray G#2 C (8/27/24) Job ID: 885-12104-1

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

Lab Sample ID: LCS 885-12532	/ <b>2-A</b>						Client	t Sample	ID: Lab C		
Matrix: Solid									Prep 1	Г <mark>уре: То</mark>	tal/NA
Analysis Batch: 12539									Prep	Batch:	12532
			Spike	LCS	LCS				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Diesel Range Organics			50.0	54.5		mg/Kg		109	60 - 135		
[C10-C28]											
	LCS	LCS									
Surrogate	%Recovery	Qualifier	Limits								
Di-n-octyl phthalate (Surr)	105		62 - 134								
Lab Sample ID: 885-12104-10 N	IS								Client Sa	mple ID	): S-10
Matrix: Solid									Prep 1	Г <mark>уре: То</mark>	tal/NA
Analysis Batch: 12539									Prep	Batch:	12532
	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Diesel Range Organics	ND		49.2	46.2		mg/Kg		94	44 - 136		
[C10-C28]											
	MS	MS									
Surrogate	%Recovery	Qualifier	Limits								
Di-n-octyl phthalate (Surr)	100		62 - 134								
Lab Sample ID: 885-12104-10 N	ISD								Client Sa	mple ID	): S-10
Matrix: Solid									Prep 1	Г <mark>уре: То</mark>	tal/NA
Analysis Batch: 12539									Prep	Batch:	12532
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Diesel Range Organics	ND		49.9	45.8		mg/Kg		92	44 - 136	1	32
[C10-C28]											
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
Di-n-octyl phthalate (Surr)	108		62 - 134								

#### Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-12524/1-A Matrix: Solid Analysis Batch: 12575	мв	МВ							Client \$	Sample ID: Metho Prep Type: Prep Batc	Total/NA
Analyte		Qualifier		RL		Unit		D	Prepared	Analyzed	Dil Fac
Chloride	ND			3.0		mg/k	ζg	0	9/19/24 07:4	8 09/19/24 08:04	1
Lab Sample ID: LCS 885-12524/2-A								Clie	nt Sample	e ID: Lab Control	Sample
Matrix: Solid										Prep Type:	Total/NA
Analysis Batch: 12575										Prep Batc	h: 12524
			Spike		LCS	LCS				%Rec	
Analyte			Added	F	Result	Qualifier	Unit	I	D %Rec	Limits	
Chloride			30.0		31.2		mg/Kg		104	90 - 110	

Page 131 of 165

## **QC Association Summary**

Client: Ensolum Project/Site: Sunray G#2 C (8/27/24)

#### **GC VOA**

### Prep Batch: 12441

	Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
l	MB 885-12441/1-A	Method Blank	Total/NA	Solid	5035	

#### Prep Batch: 12534

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12104-1	S-1	Total/NA	Solid	5035	
885-12104-2	S-2	Total/NA	Solid	5035	
885-12104-3	S-3	Total/NA	Solid	5035	
885-12104-4	S-4	Total/NA	Solid	5035	
885-12104-5	S-5	Total/NA	Solid	5035	
885-12104-6	S-6	Total/NA	Solid	5035	
885-12104-7	S-7	Total/NA	Solid	5035	
885-12104-8	S-8	Total/NA	Solid	5035	
885-12104-9	S-9	Total/NA	Solid	5035	
885-12104-10	S-10	Total/NA	Solid	5035	
LCS 885-12534/3-A	Lab Control Sample	Total/NA	Solid	5035	
885-12104-1 MS	S-1	Total/NA	Solid	5035	
885-12104-1 MSD	S-1	Total/NA	Solid	5035	
885-12104-2 MS	S-2	Total/NA	Solid	5035	
885-12104-2 MSD	S-2	Total/NA	Solid	5035	

#### Analysis Batch: 12588

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
885-12104-1	S-1	Total/NA	Solid	8015M/D	12534
885-12104-2	S-2	Total/NA	Solid	8015M/D	12534
885-12104-3	S-3	Total/NA	Solid	8015M/D	12534
885-12104-4	S-4	Total/NA	Solid	8015M/D	12534
885-12104-5	S-5	Total/NA	Solid	8015M/D	12534
885-12104-6	S-6	Total/NA	Solid	8015M/D	12534
885-12104-7	S-7	Total/NA	Solid	8015M/D	12534
885-12104-8	S-8	Total/NA	Solid	8015M/D	12534
885-12104-9	S-9	Total/NA	Solid	8015M/D	12534
885-12104-10	S-10	Total/NA	Solid	8015M/D	12534
MB 885-12441/1-A	Method Blank	Total/NA	Solid	8015M/D	12441
LCS 885-12534/3-A	Lab Control Sample	Total/NA	Solid	8015M/D	12534
885-12104-1 MS	S-1	Total/NA	Solid	8015M/D	12534
885-12104-1 MSD	S-1	Total/NA	Solid	8015M/D	12534

#### Analysis Batch: 12589

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
885-12104-1	S-1	Total/NA	Solid	8021B	12534
885-12104-2	S-2	Total/NA	Solid	8021B	12534
885-12104-3	S-3	Total/NA	Solid	8021B	12534
885-12104-4	S-4	Total/NA	Solid	8021B	12534
885-12104-5	S-5	Total/NA	Solid	8021B	12534
885-12104-6	S-6	Total/NA	Solid	8021B	12534
885-12104-7	S-7	Total/NA	Solid	8021B	12534
885-12104-8	S-8	Total/NA	Solid	8021B	12534
885-12104-9	S-9	Total/NA	Solid	8021B	12534
885-12104-10	S-10	Total/NA	Solid	8021B	12534
MB 885-12441/1-A	Method Blank	Total/NA	Solid	8021B	12441
LCS 885-12534/3-A	Lab Control Sample	Total/NA	Solid	8021B	12534

#### **Eurofins Albuquerque**

Job ID: 885-12104-1

## **QC** Association Summary

Client: Ensolum Project/Site: Sunray G#2 C (8/27/24)

### GC VOA (Continued)

### Analysis Batch: 12589 (Continued)

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch	
885-12104-2 MS	S-2	Total/NA	Solid	8021B	12534	
885-12104-2 MSD	S-2	Total/NA	Solid	8021B	12534	

### GC Semi VOA

#### Prep Batch: 12532

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
885-12104-1	S-1	Total/NA	Solid	SHAKE	
885-12104-2	S-2	Total/NA	Solid	SHAKE	
885-12104-3	S-3	Total/NA	Solid	SHAKE	
885-12104-4	S-4	Total/NA	Solid	SHAKE	
885-12104-5	S-5	Total/NA	Solid	SHAKE	
885-12104-6	S-6	Total/NA	Solid	SHAKE	
885-12104-7	S-7	Total/NA	Solid	SHAKE	
885-12104-8	S-8	Total/NA	Solid	SHAKE	
885-12104-9	S-9	Total/NA	Solid	SHAKE	
885-12104-10	S-10	Total/NA	Solid	SHAKE	
MB 885-12532/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-12532/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
885-12104-10 MS	S-10	Total/NA	Solid	SHAKE	
885-12104-10 MSD	S-10	Total/NA	Solid	SHAKE	

#### Analysis Batch: 12539

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12104-1	S-1	Total/NA	Solid	8015M/D	12532
885-12104-2	S-2	Total/NA	Solid	8015M/D	12532
885-12104-3	S-3	Total/NA	Solid	8015M/D	12532
885-12104-4	S-4	Total/NA	Solid	8015M/D	12532
885-12104-5	S-5	Total/NA	Solid	8015M/D	12532
885-12104-6	S-6	Total/NA	Solid	8015M/D	12532
885-12104-7	S-7	Total/NA	Solid	8015M/D	12532
885-12104-8	S-8	Total/NA	Solid	8015M/D	12532
885-12104-9	S-9	Total/NA	Solid	8015M/D	12532
885-12104-10	S-10	Total/NA	Solid	8015M/D	12532
MB 885-12532/1-A	Method Blank	Total/NA	Solid	8015M/D	12532
LCS 885-12532/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	12532
885-12104-10 MS	S-10	Total/NA	Solid	8015M/D	12532
885-12104-10 MSD	S-10	Total/NA	Solid	8015M/D	12532

### HPLC/IC

#### Prep Batch: 12524

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
885-12104-1	S-1	Total/NA	Solid	300_Prep	
885-12104-2	S-2	Total/NA	Solid	300_Prep	
885-12104-3	S-3	Total/NA	Solid	300_Prep	
885-12104-4	S-4	Total/NA	Solid	300_Prep	
885-12104-5	S-5	Total/NA	Solid	300_Prep	
885-12104-6	S-6	Total/NA	Solid	300_Prep	
885-12104-7	S-7	Total/NA	Solid	300_Prep	
885-12104-8	S-8	Total/NA	Solid	300_Prep	
885-12104-9	S-9	Total/NA	Solid	300_Prep	

#### **Eurofins Albuquerque**

Job ID: 885-12104-1

## **QC Association Summary**

Client: Ensolum Project/Site: Sunray G#2 C (8/27/24)

### HPLC/IC (Continued)

### Prep Batch: 12524 (Continued)

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
885-12104-10	S-10	Total/NA	Solid	300_Prep	
MB 885-12524/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-12524/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

#### Analysis Batch: 12575

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
885-12104-1	S-1	Total/NA	Solid	300.0	12524
885-12104-2	S-2	Total/NA	Solid	300.0	12524
885-12104-3	S-3	Total/NA	Solid	300.0	12524
885-12104-4	S-4	Total/NA	Solid	300.0	12524
885-12104-5	S-5	Total/NA	Solid	300.0	12524
885-12104-6	S-6	Total/NA	Solid	300.0	12524
885-12104-7	S-7	Total/NA	Solid	300.0	12524
885-12104-8	S-8	Total/NA	Solid	300.0	12524
885-12104-9	S-9	Total/NA	Solid	300.0	12524
885-12104-10	S-10	Total/NA	Solid	300.0	12524
MB 885-12524/1-A	Method Blank	Total/NA	Solid	300.0	12524
LCS 885-12524/2-A	Lab Control Sample	Total/NA	Solid	300.0	12524

Eurofins Albuquerque

Page 134 of 165

Job ID: 885-12104-1

Job ID: 885-12104-1

### Lab Sample ID: 885-12104-1 Matrix: Solid

Date Collected: 09/18/24 09:10 Date Received: 09/19/24 07:00

**Client Sample ID: S-1** 

Client: Ensolum

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5035			12534	AT	EET ALB	09/19/24 08:47
Total/NA	Analysis	8015M/D		1	12588	AT	EET ALB	09/19/24 11:38
Total/NA	Prep	5035			12534	AT	EET ALB	09/19/24 08:47
Total/NA	Analysis	8021B		1	12589	AT	EET ALB	09/19/24 11:38
Total/NA	Prep	SHAKE			12532	KR	EET ALB	09/19/24 08:44
Total/NA	Analysis	8015M/D		1	12539	KR	EET ALB	09/19/24 10:35
Total/NA	Prep	300_Prep			12524	JT	EET ALB	09/19/24 07:48
Total/NA	Analysis	300.0		20	12575	JT	EET ALB	09/19/24 10:01

## Lab Sample ID: 885-12104-2

Lab Sample ID: 885-12104-3

Lab Sample ID: 885-12104-4

Matrix: Solid

Matrix: Solid

## **Client Sample ID: S-2**

Date Collected: 09/18/24 09:20 Date Received: 09/19/24 07:00

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5035			12534	AT	EET ALB	09/19/24 08:47
Total/NA	Analysis	8015M/D		1	12588	AT	EET ALB	09/19/24 12:00
Total/NA	Prep	5035			12534	AT	EET ALB	09/19/24 08:47
Total/NA	Analysis	8021B		1	12589	AT	EET ALB	09/19/24 12:00
Total/NA	Prep	SHAKE			12532	KR	EET ALB	09/19/24 08:44
Total/NA	Analysis	8015M/D		1	12539	KR	EET ALB	09/19/24 10:47
Total/NA	Prep	300_Prep			12524	JT	EET ALB	09/19/24 07:48
Total/NA	Analysis	300.0		20	12575	JT	EET ALB	09/19/24 10:14

#### **Client Sample ID: S-3** Date Collected: 09/18/24 09:30

#### Date Received: 09/19/24 07:00

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5035			12534	AT	EET ALB	09/19/24 08:47
Total/NA	Analysis	8015M/D		1	12588	AT	EET ALB	09/19/24 12:22
Total/NA	Prep	5035			12534	AT	EET ALB	09/19/24 08:47
Total/NA	Analysis	8021B		1	12589	AT	EET ALB	09/19/24 12:22
Total/NA	Prep	SHAKE			12532	KR	EET ALB	09/19/24 08:44
Total/NA	Analysis	8015M/D		1	12539	KR	EET ALB	09/19/24 10:59
Total/NA	Prep	300_Prep			12524	JT	EET ALB	09/19/24 07:48
Total/NA	Analysis	300.0		20	12575	JT	EET ALB	09/19/24 10:52

#### **Client Sample ID: S-4** Date Collected: 09/18/24 09:40

### Date Received: 09/19/24 07:00

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5035			12534	AT	EET ALB	09/19/24 08:47
Total/NA	Analysis	8015M/D		1	12588	AT	EET ALB	09/19/24 12:44

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5

8

Matrix: Solid

Job ID: 885-12104-1

### Lab Sample ID: 885-12104-4 Matrix: Solid

Lab Sample ID: 885-12104-5

Date Collected: 09/18/24 09:40 Date Received: 09/19/24 07:00

**Client Sample ID: S-4** 

Client: Ensolum

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5035			12534	AT	EET ALB	09/19/24 08:47
Total/NA	Analysis	8021B		1	12589	AT	EET ALB	09/19/24 12:44
Total/NA	Prep	SHAKE			12532	KR	EET ALB	09/19/24 08:44
Total/NA	Analysis	8015M/D		1	12539	KR	EET ALB	09/19/24 11:11
Total/NA	Prep	300_Prep			12524	JT	EET ALB	09/19/24 07:48
Total/NA	Analysis	300.0		20	12575	JT	EET ALB	09/19/24 11:05

### **Client Sample ID: S-5** Date Collected: 09/18/24 09:50

## Date Received: 09/19/24 07:00

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5035			12534	AT	EET ALB	09/19/24 08:47
Total/NA	Analysis	8015M/D		1	12588	AT	EET ALB	09/19/24 13:05
Total/NA	Prep	5035			12534	AT	EET ALB	09/19/24 08:47
Total/NA	Analysis	8021B		1	12589	AT	EET ALB	09/19/24 13:05
Total/NA	Prep	SHAKE			12532	KR	EET ALB	09/19/24 08:44
Total/NA	Analysis	8015M/D		1	12539	KR	EET ALB	09/19/24 11:23
Total/NA	Prep	300_Prep			12524	JT	EET ALB	09/19/24 07:48
Total/NA	Analysis	300.0		20	12575	JT	EET ALB	09/19/24 11:18

## **Client Sample ID: S-6** Date Collected: 09/18/24 10:00

Date Received: 09/19/24 07:00

Lab	Sample	ID:	8	85	-1	12	104	4-6
							_	

Lab Sample ID: 885-12104-7

Matrix: Solid

Matrix: Solid

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5035			12534	AT	EET ALB	09/19/24 10:26
Total/NA	Analysis	8015M/D		2	12588	AT	EET ALB	09/19/24 13:27
Total/NA	Prep	5035			12534	AT	EET ALB	09/19/24 10:26
Total/NA	Analysis	8021B		2	12589	AT	EET ALB	09/19/24 13:27
Total/NA	Prep	SHAKE			12532	KR	EET ALB	09/19/24 08:44
Total/NA	Analysis	8015M/D		1	12539	KR	EET ALB	09/19/24 11:35
Total/NA	Prep	300_Prep			12524	JT	EET ALB	09/19/24 07:48
Total/NA	Analysis	300.0		20	12575	JT	EET ALB	09/19/24 11:31

#### Client Sample ID: S-7 Date Collected: 09/18/24 10:10 Date Received: 09/19/24 07:00

_	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5035			12534	AT	EET ALB	09/19/24 10:26
Total/NA	Analysis	8015M/D		1	12588	AT	EET ALB	09/19/24 13:48
Total/NA	Prep	5035			12534	AT	EET ALB	09/19/24 10:26
Total/NA	Analysis	8021B		1	12589	AT	EET ALB	09/19/24 13:48

**Eurofins Albuquerque** 

8

Matrix: Solid

Matrix: Solid

Job ID: 885-12104-1

## Project/Site: Sunray G#2 C (8/27/24)

#### **Client Sample ID: S-7** Date Collected: 09/18/24 10:10

Client: Ensolum

Date Received: 09/19/24 07:00

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	SHAKE			12532	KR	EET ALB	09/19/24 08:44
Total/NA	Analysis	8015M/D		1	12539	KR	EET ALB	09/19/24 11:47
Total/NA	Prep	300_Prep			12524	JT	EET ALB	09/19/24 07:48
Total/NA	Analysis	300.0		20	12575	JT	EET ALB	09/19/24 11:44

#### **Client Sample ID: S-8** Date Collected: 09/18/24 10:20 Date Received: 09/19/24 07:00

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5035			12534	AT	EET ALB	09/19/24 10:26
Total/NA	Analysis	8015M/D		1	12588	AT	EET ALB	09/19/24 14:10
Total/NA	Prep	5035			12534	AT	EET ALB	09/19/24 10:26
Total/NA	Analysis	8021B		1	12589	AT	EET ALB	09/19/24 14:10
Total/NA	Prep	SHAKE			12532	KR	EET ALB	09/19/24 08:44
Fotal/NA	Analysis	8015M/D		1	12539	KR	EET ALB	09/19/24 11:59
Total/NA	Prep	300_Prep			12524	JT	EET ALB	09/19/24 07:48
otal/NA	Analysis	300.0		20	12575	JT	EET ALB	09/19/24 11:57

#### **Client Sample ID: S-9** Date Collected: 09/18/24 10:30 Date Received: 09/19/24 07:00

Batch Batch Dilution Batch Prepared or Analyzed Prep Type Туре Method Run Factor Number Analyst Lab Total/NA 5035 12534 AT EET ALB 09/19/24 10:26 Prep Total/NA Analysis 8015M/D 12588 AT EET ALB 09/19/24 14:32 1 Total/NA 5035 EET ALB 09/19/24 10:26 Prep 12534 AT 09/19/24 14:32 Total/NA 8021B EET ALB Analysis 1 12589 AT Total/NA SHAKE EET ALB 09/19/24 08:44 Prep 12532 KR 12539 KR Total/NA 8015M/D EET ALB 09/19/24 12:11 Analysis 1 Total/NA 300 Prep 12524 JT EET ALB 09/19/24 07:48 Prep Total/NA 300.0 20 EET ALB 09/19/24 12:09 Analysis 12575 JT

#### Client Sample ID: S-10 Date Collected: 09/18/24 10:40

Date Received: 09/19/24 07:00

_	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5035			12534	AT	EET ALB	09/19/24 10:26
Total/NA	Analysis	8015M/D		1	12588	AT	EET ALB	09/19/24 14:54
Total/NA	Prep	5035			12534	AT	EET ALB	09/19/24 10:26
Total/NA	Analysis	8021B		1	12589	AT	EET ALB	09/19/24 14:54
Total/NA	Prep	SHAKE			12532	KR	EET ALB	09/19/24 08:44
Total/NA	Analysis	8015M/D		1	12539	KR	EET ALB	09/19/24 12:23

## Matrix: Solid

Lab Sample ID: 885-12104-10

Lab Sample ID: 885-12104-9

Lab Sample ID: 885-12104-8

**Eurofins Albuquerque** 

8

Matrix: Solid

### Lab Chronicle

Job ID: 885-12104-1

## Project/Site: Sunray G#2 C (8/27/24)

#### **Client Sample ID: S-10** Date Collected: 09/18/24 10:40 Date Received: 09/19/24 07:00

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	300_Prep			12524	JT	EET ALB	09/19/24 07:48
Total/NA	Analysis	300.0		20	12575	JT	EET ALB	09/19/24 12:22

#### Laboratory References:

Client: Ensolum

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

**Eurofins Albuquerque** 

Lab Sample ID: 885-12104-10 Matrix: Solid 5 6 7 8 9 10

Job ID: 885-12104-1

## Accreditation/Certification Summary

Client: Ensolum	
Project/Site: Sunray G#2 C (8/27/24)	

Laboratory: Eurofins Albuquerque

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	NM100001	02-26-25

Delegand to Transient 6/0/202	Client:	Ens	olur	S. Rio Grande, SuiteA 87410	Turn-Around Time: Standard Rush 1007 Day Project Name: Sun ray G#2 C (08/27/24) Project #: SEENOTES Project Manager:								HALL ENVIRONM ANALYSIS LABOT www.hallenvironmental.com Hawkins NE - Albuquerque, NM 871 885-12104 coc 505-345-3975 Fax 505-345-4107 Analysis Request							ю			
7.74.07 DM	email or QA/QC F Stan Accredit NEL/ EDD	r Fax#:   Package: dard tation: AC (Type)_	sum	Level 4 (Full Validation)  mpliance	Proje Sam On I # of Cool	ect Mana pler: ce: Coolers: er Temp ainer	Ager:	nun Dai	<u>vers</u> <u>No</u> chucky <u>4-0.1: 4.3 (°C)</u>	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	CI., F., Br, NO <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>4</sub> -	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)				
Page 27 of 28	9(18/24	910 920 930 940 940 950 1000 1000 1000 1000 1020 1020 1020 10	5 5 5 5 5 5 5 5 5	$     \begin{array}{r}       Sample Name \\       S-1 \\       S-2 \\       S-2 \\       S-3 \\       S-4 \\       S-5 \\       S-5 \\       S-5 \\       S-6 \\       S-7 \\       S-8 \\       S-9 \\       S-10 \\     \end{array} $				•	1 2 3 4 5 6 7 8 9 9 9 9	$\blacksquare \land \land$	X X X X X X X X X X X X X X X X X X X	×				XX X X X X X X X X							
10/1/2024	Date: 7/1924 IHU Pate: Time: Belinquished by: 7/18/24 ITH Belinquished by: 7/18/24 ITH Muthubaeteu If necessary, samples submitted to Hall Environmental may be					ved by: ved by: ed to other a			Date Time 9/18/24 Date Time <b>7:00</b> <b>9/19/24</b> res. This serves as notice of this		nark:							-ov		the an	alytica	report.	+

### Login Sample Receipt Checklist

Client: Ensolum

#### Login Number: 12104 List Number: 1 Creator: Casarrubias, Tracy

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	

True

Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").

11

## Job Number: 885-12104-1

List Source: Eurofins Albuquerque

Received by OCD: 3/10/2025 8:59:18 AM



**Environment Testing** 

# ANALYTICAL REPORT

## PREPARED FOR

Attn: Kyle Summers Ensolum 606 S Rio Grande Suite A Aztec, New Mexico 87410 Generated 1/22/2025 3:50:18 PM

## JOB DESCRIPTION

Sunray G #2C

## **JOB NUMBER**

885-18481-1

Eurofins Albuquerque 4901 Hawkins NE Albuquerque NM 87109



Page 142 of 165

See page two for job notes and contact information.

## **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

Authorized for release by John Caldwell, Project Manager john.caldwell@et.eurofinsus.com (505)345-3975 Generated 1/22/2025 3:50:18 PM

Laboratory Job ID: 885-18481-1

## **Table of Contents**

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	6
QC Sample Results	7
QC Association Summary	10
Lab Chronicle	12
Certification Summary	13
Chain of Custody	14
Receipt Checklists	15
Percent Recovery

**Contains Free Liquid** 

Colony Forming Unit

**Dilution Factor** 

Contains No Free Liquid

Detection Limit (DoD/DOE)

Estimated Detection Limit (Dioxin)

Toxicity Equivalent Quotient (Dioxin)

Too Numerous To Count

Limit of Detection (DoD/DOE) Limit of Quantitation (DoD/DOE)

Duplicate Error Ratio (normalized absolute difference)

Decision Level Concentration (Radiochemistry)

EPA recommended "Maximum Contaminant Level"

# **Definitions/Glossary**

Client: Ensolum Project/Site: Sunray G #2C

Glossary Abbreviation

÷Ö

%R

CFL

CFU

CNF

DER

DLC

EDL

LOD

LOQ MCL

MDL

MQL NC

ND

NEG

POS

PQL

QC RER

RL

RPD

TEF

TEQ

TNTC

ML

Dil Fac DL

DL, RA, RE, IN

Job ID: 885-18481-1	1
Jod ID: 885-18481-1	
	3
	5
	8
	Q

MDA Minimum Detectable Activity (Radiochemistry) MDC Minimum Detectable Concentration (Radiochemistry) Method Detection Limit Minimum Level (Dioxin) MPN Most Probable Number Method Quantitation Limit Not Calculated Not Detected at the reporting limit (or MDL or EDL if shown) Negative / Absent Positive / Present Practical Quantitation Limit PRES Presumptive Quality Control Relative Error Ratio (Radiochemistry) Reporting Limit or Requested Limit (Radiochemistry) Relative Percent Difference, a measure of the relative difference between two points Toxicity Equivalent Factor (Dioxin)

Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

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

**Eurofins Albuquerque** 

# **Case Narrative**

Job ID: 885-18481-1

Client: Ensolum Project: Sunray G #2C

## Job ID: 885-18481-1

### **Eurofins Albuquerque**

Page 146 of 165

### Job Narrative 885-18481-1

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 1/16/2025 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 -2.2°C.

### **Gasoline Range Organics**

Method 8015D\_GRO: Surrogate 4-Bromofluorobenzene recovery for the following samples were outside control limits: (LCS 885-19406/2-A), (885-18480-A-1-A) and (885-18480-A-1-B MS). Evidence of matrix interference is present; therefore, reextraction and/or re-analysis was not performed.

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

### GC VOA

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

### **Diesel Range Organics**

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.

# **Client Sample Results**

Matrix: Solid

5

Job ID: 885-18481-1

Lab Sample ID: 885-18481-1

# Project/Site: Sunray G #2C

Client: Ensolum

# Client Sample ID: BF-1 Date Collected: 01/15/25 09:00

Date Received: 01/16/25 07:10

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		3.6	mg/Kg		01/16/25 08:27	01/16/25 12:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		35 - 166			01/16/25 08:27	01/16/25 12:19	1
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC)	l.					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.018	mg/Kg		01/16/25 08:27	01/16/25 12:19	1
Ethylbenzene	ND		0.036	mg/Kg		01/16/25 08:27	01/16/25 12:19	1
Toluene	ND		0.036	mg/Kg		01/16/25 08:27	01/16/25 12:19	1
Xylenes, Total	ND		0.072	mg/Kg		01/16/25 08:27	01/16/25 12:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		48 - 145			01/16/25 08:27	01/16/25 12:19	1
Method: SW846 8015M/D - Diese	Range Organ	ics (DRO) (	GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6	mg/Kg		01/16/25 08:40	01/16/25 11:46	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		01/16/25 08:40	01/16/25 11:46	1
	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Surrogate	% <b>Recovery</b> 98	Qualifier	Limits 62 - 134			Prepared 01/16/25 08:40	Analyzed 01/16/25 11:46	Dil Fac
Surrogate Di-n-octyl phthalate (Surr)	98					<u> </u>	-	Dil Fac
Surrogate Di-n-octyl phthalate (Surr) Method: EPA 300.0 - Anions, Ion Analyte	98 Chromatograp			Unit	D	<u> </u>	-	Dil Fac

# **QC Sample Results**

Prepared

01/16/25 08:27

Page 148 of 165

Job ID: 885-18481-1

Client: Ensolum Project/Site: Sunray G #2C

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

Lab Sample ID: MB 885-19406/1	-A								Client Sa	mple ID: Metho	d Blank
Matrix: Solid										Prep Type: 7	Fotal/N/
Analysis Batch: 19407										Prep Batcl	n: <b>1940</b>
	Μ	B MB									
Analyte	Resu	It Qualifier	R	L	Unit		D	P	repared	Analyzed	Dil Fa
Gasoline Range Organics [C6 - C10]	N	D	5.	0	mg/Kg	9		01/1	6/25 08:27	01/16/25 10:43	
	M	B MB									
Surrogate	%Recover	y Qualifier	Limits					P	repared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	9	8	35 - 166	_				01/1	6/25 08:27	01/16/25 10:43	
Lab Sample ID: LCS 885-19406/	2-A						C	lient	Sample	ID: Lab Control	Sampl
Matrix: Solid										Prep Type: <sup>-</sup>	
Analysis Batch: 19407										Prep Batcl	n: <mark>1940</mark>
			Spike	LCS	LCS					%Rec	
Analyte			Added	Result	Qualifier	Unit		D	%Rec	Limits	
Gasoline Range Organics [C6 - C10]			25.0	22.3		mg/Kg			89	70 - 130	
	LCS LC	s									
Surrogate	%Recovery Qu	ıalifier	Limits								
4-Bromofluorobenzene (Surr)	195		35 - 166								
lethod: 8021B - Volatile Org	ganic Comp	ounds (C	GC)								
Lab Sample ID: MB 885-19406/1	-A								Client Sa	mple ID: Metho	d Blan
Matrix: Solid										Prep Type:	Fotal/N
Analysis Batch: 19408										Prep Batcl	n: <b>1940</b>
	М	в мв									
Analyte	Resu	It Qualifier	R	L	Unit		D	P	repared	Analyzed	Dil Fa
Benzene	N	D	0.02	5	mg/Kg	g	_	01/1	6/25 08:27	01/16/25 10:43	
Ethylbenzene	N	D	0.05	D	mg/Ko	g		01/1	6/25 08:27	01/16/25 10:43	
Toluene	N	D	0.05	D	mg/Kg	g		01/1	6/25 08:27	01/16/25 10:43	
									6/25 08:27	01/16/25 10:43	

	МВ	МВ	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		48 - 145

## Lab Sample ID: LCS 885-19406/3-A Matrix: Solid

### Analysis Batch: 19408

Analysis Batch: 19408							Prep Batch: 1940		
	Spike	LCS	LCS				%Rec		
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Benzene	1.00	1.09		mg/Kg		109	70 - 130		
Ethylbenzene	1.00	1.10		mg/Kg		110	70 - 130		
Toluene	1.00	1.10		mg/Kg		110	70 - 130		
Xylenes, Total	3.00	3.24		mg/Kg		108	70 - 130		
1	CS LCS								

	203	203	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		48 - 145

**Eurofins Albuquerque** 

Dil Fac

1

Analyzed

01/16/25 10:43

Prep Type: Total/NA

Client Sample ID: Lab Control Sample

Lab Sample ID: 885-18481-1 MS

# **QC Sample Results**

MS MS

0.726

0.739

0.747

2.19

Result Qualifier

Unit

mg/Kg

mg/Kg

mg/Kg

mg/Kg

D

%Rec

101

103

104

102

Spike

Added

0.718

0.718

0.718

2.15

Limits

48 - 145

Analysis Batch: 19408

4-Bromofluorobenzene (Surr)

Analysis Batch: 19408

Lab Sample ID: 885-18481-1 MSD

Matrix: Solid

Analyte

Benzene

Toluene

Ethylbenzene

Xylenes, Total

Surrogate

Matrix: Solid

Sample Sample

ND

ND

ND

ND

109

%Recovery

MS MS

Qualifier

Result Qualifier

Job ID: 885-18481-1

**Client Sample ID: BF-1** 

%Rec

Limits

70 - 130

70 - 130

70 - 130

70 - 130

Prep Type: Total/NA

Prep Batch: 19406

Client Sample ID: BF-
Prep Type: Total/N/
Prep Batch: 1940

Prep Type: T	otal/NA
Prep Batch	: 19406
%Rec	RPD

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	ND		0.718	0.713		mg/Kg		99	70 - 130	2	20
Ethylbenzene	ND		0.718	0.739		mg/Kg		103	70 - 130	0	20
Toluene	ND		0.718	0.727		mg/Kg		101	70 - 130	3	20
Xylenes, Total	ND		2.15	2.20		mg/Kg		102	70 - 130	0	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		48 - 145

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

Lab Sample ID: MB 885-19409/1-A Matrix: Solid Analysis Batch: 19335											Client Sa	mple ID: Mo Prep Tyj Prep B	pe: To	
			МВ											
Analyte	Re	sult	Qualifier	I	RL	U	Init		D	P	repared	Analyzed	l	Dil Fac
Diesel Range Organics [C10-C28]		ND			10	n	ng/Kg	I		01/1	6/25 08:40	01/16/25 11:	:14	1
Motor Oil Range Organics [C28-C40]		ND			50	n	ng/Kg	l	(	01/1	6/25 08:40	01/16/25 11:	:14	1
		ΜВ	МВ											
Surrogate	%Recov	/ery	Qualifier	Limits						Р	repared	Analyzeo	1	Dil Fac
Di-n-octyl phthalate (Surr)		94		62 - 134	4					01/1	6/25 08:40	01/16/25 11	:14	1
Lab Sample ID: LCS 885-19409/2-/ Matrix: Solid	4								Cli	ent	Sample	D: Lab Con Prep Tyj		
Analysis Batch: 19335												Prep B	atch	: 19409
				Spike	LCS	LCS						%Rec		
Analyte				Added	Result	Qualifi	er	Unit		D	%Rec	Limits		
Diesel Range Organics				50.0	47.4			mg/Kg		_	95	60 - 135		
[C10-C28]														
	LCS	LCS												
Surrogate %	Recovery	Qual	ifier	Limits										
Di-n-octyl phthalate (Surr)	88			62 - 134										

# **QC Sample Results**

Client: Ensolum Project/Site: Sunray G #2C

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

Lab Sample ID: 885-18481-1 MS Matrix: Solid Analysis Batch: 19335									Prep	mple ID Type: To Batch:	tal/NA
		Sample	Spike	MS	MS		_	~· <b>-</b>	%Rec		
Analyte		Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Diesel Range Organics	ND		46.1	46.9		mg/Kg		102	44 - 136		
[C10-C28]											
	MS	MS									
Surrogate %Re	ecovery	Qualifier	Limits								
Di-n-octyl phthalate (Surr)	97		62 - 134								
Lab Sample ID: 885-18481-1 MSD									Client Sa	mple ID	: BF-1
Matrix: Solid									Prep 1	ype: To	tal/NA
Analysis Batch: 19335										Batch:	
-	Sample	Sample	Spike	MSD	MSD				%Rec	Duton	RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Diesel Range Organics	ND		48.2	49.6		mg/Kg		103	44 - 136	6	32
[C10-C28]											
	MSD	MSD									
Surrogate %Re	ecovery	Qualifier	Limits								
Di-n-octyl phthalate (Surr)	97		62 - 134								

# Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MRL 885-19411/3								Clie	nt San	nple	<b>ID: Lab Control</b>	Sample
Matrix: Solid											Prep Type:	Total/NA
Analysis Batch: 19411												
			Spike		MRL	MRL					%Rec	
Analyte			Added	R	esult	Qualifier	Unit	6	%R	ec	Limits	
Chloride			0.500	(	).529		mg/L		1	06	50 - 150	
									Clie	nt Sa	ample ID: Metho	d Blank
Matrix: Solid											Prep Type:	Total/NA
Analysis Batch: 19411											Prep Batc	h: <b>1941</b> 7
	MB	МВ										
Analyte	Result	Qualifier		RL		Unit		D	Prepar	ed	Analyzed	Dil Fac
Chloride	ND			1.5		mg/K	g	01	/16/25 (	09:58	01/16/25 10:46	1
								Clie	nt San	nple	ID: Lab Control	Sample
Matrix: Solid											Prep Type:	Total/NA
Analysis Batch: 19411											Prep Batc	h: <b>1941</b> 7
			Spike		LCS	LCS					%Rec	
Analyte			Added	R	esult	Qualifier	Unit		%R	ec	Limits	
Chloride			15.0		14.8		mg/Kg			98	90 - 110	

5 6 7

1/22/2025

# **QC Association Summary**

Client: Ensolum Project/Site: Sunray G #2C Job ID: 885-18481-1

al/NA	Solid	8015M/D	19406	9
al/NA	Solid	8015M/D	19406	
al/NA	Solid	8015M/D	19406	10
				11
р Туре	Matrix	Method	Prep Batch	
al/NA	Solid	8021B	19406	
al/NA	Solid	8021B	19406	

### GC Semi VOA

### Analysis Batch: 19335

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
885-18481-1	BF-1	Total/NA	Solid	8015M/D	19409
MB 885-19409/1-A	Method Blank	Total/NA	Solid	8015M/D	19409
LCS 885-19409/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	19409
885-18481-1 MS	BF-1	Total/NA	Solid	8015M/D	19409
885-18481-1 MSD	BF-1	Total/NA	Solid	8015M/D	19409

### Prep Batch: 19409

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-18481-1	BF-1	Total/NA	Solid	SHAKE	
MB 885-19409/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-19409/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
885-18481-1 MS	BF-1	Total/NA	Solid	SHAKE	
885-18481-1 MSD	BF-1	Total/NA	Solid	SHAKE	

### HPLC/IC

### Analysis Batch: 19411

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
885-18481-1	BF-1	Total/NA	Solid	300.0	1941
MB 885-19417/1-A	Method Blank	Total/NA	Solid	300.0	1941
LCS 885-19417/2-A	Lab Control Sample	Total/NA	Solid	300.0	1941
MRL 885-19411/3	Lab Control Sample	Total/NA	Solid	300.0	
Prep Batch: 19417					
Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batc
885-18481-1	BF-1	Total/NA	Solid	300_Prep	

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# **GC VOA**

# Prep Batch: 19406

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-18481-1	BF-1	Total/NA	Solid	5035	
MB 885-19406/1-A	Method Blank	Total/NA	Solid	5035	
LCS 885-19406/2-A	Lab Control Sample	Total/NA	Solid	5035	
LCS 885-19406/3-A	Lab Control Sample	Total/NA	Solid	5035	
885-18481-1 MS	BF-1	Total/NA	Solid	5035	
885-18481-1 MSD	BF-1	Total/NA	Solid	5035	
Analysis Batch: 19407	7				
Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
885-18481-1	BF-1	Total/NA	Solid	8015M/D	19406
MB 885-19406/1-A	Method Blank	Total/NA	Solid	8015M/D	19406
LCS 885-19406/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	19406
Analysis Batch: 19408	3				
Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
885-18481-1	BF-1	Total/NA	Solid	8021B	19406
MB 885-19406/1-A	Method Blank	Total/NA	Solid	8021B	19406
LCS 885-19406/3-A	Lab Control Sample	Total/NA	Solid	8021B	19406
885-18481-1 MS	BF-1	Total/NA	Solid	8021B	19406
885-18481-1 MSD	BF-1	Total/NA	Solid	8021B	19406

LCS 885-19417/2-A

5

# QC Association Summary Client: Ensolum Job ID: 885-18481-1 Project/Site: Sunray G #2C Job ID: 885-18481-1 HPLC/IC (Continued) Prep Batch: 19417 (Continued) Lab Sample ID Client Sample ID Prep Type Matrix Method Prep Batch:

Total/NA

Solid

300\_Prep

Eurofins Albuquerque

Lab Control Sample

Job ID: 885-18481-1

Matrix: Solid

Lab Sample ID: 885-18481-1

# Client: Ensolum Project/Site: Sunray G #2C

### Client Sample ID: BF-1 Date Collected: 01/15/25 09:00 Date Received: 01/16/25 07:10

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5035			19406	AT	EET ALB	01/16/25 08:27
Total/NA	Analysis	8015M/D		1	19407	JP	EET ALB	01/16/25 12:19
Total/NA	Prep	5035			19406	AT	EET ALB	01/16/25 08:27
Total/NA	Analysis	8021B		1	19408	JP	EET ALB	01/16/25 12:19
Total/NA	Prep	SHAKE			19409	EM	EET ALB	01/16/25 08:40
Total/NA	Analysis	8015M/D		1	19335	EM	EET ALB	01/16/25 11:46
Total/NA	Prep	300_Prep			19417	JT	EET ALB	01/16/25 09:58
Total/NA	Analysis	300.0		20	19411	JT	EET ALB	01/16/25 11:27

Laboratory References:

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

**Eurofins Albuquerque** 

Released to Imaging: 6/9/2025 2:24:02 PM

Job ID: 885-18481-1

# Accreditation/Certification Summary

Client: Ensolum
Project/Site: Sunray G #2C

Laboratory: Eurofins Albuquerque

The accreditations/certifications listed below are applicable to this report.

Authority Program Identification Number Expiration Date Oregon NELAP NM100001 02-25-25

**Eurofins Albuquerque** 

Client: Ensolum, LLC	Turn-Around Time: Standard Rush 100% Davy Project Name: Sunray G #2C Project #: SEE NOTES	HALL ENVIRONMENTAL ANALYSIS LABOR www.hallenvironmental.com 4901 Hawkins NE - Albuquerque, NM 8710 885-18481 coc Tel. 505-345-3975 Fax 505-345-4107 Analysis Request
email or Fax#:        Summer 5 G) Bassilum.com         QA/QC Package:       □ Level 4 (Full Validation)         Accreditation:       □ Az Compliance         □ NELAC       □ Other         □ EDD (Type)	Project Manager: K - Summer Sampler: L - Danie M On Ice: Pres D No # of Coolers: No # of Coolers: No Cooler Temp(including CF): -7.2-0 - 2.2 (°C) Container Preservative HEAL No.	BTEX / MTBE / TMB's (8021) TPH.8015D(GRO / DRO / MRO) 8081 Pesticides/8082 PCB's EDB (Method 504.1) PAHs by 8310 or 8270SIMS RCRA 8 Metals C) F, Br, NO <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>4</sub> C) F, Br, NO <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>4</sub> 2260 (VOA) 8260 (VOA) 8270 (Semi-VOA) Total Coliform (Present/Absent)
Date Time Matrix Sample Name	Type and # Type	
Date Z Fime: Relinquished by: 15/24 Date Time: Relinquished by. 15/25 15/25 15/25 16 necessary, samples submitted to Hall Environmental may be subo	Received by: Via: Date Time (UUUNICU 1/16/25 7.1/0	Remarks: Not Frozen yn v/16/25 Tom Long RBZ1200 N74526 s possibility Any sub-contracted data will be clearly notated on the analytical report.

11

Job Number: 885-18481-1

List Source: Eurofins Albuquerque

# Login Sample Receipt Checklist

Client: Ensolum

### Login Number: 18481 List Number: 1 Creator: Casarrubias, Tracy

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	Samples not Frozen
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	

True

Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").

Eurofins Albuquerque Released to Imaging: 6/9/2025 2:24:02 PM

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

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Page .	1.37	01 1	U.)
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QUESTIONS

Action 440617

QUESTIONS		
Operator:	OGRID:	
Enterprise Field Services, LLC	241602	
PO Box 4324	Action Number:	
Houston, TX 77210	440617	
	Action Type:	
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)	

### QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2426152565
Incident Name	NAPP2426152565 SUNRAY G#2C @ 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	SUNRAY G#2C
Date Release Discovered	09/17/2024
Surface Owner	Federal

### Incident Details

ase 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: Corrosion   Pipeline (Any)   Condensate   Released: 5 BBL   Recovered: 0 BBL   Lost: 5 BBL.
Natural Gas Vented (Mcf) Details	Cause: Corrosion   Pipeline (Any)   Natural Gas Vented   Released: 50 MCF   Recovered: 0 MCF   Lost: 50 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.

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

Page 158 of 165

QUESTIONS, Page 2

Action 440617

QUESTIONS (continued)		
Operator:	OGRID:	
Enterprise Field Services, LLC	241602	
PO Box 4324	Action Number:	
Houston, TX 77210	440617	
	Action Type:	
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)	

QUESTIONS

Nature and Volume of Release (continued)		
Yes, according to supplied volumes this will be treated as a "gas only" report.		
No		
Unavailable.		
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.		

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	
	ation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of ted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of valuation 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: 09/25/2024	

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

Page 159 of 165

QUESTIONS, Page 3

Action 440617

QUESTIONS (continued)	
	OGRID:
s, LLC	241602

ſ	Operator:	OGRID:
	Enterprise Field Services, LLC	241602
	PO Box 4324	Action Number:
	Houston, TX 77210	440617
		Action Type:
		[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

### QUESTIONS

Site Characterization

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.

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	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release an	nd 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)	Between ½ and 1 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Between ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between ½ and 1 (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 1 and 100 (ft.)
Did the release impact areas not on an exploration, development, production, or storage site	No

### Remediation Plan

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.		
Requesting a remediation p	blan approval with this submission	Yes
Attach a comprehensive report der	nonstrating the lateral and vertical extents of soil contaminatio	on associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.
Have the lateral and vertica	extents of contamination been fully delineated	Yes
Was this release entirely co	ntained within a lined containment area	No
Soil Contamination Sampling	: (Provide the highest observable value for each, in m	illigrams per kilograms.)
Chloride	(EPA 300.0 or SM4500 CI B)	60
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	13
GRO+DRO	(EPA SW-846 Method 8015M)	13
BTEX	(EPA SW-846 Method 8021B or 8260B)	0.4
Benzene	(EPA SW-846 Method 8021B or 8260B)	0.1
	MAC unless the site characterization report includes complete elines for beginning and completing the remediation.	ed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC,
On what estimated date will the remediation commence		09/17/2024
On what date will (or did) the final sampling or liner inspection occur		01/15/2025
On what date will (or was) the remediation complete(d)		01/15/2025
What is the estimated surface area (in square feet) that will be reclaimed		528
What is the estimated volume (in cubic yards) that will be reclaimed		382
What is the estimated surface area (in square feet) that will be remediated		528
What is the estimated volume (in cubic yards) that will be remediated		382
		he time of submission and may (be) change(d) over time as more remediation efforts are completed.
		to the of approximation and may too change(a) over time to more remediation choice are completed.

diation. If the responsible party has any need to idju phys ing r significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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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

QUESTI	ONS (continued)	
Operator:	OGRID:	
Enterprise Field Services, LLC	241602	
PO Box 4324	Action Number:	
Houston, TX 77210	440617	
	Action Type:	
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)	
QUESTIONS		
Remediation Plan (continued)		
Please answer all the questions that apply or are indicated. This information must be provided to the		
This remediation will (or is expected to) utilize the following processes to remediate	/ reduce contaminants:	
(Select all answers below that apply.)		
(Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)	Yes	
Which OCD approved facility will be used for <b>off-site</b> disposal	ENVIROTECH LANDFARM #2 [fEEM0112336756]	
<b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal	Not answered.	
<b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state	Not answered.	
<b>OR</b> is the <b>off-site</b> 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.	
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed ef which includes the anticipated timelines for beginning and completing the remediation.	forts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC,	
to report and/or file certain release notifications and perform corrective actions for releat the OCD does not relieve the operator of liability should their operations have failed to a	knowledge and understand that pursuant to OCD rules and regulations all operators are required asses which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or	
I hereby agree and sign off to the above statement	Name: Thomas Long Title: Sr Field Environmental Scientist Email: tilong@eprod.com	

Date: 03/10/2025

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.

QUESTIONS, Page 4

Action 440617

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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, Page 5

Action 440617

QUESTIONS (continued)	
Operator:	OGRID:
Enterprise Field Services, LLC	241602
PO Box 4324	Action Number:
Houston, TX 77210	440617
	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	Νο

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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, Page 6

Page 162 of 165

Action 440617

QUESTIONS (continued)	
Operator:	OGRID:
Enterprise Field Services, LLC	241602
PO Box 4324	Action Number:
Houston, TX 77210	440617
	Action Type:
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

ampling Event Information	
Last sampling notification (C-141N) recorded	419745
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/15/2025
What was the (estimated) number of samples that were to be gathered	1
What was the sampling surface area in square feet	200

**Remediation Closure Request** 

ly answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.		
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	528	
What was the total volume (cubic yards) remediated	382	
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	528	
What was the total volume (in cubic yards) reclaimed	382	
Summarize any additional remediation activities not included by answers (above)	None	
	closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of	
to report and/or file certain release notifications and perform corrective actions for releat the OCD does not relieve the operator of liability should their operations have failed to water, human health or the environment. In addition, OCD acceptance of a C-141 report	knowledge and understand that pursuant to OCD rules and regulations all operators are required ases which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or ially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed ing notification to the OCD when reclamation and re-vegetation are complete.	
	Name: Thomas Long	

	Name: Thomas Long
I hereby agree and sign off to the above statement	Title: Sr Field Environmental Scientist
Thereby agree and sign on to the above statement	Email: tjlong@eprod.com
	Date: 03/10/2025

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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

Page 163 of 165

QUESTIONS, Page 7

Action 440617

QUESTIONS (continued)	
Operator:	OGRID:
Enterprise Field Services, LLC	241602
PO Box 4324	Action Number:
Houston, TX 77210	440617
	Action Type:
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

### QUESTIONS

Reclamation Report		
Only answer the questions in this group if all reclamation steps have been completed.		
Requesting a reclamation approval with this submission	Yes	
What was the total reclamation surface area (in square feet) for this site	528	
What was the total volume of replacement material (in cubic yards) for this site	382	
	four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 ver must include a top layer, which is either the background thickness of topsoil or one foot of suitable material	
Is the soil top layer complete and is it suitable material to establish vegetation	Yes	
On what (estimated) date will (or was) the reseeding commence(d)	07/01/2025	
Summarize any additional reclamation activities not included by answers (above)	None	
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 reseeding plans or relevant field notes, photographs of reclaimed area, and a narrative of the reclamation activities. Refer to 19.15.29.13 NMAC.		
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 require 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 b 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: 03/10/2025	

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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** (continued)

Operator:	OGRID:
Enterprise Field Services, LLC	241602
PO Box 4324	Action Number:
Houston, TX 77210	440617
	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

Page 164 of 165

Action 440617

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

CONDITIONS

Operator:	OGRID:
Enterprise Field Services, LLC	241602
PO Box 4324	Action Number:
Houston, TX 77210	440617
	Action Type:
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

### CONDITIONS

Created By	Condition	Condition Date
nvelez	None	6/9/2025

Page 165 of 165

Action 440617

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