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

State of New Mexico Energy Minerals and Natural Resources Department

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

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

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

			Respo	onsidie Party	Y			
Responsible	Party: Ente	rprise Field Serv	vices, LLC	OGRID: 2	41602			
Contact Nam	ne: Thomas	Long		Contact Te	lephone: 505-	599-2286		
Contact ema	il: tjlong@e j	prod.com		Incident # (assigned by OCD) nAPP2329746361				
Contact mail 87401	ing address:	614 Reilly Ave,	Farmington, NM	1				
			Location	of Release So	ource			
Latitude 36.4	19037		Longitude <u>-1</u>	107.894467	(NAD	83 in decimal degrees to 5 decimal places)		
Site Name Tr	unk 2C			Site Type N	Natural Gas C	Sathering Pipeline		
Date Release	Discovered	10/24/2023		Serial Num	ber (if applicable): N/A		
Unit Letter	Section	Township	Range	Coun	ty]		
Н	16	26N	10W	San J	uan	_		
Surface Owne	r: 🛭 State	Federal Tr	ibal Private (N	ame: SLO)		
				Volume of I				
Crude Oi				calculations or specific		e volumes provided below)		
Crude Oi	l	Volume Released	1 (ppis)		Volume Reco	overed (bbis)		
Produced	Water	Volume Released	d (bbls)		Volume Recovered (bbls)			
		Is the concentrat	ion of dissolved ch	loride in the	☐ Yes ☐ N	lo		

Cause of Release: On October 19, 2023, Enterprise had a release of natural gas and natural gas liquids from the Trunk 2C pipeline. The pipeline was isolated, depressurized, locked and tagged out. No fire nor injuries occurred. Minimal liquids were observed on the ground surface. Enterprise began the repairs and remediation on October 24, 2023, at which time Enterprise determined the release reportable per NMODC regulation due the volume of impacted subsurface soil. Remediation was completed on October 25, 2023. The final excavation dimensions measured approximately 32.5 feet long by 17 feet wide by 7 feet deep. Approximately 108 cubic yards of hydrocarbon impacted soil was excavated and transported to a New Mexico Oil Conservation Division (NMOCD) approved land farm. A third party closure report is included with this "Final" C-141.

Volume Recovered (bbls): None

Volume Recovered (Mcf): None

Volume/Weight Recovered (provide units)

produced water >10,000 mg/l?

Volume Released (Mcf): 23.1 MCF

Volume/Weight Released (provide units):

Volume Released (bbls): Estimated 5-10 BBLs

Natural Gas

Other (describe)

Page 2 of 132

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

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

Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)						
☐ Laboratory analyses of final sampling (Note: appropriate ODC Distric	t office must be notified 2 days prior to final sampling)					
Description of remediation activities						
I hereby certify that the information given above is true and complete to the and regulations all operators are required to report and/or file certain release may endanger public health or the environment. The acceptance of a C-141 should their operations have failed to adequately investigate and remediate human health or the environment. In addition, OCD acceptance of a C-141 compliance with any other federal, state, or local laws and/or regulations. Trestore, reclaim, and re-vegetate the impacted surface area to the conditions accordance with 19.15.29.13 NMAC including notification to the OCD when	e notifications and perform corrective actions for releases which report by the OCD does not relieve the operator of liability contamination that pose a threat to groundwater, surface water, report does not relieve the operator of responsibility for the responsible party acknowledges they must substantially that existed prior to the release or their final land use in					
Printed Name: Thomas Long Title: Se	nior Environmental Scientist					
Signature:	Date: <u>11-30-2023</u>					
email: tjlong@eprod.com Telephone:	(505) 599-2286					
OCD Only						
Received by:	Date:					
Closure approval by the OCD does not relieve the responsible party of liabil remediate contamination that poses a threat to groundwater, surface water, he party of compliance with any other federal, state, or local laws and/or regular	uman health, or the environment nor does not relieve the responsible					
Closure Approved by: Velson Velez Printed Name: Nelson Velez	Date: 03/12/2024					
Printed Name: Nelson Velez	Title: _ Environmental Specialist – Adv					



CLOSURE REPORT

Property:

Trunk 2C (10/24/23)
Unit Letter H, S16 T26N R10W
San Juan County, New Mexico

New Mexico EMNRD OCD Incident ID No. NAPP2329746361

November 29, 2023

Ensolum Project No. 05A1226289

Prepared for:

Enterprise Field Services, LLC

614 Reilly Avenue Farmington, NM 87401 Attn: Mr. Thomas Long

Prepared by:

Ranee Deechilly Project Manager Kyle Summers Senior Managing Geologist

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Apper	ndix B -	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				
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Trunk 2C (10/24/23)

1.0 INTRODUCTION

1.1 Site Description & Background

Operator:	Enterprise Field Services, LLC / Enterprise Products Operating LLC (Enterprise)
Site Name:	Trunk 2C (10/24/23) (Site)
NM EMNRD OCD Incident ID No.	NAPP2329746361
Location:	36.49037° North, 107.894467° West Unit Letter H, Section 16, Township 26 North, Range 10 West San Juan County, New Mexico
Property:	New Mexico State Land Office
Regulatory:	New Mexico (NM) Energy, Minerals and Natural Resources Department (EMNRD) Oil Conservation Division (OCD)

On October 19, 2023, Enterprise personnel identified a release of natural gas and associated pipeline liquids from the Trunk 2C pipeline. Enterprise subsequently isolated and locked the pipeline out of service. On October 24, 2023, Enterprise initiated activities to repair the pipeline and remediate petroleum hydrocarbon impact. In addition, 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). No PODs with recorded depths to water were identified in the same Public Land Survey System (PLSS) section as the Site, and no PODs were identified in the adjacent PLSS sections (Figure A, Appendix B).



Trunk 2C (10/24/23)

- Numerous cathodic protection wells (CPWs) were identified in the NM EMNRD OCD imaging database in the same PLSS section as the Site and in the adjacent PLSS sections. These CPWs are depicted on Figure B (Appendix B). Two of the closest CPWs are located less than 0.5 miles from the Site. Documentation for the cathodic protection well located near the Huerfano Unit #119 well location indicates a depth to water of 460 feet below grade surface (bgs). This cathodic protection well is located approximately 0.30 miles east of the Site and is approximately 10 feet higher in elevation than the Site. Documentation for the cathodic protection well located near the Huerfano Unit #117 well location indicates a depth to water of approximately 170 feet bgs. This cathodic protection well is located approximately 0.46 miles south of the Site and is approximately 89 feet lower in elevation than the Site.
- The Site is not located within 300 feet of a NM EMNRD OCD-defined continuously flowing watercourse or significant watercourse (Figure C, Appendix B).
- The Site is not located within 200 feet of a lakebed, sinkhole, or playa lake.
- The Site is not located within 300 feet of a permanent residence, school, hospital, institution, or church (Figure D, Appendix B).
- No springs, or private domestic freshwater wells used by less than five households for domestic or stock watering purposes were identified within 500 feet of the Site (Figure E, Appendix B).
- No freshwater wells or springs were identified within 1,000 feet of the Site (Figure E, Appendix B).
- The Site is not located within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to New Mexico Statutes Annotated (NMSA) 1978, Section 3-27-3.
- Based on information identified in the U.S. Fish & Wildlife Service National Wetlands Inventory Wetlands Mapper, the Site is not within 300 feet of a wetland (Figure F, Appendix B).
- Based on information identified in the NM Mining and Minerals Division's Geographic Information System (GIS) Maps and Mine Data database, the Site is not within an area overlying a subsurface mine (**Figure G**, **Appendix B**).
- The Site is not located within an unstable area per Paragraph (6) of Subsection U of 19.15.2.7 NMAC.
- Based on information provided by the Federal Emergency Management Agency (FEMA)
 National Flood Hazard Layer (NFHL) geospatial database, the Site is not within a 100-year
 floodplain (Figure H, Appendix B).

Based on available information Enterprise estimates the depth to water at the Site to be greater than 50 feet bgs, resulting in a Tier II ranking. However, the soil requirements of NMAC 19.15.29.13(D)(1) indicate that a minimum of the upper four feet must contain "uncontaminated" soil and that the soils meet Tier I closure criteria listed in Table 1 of NMAC 19.15.29.12. None of the samples collected below four feet bgs exceeded the Tier I closure criteria, so Tier II closure criteria were not included in this report. The closure criteria for Tier I soils remaining in place at the Site include:



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

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

3.0 SOIL REMEDIATION ACTIVITIES

On October 24, 2023, Enterprise initiated activities to repair the pipeline and remediate petroleum hydrocarbon impact resulting from the release. During the remediation and corrective action activities, West States Energy Contractors, Inc. provided heavy equipment and labor support, while Ensolum provided environmental consulting support.

The final excavation measured approximately 32.5 feet long and 17.5 feet wide at the maximum extents. The maximum depth of the excavation measured approximately 7 feet bgs. The lithology encountered during the completion of remediation activities consisted primarily of silty sand.

Approximately 108 cubic yards (yd³) of petroleum hydrocarbon-affected soils and one barrel (bbl) of hydro-excavation soil cuttings and water were transported to the Envirotech, Inc., (Envirotech) landfarm in San Juan County, NM for disposal/remediation. The executed C-138 solid waste acceptance form is provided in **Appendix C**. The excavation was backfilled with imported fill and then contoured to the surrounding topography.

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

4.0 SOIL SAMPLING PROGRAM

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

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

Sampling Event

On October 25, 2023, 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 S-1 (7') was collected from the floor of the excavation. Composite soil



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

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

Trunk 2C (10/24/23)

samples S-2 (0' to 7'), S-3 (0' to 7'), S-4 (0' to 7'), and S-5 (0' to 7') were collected from the walls of the excavation. Composite soil sample SP-1 was collected from the segregated stockpiled soil to verify that the soil did not exhibit COC impact and that it was suitable for use as backfill. Subsequent soil analytical results identified TPH concentrations that exceeded the NM EMNRD OCD closure criteria for composite soil sample SP-1, which was subsequently removed and transported to the landfarm for disposal/remediation.

All soil samples were collected and placed in laboratory-prepared glassware. The containers were labeled and sealed using the laboratory-supplied labels and custody seals and were stored on ice in a cooler. The samples were relinquished to the courier for 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-5) to the applicable NM EMNRD OCD closure criteria. The soil associated with composite soil sample SP-1 was removed from the Site, and therefore, is not included in the following discussion. The laboratory analytical results are summarized in **Table 1** (**Appendix F**).

- The laboratory analytical results for the composite soil samples indicate benzene is not present at concentrations greater than the laboratory PQLs/RLs, which are less than the NM EMNRD OCD closure criteria of 10 mg/kg.
- The laboratory analytical results for the composite soil samples 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 sample S-3 indicate a total combined TPH GRO/DRO/MRO concentration of 97 mg/kg, which is less than the NM EMNRD OCD closure criteria of 100 mg/kg. The laboratory analytical results for the other composite soil samples 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 chloride is not present at concentrations greater than the laboratory PQLs/RLs, which is less than the NM EMNRD OCD closure criteria of 600 mg/kg.



Trunk 2C (10/24/23)

7.0 RECLAMATION

The excavation was backfilled with imported fill and then contoured to the surrounding topography.

8.0 FINDINGS AND RECOMMENDATION

- Five composite soil samples were collected from the excavation. 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 108 yd³ of petroleum hydrocarbon-affected soils and one bbl of hydroexcavation soil cuttings and water 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.

9.0 STANDARDS OF CARE, LIMITATIONS, AND RELIANCE

9.1 Standard of Care

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

9.2 Limitations

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

9.3 Reliance

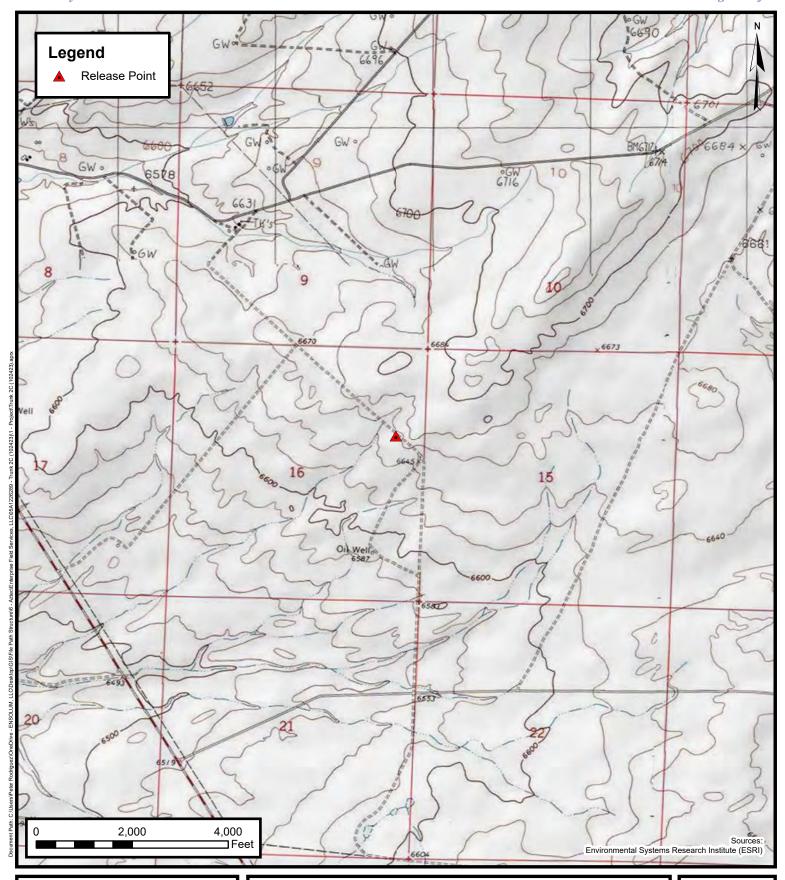
This report has been prepared for the exclusive use of Enterprise, and any authorization for use or reliance by any other party (except a governmental entity having jurisdiction over the Site) is prohibited without the express written authorization of Enterprise and Ensolum. Any unauthorized distribution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





APPENDIX A

Figures



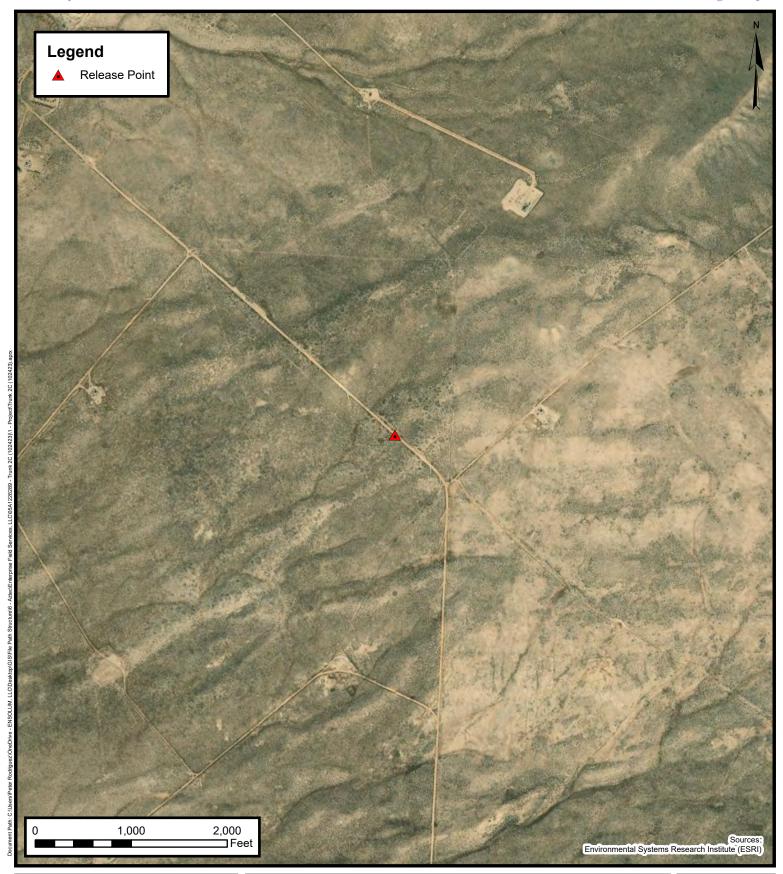


Topographic Map

Enterprise Field Services, LLC Name: Trunk 2C (10/24/23) Project Number: 05A1226289

Unit H, Sec 16, T26N, R10W, San Juan County, New Mexico 36.49037,-107.894467

1

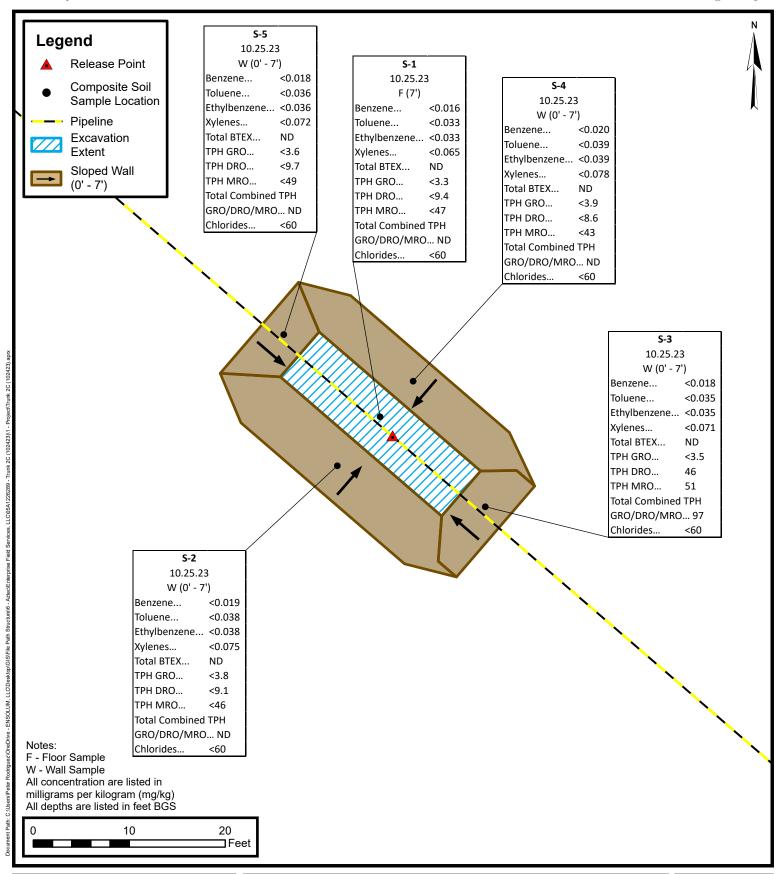




Site Vicinity Map

Enterprise Field Services, LLC Name: Trunk 2C (10/24/23) Project Number: 05A1226289

Unit H, Sec 16, T26N, R10W, San Juan County, New Mexico 36.49037,-107.894467





Site Map with Soil Analytical Results

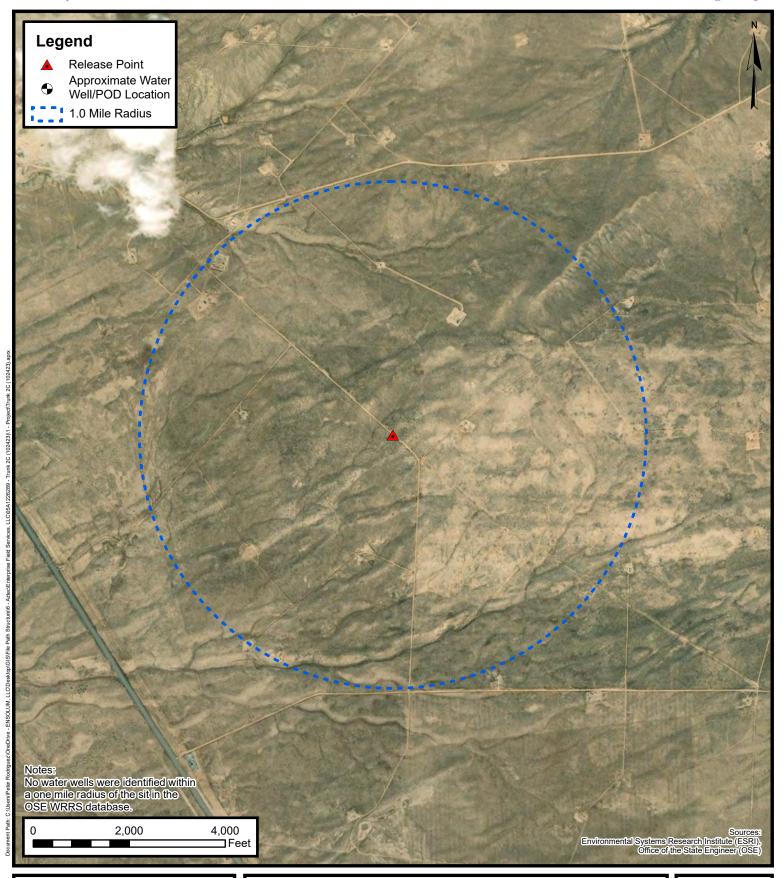
Enterprise Field Services, LLC Name: Trunk 2C (10/24/23) Project Number: 05A1226289

Unit H, Sec 16, T26N, R10W, San Juan County, New Mexico 36.49037,-107.894467



APPENDIX B

Siting Figures and Documentation

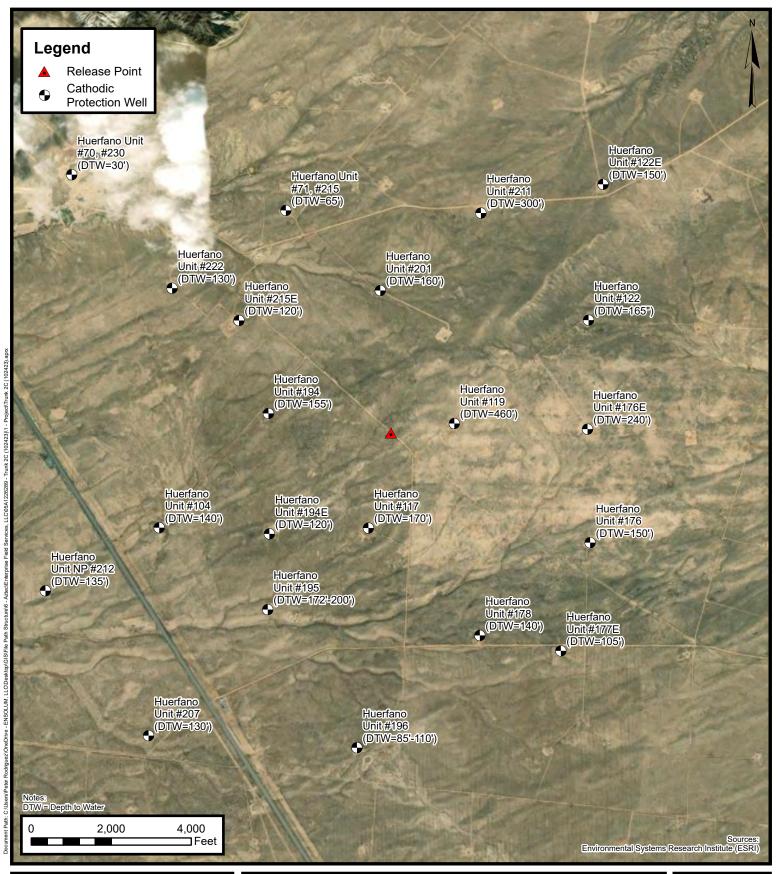




1.0 Mile Radius Water Well/POD Location Map

Enterprise Field Services, LLC Name: Trunk 2C (10/24/23) Project Number: 05A1226289

Unit H, Sec 16, T26N, R10W, San Juan County, New Mexico 36.49037,-107.894467





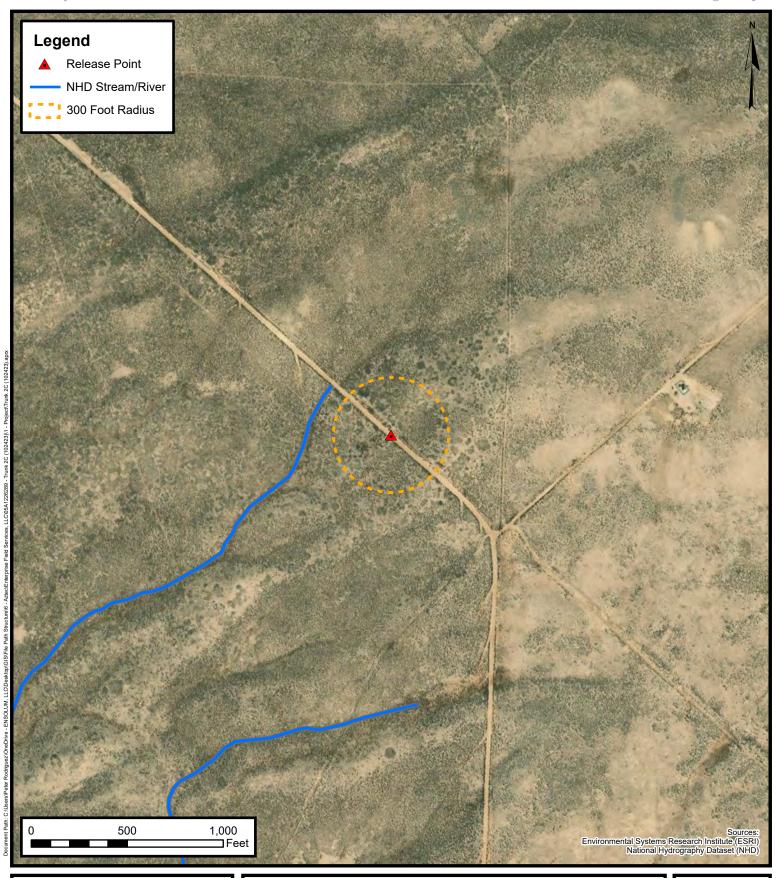
Cathodic Protection Well Recorded Depth to Water Enterprise Field Services, LLC

Enterprise Field Services, LLC Name: Trunk 2C (10/24/23) Project Number: 05A1226289

Unit H, Sec 16, T26N, R10W, San Juan County, New Mexico 36.49037,-107.894467

FIGURE

В

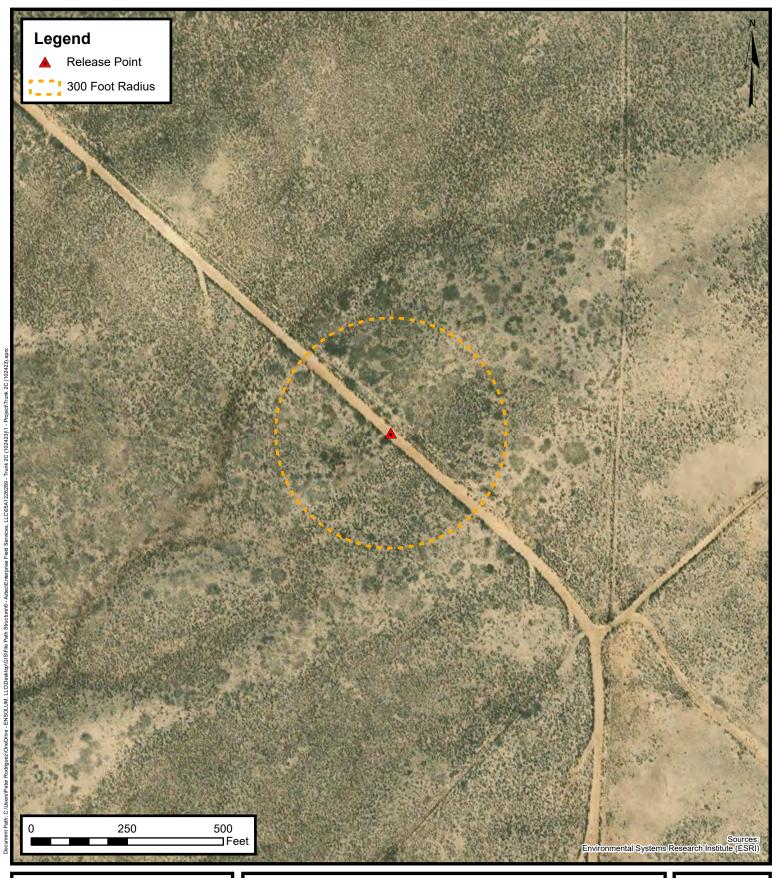




300 Foot Radius Watercourse and Drainage Identification

Enterprise Field Services, LLC Name: Trunk 2C (10/24/23) Project Number: 05A1226289

Unit H, Sec 16, T26N, R10W, San Juan County, New Mexico 36.49037,-107.894467

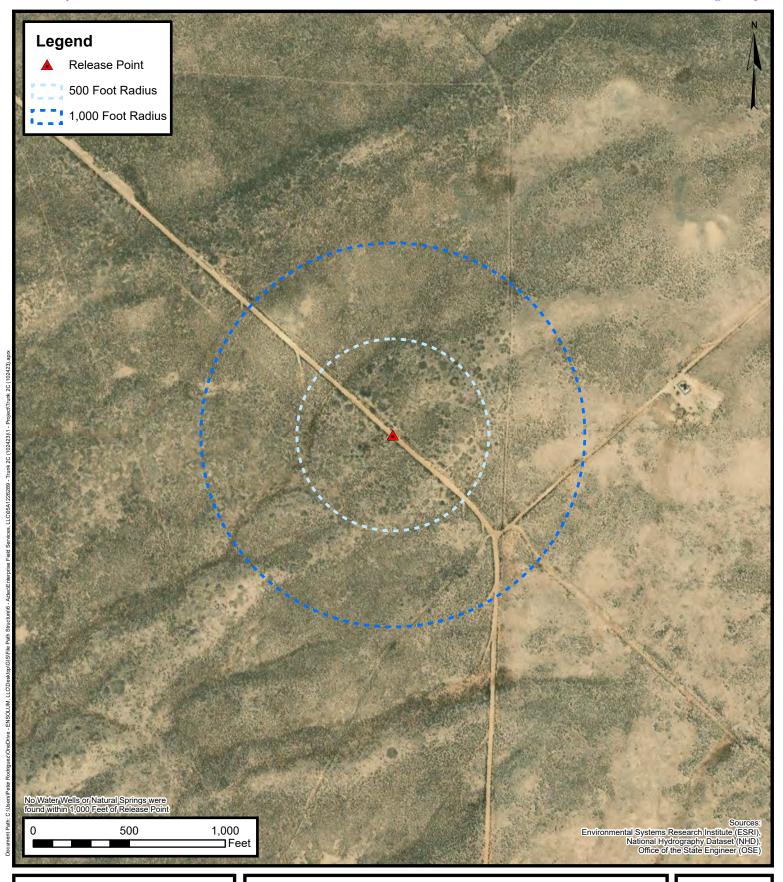




300 Foot Radius Occupied Structure Identification

Enterprise Field Services, LLC Name: Trunk 2C (10/24/23) Project Number: 05A1226289

Unit H, Sec 16, T26N, R10W, San Juan County, New Mexico 36.49037,-107.894467

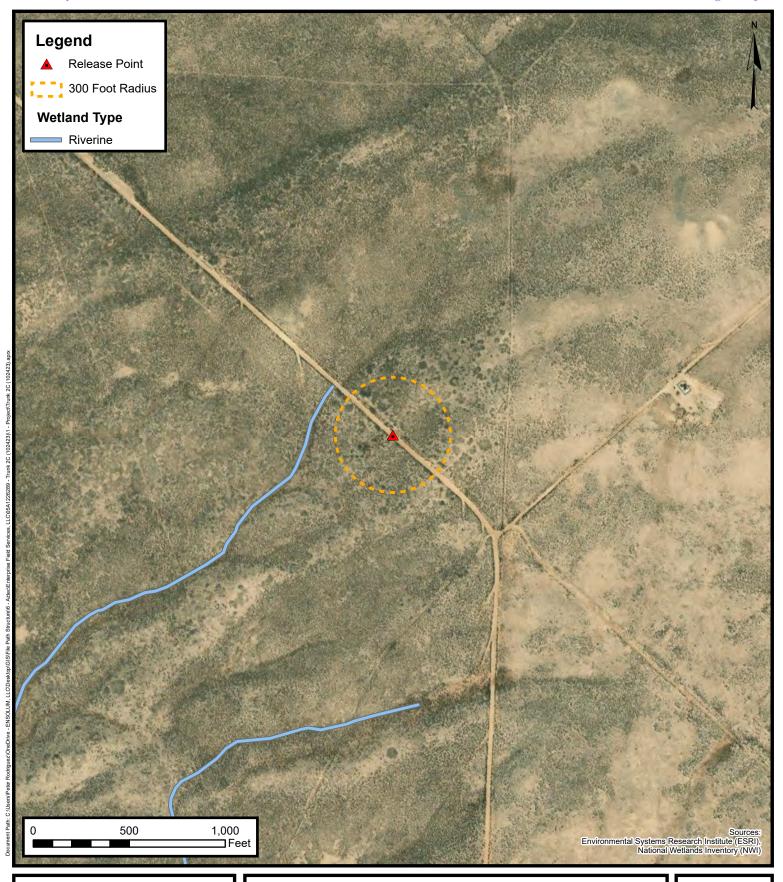




Water Well and Natural Spring Location

Enterprise Field Services, LLC Name: Trunk 2C (10/24/23) Project Number: 05A1226289

Unit H, Sec 16, T26N, R10W, San Juan County, New Mexico 36.49037,-107.894467

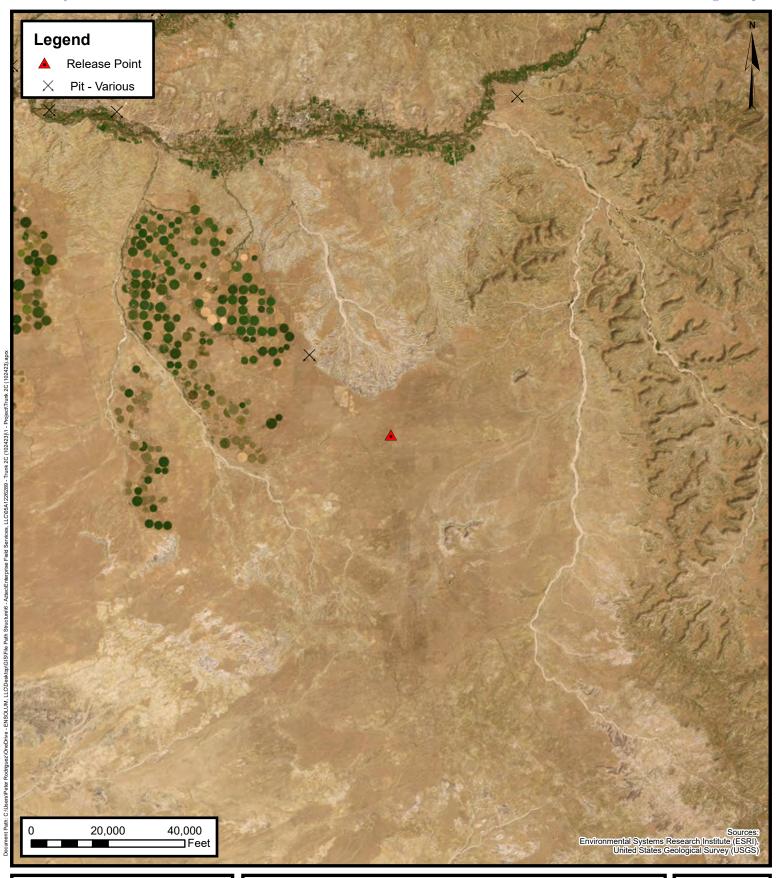




Wetlands

Enterprise Field Services, LLC Name: Trunk 2C (10/24/23) Project Number: 05A1226289

Unit H, Sec 16, T26N, R10W, San Juan County, New Mexico 36.49037,-107.894467

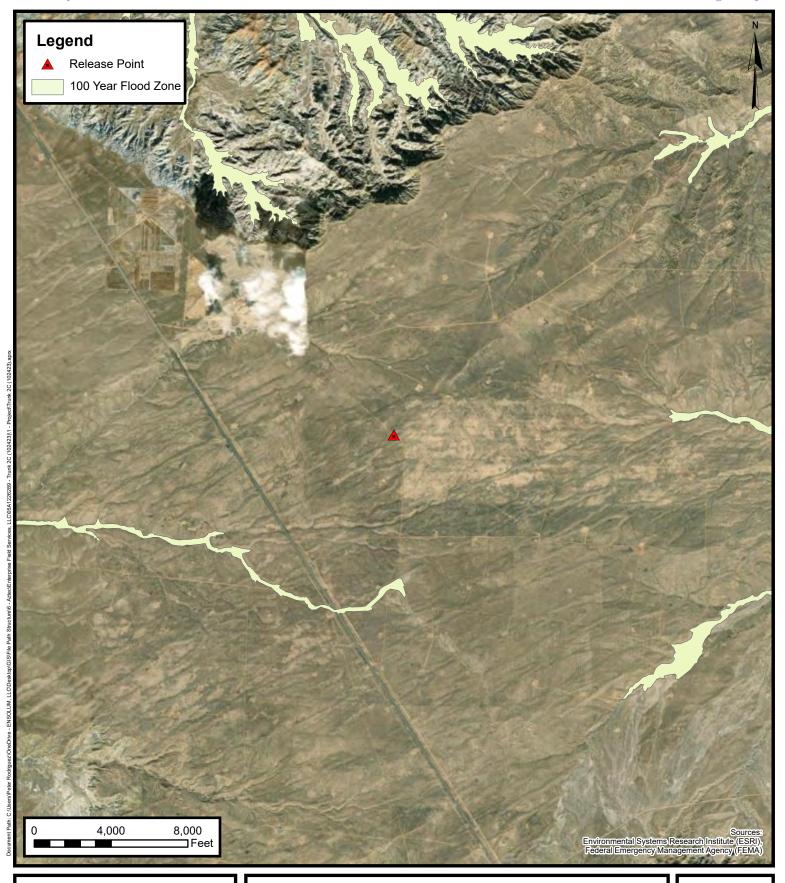




Mines, Mills, and Quarries

Enterprise Field Services, LLC Name: Trunk 2C (10/24/23) Project Number: 05A1226289

Unit H, Sec 16, T26N, R10W, San Juan County, New Mexico 36.49037,-107.894467





100-Year Flood Plain Map

Enterprise Field Services, LLC Name: Trunk 2C (10/24/23) Project Number: 05A1226289

Unit H, Sec 16, T26N, R10W, San Juan County, New Mexico 36.49037,-107.894467



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

No records found.

PLSS Search:

Section(s): 16, 8, 9, 10, 15, **Township:** 26N **Range:** 10W

17, 20, 21, 22

30-045-05879

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

Operator MERIDIAN OIL Locat	ion: UnitSE Sec. 16 Twp 26 Rng 10
Name of Well/Wells or Pipeline Serviced	HUERFANO UNIT #117
	cps 971w
Elevation 6582 Completion Date 9/5/75 Total	al Depth 350' Land Type* N/A
Casing, Sizes, Types & Depths	N / A
If Casing is cemented, show amounts & type	es used N/A
If Cement or Bentonite Plugs have been pla	
Depths & thickness of water zones with des	
Fresh, Clear, Salty, Sulphur, Etc	
Depths gas encountered: N/A	
Type & amount of coke breeze used:	3400 lbs.
Depths anodes placed: 310',300',290', 280',	270',240', 230', 220',210', 200
Depths vent pipes placed: N/A	
Vent pipe perforations: 200'	MAYATIEM
Remarks: (gb.#1	MAY 21 1991

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: 11/30/2023 9:08:55 AM

E! Paso Natural Gas Company Form 7-238 (Rev. 1-69)"

WELL CASING CATHODIC PROTECTION CONSTRUCTION REPORT

Page 25 of 132

23,5 Completion Date Drilling Log (Attach Hereto). Well Name Location SE 16 - 26N -10W Total Drilling Rig Time # 2 300 # 3 290 # 4 2 80 # 5 270 # 6 240 # 7 230 # 8 220 # 9 270 4.0 # 4 4.0 # 5 3.4 # 6 3.6 # 7 4.0 # 8 4. 8 # 9 4. 9 # 05.2 Anode Output (Amps) # 15 **Total Circuit Resistance** 0.79 Amps /5.0 Ohms Drill With Air. Driller said VENT PerforaTed 200' Logging ANOde STopped AT 334

All Construction Completed

Eduard R. Paulik

GROUND BED LAYOUT SKETCH

96' 212'



CUSTOMER

Material

MORGAN DRILLING COMPANY

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

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

LITHOLOGIC LOG

From

Water

Strata

	(
	DATE 9-3-73
	Work Order No. 5 3457 -19 36 -2
	Work Order No.
	Work Order No. 53452-19 36-2
DRESS A	
17.7.7.1.19 IN -	10 VEHICLE NO. DATE
an	Onilli T4 COMPLETED
	INSTRUCTIONS:
Time	
111110	
	SERVICE PERFORMED:
	TOTAL DEPTH 334'
	RIG TIME
	WATER TRUCK
	DRILLERS CERTIFICATION
	This well was drilled under my supervision and the report is true to the b
	of my knowledge,
	Name all them
	Address
	Well driller's license number
19	Signed
19	Date
· · · · · · · · · · · · · · · · · · ·	
_	

1202

Customer's Signature

By _____ (_ _ / finis

Date started _____ Date completed .

	9	71 W	HUER .)NO	UNT	#117) ************************************	5F /	<u> </u>	14-10	<u>ح</u>	3	750
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30-045-20407

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

(Submit 3 copies to OCD Aztec Office)

Operator MERIDIAN OIL Locat	ion: Unit ^{NW} Sec. 16 Twp 26 Rng 10
Name of Well/Wells or Pipeline Serviced	HUERFANO UNIT #194
	cps 970w
Elevation 6629 Completion Date 9/3/75 Tota Casing, Sizes, Types & Depths	
If Casing is cemented, show amounts & type	s used N/A
If Cement or Bentonite Plugs have been plan	
Depths & thickness of water zones with des	cription of water when possible:
Fresh, Clear, Salty, Sulphur, Etc.	155'
Depths gas encountered: N/A	
Type & amount of coke breeze used:	3200 lbs.
Depths anodes placed: 305',295',265', 255',	245',235', 225',215', 205', 195'
Depths vent pipes placed: N/A	DECEIVEM
Vent pipe perforations: 250'	WAY 3 1 1991
Remarks: (#1.)	OIL COM. DW.

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.

: .. - .. s (Hev. 1-69)

WELL CASING CATHODIC PROTECTION CONSTRUCTION REPORT DAILY LOG

Page 29 of 132

Drilling Log (Attach Hereto).

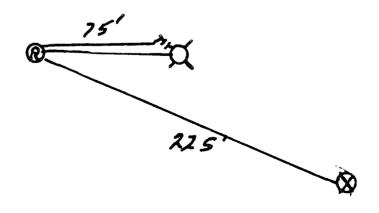
Completion Date 9-3-75

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All Construction Completed

Edual R. Paule

GROUND BED LAYOUT SKETCH





Material

MORGAN DRILLING COMPANY

P.O. Box 326 Broken Bow, Oklahoma 74728

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

"LITHOLOGIC LOG

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Water

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To

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TOTAL DEPTH 324'	
RIG TIME	
MA TIME	
WATER TRUCK	

DATE 9-3-75

	PERFORMED:
	TOTAL DEPTH 324'
	RIG TIME
	WATER TRUCK
	DRILLERS CERTIFICATION
	This well was drilled under my supervision and the report is true to the of my knowledge. Name All Library
	Address
Date started	Well driller's license number Signed Date
	912 Customer's Signature By Customer's Signature

Released to Imaging: 3/12/2024 12:44:48 PM

. Received by OCD:=11/39/2023 9:08:55 AM

EL PASO NATURAL GAS COMPANY ENGINEERING DEPARTMENT

Shee Page 3100f 132

Date: _____

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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 INC. Location: Unit N Sec. 16 Twp 26 Rng 10
Name of Well/Wells or Pipeline Serviced HUERFANO UNIT #194E
cps 1854w
Elevation6564' Completion Date 9/16/87 Total Depth 420' Land Type* N/A Casing, Sizes, Types & Depths 20' OF CASING
If Casing is cemented, show amounts & types used N/A
If Cement or Bentonite Plugs have been placed, show depths & amounts used N/A
Depths & thickness of water zones with description of water when possible: Fresh, Clear, Salty, Sulphur, Etc. 120' SAMPLE TAKEN
Depths gas encountered: N/A Type & amount of coke breeze used: N/A
Depths anodes placed: 375', 365', 355', 345', 335', 325', 315', 305', 295', 280'
Depths vent pipes placed: N/A DEFENDENT
Vent pipe perforations: 320' Remarks: (gb #1 - Oll CON. Div.

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

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

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

WELL CASING CATHODIC PROTECTION CONSTRUCTION REPORT DAILY LOG

Drilling Log (Assach H.	ereso)			35-9	9401 a	ompletion D	ate 9-16	-87
CPS #	Well Name. Line or Plant:		Work Order	<u> </u>	Static:		Ins. Union Check	
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Anode Output (Amps)	# 13	# 14 # <u>15</u>		# 16	# 17	# 18	n 19	i a 20
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MERIDIAN OIL

P. O. BOX 4289-Phone 327-0251
FARMINGTON, NM Date 9-16-92

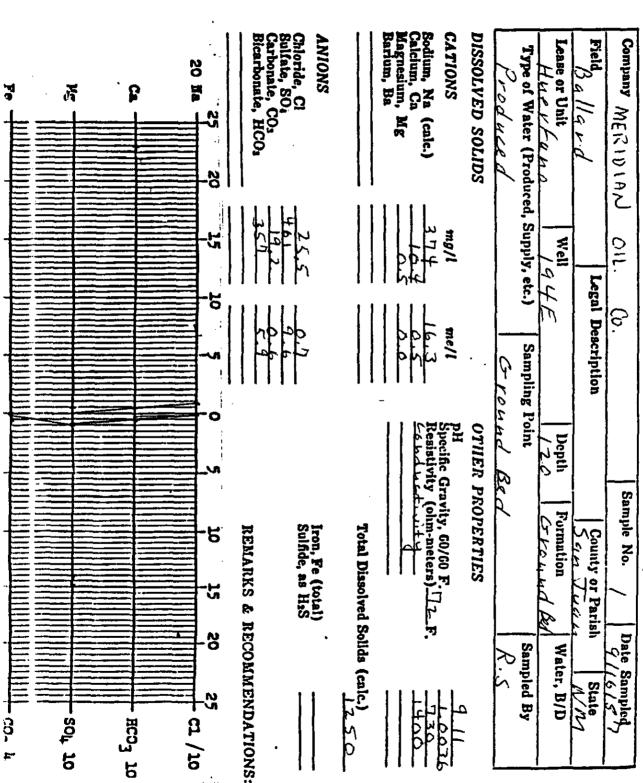
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API WATER ANALYSIS REPORT FORM

500

MASAL



BURGE CORROSION SYSTEMS, INC.

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

CPS 1854W

COMPANY MESTI	dian	DAIL	Y DRILLI NG REPO F	rr 9-16	1987
WELL NAME: H4	erfand	WELL NUMBER:	SECTION:	TOWNSHIP:	RANGE:
100	+	194 E	HOLE MADE:	26 N	10 W
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Casing					
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grant .	Sum	Driller			Tool Dresser

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. 8 Twp 26 Rng 10

Name of Well/Wells or Pipeline Serviced HUERFANO UNIT #70, #230

cps 954w
Elevation 6563'Completion Date 8/11/83 Total Depth 520' 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 use
Depths & thickness of water zones with description of water when possibl
Fresh, Clear, Salty, Sulphur, Etc. 30' SAMPLE TAKEN
Depths gas encountered: N/A
Type & amount of coke breeze used: 4100 lbs.
Depths anodes placed: 455', 445', 435', 425', 395', 385', 345', 335', 325', 295'
Depths vent pipes placed: 480' OF 1" PVC VENT PIPE
Vent pipe perforations: 480'
Remarks: QB.#2
OIL CON. L
DIST. 3
If any of the above data is unavailable, please indicate so. Copies of a logs, including Drillers Log, Water Analyses & Well Bore Schematics shou be submitted when available. Unplugged abandoned wells are to be includ

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

If Federal or Indian, add Lease Number.

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

WELL CASING CATHODIC PROTECTION CONSTRUCTION REPORT

					DAIL	YLOG					
Drilling Log (Attach H	Hereto)							c	ompletion	Date 8-11	-83
CPS #	Well Name, Line or Plant			7	Work Ord	er#		Static:		Ins Union Chec	
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954-W	1	<u> </u>	230			552324				☐ G	☐ Bad
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Anode Output (Amps		# 14		# 13		# 16		17	1 10	 13	" 20
# 11 # 12	# 13	# 14		# 15		# 16	#	17	# 18	# 19	# 20
Total Circuit Resist	ance	1				No. 8 C.P. Co	ıble l	Used		No. 2 C.P. C	able Used
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EL PASO NATURAL GAS COMPANY

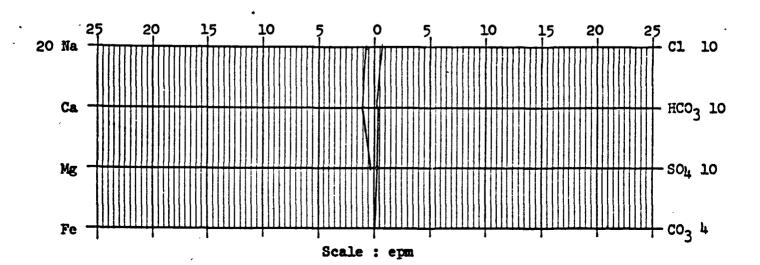
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EL PASO NATURAL GAS COMPANY SAN JUAN DIVISION FARMINGTON, NEW MEXICO PRODUCTION DEPARTMENT WATER ANALYSIS

Analysis No. 1-10835		Date September 14, 1983								
Operator El Paso Nat	tural Gas	Well Name _{Hue}	rfano #2	30 CPS 954W	·					
Location NW 8-26-10	····	County San	Juan	State New	Mexico					
Field Ballard		Formation	· · · · · · · · · · · · · · · · · · ·							
Sampled From 30 feet										
Date Sampled August 11,	1983	By Wil	lis Knig	ht						
Tbg. Press.	Csg.	S	urface (sg. Press						
ppm,	epm	Chloride	· bbm ·		epm					
Calcium 19	1.0	Bicarbonate_	183	<u> </u>	3.0					
Magnesium 4	0.3	Sulfate	150		3.1					
Iron		Carbonate	0		0					
н ₂ ѕ•	- •	Hydroxide	0		0					
		Total Solids	Dissolv	red9	22					
E. R. Paulek J. W. McCarthy		pH 8.2								
J. D. Evans W. B. Shropshire		Sp. Gr. 0.999	<u>4</u> A	.t	60 e E					
D. C. Adams File		Resistivity_	500	ohm-cm at	74 °F					
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•			cne	mist						



30-045-20839

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

(Submit 3 copies to OCD Aztec Office)

Operator MERI	DÍÁN OIL	_ Location: Unit	SE Sec. 8 Twp 26 Rng 10
Name of Well/Wel	ls or Pipeline Serv	iced <u>HUERFANO UN</u>	IT #222
			cps 955w
Elevation_6617'Co	mpletion Date 8/26/7	Total Depth <u>35</u>	0' Land Type* N/A
Casing, Sizes, T	ypes & Depths N/	1	
If Casing is cem	ented, show amounts	& types used	N/A
If Cement or Ben	tonite Plugs have b	een placed, show	depths & amounts used
	ss of water zones w		of water when possible:
Depths gas encour	ntered:N/A		
Type & amount of	coke breeze used:	4000 lbs.	
Depths anodes pla	aced: 295', 285', 235		
Depths vent pipe:	s placed: N/A	IN E	
Vent pipe perfora	ations: 200'	nî.•	
Remarks: (gb_#1/.		OIL CON	1991 [[]
		9/67, V	OIV,
			₹

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.

Drilling Log (Attach Hereto).

117 1-238 (Hev. 1-9)

WELL CASING

CATHODIC PROTECTION CONSTRUCTION REPORT

_ DAILY LOG

INSTRUCTION REPORT

Completion Date 8-1

well Name Hu	ver fa	NO # 2	L22	SE 9	- 26N	-10W	CPS 110. 9	55 W	
Type & Size B	6 3/4	11					Work Order 54 9	18.49 -	50-20
Anode Hole De	50	Total Drilling Ric	Time Tot	al I.bs. Coke Us 4. 000	ed Lost Circ	ulation Mat'l Use	ed No. Sacks M	Aud Used .	
Anode 2epth = 1 295	= 2 285	H 3 245	# 4235	# 5 225	# 6 215	# 7 205	#8 195	" 9 1 85	# 10 /75
Anode Cutput (= 1 4.2			1	1	1	# 7 4.4	1	1	
Anode Depth	1		1	1	i	1	1	1	1 ., .
= 11	# 12	# 13	# 14	# 15	# 16	# 17	# 18	# 19	# 20
Anode Output	(Amps)	1	1	1	1	1		1	1
≈ 11	# 12	# 13	# 14	# 15	# 16	# 17	# 18	# 19	# 20
Total Circuit	Resistance Am	ps /8.0	1	0.65	No. 8 C.P. Cat	560		No. 2 C.P. Co	ole Used

Remarks: Drill With Air. Driller said water A 136

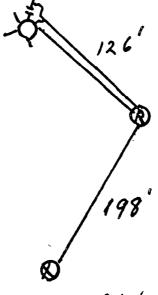
Vent Hose Perforated 200'

Logging Anode Stopped AT 322'

All Construction Completed

Eduard R. Paulch

GROUND BED LAYOUT SKETCH





MORGAN DRILLING COMPANY

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

					DATE 8-27-15
	4-6000 4-6860 0-3248				Work Order No. 54918 - 19-50-2
night 42	U-3240				work Order No. 27778
					Waciforn diret 222
CUSTOMER CONTROL REQ.	Mas 6	562	ERVICE AI 7 <u>/1/1/1</u> ERVICEMA	ASS (A	May Miller Falssing Ton 79 711. Vehicle No. Date
CPS 955 W REQ.	NO.	2 2	Daria.	11 X	Sillery T.4, DATE COMPLETED
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					of my knowledge
					Name all Land
	 				Address
	 		 		<u>-</u>
DJ		<u> </u>	L	10	Well driller's license number
Date started Date completed					Signed
Sate completed				- /	Date

By Califaid A. Jacobs

EL PASO NATURAL GAS COMPANY ENGINEERING DEPARTMENT

Sheet	Page 49	of 132
Date:		

Bv: ____

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71-30-045-05955

215-30-045-20800

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. 9 Twp 26 Rng 10
Name of Well/Wells or Pipeline Serviced HUERFANO UNIT #71, #215
cps 956w
Elevation 6649 Completion Date 9/4/84 Total Depth 500' Land Type* N/A
Casing, Sizes, Types & Depths 30' OF 8" PVC CASING
If Casing is cemented, show amounts & types used N/A
If Cement or Bentonite Plugs have been placed, show depths & amounts used N/A
Depths & thickness of water zones with description of water when possible: Fresh, Clear, Salty, Sulphur, Etc. 65'. 135'-150'. 260'-275'
Depths gas encountered: N/A
Type & amount of coke breeze used: 4750 lbs.
Depths anodes placed: 450', 435', 420', 405', 390', 375', 360', 345', 330', 315'
Depths vent pipes placed: N/A DEGEVEN
Vent pipe perforations: N/A MAY 31 1991
Remarks: gb #2 ON CON PM
£Rate.

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

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

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

WELL CASING CATHODIC PROTECTION CONSTRUCTION REPORT

	DAILY					
Delling Los (Astrola Horses)	KEDI	ellL	Ca	mplețion Da	9-2	f-Rel
Drilling Log (Attach Hereto)			Co	mpletion Da	9- 9	- 011
CPS # 956 Well Name, Line or Plant: Heller Fand	7/ Work Order	53076			Ins. Union Check	
VEV	215	54867	<u> </u>		Good	☐ Bad
Location Anode Size Anode Type.		Sız	e Bit:	91	1	
NW9-26-10 2"x 60"	Duri	earl	6			
Depth Drilled Depth Logged Drilling Rig Time	Total	Lbs. Goke Used	Lost Circulation	Mat'l Used	No Sacks Mud Used	
500 413		4150				- 5 %
Anode Depth #1450 #2 435 #3470 #4405	# 5 390	# 6 3 75	#7360	* 8345	#9330	# 103/5
Anode Output (Amps)	11	" . ///a h	- 2 5 1-A	- 5/A	# 9 5.00	
# 1 400 # 2 355 # 3390 # 4 4,00	#54.61	# 6 4.60	* / <u>ad.(FU</u>	4° -, 60	" 3.00	# 10 7.3 C
#\$11 # 12 # 13 # 14	# 15	# 16	# 17	# 18	# 19	# 20
Anode Output (Amps)		! - [; I	"我们"
# 11	# 15	# 16 No. 8 C.P. Cable		# 18	# 19 No. 2 C.P. Cabl	# 20 e Used:
Volts /2.5 Amps /5.00 Ohms /	83	1				
Remarks: Drilled to 100	Ž-31	Seck	Martil	9-	4 /	ard
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Addn'l Depth			A	All Construc	tion Completed	
Depth Credit: 25'			2			
Extra Cable:			\mathcal{L}	. / ,		
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20' Meter Pole: ——— GR		AYOUT SKETC				
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DAILY DRILLING REPORT

															DRILLING R	LFORT	
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Driller			Total Men In	Crew		Driller	an	Yoga	7 Total Men I	n Crew	Driller				Total Men In	Стем	
FROM		то	FORMATION	WT-BIT	R.P.M.	FROM		To U	FORMATION ^	WT-BIT R.P.M.	FROM		то	F	RMATION	WT-BIT	R.P.N
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Page 49 of 132

NW3-26-10 CPS #: 95 6 NWELL NAME: DATE: TOTAL VOLTS: 12. TOTAL AMPS: 15.00 OHMS RESISTANCE:

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20			200	145			731		560			4	405	235	400
25			205	128			25.3		565			2	390	250	467
30			210	148			776	5	570			6	375	260	460
35			215	180			238		575			7	360	247	560
40				197					580			2	345	275	560
45			225	198		405	220	J	585			9	330	256	500
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30-045-20608

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

Operator MERIDIAN OIL	Location: Unit SE Sec. 9 Twp 26 Rng 10
Name of Well/Wells or Pipeline Servi	ced HUERFANO UNIT #201
	cps 957w
Elevation 6665' Completion Date 8/25/75	Total Depth 350' Land Type* N/A
Casing, Sizes, Types & Depths N/A	
If Casing is cemented, show amounts	& types used <u>N/A</u>
If Cement or Bentonite Plugs have be	en placed, show depths & amounts used
Depths & thickness of water zones wi Fresh, Clear, Salty, Sulphur, Etc	th description of water when possible: 160' 160' 160'
Depths gas encountered: N/A	OIL CON. DA
Type & amount of coke breeze used:	3000 lbs. \ DIST. ?
Depths anodes placed: 305', 295', 285'	, 275', 250', 240', 205', 195', 185'
Depths vent pipes placed: N/A	
Vent pipe perforations: 200'	
Remarks: (igb #1	

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

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

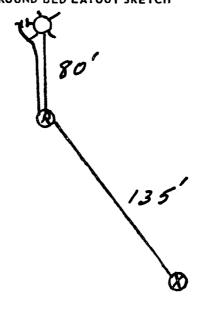
WELL CASING CATHODIC PROTECTION CONSTRUCTION REPORT DAILY LOG

Hury for	1 NO 20	Loca	SE9-	26w -	10W	Work Order 1	57W 40.19-	50-
ode Hole Depth 350	Total Drilling R	ig Time To	otal Lbs. Coke Us 3, 000	ed Lost Ci	rculation Mat'l Us			
ode Depth 1 305 = 2 25	75 # 3 2 82	# 4 275	# 5 250	# 6 240	# 7 215	# 8 205	19 195	# 10 d
node Cutput (Amps) 1 4 4 # 2	# 3 4.4	# 4 3.7	# 5 3.4	# 6 3. 8	#7 4.2	#8 4.6	#93.2	± 10 €
ode Depth # 12	# 13	# 14	# 15	# 16	# 17	# 18	# 19	# 20
ode Output (Amps)	# 13	; ; ;# 14	!# 15	# 16	! !# 17	 # 18	!# 19	# 20
otal Circuit Resistance	Amps /6.6	Ohms	0,76	No. 8 C.P. C	73 4		No. 2 C.P. Ca	ble Used
marks: Dri	ent t	t 05 e	_	for	Ted	200'	v a T o	~
	VG AN	var						

All Construction Completed

Eduard A. Paulo

GROUND BED LAYOUT SKETCH



969



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

INSTRUCT

Signed __

Date _

, 19_

, 19.

SERVICE ADDRESS 12x996 . ZEP-

Time

Water

Strata 160

16.0

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

Material

LITHOLOGIC LOG

From

DATE	8-21-75
j	No. 5+ 746-19-56-26
1940 - ZEP - 87431 CIT 1940 - 1956 - CE VEHICLE NO.	Commy to 12 11/1
INSTRUCTIONS:	
SERVICE PERFORMED:	·
TOTAL DEPTH 3 2 3	
RIG TIME WATER TRUCK	
	RS CERTIFICATION
This well was drilled under my of my knowledge. Name	supervision and the report is true to the
Address	
Well driller's license number	

By Calland Registration By

Date started.

Date completed.

Received by OCD: 11/30/2023 9708:55 AM

EL PASO NATURAL GAS COMPANY ENGINEERING DEPARTMENT

Sheet	Page 53 of 132
Date:	

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30-045-26243

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

Operator MERIDIAN OIL INC. Loca	tion: Unit M Sec. 9 Twp 26 Rng 10
Name of Well/Wells or Pipeline Serviced	HUERFANO UNIT #215E
	cps 1859w
Elevation 6664 Completion Date 9/18/87 Tot Casing, Sizes, Types & Depths	
If Casing is cemented, show amounts & type	es used N/A
If Cement or Bentonite Plugs have been pl	aced, show depths & amounts used
Depths & thickness of water zones with de	scription of water when possible:
Fresh, Clear, Salty, Sulphur, Etc.	120' NO SAMPLE
Depths gas encountered: N/A	
Type & amount of coke breeze used:	N/A
Depths anodes placed: 340', 330', 320', 310',	300', 290', 280', 270', 260', 250'
Depths vent pipes placed: N/A	- FREIVER
Vent pipe perforations: 290'	DECEIAE
Remarks: (gb #1	MAY31/199L
	OIL CON. DIV.

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

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

Released to Imaging: 3/12/2024 12:44:48 PM

EM-07-0238 (Per. 19-82)

WELL CASING CATHODIC PROTECTION CONSTRUCTION REPORT DAILY LOG

			DAIL	. 1					
Drilling Log (Astach Hereso	o) 📑			₹		Co	mpletien Da	te 9 - 1 8	7-37
CPS / We	ell Name. Line or Plant:		Work On	der 🗲		Static:		Ins. Union Check	
	Hutifane =	715 E				- 8,	11400	[] Good	☐ Bad
185900 -								_	
Location: AC	Anode Size:	Anade Type:	<u> </u>		Size Bı	12:		<u> </u>	
SW9-36-1	O ZXXGO	211 Du	1110	n		" (3)	4		i
	Depth Logged.	Drilling Rig Time		al Lbs. Coke Used		Lost Circulation	Mar I Used	No. Sacks Mud Use	rd .
Acada Danib	<u> </u>			 			T	<u>, </u>	T
#1340 23.	30,370	3/0	300	1 29e) # 7	1280	28 270	, DGO	" 10 250
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Anode Dectn ; ≈ 11 ≈ 12	# 13	# 14 #	15	# 16	 	17	! !# 18	 # 19	! !# 20
Anode Output (Amps)	1				+-	**-	 		1
# 11	¦≉ 13	a 14 a	15	# 16	1# 1		≈ 18	# 19	# 20
Total Circuit Resistance	Amps 22.	3 Johns , 5	₋ 3	No. 8 C.P. Co	ibie U	ised		No. 2 C.P. Cab	ole Used
				, ,					/ 0
Remarks: Wax	er 15 a	130	6	10nt	21	FC	15 PC	1Tar	9 700
up to 1	10. Hoc	9 to 5	et	80'	08	Ca	51ng	(HU.C.	`
Approx. 1	5 brs to	Dr.11	and	9 Sex	<u>C</u>	sh c	· 125	ing.	Po
									
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D : C C: (- (-) v 28							<u> </u>	
Rectifier Size: 66		Λ.		,			All Construc	tion Completes	d
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Extra Cable:	<u> </u>						County	Land	ر المحد
Ditch & 1 Cable:	<u> 10 /</u> . 13ව′		•		_		(Sig	nature)	<u> </u>
Ditch & 2 Cable	•								•
25' Meter Pole: 20' Meter Pole:	30500						7.1.		
10' Stub Pole:		-					`		1
Junction Box:	4000	- -							1
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BURGL CORROSION SYSTEMS, C.

P.O. BOX 1359 - PHONE 334-6141 AZTEC, NEW MEXICO 87410 DEEP WELL GROUNDRED LOG

Date 9-18-87

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BURGE CORROSION SYSTEMS, INC.

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

CPS 1859W

COMPANY Meric	lion	DAIL	Y DRILLING REPO	RT 9-18	1987
WELL NAME:	<u> </u>	WELL NUMBER:	SECTION:	TOWNSHIP:	RANGE:
Hulrfano		2/5 E FEET:	HOLE MADE:	26/11	10 m
Hulrfano 120 ft	WATER AT:	FEET:	HOLE MADE:	26 N 400 FF	
		DESCRIPTION OF	FORMATION		
FROM	то		FORMATION	IS	COLOR
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70	100		hale		Grey
+2-100	120	91	vater sone	\checkmark	Grey
120	40 ,230	5.	hale valersand hule		& Purple
230	270	Son	dstone		Grec
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& Mant.	Bum	Driller			Tool Dresser

30-045-20613

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

(Submit 3 copies to OCD Aztec Office)

Operator MERIDIAN OIL Lo	ocation: Unit P Sec. 10 Twp 26 Rng 10
Name of Well/Wells or Pipeline Serviced	HUERFANO UNIT #122
	cps 959w ³
Elevation 6673' Completion Date 7/28/88	Cotal Depth 380' Land Type* N/A
Casing, Sizes, Types & Depths 35' OF	8" PVC CASING
If Casing is cemented, show amounts & t	ypes used N/A
If Cement or Bentonite Plugs have been	placed, show depths & amounts used
Depths & thickness of water zones with Fresh, Clear, Salty, Sulphur, Etc	AND THE REAL PROPERTY.
Depths gas encountered: N/A	ONCOOP
Type & amount of coke breeze used: N	/A
Depths anodes placed: 350', 340', 330', 32	20', 310', 300', 280', 270', 215', 205'
Depths vent pipes placed: 385' OF 1" P	/C VENT PIPE
Vent pipe perforations: BOTTOM 280'	
Remarks: ('gb_#2'	

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

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

FM₂07-0238 (Rev. 10-82)

WELL CASING CATHODIC PROTECTION CONSTRUCTION REPORT DAILY LOG

•			
Drilling Log	(Attach	Hereto)	区

Drilling Log (Assach I	tereso)	7						8-	1.88 C	mpletion D	ate	<u> </u>
CPS #	Well Name, I					Vork Orde			Static:		Ins. Union Check	
	Flue	Klano L	フノ	22			340H				₩ Good	☐ Bad
959W		,			1	\$					- '	
Location:	And	ode Size:		Anode Type				Size	Bit:			
P10-26-	10 1	2" × 60	A		_	uw	v		63/4'	//		
Depth Drilled	Depth Log	ped .		ing Rig Time			Lbs. Goke Used		Lost Circulation	Mat'l Used	No. Sacks Mud Us	sed
<u>380'</u>		375'			.,		_	. , .		T	<u> </u>	·, - · · · · · · · · · · · · · · · · · ·
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`,	D. 0	Drilling Co.							
	Drill No. 3								
	DRILLER'S WELL LOG								
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Client Meridias Oil Co. Prospect									
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Driller Konnie Brown									

30-045-20778

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. 10 Twp 26 Rng 10
Name of Well/Wells or Pipeline Serviced HUERFANO UNIT #211
cps 958w
Elevation 6721'Completion Date 8/19/75 Total Depth 480' Land Type* N/A
Casing, Sizes, Types & Depths N/A
If Casing is cemented, show amounts & types used N/A
If Cement or Bentonite Plugs have been placed, show depths & amounts used N/A
Depths & thickness of water zones with description of water when possible: Fresh, Clear, Salty, Sulphur, Etc. 300' MAY 31 190;
Depths gas encountered: N/A OST. 3
Type & amount of coke breeze used: 4400 lbs. Depths anodes placed: 430', 420', 410', 400', 390', 380', 370', 360', 350', 335'
Depths vent pipes placed: N/A
Vent pipe perforations: 215'
Remarks: gb.#1.

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

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

Form 7-238 (Rev. 1-69)

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CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

Dalling Log (Attach Here	eto).				C	ombletion Dai	e U //	, <u>, , , , , , , , , , , , , , , , , , </u>
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	#35.0	# 45.4	= 546	= 6 5 , 2	=75.2	* 8 5.3	= 95.3	# 103.9
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# 11	# 13	; [# 14	 # 15	# 16	 # 17	 # 18	# 19	 # 20
Total Circuit Resistance	10-	 	0 (1)	No. 8 C.P. Ca	_		No. 2 C.P. Cal	ble Used
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Form 22-2 (Rev. 1-61)

EL PASO NATURAL GAS COMPANY

DRILLING DEPARTMENT

S = 18-6-5-19-75 DAILY DRU LING REPORT

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Sheet Page 64 of 132

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30-045-26244

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

Operator MERIDIAN OIL INC. Location: Unit A Sec. 10 Twp 26 Rng 10
Name of Well/Wells or Pipeline Serviced HUERFANO UNIT #122E
cps 1831w
Elevation6716' Completion Date 9/17/87 Total Depth 500' Land Type* N/A
Casing, Sizes, Types & Depths N/A
If Casing is cemented, show amounts & types used N/A
If Cement or Bentonite Plugs have been placed, show depths & amounts used N/A
Depths & thickness of water zones with description of water when possible: Fresh, Clear, Salty, Sulphur, Etc. 150' NO SAMPLE
Depths gas encountered: N/A
Type & amount of coke breeze used: N/A
Depths anodes placed: 405', 375', 330', 320', 310', 300', 290', 280', 270', 260'
Depths vent pipes placed: N/A
Vent pipe perforations: N/A
Remarks: gb #1 HOLE CAVED WHILE LOADING. MAY31 1991
OIL CON. DIV

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

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

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Drilling Log (Attach He	relo)		**		Corr	niletion D	ate 9-17	-87
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BURG CORROSION SYSTEMS

P.O. BOX:1359 PHONE:334-6141 AZTEC, NEW MEXICO:87410 DEEP WELL GROUNDBED LOG

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Date	

BURGE CORROSION SYSTEMS, INC.

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

CPS 18310

COMPANY Meric	lian	DAIL	DRILLING REPORT	9-17	
WELL NAME:		WELL NUMBER:	SECTION:	TOWNSHIP:	RANGE:
Huerfand		122 E	10	26 N	10 W
	WATER AT:	FEET:	HOLE MADE:		
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30-045-20265

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

Operator MERIDIAN OIL Lo	cation: Unit SE Sec. 15 Twp 26 Rng 10
Name of Well/Wells or Pipeline Serviced	HUERFANO UNIT #176
	cps 969w
Elevation 6631 Completion Date 9/5/75 T	otal Depth 325' Land Type* N/A
Casing, Sizes, Types & Depths	N/A
If Casing is cemented, show amounts & t	ypes used N/A
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	150'
Depths gas encountered:N/A	
Type & amount of coke breeze used:	3000 lbs.
Depths anodes placed: 285',275', 250',24	0', 230',220', 190', 180', 170', 16
Depths vent pipes placed: N/A	DECEIVED
Vent pipe perforations: 200'	MAY 3 1 1991
Remarks: (gb:#1	OIL CON. DI
	DIST. ?

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

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

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

CATHODIC PROTECTION CONSTRUCTION REPORT

WELL CASING DAILY LOG

Drilling Log (Attach Hereto).

Completion Date 9-5-75

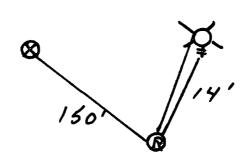
Well Name H	uer f	NO T	/76 Local		-26N	-10W	CPS No.	69 W	
Type & Size B	1t Used //						Work Order 545	No. 69.19 -	50-2
Anode Hole De	15'	Total Drilling Ric		al Lbs. Coke Us 3,000	ed Lost Cir	culation Mat'l Us	ed No. Sacks 1	Mud Used	
Anode Depth # 1 2 85	# 2 275	# 3 250	# 4 2 40	× 5 230	# 6 220	# 7 190	# 8 1 80	#9 170	# 10
Anode Output (# 1 4.8	(Amps) # 2 3.8	# 3 4.4	# 44.4	# 5 4.4	# 6 4.2	#74.0	± 8 5.0	#9 5.0	# 10 4/
Anode Depth	# 12	# 13	 	;# 15	# 16	# 17	! ! !≄ 18	# 19	# 20
Anode Output (# 13	# 14	 	# 16	# 17	 # 18	 # 19	# 20
Total Circuit l	Resistance	nps 16.0	Ohms	0.73	No. 8 C.P. Ca	ble Used	1	No. 2 C.P. Ca	ble Used

Remarks: Drill WiTh Air Driller Said Water AT 130 VENT Hose Perforated 200' Logging Anode stopped AT 302'

All Construction Completed

Eduard R. Paule

GROUND BED LAYOUT SKETCH





MORGAN DRILLING COMPANY

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

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

DATE <u>9-5</u>	-7.5	٠.	San San
Work Order No. <u>5</u>	4569	7-19	
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					Well driller's license number	
Date started				19		
Date completed					Signed	
					Date	

906

Customer's Signature

By Eduard R. Paulah

EL PASO NATURAL GAS COMPANY ENGINEERING DEPARTMENT

She Page 72 of 132

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

Operator MERIDIAN OIL Location: Unit NW Sec. 15 Twp 26 Rng 10
Name of Well/Wells or Pipeline Serviced HUERFANO UNIT #119
cps 968w
Elevation 6681 Completion Date 8/25/75 Total Depth 600 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 ${\tt N/A}$
Depths & thickness of water zones with description of water when possible:
Fresh, Clear, Salty, Sulphur, Etc. 460'
Depths gas encountered:N/A
Type & amount of coke breeze used: 5500 lbs.
Depths anodes placed:540',530', 520',510',485',475', 465', 440', 430', 420
Depths vent pipes placed: N/A
Vent pipe perforations: 200'
1789
OIL CON. DIV

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

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

WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT

DAILY LOG

Drilling Log (Attach Hereto).

Completion Date 8-25-75

HUET favo A		ocation	_ /	CPS No.	- waldetable
	/ /	NW 15 -	26-10		768W
Type & Size Bit Used 63,	14			Work Order	1637
Ancae Hole Depth Tota	ol Drilling Rig Time	Total Lbs. Coke Used 5500	Lost Circulation Mat'i	Used No. Sacks N	lud Used •
Anode Death = 2530 #	3520 # 4516	28485	6 475 # 746.	5 # 8440	- 9430 - 1042
Ancide Output (Amps) # 24.0 #	34.0 # 43.2	# 53.4	63.5 #73.2	#842	# 94.9
Anode Depth # 12 #	13 # 14	# 15	# 17	# 18	# 19 # 20
Anode Output (Amps) # 11 # 12 #	13 # 14	# 15 #	# 17	# 18	# 19
Total Circuit Resistance Volts 10.0 Amps	16.0 Ohms		5300	-	No. 2 C.P. Cable Used

Remarks: Drilled 100'- Dry Next A.M. - Damp at 130 &165
Met at 460 to 480 - Pulled 3 Joints Pipe & West
After Pipe TRAILER - Down Approx 1 Hour - Blew
Water out of Hole at 420 - Coming From 460 To 4
Vent Perforated 200'

Slurry SS Coke

All Construction Completed

(Signature)

GROUND BED LAYOUT SKETCH

75'

9- 21-48-25-79AILY DRILLING REPORT

LEASE			WELL NO.	68-W CON	TRACTO	R			RI	G NO	3991	RE	PORT	10.		DATE		19
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EL PASO NATURAL GAS COMPANY ENGINEERING DEPARTMENT

Sheet Page 76 of 132

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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 INC.	Locat	ion: Unit	H Sec. 15	Twp 26 Rng 10
Name of We	ell/Wells or Pipelin	ne Serviced	HUERFANO U	NIT #176E	
·					cps 1847w
Elevation <u>6</u>	655' Completion Date	9/14/87 Tota	l Depth <u>42</u>	0' Land	Type*_N/A
Casing, Si	zes, Types & Depths	5	N/A		
If Casing	is cemented, show a	amounts & type:	s used	N/A	
	or Bentonite Plugs	have been plac	ced, show	depths &	amounts used
Depths & t	chickness of water a	ones with desc	cription (of water	when possible:
Fresh, Cle	ear, Salty, Sulphur,	Etc	240'		
Depths gas	encountered:	n/A			
Type & amo	ount of coke breeze	used:	N/A		
Depths and	odes placed: 380', 370	', 360', 350', 34	0', 330',	320', 310'	2951 285
Depths ven	t pipes placed:	N/A	<u>D</u> t	EGEIA	<u> </u>
Vent pipe	perforations:	2001	<u>"UU</u>	MAY 3 1 199	1.
Remarks:	gb. #1		0	L 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.

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CATHODIC PROTECTION CONSTRUCTION REPORT DAILY LOG

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BURGE CORROSION SYSTEMS, INC.

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

Date 9-14-87

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FROM

BURGE CORROSION SYSTEMS, INC.

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

DESCRIPTION OF FORMATION

WELL NUMBER:

176 E

DAILY DRILLING REPORT

SECTION:

15

FORMATION IS

HOLE MADE:

Sand Stone

CA 1847W TOWNSHIP: 26 N 10 W COLOR tan ta n

30 70 160 220 160 240 260 420 water sample at 240 ft **Driller Tool Dresser** Released to Imaging: 3/12/2024 12:44:48 PM

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

Operator MERIDIAN OIL Location: Unit SE Sec. 17 Twp 26 Rng 10
Name of Well/Wells or Pipeline Serviced HUERFANO UNIT #104
cps 972w
Elevation 6534 Completion Date 8/22/75 Total Depth 400' Land Type* N/A
Casing, Sizes, Types & Depths N/A
If Casing is cemented, show amounts & types used N/A
If Cement or Bentonite Plugs have been placed, show depths & amounts used N/A
Depths & thickness of water zones with description of water when possible: Fresh, Clear, Salty, Sulphur, Etc. WET AT 140'
Depths gas encountered: N/A
Type & amount of coke breeze used: 4300 lbs.
Depths anodes placed: 315', 305', 295',285',275', 265', 255', 245',235', 22
Depths vent pipes placed: N/A PEGETA
Vent pipe perforations: 200' MAY 100
Remarks: (gb, #1 · O) (COA)
We.

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

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

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

WELL CASING CATHODIC PROTECTION CONSTRUCTION REPORT DAILY LOG

hora s

Drilling Log (Attach Hereto).

Completion Date R. 22-25

Type & Size	Bit Used					6-10	Work Order	<u>72 u</u> 65 9	
Anode Hole	Depth	Total Drilling F		otal Lbs. Coke U #3 <i>00</i>	sed Lost	Circulation Mat	l Used No. Sacks	Mud Used	ary type my s
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Anodé Depth 11	# 12	# 13	# 14	# 15	# 16	# 17	# 18	# 19	# 20
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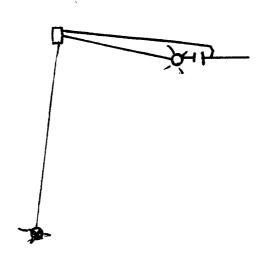
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All Construction Completed

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GROUND BED LAYOUT SKETCH



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Sheet *Page 84_of 132*

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Operator MERIDIAN OIL

Name of Well/Wells or Pipeline Serviced

30-045-20599

Location: Unit SE Sec. 20 Twp 26 Rng 10

HUERFANO UNIT #207

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

	cps 977w
Elevation 6516 Completion Date	10/31/78 Total Depth 320' Land Type* N/A
Casing, Sizes, Types & Depths_	N/A
If Casing is cemented, show am	nounts & types used N/A
If Cement or Bentonite Plugs h	have been placed, show depths & amounts used
Depths & thickness of water zo Fresh, Clear, Salty, Sulphur,	enes with description of water when possible: Etc. 130'
Depths gas encountered:	N/A
Type & amount of coke breeze u	sed: 40 SACKS
Depths anodes placed:290',255'	, 245',235', 225', 215', 205', 195', 185' 175
Depths vent pipes placed:	300'
Vent pipe perforations:	200' MEGETYR
Remarks: (48b. #2.	OIL CON. DAY.
logs, including Drillers Log,	available, please indicate so. Copies of all Water Analyses & Well Bore Schematics should Unplugged abandoned wells are to be included.

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

If Federal or Indian, add Lease Number.

El Paso Natural Gas Company Form 7-238 (Rev. 11-71)

WELL CASING

CATHODIC PROTECTION CONSTRUCTION REPORT

Drilling Log (Attach Hereto).

Completion Date 10-31-78

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Type & Size B	ıt Used					45.	Work Order N	
6 7/L	1			C	ONTRAC	T 12.	54	746.19
Anode Hole De	pth	Total Drilling Ri	g Time Tot	tal Lbs. Coke Us	ed Lost Circ	ulation Mat'l Use	d No. Sacks M	ud Used
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Volts	.4 /	Amps	Ohms	. G 🔯 🦈				
	· -	water to the second	er end of the series	U. S. Sterie Bridge	AVY LALLOW STY	2404 UNIT 24016S	PER ELECTRIC SELECT	

Remarks: Redrill WATER AT 130 APPROX 1.6PM INSTALLED

300 OF VENT PIPE 200 PERFORATED. SLURAIED

40 SACKS OF LOKE

Hole depth = - 180 Ditch + cable = 35 2 Y2 X 48" Graphite

All Construction Completed

ROUND BED LAYOUT SKETCH

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GB#1 0

DISTRIBUTION:

NHITE - Division Corrosion Office

YELLOW - Area Corrosion Office

PINK - Originator File

DRILLING DEPARTMENT

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977W SE20-26-10 Huerfano Unit # 207

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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	2.6 150 2.9			
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DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS NORTHWESTERN NEW MEXICO

(Submit 3 copies to OCD Aztec Office)

Operator MERIDIAN OIL Location: UnitNW Sec.20 Twp 26 Rng 10
Name of Well/Wells or Pipeline Serviced HUERFANO UNIT NP #212
cps 975w
Elevation 6487 Completion Date 9/18/75 Total Depth 375' Land Type* N/A
Casing, Sizes, Types & Depths 18' SURFACE CASING
If Casing is cemented, show amounts & types used N/A
If Cement or Bentonite Plugs have been placed, show depths & amounts used
N/A
Depths & thickness of water zones with description of water when possible:
Fresh, Clear, Salty, Sulphur, Etc. 135'
Depths gas encountered: N/A
Type & amount of coke breeze used: 4100 lbs.
Depths anodes placed: 280',270', 260',250',200', 190', 180', 170', 155', 14'
Vant nine perferations:
MAY 3 1 1004 U
Remarks: cgb:#1 OIL CON. DIV.
UIST. 3 - v -

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

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

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

WELL CASING

CATHODIC PROTECTION CONSTRUCTION REPORT

RT LOS

Drilling Log (Attach Hereto).

Completion Date 9 3 3 7 5

Well Name	luer t	1 ±	Loc	ation	B - A 1	v-10W	CPS No.	56/
Type & Size		4"	2/6	NWZ	0-701	w -/0 w	Work Order No.	13.19-56-2
Anode Hole	Pepth 3	Total Drilling R	ıg Tıme To	otal Lbs. Coke Us	_	ulation Mat'l Used	No. Sacks Mud	an estimated to the
Anode Depti								
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Anode Dept	h ¦	i	i	 		; ;	· · · · ·	
# 11	# 12	# 13	# 14	# 15	¦# 16	# 17 #	18 #	19 # 20 # 20
Anode Outpu	ıt (Amps)					<u> </u>	1	
# 11	# 12	#: 13	# 14	# 15	# 16	#-17. #	18 #	19 # 20
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Volts	11.3	Amps 5	Ohms	0.73	a acasaga aga	2400		
					w net bears .		****	

Remarks: Drill With Air. Driller Said Water

AT 135' Drill To 300' Logged Hole To

240' Not Erough Hole Drill To 375

Logoing Ande Stopped AT 250' Set

18 Surface Casing Logoing Andre

570 ped AT 301' Vent Hose Perform

1...0000

All Construction Completed

College (Signature)

GROUND BED LAYOUT SKETCH

MORGAN DRILLING COMPANY

P.O. Box 326% Broken Bow ; Oklahoma 74728

Ph. Office 405/584-6000 Mobile 584-6860 Night 420-3248 DATE (1-17-15)
Work Order No. 54563.19 50 20

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Customer's Signature

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EL PASO NATURAL GAS COMPANY ENGINEERING DEPARTMENT

Sheet *Page 90_of 132*Date: ______

30-045-20408

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 21 Twp 26 Rng 10
Name of Well/Wells or Pipeline Serviced HUERFANO UNIT #195
cps 978w
Elevation 6534 Completion Date 9/2/75 Total Depth 360 Land Type* N/A
Casing, Sizes, Types & Depths 39' OF 8" PLASTIC CASING
If Casing is cemented, show amounts & types used N/A
If Cement or Bentonite Plugs have been placed, show depths & amounts used N/A
Depths & thickness of water zones with description of water when possible:
Fresh, Clear, Salty, Sulphur, Etc. 172'-200'
Depths gas encountered: N/A
Type & amount of coke breeze used: 3500 lbs.
Depths anodes placed: 320', 310', 300', 260', 250', 240', 230', 220', 210', 20
Depths vent pipes placed: N/A DEFINED
Vent nine perforations: 200'
Remarks: (gb. #1 / MAY 3 1 1991
OIL CON. DIV

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

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

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DAILY DRILLING REPORT

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EL PASO NATURAL GAS COMPANY ENGINEERING DEPARTMENT

Sheet *Page 96 of 132*Date: _____

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

Operator MERIDIAN OIL Location: Un	nit SE Sec. 21 Twp 26 Rng 10
Name of Well/Wells or Pipeline Serviced HUERFANO	O UNIT #196
	cps 979w
Elevation 6590' Completion Date 8/29/75 Total Depth	i 450' Land Type* N/a
Casing, Sizes, Types & Depths N/A	
If Casing is cemented, show amounts & types used_	N/A
If Cement or Bentonite Plugs have been placed, sh	now depths & amounts used
Depths & thickness of water zones with description	
Fresh, Clear, Salty, Sulphur, Etc. WET AT 85'-11	_
Depths gas encountered: N/A	
Type & amount of coke breeze used: 4600 lbs.	
Depths anodes placed: 355', 345', 335', 325', 315', 30	05', 295', 285', 275', 265'
Depths vent pipes placed: N/A	
Vent pipe perforations: 250'	GEIVEM
	1AY 3 <u>1</u> 1991 —
_	CON. DIV
If any of the above data is unavailable, please is logs, including Drillers Log, Water Analyses & Webbe submitted when available. Unplugged abandoned	ndicate so. Copies of all ll Bore Schematics should

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

If Federal or Indian, add Lease Number.

Released to Imaging: 3/12/2024 12:44:48 PM

Dulling Log (Attach Hereto).

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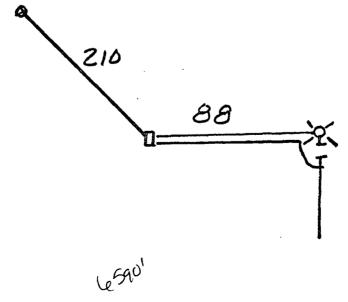
CATHODIC PROTECTION CONSTRUCTION REPURT DAILY LOG

WELL CASING I Completion Date

EZ1-26-10 Work Order Ho. Total Drilling Rig Time Lost Circulation Mat*l Used 600 # 6305 # 7295 # 8Z8S #75,6 # 8 4 9 Anode Output (Amps) # 13 # 15 # 17 # 18 # 12

All Construction Completed

GROUND BED LAYOUT SKETCH



LEASE		WELL NO.9	79-W CON	NTRACTO	R			RIG NO	.399	, REF	PORT N).		DATE		19				
	N	ORNING				DA	YLIGHT				EVENING									
Driller		Total Men In (Crew	Driller			Total Men	In Crew		Driller				Total Men In C	rew					
FROM	то	FORMATION	WT-BIT R.P.M.	FROM		то	FORMATION	WT-	BIT R.P.M.	FROM		то		FORMATION	WT-BIT	R.P.M.				
0.0	22'	Sand		ِهُ ک	8.	5 '	Shale gray			142'	15	o′	Sh	ale						
22'	58'	Sandstone		85'	110		Sand stone			150'	15	7′		ndstone						
58'	75"	Shale gray		110'	12-	7'.	Shele gray			157'				lale						
	80'	Sandstone		127'	14	z′.	Sandstone			160'	20	> o '	50	rostone						
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EL PASO NATURAL GAS COMPANY ENGINEERING DEPARTMENT

Sheet Page 100 of 132

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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 Lo	ocation: Unit C Sec. 22 Twp 26 Rng 10
Name of Well/Wells or Pipeline Serviced	HUERFANO UNIT #178
	cps 980w
Elevation 6627 Completion Date 9/15/87	Total Depth 360' Land Type* N/A
Casing, Sizes, Types & Depths N/A	
If Casing is cemented, show amounts & t	cypes used N/A
If Cement or Bentonite Plugs have been N/A	placed, show depths & amounts used
Depths & thickness of water zones with	description of water when possible:
Fresh, Clear, Salty, Sulphur, Etc	140'
Depths gas encountered: N/A	
Type & amount of coke breeze used: N	<u>'A</u>
Depths anodes placed: 320', 305', 295', 28	
Depths vent pipes placed: N/A	
Vent pipe perforations: UP TO 130'	MAY37 1991
Remarks: (gb #2.	Oll

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

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

FM-07-0238 (Rev 10-82)

CATHODIC PROTECTION CONSTRUCTION REPORT

Drilling Log (Astach Herei	(0)				Co	ompletion D	ate 9-15	-82
CPS # W	Tell Name, Line or Plant:		Work Orde	T #	Static:		Ins. Union Checker.	
980W	Huerfand	178				e w	12-000	Bad .
Nov 22-267	Anode Size	Anode Type:	inico	الم	(c) 3/4			
Depth Drilled 360	Depth Logged 353	Druking Rig Time	S Total	Lbs. Coke Used	Lost Circulation		No Sacks Mud Us	<u> </u>
Anode Depth 23	05 3295	* 4 R 85 "	s 275	±6 265	a, 755	1 = 8 245	1.9235	# 10 D 20
Anode Output (Amps)	9 :35.8	# 4 5, 6	5 4.8	#65.8	#76,0	L 8 6./	8.96	# 10 G . Z
Anode Depth # 12	# 13	1 1	15	# 16	# 17	# 18	# 19	# 20
Anode Output (Amps)	T i ii	# 14 #	15	≈ 16 No. 8 C.P. Cab	# 17	# 18	# 19	# 20
Total Circuit Resistance Volts 11.4	←	S Chma.	55	No. 8 C.P. Cab	le Used		No. 2 C.P. Cat	ole Used
Remarks: Drille	s suid a	vater a	vast a	1 140	01.0	enx p	1/20	25
Remarks: Drille perfara	ted up	8/	30'	No wo	ater	San	ple	
was de	aten.	·					n 5.0	
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		1175					·	on the second
Rectifier Size:Addn'l Depth		A 4300 - 588				All Construc	tion Complete	d:
Depth Credit:	51 V 19.	_ 3 // & _ 3 /			Z	inch	In ich	P
Ditch & 1 Cable: Ditch & 2 Cable	:		1			(5.8	nature)	
25' Neter Pole: 20' Neter Pole:		- 6B	72					
<pre>10' Stub Pole: Junction Box: _</pre>	4000	- /					,	
3771,89		/51'						
/ Q Q , A: 29)		1		1	* - 			
188.60 3960.49683	₹ 1	790W			D:1			
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3960.49G83	☆ 1	☐ 980 <i>w</i>		<u> </u>	P; †			,
3960.49G83	△ ⁻ 	780 <i>u</i>		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	P;+ }			N

BURGE CORROSION SYSTEMS, INC.

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

aps 98000

DAIL	Y DRILLING REPORT	9-15	19 67
WELL NUMBER:	SECTION:	TOWNSHIP:	RANGE:
178	22	26 N	pw
FEET:	HOLE MADE:	360 Ft	
DESCRIPTION OF	FORMATION		
	FORMATION IS		COLOR
50	and,		tan
SandySha	le + Shale		Grey Purpe
Wafer	Sand		Cref
Sand	Stone		Gel
Shal	e		Grev
Sand	Stone		Crev
Shal	e		Purle
Sand	stone		Grey
·			
			- 9.42 (14.27)
le at le	60 Ft.		
Driller			Tool Dresser
	WELL NUMBER: 178 FEET: DESCRIPTION OF Sand Shall Sand Shall Sand Shall Sand	FEET: HOLE MADE: 6 3/4 DESCRIPTION OF FORMATION FORMATION IS Sand Sa	WELL NUMBER: SECTION: TOWNSHIP: 178 22 26 N FEET: HOLE MADE: 63/4 360 Ft DESCRIPTION OF FORMATION FORMATION IS Sand Sand Shale + Shale Wafer Sand Sand Stone Shale Sand Stone Shale Sand Stone Shale Sand Stone And Stone Shale Sand Stone Shale Sand Stone Shale Sand Stone

MERIDIAN OIL

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

Date 9-15-87

DEEP WELL GROUNDBED LOG

	DEEP WELL GROUNDBE	D LOG
Company Meri	Dian Oil CB	sige Corr.)
Well No. 78 Lo	ocation Huertano	D LOG Parge Conn Volts Applied 11. 4 Amperes
5	230 7.6 4	455 0320 2.9 680 50
10		460 (2) 3 (2) 5 3 (2) 685 4 9
15		465 (3)275 (3)0 690 (5)
20 25		470 (4) 28 5 2 7 695 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
	 	475 (5) (7) (3) (700 (7) (8) (8) (8) (48) (48) (5) (5) (2) (7) (5) (8) (8) (8) (8) (8) (8) (8) (8) (8) (8
30		485 7 25 5 3 6 710 6 0
40		490 37 745 3.0 715 6. 1
45		495 5 2 3 5 2 9 720 6 8
50		500 000 5 3 7 725 6.2
55		730
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135	360	585 810
140		590 815
145 / /		595 820 600 825
		605 830
155 7. 5		610 835
165 25		615 840
170 2 2	1	620 845
175 76		850
180 2 5		630 855
185 7 5 190 1. 8	1 1-1-1-1-1	635 860
190 // 8	†	645 865 870
200 // 2	 	650 875
205 2 3	1	655 880
210 23 5		660 885
215	440	665
220 2 6	1 1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	670 895
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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 INC.	Location:	Unit_K	Sec. 36	_Twp26	Rng 10
Name of Wel	l/Wells or Pipeline Serv	riced HUE	RFANO UNI	r #177E		
					cps	s 1967w
Elevation 662	20' Completion Date 6/22/8	8 Total De	pth 250'	Land	Type*	N/A
Casing, Siz	es, Types & Depths	20' CAS	ING			
If Casing i	s cemented, show amounts	& types us	edN/	A		
If Cement o	r Bentonite Plugs have b	een placed,	show de	epths &	amoun	ts used
_	ickness of water zones w	_			wh en po	ossible:
Depths gas	encountered: N/A					
Type & amou	nt of coke breeze used:_	N/A				
Depths anode	es placed: 230', 220', 210'	, 200', 180',	170 ', 160	', 150',	140',	130'
Depths vent	pipes placed:	250 '	D F	GEI	AEI	
Vent pipe pe	erforations: 250'		וען	MAY 2 1 19	191	ע
Remarks: gb				CON.		_
				\DIST. 3		

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

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

FM-07-1238 (Rev. 10-82)

WELL CASING CATHODIC PROTECTION CONSTRUCTION REPORT DAILY LOG

ತ					est		,	
Drilling Log (Attach He	reso) 🔀		Coup	6-23-8	c	omplețion :	Date 6 - 2	9-88
CPS #	Well Name, Line or Plant:		Work	Order #	Static:		Ins Union Chec	k
	Theret fan	0 1711	5	4531A	6003	= 854	Good	☐ Bad`
196710			$ 2^{o}$	24531 H			_	
ocation.	Anode Size:		Туре		Size Bit:			
K36-26-1		Name. Line or Plant: Work Order * Static: WENT FAMOW 1997 F. 5.4551A GO 05 = 854 GOOD GOOD GOOD GOOD GOOD GOOD GOOD GOO						
epth Drilled	Depth Logged	Drilling Rig 7	Time T	Total Lbs. Goke Used	Lost Circulatio	n Mat'l Used	No Sacks Mud	Used
node Depth		4	-		1 4:0	1 . /=		
# 1230 # 2 Anode Output (Amps)	990 # 3 <i>9/</i> 0	0 # 4 20C) # 5 /BC) # 6 /7/	#7/60	# 8/5O	#9/40	# 10 /50
# 1 2 4 # 2	4.6 #368	3 4 6	3 45 41	7 4620	#7.	1 8 4	#9.50	# 1054
Anode Depth	11.0		!	1	1 0.2	1	1	1 0.7
# 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	nce	7		No. 8 C.P. C	able Used		No. 2 C.P. C	
Volts /2.0	Amps 28	Ohms	1420					
Remarks: MO	static.	test o	due.	to com	poresta	C Con	nocto	and at
4.1000	land of	7.1.10	0 1	0/01		1		
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APPENDIX C

Executed C-138 Solid Waste Acceptance Form

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

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

Form C-138 Revised 08/01/11

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

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

	Generator Name and Address: terprise Field Services, LLC, 614 Reilly Ave, Farmington NM 87401	PayKey: AM14058 PM: ME Eddleman AFE: Pending
2.	Originating Site: Trunk 2C	
3.	Location of Material (Street Address, City, State or ULSTR): UL H Section 16 T26N R10W; 36.490370, -107.894467	October
	Source and Description of Waste: urce: Remediation activities associated with a natural gas pipeline leak. scription: Hydrocarbon/Condensate impacted soil associated natural gas pipeline release. timated Volume 50 yd3/bbls Known Volume (to be entered by the operator at the end	of the haul) 108/1 (yd3/bbls)
5.	GENERATOR CERTIFICATION STATEMENT OF WA	STE STATUS
ce	Thomas Long, representative or authorized agent for Enterprise Products Operati Generator Signature rtify that according to the Resource Conservation and Recovery Act (RCRA) and the US Engulatory determination, the above described waste is: (Check the appropriate classification)	nvironmental Protection Agency's July 1988
	RCRA Exempt: Oil field wastes generated from oil and gas exploration and product exempt waste. Operator Use Only: Waste Acceptance Frequency Monthly	
	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 hazard subpart D, as amended. The following documentation is attached to demonstrate the about the appropriate items)	ous 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 STATEM	IENT FOR LANDFARMS
	Thomas Long 8-10-2023, representative for Enterprise Products Operating auth Generator Signature e required testing/sign the Generator Waste Testing Certification.	orizes Envirotech, Inc. to complete
ha of 19	G. Crabbee, representative for Envirotech, Inc. presentative samples of the oil field waste have been subjected to the paint filter test and test we been found to conform to the specific requirements applicable to landfarms pursuant to the representative samples are attached to demonstrate the above-described waste conform 15.36 NMAC.	Section 15 of 19.15.36 NMAC. The results
_	Transporter: Enterprise subcontractors.	
0	CD Permitted Surface Waste Management Facility	
	Name and Facility Permit #: Envirotech Inc. Soil Remediation Facility * Permit #: No. Address of Facility: Hilltop, NM Method of Treatment and/or Disposal: Evaporation Injection Treating Plant Landfarm	M 01-0011 Landfill □ Other
PF	RINT NAME: Greg Conblore TITLE: ENVIRON MAN IGNATURE: TELEPHONE NO.:	(Must Be Maintained As Permanent Record) Ageic DATE: 10/19/23 32-0615



APPENDIX D

Photographic Documentation

Closure Report Enterprise Field Services, LLC Trunk 2C (10/24/23) Ensolum Project No. 05A1226289



Photograph 1

Photograph Description: View of the excavation.



Photograph 2

Photograph Description: View of the excavation.



Photograph 3

Photograph Description: View of the site after initial restoration.





APPENDIX E

Regulatory Correspondence

From: Knight, Tami C.

To: Long, Thomas; SLO Spills
Cc: Stone, Brian; Kyle Summers

Subject: [EXTERNAL] RE: Trunk 2C - UL H Section 16 T26N R10W; 36.490370, -107.894467; NMOCD Incident #

nAPP2329746361

Date: Tuesday, October 24, 2023 1:48:45 PM

Attachments: <u>image002.jpg</u>

image003.jpg image004.jpg image005.jpg image006.jpg

[Use caution with links/attachments]

Tom,

I am forwarding this email for you to our spills@slo.state.nm.us email. Please remember to submit all new spill notifications to this email address.

Thank you

PLEASE SUBMIT WORKPLANS AND REPORTS TO ECO@SLO.STATE.NM.US

Tami Knight, CHMM

Environmental Specialist
SRD-Environmental
Compliance Office (ECO)
505.670.1638
New Mexico State Land Office
1300 W. Broadway Avenue, Suite A
Bloomfield, NM 87413
tknight@slo.state.nm.us
nmstatelands.org

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From: Long, Thomas <tjlong@eprod.com> Sent: Tuesday, October 24, 2023 1:02 PM

To: 'Velez, Nelson, EMNRD' <Nelson.Velez@state.nm.us>; Knight, Tami C. <tknight@slo.state.nm.us>

Cc: Stone, Brian

Stone@eprod.com>; Kyle Summers <ksummers@ensolum.com>

Subject: [EXTERNAL] Trunk 2C - UL H Section 16 T26N R10W; 36.490370, -107.894467; NMOCD

Incident # nAPP2329746361

Nelson/Tami,

This email is a notification that Enterprise has a release of natural gas and condensate from the Trunk C pipeline on October 19, 2023. No washes nor waterways were affected. No fire nor injuries occurred. Minimal liquids were observed on the ground surface. Enterprise determined the release reportable per NMOCD regulation today due the volume of impacted subsurface soil.

The email is also 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 closure samples on Wednesday, October 25, 2023 at 10:00 a.m.

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)
tilong@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.



APPENDIX F

Table 1 – Soil Analytical Summary

ENSOLUM

TABLE 1 Trunk 2C (10/24/23) SOIL ANALYTICAL SUMMARY													
Sample I.D.	Date	Sample Type	Sample Depth	Benzene	Toluene	Ethylbenzene	Xylenes	Total BTEX ¹	TPH GRO	TPH DRO	TPH MRO	Total Combined TPH	Chloride
C- Composite (feet) G - Grab			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(GRO/DRO/MRO) ¹ (mg/kg)	(mg/kg)	
	Depa onservation Div	neral & Natural rtment rision Closure (ier I)		10	NE	NE	NE	50	NE	NE	NE	100	600
			Composi	ite Soil Sample	s From Soils R	emoved by Exc	avation and Tra	ansported to the	e Landfarm for	Disposal/Reme	ediation		
SP-1	10.25.23	С	Stockpile	<0.017	<0.034	<0.034	<0.068	ND	<3.4	57	99	160	<60
						Excavation	Composite So	il Samples					
S-1	10.25.23	С	7	<0.016	<0.033	< 0.033	<0.065	ND	<3.3	<9.4	<47	ND	<60
S-2	10.25.23	С	0 to 7	<0.019	<0.038	<0.038	<0.075	ND	<3.8	<9.1	<46	ND	<60
S-3 10.25.23 C (0 to 7	<0.018	<0.035	<0.035	<0.071	ND	<3.5	46	51	97	<60	
S-4 10.25.23 C 0 to 7		0 to 7	<0.020	<0.039	<0.039	<0.078	ND	<3.9	<8.6	<43	ND	<60	
S-5	10.25.23	С	0 to 7	<0.018	<0.036	<0.036	<0.072	ND	<3.6	<9.7	<49	ND	<60

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

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

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



APPENDIX G

Laboratory Data Sheets & Chain of Custody Documentation



Eurofins Environment Testing South Central, LLC 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

November 02, 2023

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

FAX:

RE: Trunk 2C Oct 2023 OrderNo.: 2310C24

Dear Kyle Summers:

Eurofins Environment Testing South Central, LLC received 6 sample(s) on 10/26/2023 for the analyses presented in the following report.

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

Please do not hesitate to contact Eurofins Albuquerque for any additional information or clarifications.

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

Sincerely,

Andy Freeman

Laboratory Manager

andyl

4901 Hawkins NE

Albuquerque, NM 87109

Date Reported: 11/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: S-1

 Project:
 Trunk 2C Oct 2023
 Collection Date: 10/25/2023 10:00:00 AM

 Lab ID:
 2310C24-001
 Matrix: SOIL
 Received Date: 10/26/2023 7:30:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	KCB
Chloride	ND	60	mg/Kg	20	10/26/2023 11:46:38 AM	l 78391
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	DGH
Diesel Range Organics (DRO)	ND	9.4	mg/Kg	1	10/26/2023 10:47:30 AM	l 78384
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	10/26/2023 10:47:30 AM	l 78384
Surr: DNOP	102	69-147	%Rec	1	10/26/2023 10:47:30 AM	l 78384
EPA METHOD 8015D: GASOLINE RANGE					Analyst	KMN
Gasoline Range Organics (GRO)	ND	3.3	mg/Kg	1	10/26/2023 11:36:00 AM	GS10075
Surr: BFB	106	15-244	%Rec	1	10/26/2023 11:36:00 AM	I GS10075
EPA METHOD 8021B: VOLATILES					Analyst	KMN
Benzene	ND	0.016	mg/Kg	1	10/26/2023 11:36:00 AM	BS10075
Toluene	ND	0.033	mg/Kg	1	10/26/2023 11:36:00 AM	I BS10075
Ethylbenzene	ND	0.033	mg/Kg	1	10/26/2023 11:36:00 AM	I BS10075
Xylenes, Total	ND	0.065	mg/Kg	1	10/26/2023 11:36:00 AM	I BS10075
Surr: 4-Bromofluorobenzene	89.0	39.1-146	%Rec	1	10/26/2023 11:36:00 AM	BS10075

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

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Date Reported: 11/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: S-2

 Project:
 Trunk 2C Oct 2023
 Collection Date: 10/25/2023 10:05:00 AM

 Lab ID:
 2310C24-002
 Matrix: SOIL
 Received Date: 10/26/2023 7:30:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: KCB
Chloride	ND	60	mg/Kg	20	10/26/2023 11:59:03 AM	1 78391
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	DGH
Diesel Range Organics (DRO)	ND	9.1	mg/Kg	1	10/26/2023 10:58:04 AM	1 78384
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	10/26/2023 10:58:04 AM	1 78384
Surr: DNOP	104	69-147	%Rec	1	10/26/2023 10:58:04 AM	1 78384
EPA METHOD 8015D: GASOLINE RANGE					Analyst	KMN
Gasoline Range Organics (GRO)	ND	3.8	mg/Kg	1	10/26/2023 11:57:00 AM	I GS10075
Surr: BFB	106	15-244	%Rec	1	10/26/2023 11:57:00 AM	1 GS10075
EPA METHOD 8021B: VOLATILES					Analyst	KMN
Benzene	ND	0.019	mg/Kg	1	10/26/2023 11:57:00 AM	1 BS10075
Toluene	ND	0.038	mg/Kg	1	10/26/2023 11:57:00 AM	1 BS10075
Ethylbenzene	ND	0.038	mg/Kg	1	10/26/2023 11:57:00 AM	1 BS10075
Xylenes, Total	ND	0.075	mg/Kg	1	10/26/2023 11:57:00 AM	1 BS10075
Surr: 4-Bromofluorobenzene	91.5	39.1-146	%Rec	1	10/26/2023 11:57:00 AM	1 BS10075

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

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Date Reported: 11/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: S-3

 Project:
 Trunk 2C Oct 2023
 Collection Date: 10/25/2023 10:10:00 AM

 Lab ID:
 2310C24-003
 Matrix: SOIL
 Received Date: 10/26/2023 7:30:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	KCB
Chloride	ND	60	mg/Kg	20	10/26/2023 12:11:28 PM	l 78391
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst	DGH
Diesel Range Organics (DRO)	46	9.7	mg/Kg	1	10/26/2023 12:35:57 PM	l 78384
Motor Oil Range Organics (MRO)	51	48	mg/Kg	1	10/26/2023 12:35:57 PM	1 78384
Surr: DNOP	109	69-147	%Rec	1	10/26/2023 12:35:57 PM	l 78384
EPA METHOD 8015D: GASOLINE RANGE					Analyst	KMN
Gasoline Range Organics (GRO)	ND	3.5	mg/Kg	1	10/26/2023 12:19:00 PM	GS10075
Surr: BFB	101	15-244	%Rec	1	10/26/2023 12:19:00 PM	I GS10075
EPA METHOD 8021B: VOLATILES					Analyst	KMN
Benzene	ND	0.018	mg/Kg	1	10/26/2023 12:19:00 PM	BS10075
Toluene	ND	0.035	mg/Kg	1	10/26/2023 12:19:00 PM	I BS10075
Ethylbenzene	ND	0.035	mg/Kg	1	10/26/2023 12:19:00 PM	I BS10075
Xylenes, Total	ND	0.071	mg/Kg	1	10/26/2023 12:19:00 PM	I BS10075
Surr: 4-Bromofluorobenzene	91.4	39.1-146	%Rec	1	10/26/2023 12:19:00 PM	BS10075

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

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
 J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Date Reported: 11/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: S-4

Project: Trunk 2C Oct 2023 **Collection Date:** 10/25/2023 10:15:00 AM Lab ID: 2310C24-004 Matrix: SOIL Received Date: 10/26/2023 7:30:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	KCB
Chloride	ND	60	mg/Kg	20	10/26/2023 12:23:53 PM	1 78391
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst	DGH
Diesel Range Organics (DRO)	ND	8.6	mg/Kg	1	10/26/2023 11:19:16 AM	1 78384
Motor Oil Range Organics (MRO)	ND	43	mg/Kg	1	10/26/2023 11:19:16 AM	1 78384
Surr: DNOP	102	69-147	%Rec	1	10/26/2023 11:19:16 AM	1 78384
EPA METHOD 8015D: GASOLINE RANGE					Analyst	KMN
Gasoline Range Organics (GRO)	ND	3.9	mg/Kg	1	10/26/2023 12:41:00 PM	1 GS10075
Surr: BFB	103	15-244	%Rec	1	10/26/2023 12:41:00 PM	1 GS10075
EPA METHOD 8021B: VOLATILES					Analyst	KMN
Benzene	ND	0.020	mg/Kg	1	10/26/2023 12:41:00 PM	1 BS10075
Toluene	ND	0.039	mg/Kg	1	10/26/2023 12:41:00 PM	1 BS10075
Ethylbenzene	ND	0.039	mg/Kg	1	10/26/2023 12:41:00 PM	1 BS10075
Xylenes, Total	ND	0.078	mg/Kg	1	10/26/2023 12:41:00 PM	1 BS10075
Surr: 4-Bromofluorobenzene	88.2	39.1-146	%Rec	1	10/26/2023 12:41:00 PM	1 BS10075

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

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- Analyte detected below quantitation limits
- Sample pH Not In Range
- RL Reporting Limit

Date Reported: 11/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: S-5

Project: Trunk 2C Oct 2023 **Collection Date:** 10/25/2023 10:20:00 AM Lab ID: 2310C24-005 Matrix: SOIL Received Date: 10/26/2023 7:30:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: KCB
Chloride	ND	60	mg/Kg	20	10/26/2023 12:36:18 PM	1 78391
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	DGH
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	10/26/2023 11:29:56 AM	1 78384
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	10/26/2023 11:29:56 AM	1 78384
Surr: DNOP	109	69-147	%Rec	1	10/26/2023 11:29:56 AM	1 78384
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: KMN
Gasoline Range Organics (GRO)	ND	3.6	mg/Kg	1	10/26/2023 1:02:00 PM	GS10075
Surr: BFB	102	15-244	%Rec	1	10/26/2023 1:02:00 PM	GS10075
EPA METHOD 8021B: VOLATILES					Analyst	KMN
Benzene	ND	0.018	mg/Kg	1	10/26/2023 1:02:00 PM	BS10075
Toluene	ND	0.036	mg/Kg	1	10/26/2023 1:02:00 PM	BS10075
Ethylbenzene	ND	0.036	mg/Kg	1	10/26/2023 1:02:00 PM	BS10075
Xylenes, Total	ND	0.072	mg/Kg	1	10/26/2023 1:02:00 PM	BS10075
Surr: 4-Bromofluorobenzene	86.5	39.1-146	%Rec	1	10/26/2023 1:02:00 PM	BS10075

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

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value Analyte detected below quantitation limits
- Sample pH Not In Range
- RL Reporting Limit

Date Reported: 11/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: SP-1

Project: Trunk 2C Oct 2023 **Collection Date:** 10/25/2023 10:25:00 AM Lab ID: 2310C24-006 Matrix: SOIL Received Date: 10/26/2023 7:30:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	KCB
Chloride	ND	60	mg/Kg	20	10/26/2023 12:48:43 PM	78391
EPA METHOD 8015M/D: DIESEL RANGE OF	RGANICS				Analyst	DGH
Diesel Range Organics (DRO)	57	8.9	mg/Kg	1	10/26/2023 11:40:36 AM	78384
Motor Oil Range Organics (MRO)	99	44	mg/Kg	1	10/26/2023 11:40:36 AM	78384
Surr: DNOP	107	69-147	%Rec	1	10/26/2023 11:40:36 AM	78384
EPA METHOD 8015D: GASOLINE RANGE					Analyst	KMN
Gasoline Range Organics (GRO)	ND	3.4	mg/Kg	1	10/26/2023 1:24:00 PM	GS10075
Surr: BFB	110	15-244	%Rec	1	10/26/2023 1:24:00 PM	GS10075
EPA METHOD 8021B: VOLATILES					Analyst	KMN
Benzene	ND	0.017	mg/Kg	1	10/26/2023 1:24:00 PM	BS10075
Toluene	ND	0.034	mg/Kg	1	10/26/2023 1:24:00 PM	BS10075
Ethylbenzene	ND	0.034	mg/Kg	1	10/26/2023 1:24:00 PM	BS10075
Xylenes, Total	ND	0.068	mg/Kg	1	10/26/2023 1:24:00 PM	BS10075
Surr: 4-Bromofluorobenzene	88.5	39.1-146	%Rec	1	10/26/2023 1:24:00 PM	BS10075

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

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- Analyte detected below quantitation limits
- Sample pH Not In Range
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

WO#: **2310C24** *02-Nov-23*

Client: ENSOLUM

Project: Trunk 2C Oct 2023

Sample ID: MB-78391 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 78391 RunNo: 100758

Prep Date: 10/26/2023 Analysis Date: 10/26/2023 SeqNo: 3696871 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Chloride ND 1.5

Sample ID: LCS-78391 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 78391 RunNo: 100758

Prep Date: 10/26/2023 Analysis Date: 10/26/2023 SeqNo: 3696872 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Chloride 14 1.5 15.00 0 91.1 90 110

- Value exceeds Maximum Contaminant Level
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

5.5

2310C24

WO#:

02-Nov-23

Client: ENSOLUM

Surr: DNOP

Project: Trunk 2C Oct 2023

Sample ID: LCS-78309 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: LCSS Batch ID: 78309 RunNo: 100752

Prep Date: 10/23/2023 Analysis Date: 10/26/2023 SeqNo: 3695386 Units: %Rec

5.000

SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Analyte Result LowLimit Qual Surr: DNOP 5.6 5.000 111 69 147

Sample ID: LCS-78384 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: LCSS Batch ID: 78384 RunNo: 100752 Prep Date: 10/26/2023 Analysis Date: 10/26/2023 SeqNo: 3695387 Units: mg/Kg %REC %RPD **RPDLimit** Analyte Result PQL SPK value SPK Ref Val LowLimit HighLimit Qual Diesel Range Organics (DRO) 47 10 50.00 94.7 61.9 130

69

147

Sample ID: MB-78384 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: PBS Batch ID: 78384 RunNo: 100752 Analysis Date: 10/26/2023 Prep Date: 10/26/2023 SeqNo: 3695388 Units: mg/Kg PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit**

 Diesel Range Organics (DRO)
 ND
 10

 Motor Oil Range Organics (MRO)
 ND
 50

 Surr: DNOP
 9.4
 10.00
 93.9
 69
 147

- Value exceeds Maximum Contaminant Level
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

2310C24 02-Nov-23

WO#:

Client: ENSOLUM

Project: Trunk 2C Oct 2023

Sample ID: 2.5ug gro Ics SampType: LCS TestCode: EPA Method 8015D: Gasoline Range Client ID: LCSS Batch ID: GS100755 RunNo: 100755 Prep Date: Analysis Date: 10/26/2023 SeqNo: 3695588 Units: mg/Kg Analyte PQL SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Result LowLimit Qual

 Gasoline Range Organics (GRO)
 24
 5.0
 25.00
 0
 97.0
 70
 130

 Surr: BFB
 2300
 1000
 228
 15
 244

Sample ID: mb SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

Client ID: PBS Batch ID: GS100755 RunNo: 100755

Prep Date: Analysis Date: 10/26/2023 SeqNo: 3695589 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Gasoline Range Organics (GRO) ND 5.0

Surr: BFB 1100 1000 107 15 244

- Value exceeds Maximum Contaminant Level
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

2310C24 02-Nov-23

WO#:

Client: ENSOLUM

Project: Trunk 2C Oct 2023

Sample ID: 100ng btex lcs	Samp	SampType: LCS			TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batc	h ID: BS	100755	F	RunNo: 10	00755						
Prep Date:	Analysis [Date: 10	/26/2023	(SeqNo: 30	695576	Units: mg/K	(g				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Benzene	0.90	0.025	1.000	0	89.9	70	130					
Toluene	0.91	0.050	1.000	0	90.7	70	130					
Ethylbenzene	0.93	0.050	1.000	0	92.9	70	130					
Xylenes, Total	2.8	0.10	3.000	0	92.6	70	130					
Surr: 4-Bromofluorobenzene	0.93		1.000		93.4	39.1	146					

Sample ID: mb	Samp	Туре: МЕ	BLK	Tes	tCode: EF					
Client ID: PBS	Batc	h ID: BS	100755	F	RunNo: 10	00755				
Prep Date:	Analysis Date: 10/26/2023			(SeqNo: 30	695577	Units: mg/K	g		
Analyte	Result PQL SPK value		SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ylenes, Total ND 0.10									
Surr: 4-Bromofluorobenzene	0.93		1.000		93.2	39.1	146			

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Sample Log-In Check List

Released to Imaging: 3/12/2024 12:44:48 PM

Client Name:	ENSOLUM		Work	Order Num	ber: 2310C24		RcptNo: 1	I
Received By:	Juan Roja	5	10/26/20	023 7:30:00) AM	Glean Engly		
Completed By:	20an 12	= 195	10/26	123				
Reviewed By: 5		0/26/25		• 2				
Chain of Cust	<u>ody</u>							
1. Is Chain of Cus	stody compl	ete?			Yes 🗸	No 🗌	Not Present	
2. How was the s	ample delive	ered?			Courier			
Log In 3. Was an attemp	ot made to c	ool the samp	les?		Yes 🗹	No 🗆	na 🗆	
4. Were all sampl	es received	at a tempera	ture of >0° C	to 6.0°C	Yes 🗹	No 🗌	NA 🗌	
5. Sample(s) in p	roper contai	ner(s)?			Yes 🗸	No 🗌		
6. Sufficient samp	ole volume fo	or indicated te	est(s)?		Yes 🗹	No 🗆		
7. Are samples (e	xcept VOA	and ONG) pro	perly preserve	ed?	Yes 🗹	No 🗌		
8. Was preservati	ve added to	bottles?			Yes 🗌	No 🗹	NA 🗆	
9. Received at lea	ast 1 vial with	n headspace	<1/4" for AQ V	OA?	Yes 🗌	No 🗌	NA 🗹	
10. Were any sam	ple containe	ers received b	roken?		Yes 🗆	No 🗹	# of preserved bottles checked	
11. Does paperwor (Note discrepar)		Yes 🗹	No 🗌	for pH: (<2 or >	12 unless noted)
12. Are matrices co	orrectly iden	tified on Chai	n of Custody?		Yes 🗸	No 🗌	Adjusted?	
13. Is it clear what	analyses we	ere requested	?		Yes 🗹	No 📙	31 - 11	10/26/
14. Were all holding (If no, notify cur	-				Yes 🗹	No 🗀	Checked by: 1V	10/201
Special Handli	ng (if app	licable)						
15. Was client not	ified of all d	screpancies v	with this order	?	Yes 🗌	No 🗆	NA 🗹	
Person N	Notified:			Date				
By Whor	m:			Via:	eMail	Phone 🗌 Fax	☐ In Person	
Regardir						-		
Client In	structions:							
16. Additional ren		e number, on	COC. JR 10/2	6/23				
17. Cooler Inform	<u>nation</u>							
Cooler No	Temp ⁰C	Condition	Seal Intact	Seal No	Seal Date	Signed By		
1	3.0	Good	Yes	Yogi				

C	Chain-of-Custody Record			Turn-Around Time: Sand			**										ENT		
Client:	Ens	olum	LLC	□ Standard		1807 Day				AN	AL	YS	IS	L	AB	OR	ATC)R	Y
				Project Name		11	1000			ww	w.hal	lenvi	ronn	nenta	al.cor	n			
Mailing	Address	606 5	- RioGrande, Suitest	Trun	k 2C	(Oct. 2023)	1	490	1 Ha	wkins	NE -	Alb	uque	erque	e, NV	18710	9		
A-1		11 4 8	9410	Project #:			Tel. 505-345-3975 Fax 505-345-4107 Analysis Request										THE VI		
Phone #	/:		to the second	5	EE NO	OTES					A		sis	Requ					them.
		Sum	ners Bersdum.com	Project Mana	ger:		[3]	/ MRO)	S	,,		8			sent	1 7			
	Package:			1			TMB's (8021)	Σ	PCB's	.1)	9 90 80	δ	700	4 = 1	ΝΨρ				
□ Stan	dard	2	☐ Level 4 (Full Validation)	K. Summers			a	DRO			i	1			sen				
Accredi			mpliance	Sampler: L. Daniell On Ice: Tyes D No			1 11 11	~ I	Pesticides/8082			C) F, Br, NO3, NO2, PO4, SO4		(Y	Total Coliform (Present/Absent)		- 1		
□ NEL		□ Other		# of Coolers: 1 You			MIBE	TPH:8015D(GRO	cide	EDB (Method 504	RCRA 8 Metals	P S	2	8270 (Semi-VOA)	E L				
				Cooler Temp	(including CF): 3	1-01=3.0 (°C)	Į₹	150	esti	Meth	8	8	8260 (VOA)	Sen		111	100		
				Container	Preservative	HEAL No.	BTEX/	H:80	8081 F	B	KA K	F.	09	70 (otal (71.0			
Date	Time	Matrix	Sample Name	Type and #	Туре	2310014	18	F	8		K	(3)	82	82	브		1	7	10
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	10:10	5	5-3		6 W	-003	X	X		-		X			10 E	H 1			-
	10:15	5	5-4	2230.0 6 to 1000	1 1 1 1 1 1 1	-004	X	X			-	X	791	4 1					
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	1629		Received by:	Via:	Date Time	7				P	ay	K	ey	126	106	7904	1	ery	
Date:	Time:	Kemiquis	And later		- Con 1010-	10/26/277:31	2				N	on	AF	=	+	10	110	I .	
1/25/1	125/23 1748 Mush water			1/1/	Counter	1000					-1-1-1	1 11	le e ele		totod o	n the an	alvtical rec	oort.	

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II 811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III 1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 289747

CONDITIONS

Operator:	OGRID:
Enterprise Field Services, LLC	241602
PO Box 4324	Action Number:
Houston, TX 77210	289747
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By		Condition Date
nvelez	None	3/12/2024