District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 State of New Mexico Energy Minerals and Natural Resources Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised August 24, 2018 Submit to appropriate OCD District office

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: Enterprise Field Services, LLC	OGRID: 241602
Contact Name: Thomas Long	Contact Telephone: 505-599-2286
Contact email:tjlong@eprod.com	Incident # (assigned by OCD) nAPP2320734440
Contact mailing address: 614 Reilly Ave, Farmington, NM 87401	·

Location of Release Source

Latitude 36.712269

Longitude -107.646695

(NAD 83 in decimal degrees to 5 decimal places)

)

Site Name San Juan 27-9 #94A	Site Type Natural Gas Gathering Pipeline
Date Release Discovered: 07/26/2023	Serial Number (<i>if applicable</i>): N/A

Unit Letter	Section	Township	Range	County
F	19	29N	7W	San Juan

Surface Owner: State Federal Tribal Private (Name: BLM

Nature and Volume of Release

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

Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Yes No
Condensate	Volume Released (bbls): Estimated 5-10 BBLs	Volume Recovered (bbls): None
Natural Gas	Volume Released (Mcf): 3.14 MCF	Volume Recovered (Mcf): None
Other (describe)	Volume/Weight Released (provide units):	Volume/Weight Recovered (provide units)

Cause of Release On July 10, 2023, Enterprise had a release of natural gas and natural gas liquids from the San Juan 27-9 #94A pipeline. The pipeline was isolated, depressurized, locked and tagged out. No fire nor injuries occurred. No liquids were observed on the ground surface. Repairs and remediation began on July 26, 2023, at which time Enterprise determined the release reportable per NMOCD regulation, due to the volume of impacted subsurface soil. Remediation was completed on August 2, 2023. The final excavation dimensions measured approximately 25 feet long by 14.5 feet wide by 14 feet deep. A total of 260 cubic yards of hydrocarbon impacted soil was excavated and transported to a New Mexico Oil Conservation Division (NMOCD) approved land farm. A third party closure report is included with this "Final" C-141.

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

<u>Closure Report Attachment Checklist</u> : Each of the following items must be included in the closure report.		
A scaled site and sampling diagram as described in 19.15.29.11 NMAC		
Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)		
Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)		
Description of remediation activities		
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases wh may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface wath human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.	ich	
Printed Name: Thomas Long Title: Senior Environmental Scientist		
Signature:		
email: <u>tjlong@eprod.com</u> Telephone <u>: (505) 599-2286</u>		
OCD Only		
Received by: Date:		
Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.		
Closure Approved by: Nelson Velez Date: 01/03/2024		
Printed Name: Nelson Velez Title:Environmental Specialist - Adv		
remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the response party of compliance with any other federal, state, or local laws and/or regulations. Closure Approved by: Date: Date: Date: Date:		



CLOSURE REPORT

Property:

San Juan 27-9 #94A (07/26/23) Unit Letter F, S19 T29N R7W Rio Arriba County, New Mexico

New Mexico EMNRD OCD Incident ID No. NAPP2320734440

November 2, 2023

Ensolum Project No. 05A1226254

Prepared for:

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

Prepared by:

Chad D'Aponti Project Scientist

umm

Kyle Summers Senior Managing Geologist

Ensolum, LLC | Environmental, Engineering & Hydrogeologic Consultants

606 South Rio Grande, Suite A | Aztec, NM 87410 | ensolum.com

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1.0 INTRODUCTION

1.1 Site Description & Background

Operator:	Enterprise Field Services, LLC / Enterprise Products Operating LLC (Enterprise)	
Site Name:	San Juan 27-9 #94A (07/26/23) (Site)	
NM EMNRD OCD Incident ID No.	NAPP2320734440	
Location:36.712269° North, 107.616695° WestLocation:Unit Letter F, Section 19, Township 29 North, Range 7 WestRio Arriba County, New Mexico		
Property:	United States Bureau of Land Management (BLM)	
Regulatory:	New Mexico (NM) Energy, Minerals and Natural Resources Department (EMNRD) Oil Conservation Division (OCD)	

For clarification, it should be noted that although the Site nomenclature does not match the listed coordinates, the coordinates and Public Land Survey System (PLSS) details are correct for this release.

On June 2, 2023, a release of natural gas from the San Juan 27-9 #94A pipeline was identified by a third party. Enterprise verified the release and subsequently isolated and locked the pipeline out of service. On July 25, 2023, Enterprise initiated activities to repair the pipeline and remediate petroleum hydrocarbon impact. On July 26, 2023, Enterprise determined the release was "reportable" due to the estimated 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 New Mexico EMNRD OCD. 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, during the evaluation and remediation of the Site. 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 were identified in the same PLSS section as the Site. One POD (SJ-00039) was identified in



an adjacent section. The depth to water for this POD is recorded as 435 feet below grade surface (bgs). This POD is approximately 1.6 miles southeast of the Site and approximately 390 feet lower in elevation than the Site (**Figure A**, **Appendix B**).

- 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 700 feet from the Site. Documentation for the cathodic protection well located near the San Juan 29-7 Unit #94A well location indicates a depth to water between 170 feet and 180 feet bgs. This cathodic protection well is located approximately 620 feet north of the Site and is approximately 11 feet lower in elevation than the Site. Documentation for the cathodic protection indicates a depth to water of approximately 70 feet bgs. This cathodic protection well located near the San Juan 29-7 Unit #119 well located approximately 690 feet south of the Site and is approximately 16 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.



Applicable closure criteria for Tier I soils and Tier II soils (below four feet) remaining in place at the Site include:

Tier II Closure Criteria for Soils Impacted by a Release			
Constituent ¹	Method	Limit	
Chloride	EPA 300.0 or SM4500 CI B	10,000 mg/kg	
TPH (GRO+DRO+MRO) ²	EPA SW-846 Method 8015	2,500 mg/kg	
TPH (GRO+DRO)	EPA SW-846 Method 8015	1,000 mg/kg	
BTEX ³	EPA SW-846 Method 8021 or 8260	50 mg/kg	
Benzene	EPA SW-846 Method 8021 or 8260	10 mg/kg	

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

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

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

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 (GRO+DRO+MRO) ²	EPA SW-846 Method 8015	100 mg/kg	
BTEX ³	EPA SW-846 Method 8021 or 8260	50 mg/kg	
Benzene	EPA SW-846 Method 8021 or 8260	10 mg/kg	

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

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

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

3.0 SOIL REMEDIATION ACTIVITIES

On July 25, 2023, Enterprise initiated activities to repair the pipeline and remediate petroleum hydrocarbon impact resulting from the release. During the remediation and corrective action activities, Sunland Construction Inc, provided heavy equipment and labor support, while Ensolum provided environmental consulting support.

The final excavation measured approximately 25 feet long and 14.5 feet wide at the maximum extent. The maximum depth of the excavation measured approximately 14 feet bgs. The lithology encountered during the completion of remediation activities consisted primarily of silty sandy clay underlain by sandstone.

Approximately 260 cubic yards (yd³) of petroleum hydrocarbon-affected soil and 13 barrels (bbls) 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**. Enterprise has not yet determined a permanent repair strategy for the pipeline; therefore, the excavation has not yet been backfilled at the time this document was finalized. Once the permanent pipeline repairs are completed, the pipeline excavation will be backfilled with imported fill and then contoured to the surrounding grade.

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



4.0 SOIL SAMPLING PROGRAM

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

Ensolum's soil sampling program included the collection of 18 composite soil samples (S-1 through S-16, S-4a, and S-8a) from the excavation for laboratory analysis. The composite samples were comprised of five aliquots each and represent an estimated 200 square foot (ft²) or less sample area per guidelines outlined in Section D of 19.15.29.12 NMAC. Hand tools or the excavator bucket were utilized to obtain fresh aliquots from each area of the excavation. Regulatory correspondence is provided in **Appendix E**.

First Sampling Event

On July 28, 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 (14') was collected from the floor of the excavation. Composite soil samples S-2 (0' to 4'), S-3 (4' to 14'), S-4 (0' to 4'), S-5 (4' to 14'), S-6 (0' to 4'), S-7 (4' to 14'), S-8 (0' to 4'), and S-9 (4' to 14') were collected from the walls of the excavation. Subsequent soil analytical results identified total BTEX and TPH concentrations that exceeded the applicable NM EMNRD OCD closure criteria for composite soil samples S-2, S-3, S-4, and S-8.

Second Sampling Event

In response to the exceedances of composite samples S-2, S-3, S-4, and S-8 during the first sampling event, additional soil was removed by excavation and transported to the landfarm for disposal/remediation. On August 2, 2023, a second sampling event was performed at the Site. The NM EMNRD OCD was notified of the sampling event although no representative was present during sampling activities. Composite soil sample S-10 (14') was collected from the floor of the excavation. Composite soil samples S-4a (0' to 4'), S-8a (0' to 4'), S-11 (0' to 4'), S-12 (4' to 14'), S-13 (0' to 4'), S-14 (4' to 14'), S-15 (0' to 4'), and S-16 (4' to 14') were collected from the walls of the excavation.

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

5.0 SOIL LABORATORY ANALYTICAL METHODS

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

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

6.0 SOIL DATA EVALUATION

Ensolum compared the benzene, BTEX, TPH, and chloride laboratory analytical results or laboratory practical quantitation limits (PQLs) / reporting limits (RLs) associated with the composite soil samples (S-1, S-4a, S-5 through S-7, S-8a, and S-9 through S-16) to the applicable NM EMNRD OCD closure criteria. The soils associated with composite soil samples S-2, S-3, S-



4, and S-8 were removed from the Site, and therefore, are not included in the following discussion. The laboratory analytical results are summarized in **Table 1** (**Appendix F**).

- The laboratory analytical results for composite soil samples S-1 and S-5 indicate benzene concentrations of 0.22 mg/kg and 0.13 mg/kg, respectively, which are less than the NM EMNRD OCD closure criteria of 10 mg/kg. The laboratory analytical results for all other composite soil samples associated with soil remaining at the Site indicate benzene is not present at concentrations greater than the laboratory PQLs/RLs, which are less than the NM EMNRD OCD closure criteria of 10 mg/kg.
- The laboratory analytical results for composite soil samples S-1, S-5, S-9, and S-10 indicate total BTEX concentrations ranging from 8.7 mg/kg (S-9) to 46 mg/kg (S-5), which are less than the NM EMNRD OCD closure criteria of 50 mg/kg. The laboratory analytical results for all other composite soil associated with soil remaining at the Site indicate total BTEX is not present at concentrations greater than the laboratory PQLs/RLs, which are less than the NM EMNRD OCD closure criteria of 50 mg/kg.
- The laboratory analytical results for Tier II composite soil samples S-1, S-5, S-9, S-10, S-12, S-14, and S-16 indicate combined TPH GRO/DRO concentrations ranging from 27 mg/kg (S-12) to 850 mg/kg (S-5), which are less than the New Mexico EMNRD OCD closure criteria of 1,000 mg/kg (for soils below 4 feet at a Tier II site). Sample depths are provided in Table 1 in Appendix F. The laboratory analytical results for composite soil sample S-7 indicate combined TPH GRO/DRO is not present at concentrations greater than the laboratory PQLs/RLs, which are less than the applicable New Mexico EMNRD OCD closure criteria.
- The laboratory analytical results for composite soil samples S-1, S-4a, S-5, S-6, S-8a, and S-9 through S-16 indicate combined TPH GRO/DRO/MRO concentrations ranging from 11 mg/kg (S-6) to 850 mg/kg (S-5), which are less than the New Mexico EMNRD OCD closure criteria of 100 mg/kg (Tier I) or 2,500 mg/kg (Tier II) (depending on the depth of the represented soil). The laboratory analytical results for composite soil sample S-7 indicate combined TPH GRO/DRO/MRO is not present at concentrations greater than the laboratory PQLs/RLs, which are less than the New Mexico EMNRD OCD closure criteria of 100 mg/kg or 2,500 mg/kg (depending on the depth of the represented soil).
- The laboratory analytical results for all composite soil samples associated with soil remaining at the Site indicate chloride is not present at concentrations greater than the laboratory PQLs/RLs, which are less than the New Mexico EMNRD OCD closure criteria of 600 mg/kg or 10,000 mg/kg (depending on the depth of the represented soil).

7.0 RECLAMATION

Enterprise has not yet determined a permanent repair strategy for the pipeline; therefore, the excavation has not yet been backfilled at the time this document was finalized. Once permanent pipeline repairs are completed, Enterprise will backfill the excavation with imported fill and then contour to the surrounding grade.

8.0 FINDINGS AND RECOMMENDATION

• Eighteen composite soil samples were collected from the Site. Based on laboratory analytical results, no benzene, BTEX, chloride, or combined TPH GRO/DRO or total combined TPH GRO/DRO/MRO exceedances were identified in the soils remaining at the Site.



• Approximately 260 yd³ of petroleum hydrocarbon-affected soil and 13 bbls 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.

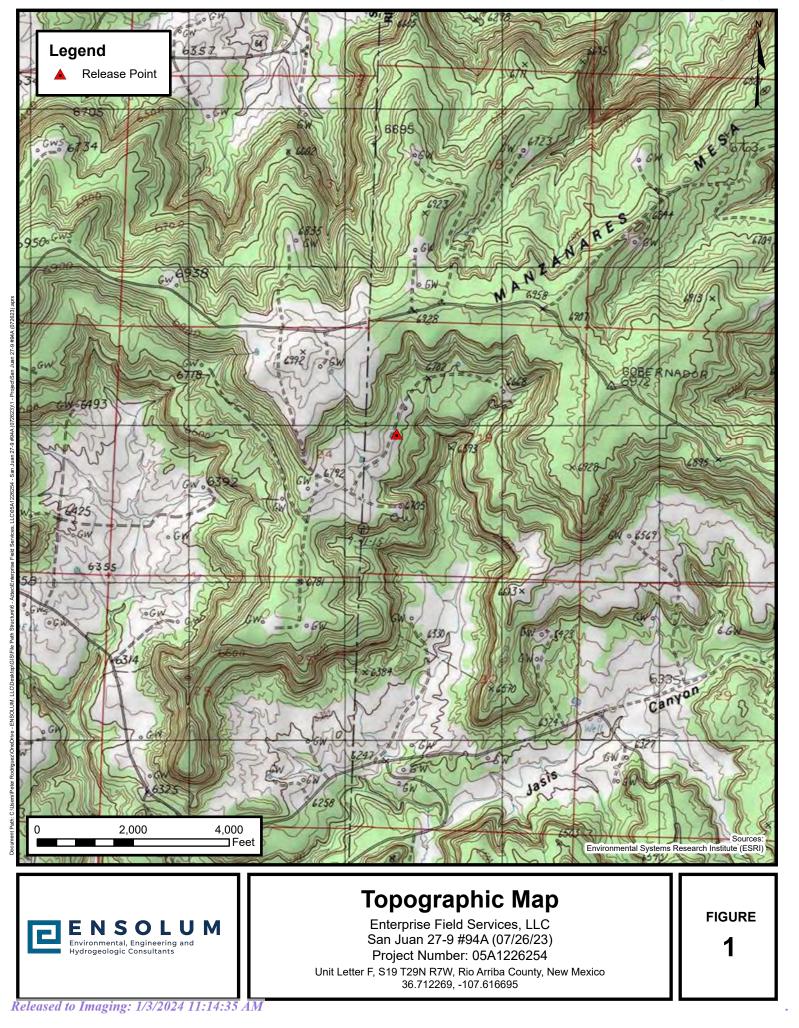




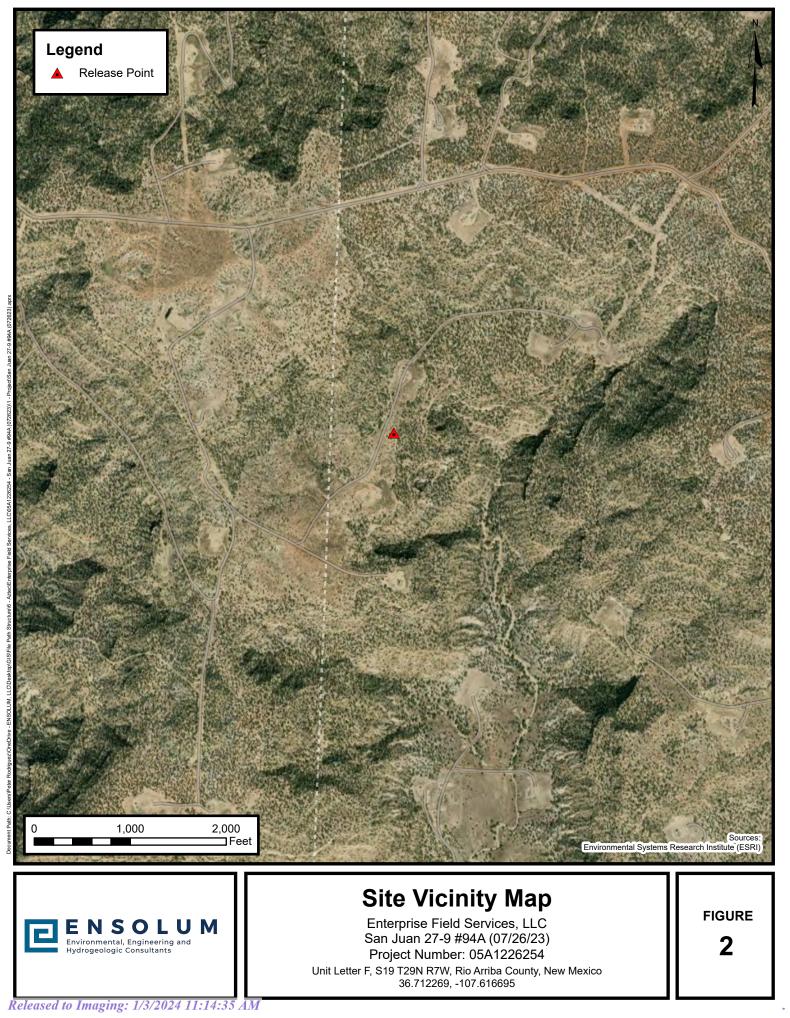
APPENDIX A

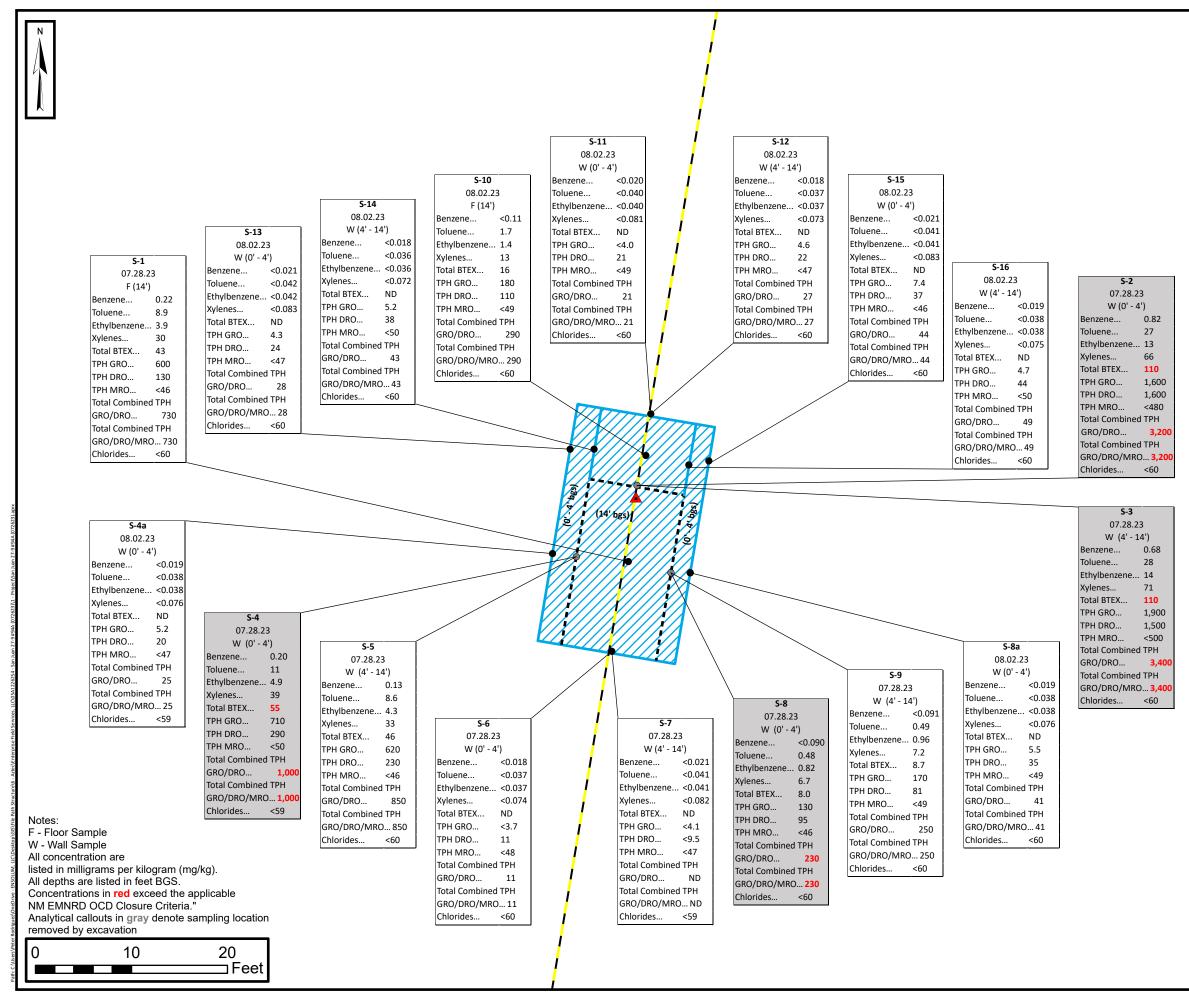
Figures

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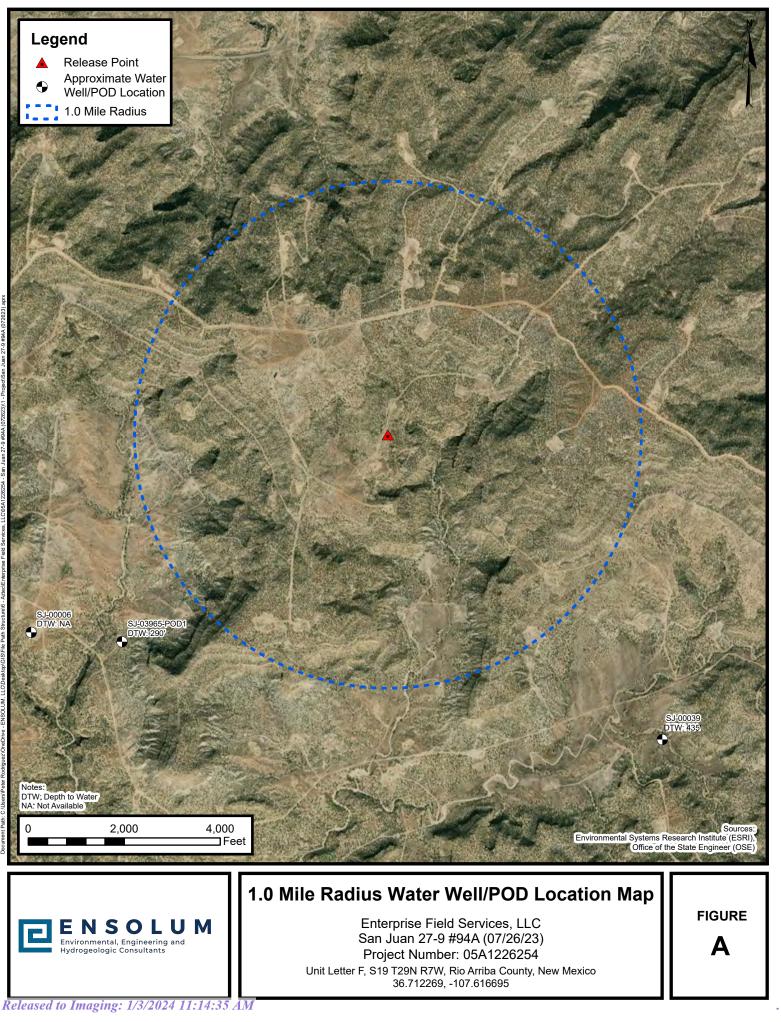




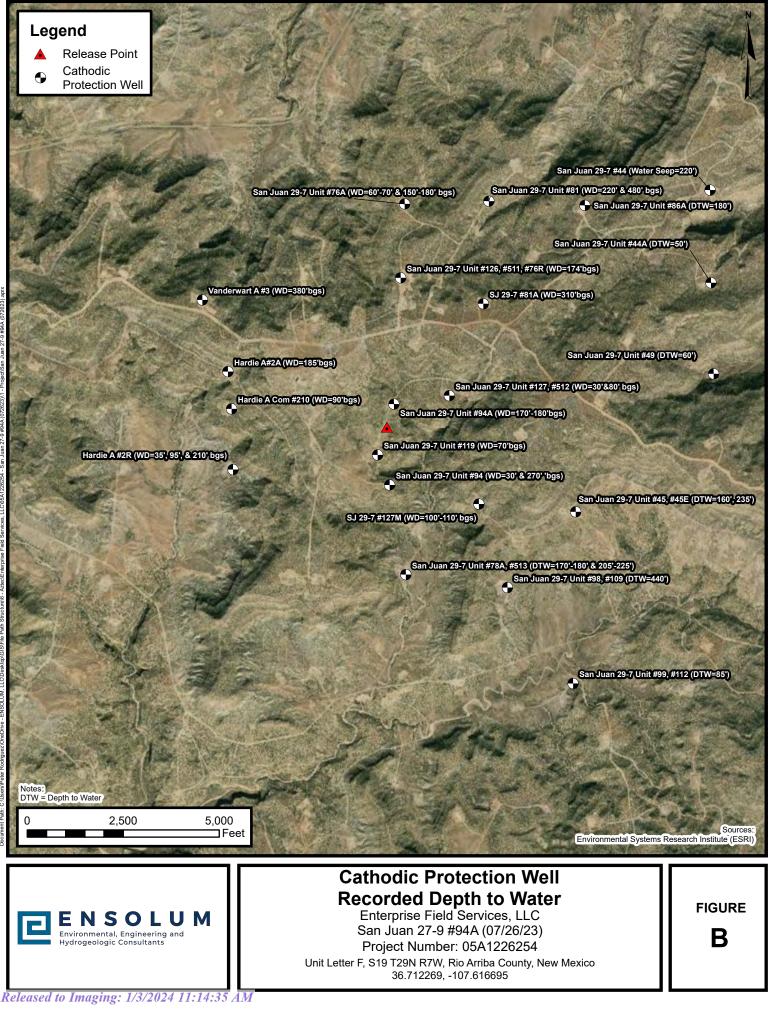
APPENDIX B

Siting Figures and Documentation

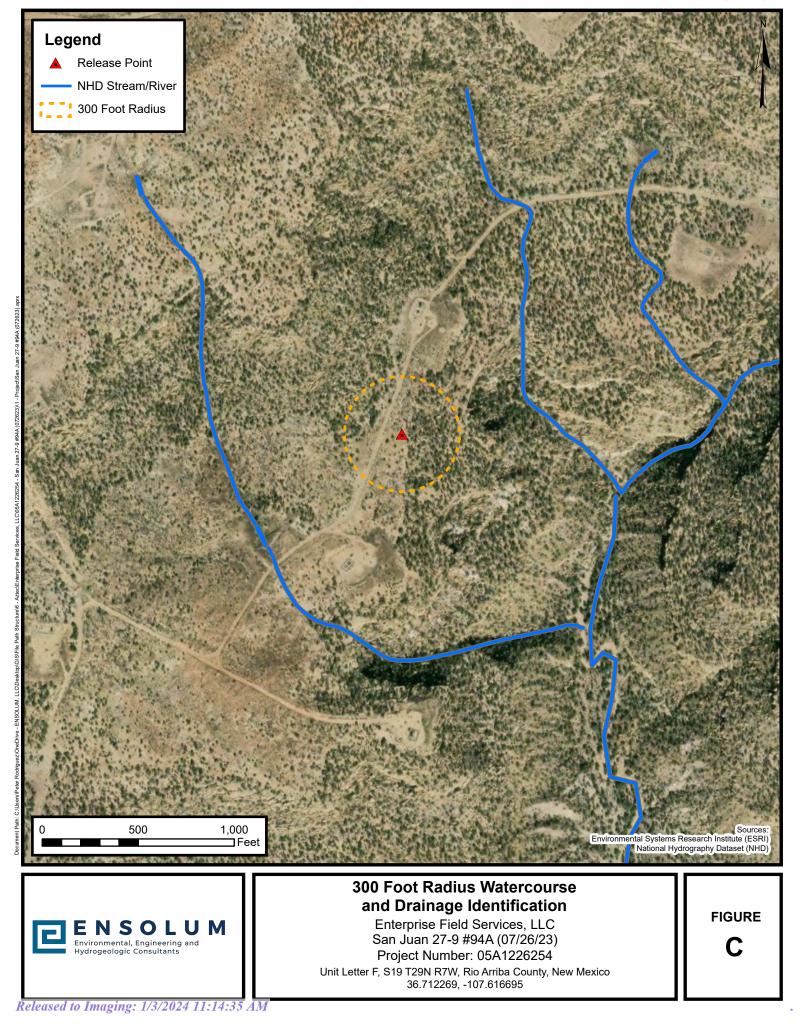
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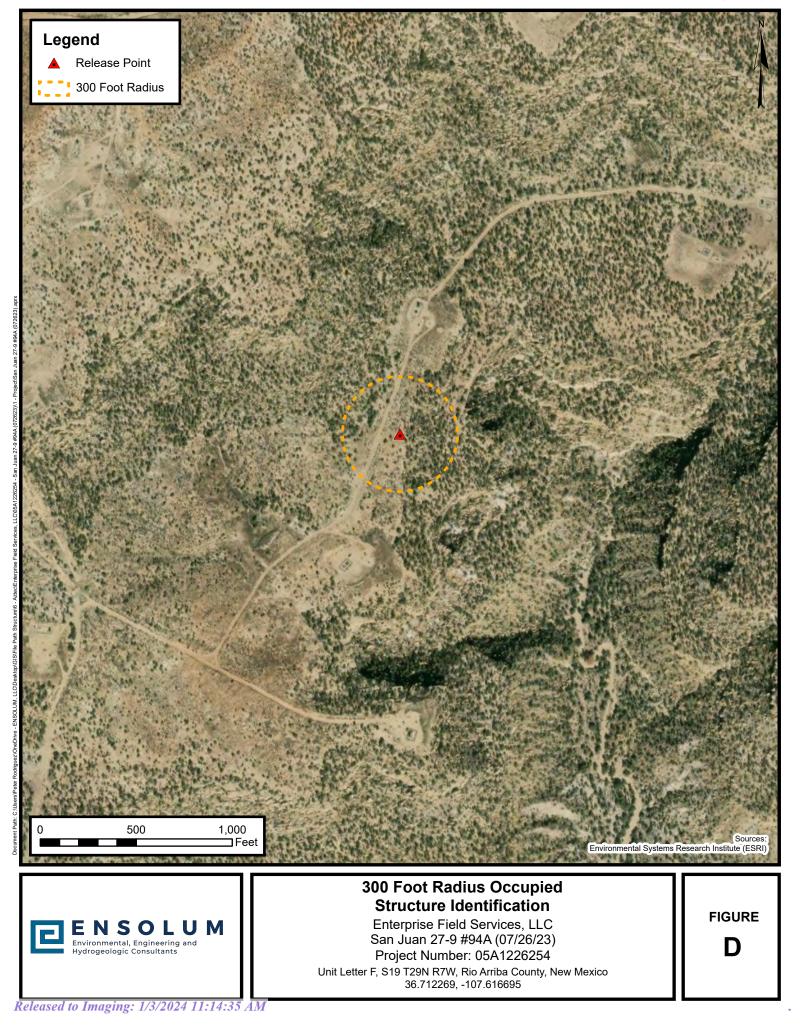
Page 17 of 159

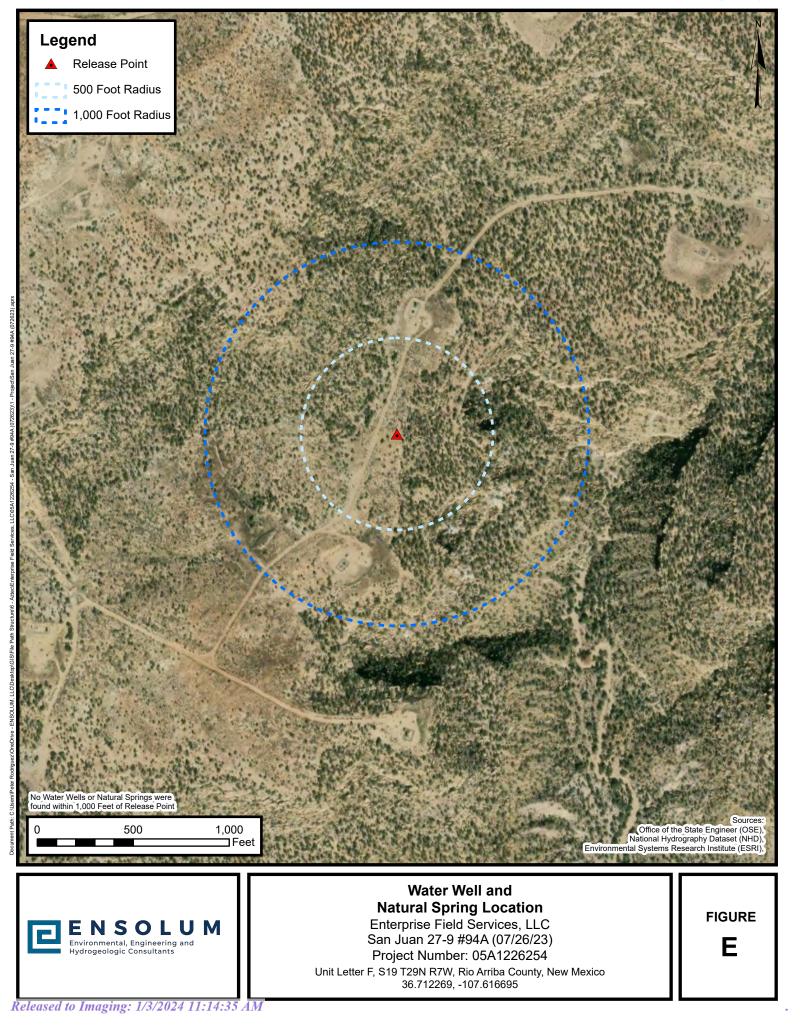


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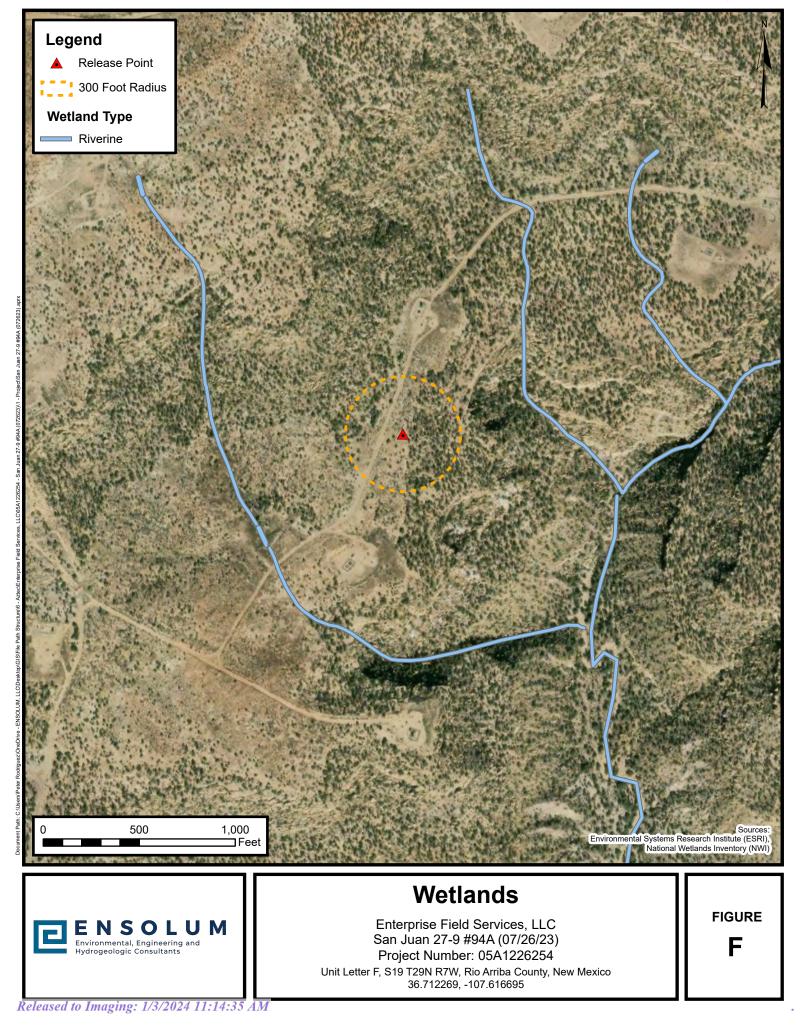


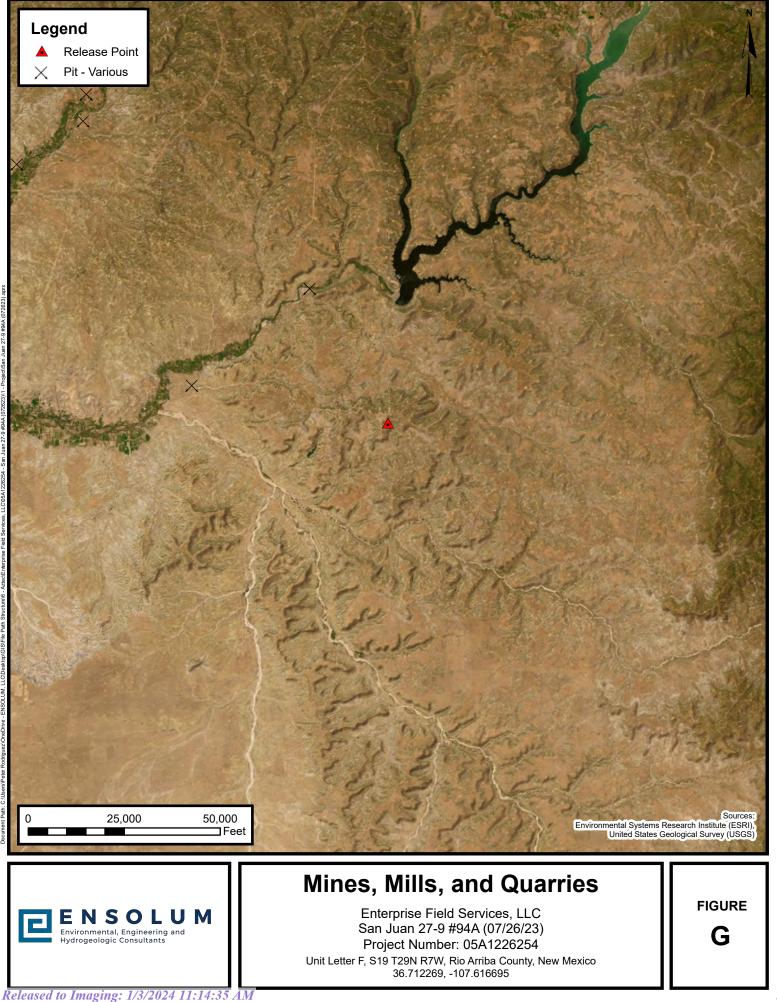
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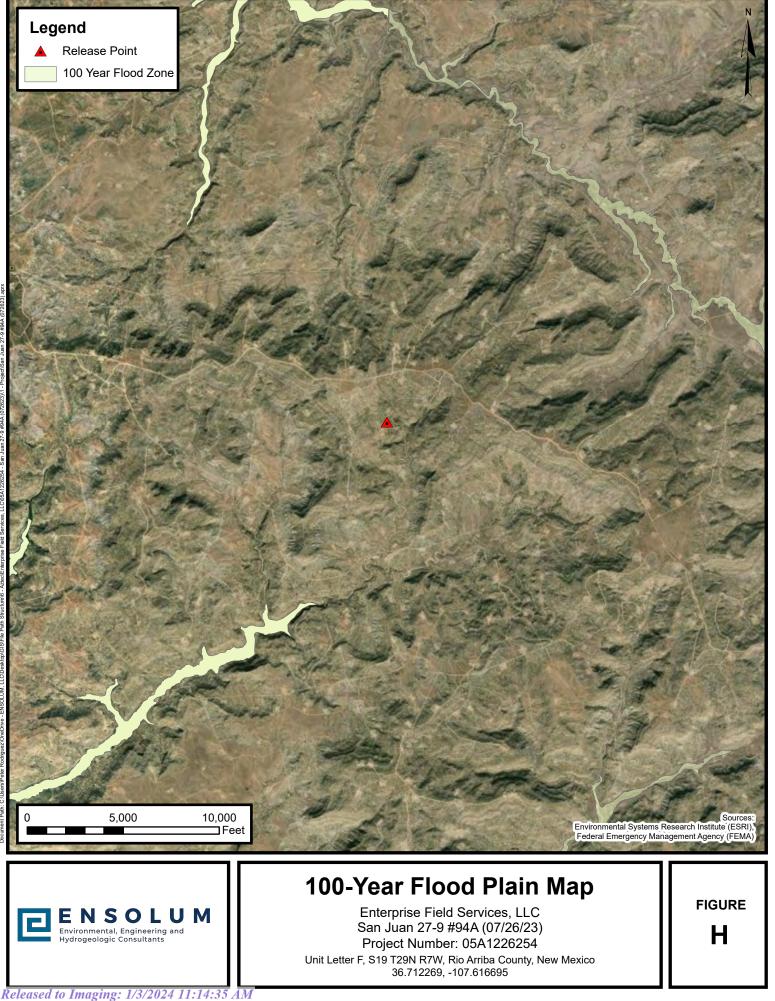




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New Mexico Office of the State Engineer Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)	(R=POD has been replaced, O=orphaned, C=the file is closed)	(quarte				IE 3=SW largest)	,	3 UTM in meters)		(In feet)
POD Number	POD Sub- Code basin C	-	QQQ 4164	•	Tws	Rng	x	Y	-	Depth Water	Water Column
SJ 00039	SJ	RA	23	29	29N	07W	268022	4064208* 🌍	585	435	150
								Average Depth to	Water:	435 f	eet
								Minimum	Depth:	435 f	eet
								Maximum	Depth:	435 f	eet

Record Count: 1

PLSS Search:

Section(s): 19, 17, 18, 20, Township: 29N Range: 07W 29, 30

*UTM location was derived from PLSS - see Help

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



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

No records found.

PLSS Search:

Section(s): 13, 24, 25

Township: 29N

Range: 08W

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

- -

30-039-07529 4621

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

Operator_	MERIDIAN OIL	Location:	Unit_SW_Sec. <u>19</u>	_Twp29_Rng_7
Name of W	Vell/Wells or Pipeline Servi	ced <u>SAN</u>	JUAN 29-7 UNIT #	94
				cps 91w
Elevation	<u>6715'</u> Completion Date <u>6/30/72</u>	Total De	pth <u>320'</u> Land	Type*_N/A
Casing, S	Size's, Types & Depths	N/A		
			x	
If Casing	j is cemented, show amounts	& types us	ed <u>N/A</u>	
If Cement	: or Bentonite Plugs have be N/A	-		amounts used
Depths &	thickness of water zones wi			when possible:
Fresh, Cl	lear, Salty, Sulphur, Etc	30'		EIVEM
Depths ga	as encountered: N/A			
Type & am	ount of coke breeze used:	4200 lbs.	D	IST. 3
Depths an	odes placed: <u>280',270',260'</u> ,	250', 240',	230', 220', 210	', 100', 95'
Depths ve	nt pipes placed:N/A			
Vent pipe	perforations: <u>260'</u>			
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.

by OCD: 11/6/2023 9:44:10 AM Form -238 (Rev. 1-69) WELL CASING CATHODIC PROTECTION CONSTRUCTION REPORT DAILY LOG (YOUND Bed #2 Completion Date 6-30 -Drilling Log (Attach Hereto).

Well Name	Juz	N	29	-7	#9		ocation S	w	19	·	291	v -	.74	C	PS No.	91 W	
Гуре & Sıze B									•		-			W	'ork Order / 84/ -		7 - 19-50-
Anode Hole De 32		_	Total D	rilling	Rig Time	2	Total L	.bs. C 2 <i>00</i>		sed	Lost Circ	culatio	on Mat'l Us	sed N	lo. Sacks N		
Anode Depth # 1 2 80	# 2	270) # 3	260	# 4	2				# 6	230	¦ ≠ 7	220	 # 8	210	= 9 2 00	# 10 \$
Anode Output (# 1 3.4	(Amps)	3.7	i	3.9			,			1	3.3	1		,		# 9 3.2	# 10 4.7
Anode Depth	# 12		# 13		# 14		#		-	 # 16		 # 17		# 18	•	+ # 19	# 20
Anode Output (<mark></mark>	# 13 		+ 14 	••				+ 10 		+ 1/		+ 10			H 20
⊄ 11 Total Circuit I	¦# 12 Resista	nce	# 13		# 14		ļ#.	15		# 16 No. 1	3 C.P. Cal	¦≉ 17 ole Us		≠ 18	······	# 19 No. 2 C.P. C	# 20 able Used
Volts //.	5	An	nps	14.0	2	Ohms	0.	82 ·	ト								

Remarks: Hole #1 Prilled TO 320' ATTEMPTEd TO Lodd COKe Around YANDdes CONTRACTOR LET COKE SCITLE ADOUNL PAMPHOSE Pulled Hose with winch with About 30' from Top 2" pipe Fell off Brikeing Nodes and Namageing wires Rig Moved and prilled Hole #2 PUMped 175 SHOVELS Slurry = 30 SHovels VENT Hose Perforsted 260 All Construction Completed Oriller said wet AT 30' Paulit & Sorrela STOPPED Drilling 3:30 A.M. Water AT 270' NT 8:30AM

GROUND BED LAYOUT SKETCH

Crudent 195' 2554.00 - 34(25= 2212,75 ,04 88.51 2301,26 50 8 Ground Bed #2 Original & 1 Copy All Reports

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Form 22-2 (Rev. 1-61)	9:44:10 AM		Ho		O NATURAL GAS COM	PANY			4 .	• /** * ** · • ***	
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LEASE San Aug	29-7 WELL NO. #	£94 co	NTRACTOR	morr	on	RIG NO.		REP	ORT NO.	DATE /-	23 1972
	NING				AYLIGHT				,	EVENING	23 1972
riller	Total Men In C	Crew	Driller		Total Men	n Crew		Driller		. Total M	en In Crew
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EL PASO NATURAL GAS COMPANY

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ENGINEERING DEPARTMENT

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Sheet Page 30 of 159 Date: By:

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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: Unit NW Sec. 19 Twp 29 Rng
	Name of Well/Wells or Pipeline Serviced <u>SAN JUAN 29-7</u> UNIT #94A
	cps 141
	Elevation_6717'Completion Date_8/16/79_Total Depth_460'_Land Type*_N/A
	Casing, Sizes, Types & DepthsN/A
	If Casing is cemented, show amounts & types usedN/A
	If Cement or Bentonite Plugs have been placed, show depths & amounts us
	N/A Depths & thickness of water zones with description of water when possib
	Fresh, Clear, Salty, Sulphur, Etc. <u>WATER SAND 170' - 180' SAMPLE TAKEN</u>
	Depths gas encountered:N/A
	Depths gas encountered: N/A Type & amount of coke breeze used: N/A
	Type & amount of coke breeze used: N/A Depths anodes placed: 415', 400', 385', 370', 355', 340', 325', 210, 270' Depths vent pipes placed: 460'
	Type & amount of coke breeze used: N/A Depths anodes placed: 415', 400', 385', 370', 355', 340', 325', 2100, 2297 270'

Page 31 of 159

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.

2023 9:44:10 AM Received b El Paso Natural Gas Company *Form 7-238 (Rev. 11-71) WELL CASING 3 the CATHODIC PROTECTION CONSTRUCTION REPORT DAILY LOG ONTRA-C-T-Drilling Log (Attach Hereto). Completion Date Z" X 60 NR DIAJ Well Name location CPS No. #94 Z9 0 Type & Size Bit Used Work Order No. 6 7 TIC 7 5 3 Anode Hole D¢ Total Drilling Rig Time Total Lbs. Coke Used Lost Circulation Mat'l Used No. Sacks Mud Used 601 Anode Depth #3 385 #4 370 #5 355 =6 340 #7 325 #8 310 #9 295 # 10 270 400 # 2 Anode Output (Amps) 3.1 # 4 3.5 #5 40 1+-7-**3.9** 1 8 3.0 . D # 3 #6 1.1: 1#9 Z.S # 10 Z.C # 2 Anode Depth # 11 # 13 # 14 # 15 # 16 # 17 # 18 # 19 # 20 # 12 Anode Output (Amps) # 12 # 13 # 15 # 18 # 19 # 11 **z** 14 # 16 # 17 # 20 No. 8 C.P. Cable Used No. 2 C.P. Cable Used Total Circuit Resistance 12.11 Volts Ohms Amps 180 san. Remarks. mare ŗ All Construction Completed STUB POLE 40/16 RECT (Signature) DITCH + 1 CABLE = 155' GROUND BED LAYOUT SKETCH _ 85_ EXTRA CABLE = 95' 70 HOLE = - 40 DISTRIBUTION: -WHITE - Division Corrosion Office YELLOW - Area Corrosion*Office+ PINK' - Originator File

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Received by QGD.94	4/6/2023 9:44:10 AM El Paso Natural Gas Company ENGINEERING CALCHLATION By: By: By: By: By: By: By: By:
1 1	STATIC,80 1414W
	S.J. 29-7 #94A NW-19-29-7 57358-2
- 1	
	Arieler blow water such Am (Sample) (set according to low water such Am (Sample)
MW gals/mol 16.04 C1 6.4	Accentinate water at 1-2 que per minute. 460' 1' PUCU ent pipe perforatel 4/80'
30 07 C2 10 12 44.10 C3 10.42 58.12 IC4 12.38 59.12 -C4 12.38	
58 12 nC4 11 93 72.15 IC5 13.85 72.15 nC5 13.71 86.18 IC6 15.50	
86.18 C6 15.57 100.21 IC7 17.2 100.21 C7 17.46	200 1.4 11.8 V 14.8 A = .79 A
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	5 1.2 5 1.2 5 1.9 10 1.3 10 1.1 B 10 1.8
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	30, 7 30 1.9 30 1.6
	35 5 <u>35</u> 2.1 <u>35</u> 1.6 40 4 40 2.1 D 40 .9
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1	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
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MISC. <u>MW</u> gals/mol <u>32.00</u> O2 <u>3</u> 37	
28 01 CO 4 19 44.01 CO2 6 38 64 06 SO2 5 50	85 1.0, 85 1.9 B 90 1.1 90 1.6 90
34.08 H ₂ S 5 17 28.01 N ₂ 4 16 2.02 H ₂ 3 38	$\frac{75}{300}$ $\frac{75}{1.3}$ $\frac{75}{400}$ $\frac{75}{1.7}$ $\frac{75}{50}$
1	1 = 415 2.2 $4.02 = 400$ 2.1 3.0
i	$3 = 385 / .9 \qquad 3.5$
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	9 = 295 1.3
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EL PASO NATURAL GAS COMPANY SAN JUAN DIVISION FARMINGTON, NEW MEXICO PRODUCTION DEPARTMENT WATER ANALYSIS

	Analysis No. <u>1-9744</u> Date	10-24-79	
	Operator ENPG Well Name	San Juan 29-7 # 94 A	
	Location NW 19-29-7 County Rio P	Arriba State N.M.	* *
	FieldFormation		۰.
	Sampled From 1414		
	Date SampledBy		
	Tbg. PressCsg. Press	Surface Csg. Press	
	ppm epm	ppm epm	
	Sodium 226 10	Chloride 40 1	
	Calcium 392 20	Bicarbonate 117 2	
	Magnesium 64 5	Sulfate 1520 32	يىد مەرمىيى مەرمىيى مەرمىيى مەرمىيى
	Iron Present	Carbonate00	· ».>
	H ₂ S Absent	Hydroxide00	
	cc: D.C.Adams	Total Solids Dissolved 2480	
	R.A.Ullrich		
	E.R.Paulek	pH8.0	
	J.W.McCarthy	Sp. Gr. at $6C^{\circ}F$	
	A.M.Smith	Sp. Grat6C ^o F	
	M.B.Shropshire File	Recistivity 333 obvers at 77 °F	•
4 •	C. B. O'Nan	Resistivity 333 ohn-cm at 77 F	
		Go al Kardon - M	11C
	Not enough Sample	we Barnit	
20	25 20 15 10 5 0	5 10 15 20 25 c1	10
	Ca	FCO2	10
	Ng	SO ₄	10
	Fe	CO3	
	Scale:	ерт	م میں اور م مرکب میں اور میں مرکب میں
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Received	61			BIT R.P.M.	202 2. je za 7. je za	3.9		LENG.	LENG					RECEIVED																				ge			
DAILY DRILLING REPORT	DATE 8-16	EVENING	Total Men In Crew	FORMATION WT-BIT		0		NO. DC SIZE	DC	STAN	SINGLES	DOWN ON KELLY	TOTAL DEPTH	MUD, ADDITIVES USED AND RE				I ME BREAKDOWN	aller of	for hale	le ser	Lery Som	souls that	5				*		· · · · · · · · · · · · · · · · · · ·				5ú	1 an.		
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EL PASO NATURAL GAS COMPANY DRILLING DEPARTMENT	RIG NO.	DAYLIGHT	Total Men In Crew	FORMATION WT-BIT R.P.M.				NO. DC SIZE LENG.	SIZE	STANDS	SINGLES		TOTAL DEPTH	MUD, ADDITIVES USED AND RECEIVED				IIME BREAKDOWN		Ŧ	0. 0004	W 200	>					- 2 get men ,						seal			
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c.P.# 1414	WELL NO. CONT	MORNING	Total Men In Crew	FORMATION WT-BIT R.P.M.				NO. DC SIZE LENG.	SIZE	STANDS	SINGLES	DOWN ON KELLY	TOTAL DEPTH	MUD, ADDITIVES USED AND RECEIVED				TIME BREAKDOWN	maria	all that	hales.	and there	andrust	tal-	Ŕ	- Ar		land wit walen	dere-	4 ard	ling	dank dang	Lanks Alale	SIGNE			
Form 22-2 (Rev. 1-61)	LEASE		Driller	FROM TO					BIT NO. 63/1	SET NO. O 710	SIZE	түре	MAKE	MUD RECORD	Time Wt. Vis.		_	FROM TO	01	1 40 4	40 50 4	L -25 6	-28 Jo	S5 100 1	REMARKS -	100-145 44	145-170 -1	170-175	17~-230	3	260 - 290	1	300-320)			

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		DATA SH		DEEP GROU NORTHWES t 3 copie:	FERN NEW	MEXICO		ON WELLS	
Op	erator	MER	IDTAN OIL		Loca	tion: Uni	t <u>sw</u> Sec	. <u>19</u> Twp <u>29</u> Ri	ng_j
Nai	me of	Well/Wel	ls or Pi	peline Se	rviced	SAN JUA	<u>N 29-7 บ</u>	NIT #119	
								cps 16	90w
Ele	evatio	n <u>6712'</u> Co	mpletion	Date <u>11/1</u>	<u>9/82</u> Tot	al Depth_	400' L	and Type* <u>N</u>	/A
Ca	sing,	Sizes, T	ypes & De	epths		N/A	•		
If	Casin	g is cem	ented, sh	now amount	ts & typ	es used		N/A	
								N/A is & amounts	us
If	Cemen	t or Ben N/A	tonite Pi	lugs have	been pl	aced, sho	w depth		
If Dep	Cemen	t or Ben N/A thickne	tonite Pi ss of wat	lugs have	been pl	aced, sho scription	w depth of wat	is & amounts	
If Dep Fre	Cemen pths & esh, C	t or Ben N/A thickne Lear, Sa	tonite Pi ss of wat lty, Sulp	lugs have ter zones	been pl with de <u>70'</u>	aced, sho scription	w depth of wat	is & amounts	
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If Dep Fre Dep Typ	Cemen pths & esh, C pths g	t or Ben N/A thickne Lear, Sa as encour	tonite Pi ss of wat lty, Sulp ntered: coke bre	lugs have ter zones ohur, Etc. N/A eeze used:	been pl. with de 	aced, sho scription SAMPLE TAK	w depth of wat EN	is & amounts	sib
If Dep Fre Dep Typ	Cemen pths & esh, C pths g pths g pe & an oths a	t or Ben N/A thickne Lear, Sa as encour nount of nodes pla	tonite Pi ss of wat lty, Sulp ntered: coke bre aced: <u>380'</u>	lugs have ter zones ohur, Etc. N/A eeze used:	been pl with de 	aced, sho scription SAMPLE TAK	w depth of wat EN	s & amounts er when poss	sib
If Dep Fre Dep Dep Dep	Cemen pths & esh, C pths g pths g pths a pths a	t or Ben N/A thickne Lear, Sa as encour nount of nodes pla ent pipes	tonite Pi ss of wat lty, Sulp ntered: coke bre aced: 380' s placed:	lugs have ter zones phur, Etc. N/A eeze used: , 370', 360	been pl with de 	aced, sho scription SAMPLE TAK	w depth of wat EN 280', 2 1991	s & amounts er when poss	sib

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. 6-82)

WELL CASING CATHODIC PROTECTION CONSTRUCTION REPORT DAILY LOG

Drilling Log (Attach Hereto).

Completion Date 11-19-82

CPS #		Line or Plant			rk Order #	Static		Ins Union Check	
1. / B	S.J.	29-7 #1	19	59	1102-21-50-2	0-64 600	$1' \le 5 = 1.05$	Good	🗌 Bad
1690-w									
Ocation		node Size	Anode Typ	e.		Size Bit-			
SW-19-29	-7	2"x60"	Du	FILON		64	F Carbide	TIP Roc	sk B.t.
Depth Drilled	Depth L		Drilling Rig Time		Total Lbs Goke Used	Lost Ci	rculation Mat'l Used	No. Sacks Mud U	
400'	3	90'			APPRox. 3	500			
Anode Depth		T		1	······································	1	1		23
#1380 #23	70	# 3 360	# 4 350	# 5 34	0 # 6 290	# 7 2	80 # 8 270	# 9 260	# 10 25
Anode Output (Amps)		1		1	•	1	1		
#1 2.91 # 2.	3.00	# 3 2.91	# 4 2.80	# 5 2.	SA # 6 2.3	8 # 7 3	65:= 8.307	# 9 3.08	# 104.0
Anode Depth	2.0.0	+ • • • • •		+		<u></u>		<u>_</u>	
#11 ¹ #12		# 13	# 14	# 15	# 16	# 17	# 18	# 19	# 20 ,
Anode Output (Amps)		†	· · · · · · · · · · · · · · · · · · ·	- 	·····				1
# 11 # 12		# 13	# 14	# 15	# 16	# 17	# 18	# 19	# 20
Total Circuit Resista	nce				No. 8 C.P. C	able Used		No. 2 C.P. Co	ible Used
Volts 12,43	Amp	<i>₅12.</i> 95	Ohms .	96					
					·-···				
Remarks: <u>57. 9</u>	60	0' 5-SE	1.05	AA .	2025 MA	asino	+ 11-18-5	RJ DRI	Ler
		-				<u> </u>	•		
Said wat	Pr '	70' Dru	Led to	90'	waited	2 km	water s	stand into	at 70
									/
Caught	wate	or Sam	PLP M	rilhe	d to 40	o'.	11-19-82	Logard	to 291
•					_				
INSTALLed	40	O OFVI	out Pi	Po =	3.311' Per	Firato	d		
C C C C C C C C C C C C C C C C C C C		<u> </u>		<u> </u>			· - •	······································	
	**								

Rectifier Size: 40 6 Α <u>N</u>ō Addn'l Depth____ 10 Depth Credit:_ 150' Extra Cable:__ Ditch & 1 Cable: 14.5 25 'Meter Pole:____ NO 20' Meter Pole: NO 10' Stub Pole:

All Construction Completed

N

25

120'

GROUND BED LAYOUT SKETCH

PLowed Ac.

10712

heter

Dehy

11-19-8 7

Paŝó Natural Gas ENGINEERI orm 7-371 (11-77)	S.J. 6 (29 00's	-7 -5-1	#	117	95	S	W DF	- 1' - 2	9 - 20	2 25	9- M	7A	c	W.C	, # ,∕\\`	: <u>5</u> (_+	910 -) 2	- 2	?/-	50) - a	20	-6	4		, 			By _		¥.1	9- H,		$\frac{\frac{1}{r}}{r}$
Said Water		< 400% do 6	PerFirated		0 10								-				<u>}</u>	1600	+	80 2																· ·
DRIKHET S Lated Zhr	D D D Wes	10' in sta	P,Pc 330	901	AFRA Frol														- 11	· · · · · · · · · · · · · · · · · · ·		1	1	1	1	3 40 - 1.66)	80-	1	60-	235 - 330	2			· ·	
11-18-82 47 20' L	r at a	To \$00)+	1	ReLUCA	235'													-			-	<u>ึ่ง</u>	nh r	4	\$	• -9	- 6	4	6						
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800	2	0 V	PM		4		S		00		94		~		ĝ.	-							-													
	-	40 •68	69. 0		40 .86	IL.	. 46	44.	60 ,36	.39	66.0	•93	200 · 87	90	96 05	,52	- 22 100	1 40	10 1 35.	1.37	20 1,22	V	30 1:48	210610	40 2.12		50 1.80	1.49	60 1,63 9	1.50	761.678	1.80	802.147	1.38	901.186	

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

Analysis No. 1-10662	Date December 7, 1982	
Operator El Paso Natural Gas	Well Name_San Jaun 29-7 #117	
Location SW 19-29-7	County Rio Arriba State New Mexico	
Field	Formation	
Sampled From CPS 1690W @ 70 Feet	t	
Date Sampled November 18, 1982	By D.J. Hitt	
Tbg. Press Csg.	Surface Csg. Press	
ppm epm Sodium 52 2.3	ррш ерш	· . _
Calcium 49 2.4	Bicarbonate 242 4.0	
Magnesium 80.7	Sulfate561.2	<u></u> .
Iron	Carbonate00	***
H ₂ S	Hydroxide00	
cc: R. A. Ullrich E. R. Paulek J: W. McCarthy J. D. Evans W. B. Shropshire D. C. Adams File	Total Solids Dissolved 294 pH_7.5	PF
 -	Joe P. Barnett & Dennis P. Bird Chemist	78,
$\begin{array}{c} 25 & 20 & 15 & 10 & 5 \\ 20 & Na & - & & \\ & & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & & & \\ & & & & & \\ & & & & & \\ & & & & & \\ & & & & & & \\ & & & & & \\ & & & & & & \\ & & & & & & \\ & & & & & \\ & & & & & & \\ & & & & & & \\ & & & & & \\ &$		21 10 HCO ₃ 10
Mg		504 10 203 4
S	Scale : epm	

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Е РАЗО ИАТИЯА САЗ СОМРАИY

Form 22-2 (Rev. 1-61)

סאורא מאוררואפ אבאסאד איינאיי

SIGNED: Toolpusher Bush Company Supervisor ने होंग्र र न <u>ر</u> 1.1 065 Arob 10101 and the second second 507 top dente 400 1010 学習にないよど strining : 2 give some algeration of principal song top REMARKS - Drulled to 90 had water of 90' -SARAMBR - SARAMBR ТІМЕ ВКЕКРОМИ гвом ΟL 01 мояя TIME BREAKDOWN QΤ NORT NWOONABRE BUIT P 14 4 ÷ 1 21 **教授的**科学生 **和他们的问题,他们**有些 amuT amT SmrT . s tV .1W .sıV .1W ۰s ı V **.**1W MUD, ADDITIVES USED AND RECEIVED мир весовр мир ресовр MUD, ADDITIVES USED AND RECEIVED млр весовр MUD, ADDITIVES USED AND RECEIVED TOTAL DEPTH TOTAL DEPTH 400 JW45 JW45 MAKE MAKE TOTAL DEPTH NOT WO BAYT DOWN ON KELLY TYPE **DOWN ON KELLY** ТҮРЕ DOWN ON KELLY ŞINGLEŞ 7/89 ЭZIS 3 Z IS SENGRES 3 Z IS OZ. SETER ANO. DC 21 ZE FENC. ΞS SERIAL NO. SERIAL NO. SONATS ON SONATS NO' DC ISIZE геие NO, DC SIZE `' Г Е И С'' 'UN 118 'ON TIB ON TI8 'ONBT NO. DC SIZE 41/2 LENG. 30 NO' DC ZIS shall sandillone 「「「「 062 051 sanditive & whole 1.11 同時間に 001 To march 041 mays 06 00! . onotspring shale & reuditore 00/ 06 062 0 MIGIA THE TW oτ FROM .м.ч.я TI8-TW NOITAMROR οт мояч R.P.M. T18 • T W NOITAMHOR οı нояз Erren Burge Total Men In Crew Total Men In Crew 3 ាមព្រះប Dtillet Total Men In Crew Duller **新生活的**的是一种的现在分词 EVENING THOIJYAG MORNING 28 01 PI JJAMSNON 3TAD CONTRACTOR 3- C DRILL, % COLLOGING HAT NO. IZ 2 L-62 'J"S ∃SV∃N REPORT NO. // םאורא מאוררואפ אביסאר M-0691 SAJ

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OCD: 11/6/2023 9	5122 30-03	9-231.75		42	Page 34
. /<	5122 30-03	39-24342		1 -	- 1
		1 x -11 5.			
D.		EP GROUND BED ORTHWESTERN N 3 copies to O	EW MEXICO		ELLS
Operator <u></u>	TERIDIAN OIL INC.	Lo	cation: Unit	GSec.19	Twp_29
Name of We	ll/Wells or Pipe	line Serviced	SAN JUAN 2	9-7 UNIT #1:	27, #512
					срв 211
Elevation_f	6672 Completion Da	ate_4/19/89T	otal Depth	380' Land	Type*_N
Casing, Si	zes, Types & Dep	ths	N/A		
If Casing	is cemented, show	w amounts & t	ypes used	N/A	
	or Bentonite Plug	gs have been	placed, show	depths &	amount
Depths & t	hickness of water	r zones with	description of	of water w	hen po
	ar, Salty, Sulphu		- 30' & 80"		-
1100117 010	ar, barey, barpm			<u> </u>	
Depths gas	encountered:	N/A		·	
Type & amo	unt of coke bree:	ze used:	N/A		
Depths ano	des placed: <u>340',</u>	<u>330', 320', 310</u>	', <u>300', 290',</u>	280', 270',	2301, 2
	t pipes placed:			REIW	E M-
Vent pipe p	perforations:	340'		WAT WE	U
Remarks:				AN 31 1991.	_
				CON. D	

logs, including Drillers Log, Water Analyses & Well Bore Schematics should be submitted when available. Unplugged abandoned wells are to be included.

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

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FM-07-0238 (Aev. 10-82)					1	2 m 5 m 8.21	
	-	CATHOD PROTE	CTION CONSTRUC	TION REPOR	11		
Filling Log (Attach H	ereto) 💢	. 1	~	c	Complețion D	ate 4-19	-89
Бr	Well Name, Line or Plant:	# 127	Work Order #	Static:		Ins. Union Check	
-	5.5 29-7	7 #512	3479A	600'	NW= .88		Ο.
2119-0						ц 	
ocation: G 19-29	-7 2" × 6	Janode Type:	iron	Size Bit: 6 3/4	11		
Depth Drilled 380	Depth Logged	Drilling Rig Time	Total Lbs. Goke Used	Lost Cisculatio	n Mat'l Used	No. Sechs Mud Ue	ed .
Anode Depth		7.01	7	···		1 2 20 /	1
Anode Output (Amp#)	•1	• • •	300 #6290	•	•		•
* 1 3.6 # 2 Anode Depth	3.8 13.4.2	# 4 4 7 # 5	4.2 #631	#7 3.5	** 3.3	#933	i# 10
11 # 12		# 14 # 15	# 16	# 17	 # 18	# 19	# 20
Anode Output (Amps) # 11	I.	# 14 # 15	# 16	.# 17	i i,# 18	1 1 1 # 19	# 20
Total Circuit Resista	ance		No. 8 C.P. Co			No. 2 C.P. Ca	
Volts / 2.0	1 Amps 18.8	Ohms . G	> 7			L	
		C FROM					
* CAN	PLOW A	C FROM	70. /02-ω ε: J29-7#			9-W	
<u>X</u> CAN <u>X</u> Pcou	PLOW A	C FROM	102-W E		20m 211	9-W tion Complete	d
K CAN K Pcou	PLOW A. NEGATIO 40 V 16	C FROM	102-W E		20m 211		d
K CAN K CAN Kectifier Size: Addn'l Depth Depth Credit: Dixtra Cable: Ditch & 1 Cable:	PLOW A. NEGATIO 40 v 16	C FROM	102-W E		20 <u>m 211</u> All Construct Dec		d
K CAN K CAN Kectifier Size: Addn'l Depth Depth Credit: Ditch & 1 Cable: 5'Meter Pole:	PLOW AU NEGATIO 40 V 16 140' 3.7 310' .20	C FROM	102-W E	127. PH	20 <u>m 211</u> All Construct Dec	tion Complete	d
K CAN K CAN K PLOU Rectifier Size: Addn'l Depth Depth Credit: Ditch & 1 Cable: Ditch & 1 Cable: 5'Meter Pole: 0' Meter Pole: 0' Stub Pole:	PLOW AU NEGATIO 40 V 16 140' 3.7 310' .20	C FROM	102-W E	127. PH	20 <u>m 211</u> All Construct Dec	tion Complete	d
<i>K CAN</i> <i>K Pcon</i> <i>k Pcon</i> <i>k Con</i> <i>k Cable:</i> <i>k Cable:</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>core</i> <i>co</i>	PLOW AU NEGATIO 40 V 16 140' 3.7 310' .20	C = FROM $C = TO - S$ A C	102-W E	127. PH	20 <u>m 211</u> All Construct Dec	tion Complete	d
K CAN K CAN K Pcon Rectifier Size: Addn'l Depth Depth Credit: Depth Credit: Ditch & 1 Cable: Ditch & 1 Cable:\\Ditch & 1 Cable:\\D	PLOW A NEGATIO 40 V 16 140' 3.7 310' 22 380' .7 1 1	C FROM	102-W E	127. PH	20 <u>m 211</u> All Construct Dec	tion Complete	d
X CAN X Pcon Addn'l Depth Depth Credit: Ditch & 1 Cable: Ditch & 1 Cable: Ditch & 1 Cable: O' Meter Pole: O' Stub Pole: Unction Box: 3870.00 599.00	PLOW AU NEGATIO 40 V 16 140' 3.7 310' 20 280' .7	C = FROM $C = TO - S$ A C	102-W E	127. PH	20 <u>m 211</u> All Construct Dec	tion Complete	4
${{{{{{{{{$	PLOW A. NEGATIO 40 v 16 140' 3.7 310' .20 280' .2 1 1	C = FROM $C = TO - S$ A C	102-W E	127. PH	20M 211 All Construct Construct (Sta	tion Complete	
${K} CAN$ ${K} P_{COM}$ Rectifier Size: addn'l Depth Depth Credit: Depth Credit: Ditch & 1 Cable: 5'Meter Pole: 0' Meter Pole: 0' Meter Pole: 0' Stub Pole:	PLOW A. NEGATIO 40 v 16 140' 3.2 310' 22 380' .2 1 1	C = FROM $C = TO - S$ A C	102-W E	127. PH	20 <u>m 211</u> All Construct Dec	tion Complete	
$\frac{\text{K}}{\text{K}} \frac{\text{CAW}}{\text{CAW}}$ $\frac{\text{K}}{\text{Coun}}$ $\frac{\text{K}}{\text{Coun}}$ $\frac{\text{K}}{\text{Coun}}$ $\frac{\text{K}}{\text{Coun}}$ $\frac{\text{K}}{\text{Coun}}$ $\frac{\text{K}}{\text{Coun}}$ $\frac{\text{Cable:}}{\text{Coun}}$ $\frac{\text{Cable:}}{\text{Cable:}}$ $\frac{Cable:}}{\text{Cable:}}$ $\frac{Cable:}}{\text{Cable:}}$ $\frac{Cable:}}{\text{Cable:}}$ $\frac{Cable:}}{\text{Cable:}}$	PLOW A.	C = FROM $C = TO - S$ A C	102-W E	127. PH	20M 211 All Construct Construct (Sta	tion Complete	
$\frac{\text{K}}{\text{K}} \frac{\text{CAW}}{\text{Com}}$ Rectifier Size: Addn'l Depth Depth Credit: Ditch & 1 Cable: Ditch & 1 Cable: Ditc	PLOW A.	C = FROM $C = TO - S$ A C	/02-ω ε	<u>127</u> <u>У</u> И. тсн	20M 211 All Construct Construct (Sta	tion Complete	
$\frac{\text{K} CAN}{\text{K} Pcon}$ Rectifier Size: Addn'l Depth Depth Credit: Sixtra Cable: Ditch & 1	PLOW A.	C = FROM $C = TO - S$ A C	/02-ω ε	<u>127</u> <u>У</u> И. тсн	20M 211 All Construct Construct (Sta	tion Complete	•
$\frac{\text{K}}{\text{K}} \frac{\text{CAW}}{\text{Com}}$ Rectifier Size: Addn'l Depth Depth Credit: Ditch & 1 Cable: Ditch & 1 Cable:\\	PLOW A.	C = FROM $C = TO - S$ A C	/02-ω ε	127. PH	20M 211 All Construct Construct (Sta	tion Complete	
$\frac{\text{K}}{\text{K}} \frac{\text{CAW}}{\text{CAW}}$ Rectifier Size: Addn'l Depth Depth Credit: Ditch & 1 Cable: Ditch & 1 Cable:_	PLOW A.	C = FROM $C = TO - S$ A C	/02-ω ε	<u>127</u> <u>У</u> И. тсн	20M 211 All Construct Construct (Sta	tion Complete	•

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D. CrASS **DRILLING CO.** Drill No.3

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Section 36 6 6 Section

DRILLER'S WELL LOG S. P. No. S. J. 29-7 #512 Date 4-19-89 Client Meridian Oil Co. Prospect County & Ris Arriba State New Mex.

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

FROM	то	FORMATION	- COLOR - H	LARDNESS
Ø	30	SANdsto	NG	
30	55	SANd		
55	70	SANdston	<u>e</u>	<u> </u>
70	80	SANC		
80	100	Shale		
100	140	Sprastor	ر ا	
40	155	SANdy SI	hal	
	360	Shale		
•		SANdy S		
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	<u> </u>		<u> </u>	;
ud		Bran	Lime	
ock Bit 1	Number			
marka:	WAte	r @ 30	\$ 80	e and a second se
			<u> </u>	······································

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والمتحاد والمتحد والمحاصر والمحالية والمحالة

تي ذي الله

Received by QCD: 11/6/2023 9:44:10 AM Page 44 of 159 3354 30-039-25586 . DATA SHEET FOR DEEP GROUND BED CATHODIC. PROTECTION WELLS NORTHWESTERN NEW MEXICO Operator Burlington Resources Location: Unit Sec. 19 Twp029 Rng co 7 Name of Well/Wells or Pipeline Serviced 57 29-7 #127 M Elevation 6569 Completion Date 4-14-97 Total Depth 160 Land Type SF Casing Strings, Sizes, Types & Depths <u>& PUC X 20'</u> If Casing Strings are cemented, show amounts & types used 4 Baas Portlaur Cemerant . If Cement or Bentonite Plugs have been placed, show depths & amounts used NOLLO . Depths & thickness of water zones with description of water: Fresh, Clear, Salty, Sulphur, Etc. 100'-110' firsh, Seep Depths gas encountered: Nolle Ground bed depth with type & amount of coke breeze used: 160' 1200 1bs Orrsio SW Coke Brize Depths anodes placed: 151, 145, 139, 133, 127, 111, 105 Depths vent pipes placed: 1100 Vent pipe perforations: 90' to Bottom FEB 2 5 1998 Remarks: 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.

Received b	y OCD: 11/0 • 6568	6/2023 9:44	4:10 AM	Contra	ctors of Ca	athodic Pi	rotection S	Servicas	•	ДРГ 🕇 🥵	e 45 ef 1 32	
	<u>Amst 07</u>	8503A	<u> </u>		D BED (EET	Rio Ari	iba	
	46	Brin Na	ngton /	RUMBER	(a) 195. 5	5.5. 2	9-7 7	# 127 M		29-00		:
		TETAL	VCLTS	1.21	AMPS//.	/ = (IHMS/, O	DA- 4-	, , , , , , , , , , , , , , , , , , , ,		Lefbette	•
i Einer	ñ /1"h	nle 2	0' Gad				Casine					•
-	3695)		11 8"						1			
-	1 -		Ke Bre					EN	ITCI			_
) 4+ 100		• •	}						NGU		-
)EPTH	LEG	ANCOE	אדָרפע	LCG ANDDE	ANCDE	DEPTH	LOG ANGDE	ANODE #	HTRED	LOG ANCDE	ANODE #	•
100	I Z.I		295			473			635			
<u>105</u> 110	22	$\frac{7}{0}$	<u> </u>			<u>495</u> 500			695			
115	1.6		3:0			200			700			
120	1.6					510			ANGDE	DEPTH	NO	
125	1.10		355:			515					COKE	
130	1.9	5	<u>325</u> 330			523			2	125	222	
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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: Unit NE Sec. 18 Twp 29 Rng	7
Name of	Well/Wells or Pipeline Servio	.ced	
		cps_85w	<u> </u>
Elevatio	n_6722'Completion Date5/1/74		
Casing,	Sizes, Types & Depths	N/A	
If Casin	g is cemented, show amounts a	& types used <u>N/A</u>	
<u> </u>		·	
If Cemen	t or Bentonite Plugs have bee	en placed, show depths & amounts u s	ed
	N/A		
Depths &	thickness of water zones wi	th description of water when possib	le:
Fresh, C	lear, Salty, Sulphur, Etc	220' & 480' DECEIVE	ħ-
		MAY31 1997.	<u>U</u>
Depths ga	as encountered: <u>N/A</u>	OIL CON. DIV.	
	mount of coke breeze used:		
Depths a	nodes placed: <u>400', 390', 380'</u>	<u>, 370', 360', 350', 340', 330', 320', 300'</u>	<u> </u>
Depths ve	ent pipes placed:N/A		
Vent pipe	e perforations: <u>250'</u>		
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. Page 46 of 159

Page 47 of 159 eived by OCD: 11/6/2023 9:44:10 AM El Paso Natural Gas Company Form 7-238 (Rev. 1-69) WELL CASING CATHODIC PROTECTION CONSTRUCTION REPOR DAILY LOG Completion Date <u>5-1</u>-74 Drilling Log (Attach Hereto). Well Name CPS No. Location 85W 29-7 # 81 NE18-29-7) ป Type & Size Bit Used Work Order No. 6314 52190.19-50-20 Lbs. Coke Used Lost Circulation Mat'l Used No. Sacks Mud Used Hole Depth Total Drilling Rig Time 520 000 ES Anode Depth # 3360 # 4370 # 5360 # 6350 # 7 330 # 8330 # 9320 # 10300 #1**400** # 2 **39**8 Anode Output (Amps # 3 2.9 # 4 3.2 # 5 3.6 # 6 2.8 # 7 3.4 # 8 3.1 # 9 3.0 # 10 3.3 # 1 **2. 8** # 2 **3.0** Anode Depth # 11 # 13 # 14 # 16 # 17 # 18 # 19 # 20 # 12 # 15 Anode Output (Amps) # 18 # 12 #11 # 13 # 14 # 15 # 16 # 17 # 19 # 20 Total Circuit Resistance No. 8 C.P. Cable Used No. 2 C.P. Cable Used Amps 10.0 Ohms 1.15 70 Volts Remarks: Driller Said Water at 200 - Water Standing at 480 after 12 Hrs. KumpedCoke above all anodes-Slurry to Surface Vent Perforated 250' 340900 All Construction Completed -150 3259,00 GROUND BED LAYOUT SKETCH 26. as Calle 3285.00 #1 131.40 3416.40 60) #2 Released to Imaging: 1/3/2924 11:14:35 AM

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QUARRYING- Shaft Sinking				
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Approval of C.P.S. Engineer ___

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Received by OCD: 11/6/2023 9:44:10 AM Page 50 of 159 16R-30-039-20319 511 - 30-039-24378 126- 30-039-23774 DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS NORTHWESTERN NEW MEXICO (Submit 3 copies to OCD Aztec Office) Operator MERIDIAN OIL Location: Unit SW Sec. 18 Twp29 Rng 7 Name of Well/Wells or Pipeline Serviced SAN JUAN 29-7 UNIT #126, #511, #76R cps 84w Elevation 6910'Completion Date 10/20/71 Total Depth 620' 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 been placed, show depths & amounts used N/A Depths & thickness of water zones with description of water when possible: Fresh, Clear, Salty, Sulphur, Etc. 174' MAY 31 1991 Depths gas encountered: N/A OIL CONL DIV Type & amount of coke breeze used: 9600 lbs. 'N DIST, Depths anodes placed: 570', 560', 550', 540', 530', 520', 475', 465', 455', 445' Depths vent pipes placed: 570' Vent pipe perforations: _____ 423' Remarks: <u>[gb=#2=: LOST HOLE #1 AT 520'.</u> #1 ANODE NO RESPONCE TO COKE.

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: 11/6/2023 9:44:10 AM Page 51 of 159 Form 7-238 (Rev. 1-69) WELL CASING CATHODIC PROTECTION CONSTRUCTION REPORT DAILY LOG Completion Date <u>10-20-71</u> Drilling Log (Attach Hereto). Well Name CPS No. Location 11221 29-7 NO.764 844 Sul 18-29N-74 Type & Size Bit Used Work Order No. 184-54766-50-20 Anode Hole Depth Lost Circulation Mat'l Used No. Sacks Mud Used Total Drilling Rig Time Total Lbs. Coke Used 9600 Anode Depth 540 # 5 530 # 6 520 # 7 475 # 8 465 # 9 455 # 10 445 560 # 3 550 # 2 # 4 Anode Output (Ámps #5 3.1 #6 3.0 #7 2.8 #8 3.1 !# 9 **3.3** # 10 **3.** > 1.85 # 2 2.70 # 3 3.7 # 4 3.5 Anode Depth # 20 # 17 # 18 # 19 # 11 # 12 # 15 # 16 # 13 # 14 Anode Output (Amps) # 11 # 12 # 13 # 14 # 15 # 16 # 17 # 18 # 19 # 20 No. 2 C.P. Cable Used No. 8 C.P. Cable Used Total Circuit Resistance Volts Amps 13.5 Ohms 0,831 Remarks: <u>10-17</u>-71 Drillor Drilled To 500 Looped Hole NOT Hod Ver switched To Mud CIYCHIST. ENOUGH ROOM. Dr 2; Iling Drilled 20 205T Hole VENT HOSE rilled #1 ANONE NO RESPONSE TO COKE Breeze. CONTRACTOR Had Not Marked pumping Hose correctly Bottom of Pumping W25 15' Above # 1 ANode. PUMped 385 SHOVE/5=55 Sac Ks Completed By Slurry. Oriller Blew water out of Hole AT 174" Note: Positive and Negative (Signature) Cables Not ENSTalled GROUND BED LAYOUT SKETCH Tobe INSTOLLEd Later By DOZEN Ground Bed 261 RecTif.er Original & 1 Copy All Reports

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0CD: 11/6/2023 9:44:10 AM 0-039-21629 Phee:
DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS NORTHWESTERN NEW MEXICO (Submit 3 copies to OCD Aztec Office)
Operator <u>MERIDIAN OIL</u> Location: Unit <u>NW</u> Sec. <u>18</u> Twp <u>29</u> Rnc
Name of Well/Wells or Pipeline Serviced <u>SAN JUAN 29-7 UNIT #76A</u>
cps 1408
Elevation 6836'Completion Date 8/13/79 Total Depth 495' Land Type* N/
Casing, Sizes, Types & Depths N/A
If Casing is cemented, show amounts & types usedN/A
If Cement or Bentonite Plugs have been placed, show depths & amounts w
If Cement or Bentonite Plugs have been placed, show depths & amounts where the state of the stat
If Cement or Bentonite Plugs have been placed, show depths & amounts u N/A Depths & thickness of water zones with description of water when possi
If Cement or Bentonite Plugs have been placed, show depths & amounts w N/A Depths & thickness of water zones with description of water when possi Fresh, Clear, Salty, Sulphur, Etc. <u>60' - 70' & 150' - 180' TOO MUDDY FOR SA</u>
If Cement or Bentonite Plugs have been placed, show depths & amounts w N/A Depths & thickness of water zones with description of water when possi Fresh, Clear, Salty, Sulphur, Etc. 60' - 70' & 150' - 180' TOO MUDDY FOR SA Depths gas encountered: N/A Type & amount of coke breeze used: 56 SACKS Depths with of coke breeze used: 345', 310'
If Cement or Bentonite Plugs have been placed, show depths & amounts w N/A Depths & thickness of water zones with description of water when possis Fresh, Clear, Salty, Sulphur, Etc. <u>60' - 70' & 150' - 180' TOO MUDDY FOR SA</u> Depths gas encountered: <u>N/A</u> Type & amount of coke breeze used: <u>56 SACKS</u> Depths anodes placed: <u>465', 450', 435', 420', 405', 390' FOR SA</u> , <u>560</u> , 345', 310'
If Cement or Bentonite Plugs have been placed, show depths & amounts u

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

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

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8 He page 55 of 159 3 He OT Received by OCD: 11/6/2023 9:44:10 AM Form 7-238 (Rev. 11-71) WELL CASING CATHODIC PROTECTION CONSTRUCTION REPORT DAILY LOG #Z LONTRACT Drilling Log (Attach Hereto). Completion Date Z" × 60" DURIEON Well Name Location CPS No. 76h Work Orde Type & Size Bit Used 3 TATIC 6 Lost Circulation Mat'l Used No. Sacks Mud Used Total Drilling Rig Time Anode Hole De Total Lbs Anode Dept 435 # 4 4 20 # 5 405 # 6 390 # 7 375 # 8 3 60 # 9 30 # 2 45 # 10 # 3 Anode Amps 2. #6 2.9 # 2 Z, 1 # 5 3.1 #-7---3.7 1# 8 3.6 # 9 # 1 #3 # 4 Z.Z # 10 Anode Depth # 17 # 19 # 20 # 11 # 12 # 13 # 14 # 15 # 16 # 18 Anode Output (Amps) # 11 # 12 # 13 # 14 # 15 # 16 # 17 # 18 # 19 # 20 No. 2 C.P. Cable Used Total Circuit Resistance No. 8 C.P. Cable Used 87 Volts IL. Ohms nps 50 Remarks: 80 All Construction Completed (Signature) GROUND BED LAYOUT SKETCH STUB POLE 40/16 RECT DITCHTICABLE 310 EXTRA CABLE 275 100LE BUY DISTRIBUTION: WHITE - Division Corrosión Office · YELLOW – Area Corrosion Office PINK - Originator File 315 1944 ومعظمة والمعادية والمعادية

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21to Famplage 56 of 159 Received By OCD: 17/6/2023 9:44:10 AM El Paso Natural Gas Company **ENGINEERING CALCULATION** 3 Hew DT By: STATIC = . 88 File: +08 W 729-7#76A NW 18-29-7 57347-2 " & 150° to 180 75 Samo た。 advise 60 ustimate 1+ 2 gap persone nela 0 Xfrield to soo alog 49. L мw gals/mol 16.04 C1 6.4 es 30.07 C₂ 10.12 10 42 44.10 Сз 58.12 1C₄ 12.38 58.12 nC₄ 11.93 72.15 ıC5 13.85 72.15 13.71 nC5 V 14.2A = 86.18 15.50 iC6 .8Z Π. 86.18 15 57 C₆ 200 100.21 17.2 IC7 100 21 C7 17.46 .9 5 57 5 4 1.9 15 114.23 19.39 C8 10: 1. 1.9 10 101 28.05 9.64 5 C2[:] (10 42 08 C3[:] 9 67 1.9 3 15 IS 15 1.5 9 20 1.3 20 1.0 ، صحیح (4) 9 25 25 1.3 30 30 6 30i 1.1 کک 8 35 6 25 40 1.6 40 40 45 1. 45 1. 7.19 45 Ľ 6 50 50 55 1.2 \$\$ کک 1.7. 1.6 60 9 1.9.18 60 60 1. 65 55 7 65 6]. D たう 1.6 70 Γ. 5 75 25 75 8 1 Ĺ. MISC MW 80 j gais/mol 4 20 9 201 1.5 1. 32.00 3 37 02 1.8 85 35 4 85 1.5 28.01 CO 4 19 CO2 44 01 6 38 -1.5 20 E, 92 90 4 64 06 SO2 5 50 95 1.5 25 251 34.08 H₂S 5 17 4 28.01 N₂ 4.16 L 500 300 2.02 H₂ 3 38 2.9 465 2.1 Ι Ξ Z. 8 2. : 45 0 3 7 2.4 435 1 2.2 4 0 5 3 8 9 Ø 2 3 7 60 6 2.9 3.8 2 45 : 10: 310 L. 7 Y, ÷., Carl Balling and a start

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· Page 58 of 159 Received by OCD: 11/6/2023 9:44:10 AM 335 30 060 30-039-256 SHEET FOR DEEP GROUND BED CATHODIC. PROT 00-79800 NORTHWESTERN NEW MEXICO 34305H a No Stu Location: Unit / Sec./8 TwpZ9 Rng Operator Ductinulor Name of Well/Wells or Pipeline Serviced $_$ \supset \bigcirc Elevation — Completion Date 7-7-97 Total Depth 400 Land Type Casing Strings, Sizes, Types & Depths If Casing Strings are cemented, show amounts & types used $4e^{5}$ If Cement or Bentonite Plugs have been placed, show depths & amounts used Depths & thickness of water zones with description of water: Fresh, Clear, Salty, Sulphur, Etc. 310 - Fresh Depths gas encountered: Non? Ground bed depth with type & amount of coke breeze used: 400 VOIPSCO Depths anodes placed: (1)- 380 374 368 362. 356 350, 34 Depths vent pipes placed: Sur Vent pipe perforations: From 300' to 400 FFR 2 5 Remarks: 995 PALOUNTO (A DIST, Z If any of the above data is unavailable, please indicate so. Copies of all

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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125			290	0.7	[455	1	1	3	368	0.6	1.4
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55			320	0.8		485			9	3 32	0.9	2,0
60			325	1.0		490			10	326	1.0	1.9
65			330	0.9		495		·	11	320	0.7	1,5
170			335	0.9		500			12	314	0.5	1.5
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Received by OCD: 11/6/2023 9:44:10 414 = 30-039 - 07630 Page 60 of 159 3/18/96 3470 DATA SHEET FOR DEEP GROUND BED CATHODIC. PROTECTION WELLS NORTHWESTERN NEW MEXICO Operator Metidian Oil INC. Location: Unit A Sec. 17 Two 29 Rag 07 Name of Well/Wells.or Pipeline Serviced SAN JURN 29-1 # HA Elevation 6466 Completion Date 3/18/96 Total Depth 485 Land Type F Casing Strings, Sizes, Types & Depths 3/12 Set 99 of 8" PUC (MSING. NO GAS, WATER, OF Boulders Were ENCOUNTERED During CASING. If Casing Strings are cemented, show amounts & types used CemenTed WITH 20 SACKS. If Cement or Bentonite Plugs have been placed, show depths & amounts used None Depths 4 thickness of water zones with description of water: Fresh. Clear. Salty, Sulphur, Etc. Hit A Fresh WATER Seep AT 220. Depths gas encountered: None Ground bed depth with type 6 amount of coke breeze used: 485 DenTH. Used 64 SACKS of Loresco SW (6400#) Depths anodes placed: 445, 420,395,385,365,395,345,330,320,310,290,270,255,235, +215. Depths vent pipes placed: Sufface To 485 Vent pipe perforations: Bottom 360. DECENNE Remarks: 0 1007 DIM 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

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

be submitted when available. Unplugged abandoned wells are to be included

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Page 61 of 159

CPS GROUND BED CONSTRUCTION WORKSHEET

0087-W Prl NOME (=), NUMBER (=) 5.J. 29-7 # 444										
- 2HOG	TOTAL	"OLTB 11.23	24.2	- CHME , 464	3/18/96	Jother L. Moss				
	9999 Fa	* canatrua	tion lag) /	Driller Re	Oorted A	WATER SEED				
AT 220	. IN	sTAlled	485'of	"I" PE Ver	T Pipe, a	WITH THE				
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175			370	2.0		565			10	310	2.2	2.2
180			_375	2.0		570			11	290'	2.3	5.1
185			_380	2.1		575			12	270	2.2	49
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DA		THWESTERN NEW		
Operator <u>M</u> E	RIDIAN OIL	Loca	tion: Unit <u>SE</u>	Sec. <u>17</u> Twp_29
Name of Well	l/Wells or Pipeli	ne Serviced	SAN JUAN 29-7	UNIT #44A
			<u></u>	cŗ
Elevation 66	668'Completion Dat	e <u>8/20/80</u> Tot	al Depth 400'	Land Type*_
Casing, Siz	es, Types & Depth	S	N/A	
If Casing is	s cemented, show	amounts & typ	es used	N/A
If Casing is	s cemented, show	amounts & typ	es used	N/A
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If Cement or N/ Depths & th: Fresh, Clear Depths gas e Type & amour	r Bentonite Plugs /A ickness of water : r, Salty, Sulphur encountered:	have been pl zones with de , Etc N/A used:	aced, show dep escription of v 50' SAMPLE T 43 SACKS	oths & amount water when po AKEN
If Cement or N/ Depths & th: Fresh, Clear Depths gas e Type & amour Depths anode	r Bentonite Plugs /A ickness of water : r, Salty, Sulphur encountered: nt of coke breeze	have been pl zones with de , Etc N/A used: p', 302', 310',	aced, show dependent depen	oths & amount water when po AKEN
If Cement or N/ Depths & th: Fresh, Clear Depths gas e Type & amour Depths anode Depths vent	r Bentonite Plugs /A ickness of water : r, Salty, Sulphur encountered: nt of coke breeze es placed: <u>340', 330</u>	have been pl zones with de , Etc	aced, show dependent depen	oths & amount water when po AKEN
If Cement on N/ Depths & th: Fresh, Clean Depths gas e Type & amour Depths anode Depths vent Vent pipe pe	r Bentonite Plugs /A ickness of water : r, Salty, Sulphur encountered: nt of coke breeze es placed: <u>340', 330</u> pipes placed:	have been pl zones with de , Etc N/A used: 0', 302', 310', 375' 315'	aced, show dep escription of w 50' SAMPLE T 43 SACKS 300', 290', 280'	pths & amount water when po AKEN

Page of 159

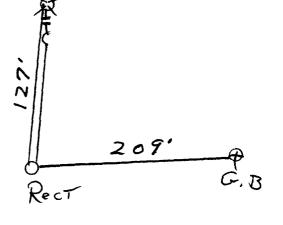
If any of the above data is unavailable, please indicate so. Copies of all logs, including Drillers Log, Water Analyses & Well Bore Schematics should be submitted when available. Unplugged abandoned wells are to be included.

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

Rape 63 of 159 Received by OCD: 11/6/2023 9:44:10 AM El Paso. Natural Gas. Company. Form 7-238 (Rev: 11-71) WELL CASING CATHODIC PROTECTION CONSTRUCTION REPORT 1. DAILY LOG. 7-2.0=8 Drilling Log (Attach Hereto). Completion Date 2 × 60 Annes Well Name CPS No. #44A SE17-29-7 1550-Type & Size Bit Used Work Order No. 51695.2 Anode Hole Depth 400 Total Drilling Rig Time Total Lbs. Coke Used . Lost Circulation Mat'l Usea No. Sacks Mud U 1099ed 43 Sacks 375 Anode Depth = 4 310 = 5 300 = 6 290 = 7 280 = 8 270 2 338 340 # 3 32A 179 # 4 2.9 # 5 2.5 # 6 2.6 # 7 3.0 # 8 2.7 # 3 2,6 # 9* 23 2 Anode Depth #.11°. # 16 # 17 # 18 # 19 # 12 # 13 # 14 # 15 Anode Output (Amps) # 11 # 12 # 15 #'16 = 17 # 18 # 13 14 Total Circuit Resistance No. 8 C.P. Cable Used 10. 2 C.F Amps 13.6 .. . Ohms .77 10:5 Volts UNION F/2 NOT Remarks: STATIC 600'NW 1,0 land DRILLER Soid hit water at 50° Next A. Rlew Water GOT Water Sample, Making APPROX 2 921, Per MINUTOZ 375' of I'VENT Pipe PartoRated 315' Of VENT Pipe. Set # ANODE UP 27 355. Hole caved had To move 1 10' STUB Pole V All Construction Completed 1 LOV 16A Recty Dirch+'Icable- 336' EVTRA COBIR - 157' GROUND BED LAYOUT SKETCH Hole Depth - 125'

recel

DISTRIBUTION: WHITE - Division Corrosion Office YELLOW - Area Corrosion Office PINK - Originator File



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El Paso Natural Gas Company

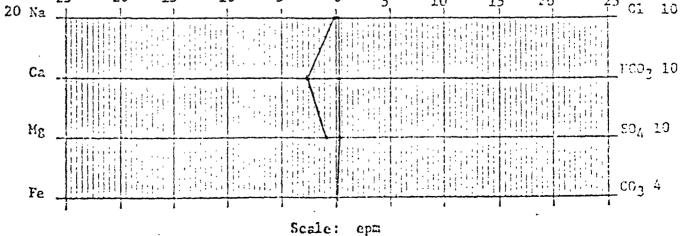
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Page 64 of 159

Form 7-1 (Rev 9-77)	6/2023 9:44:10 AM	El Paso Natural Gas Company ENGINEERING CALCUL	
- 	SJ 29-7-JU4A SE 17-29-7 CPS 1550-W W/0 57695-21	Union.	bov'NW-1.0 File: - F/2 NOT Zaid
MW gals/mol 16 04 C1 6.4 30 07 C2 10.12 44 10 C3 10.42 58 12 iC4 12.38 58.12 nC4 11 93 72.15 iC5 13 85 72.15 nC5 13 71 86.18 iC6 15 50	1 10' STUB Pole 1 40V 16A Rect DITCH + 1 Cable EXTRA Cable Hole Depth -1	336' 1571	DRIVER Said hit water at So' Next AM Blew Water Got Water Sample Fustallo 375 of 1" VENT Pipe, Perfora 315 of VENT Pipe. Storkyo 43 Sacks of Core. Set #1 ANDLE at 355', Hole Caved - had To Raise #1 Anode UP 15:
66.18 C6 15.57 100 21 IC7 17.2 100 21 C7 17.46 114.23 C8 19.39 28.05 C2' 9.64 42.08 C3' 9.67	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	200, 4 05, 5 10, 6 15, 6 25, 7 30, 9 35, 5 40, 7 45, 7 50, 6 16, 1055 , 10	50).6. 55).9 60 1.6 65 1.6 75 1.5 TD 80 85 95 95 400
MISC <u>gals/mol</u> <u>32.00</u> O2 337 28.01 CO 4 19 44.01 CO2 6 38 64.06 SO2 5 50 <u>34.08</u> H ₂ S 5 17 <u>28.01</u> N ₂ 4 16 <u>2.02</u> H ₂ 3 38	10 .6 .5 .5 .5 .5 .5 .5 .5 .4 .4 .4 .6 .2 .2 .3 .6 .5 .5 .5 .4 .5 .5 .5 .5 .5 .5 .5 .5 .5 .5 .5 .5 .5	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$ \begin{array}{c} (1) 340 & 2.2 & 3.3 \\ (3) 330 & 1.9 & 29 \\ (3) 330 & 1.8 & 2.6 \\ (5) 510 & 2.0 & 2.9 \\ (5) 510 & 2.0 &$
			10.5 V 13.6 A ,77 r

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

Analysis No. <u>1-10020</u>		Data 11 12 80
Operator El Paso Natura	1 Gas	Well Name San Juan 29-7 #44A
Location SE 17-29-7		County San Juan State New Mexico
Field Blanco		Formation
Sampled From CPS 1550	W.@ 50 ft.	
Date Sampled 8-20-80		ByWillis Knight
Tbg. Press		Surface Csg. Press
Sodium 40	erm 1.8	ppm epm Chloride 16 0.5
Calcium <u>48</u>	2.4	Bicarbonate 229 3.8
Magnesium 11	0.9	Sulfate 40 0.8
Iron No test		Carbonate 0 0
H ₂ SNo test	- <u>11</u>	Hydroxide 0 0
cc: C.B. O'Nan		Total Solids Dissolved 274
R.A. Ullrich E.R. Paulek		pH7.9
J.W. McCarthy A.M. Smith		Sp. Gr9964 At 60°F
W.B. Shropshire D.C. Adams File		Resistivity 2000 ohm-cm at $77^{\circ}F$
		<u>Chemist</u>
25 20 15	10 5	0 5 10 15 20 25 cm



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		:			WELL NO			TRACTO		7	11:	/ / / / / / / / / / / / / / / / 	RIG NO.	5/67 #1		DRT NO			Augus	ř.	
- 11 -	LEASE			ANNING	WELL NO					Del	AYLIG	9		-/					Hugus	<u>- 20 =</u>	<u>, 1980</u>
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Operat	tor MERIDIAN OIL	-		
walle (of Well/Wells or F	therrue perviced	SAN JUAN 29-7	cps 168
Flore	tion (770) Completie			
	tion <u>6770'</u> Completic			
casing	g, Sizes, Types &	Deptns	N/A	
	sing is cemented, ment or Bentonite			
	N/A			
		······		
Depths	s & thickness of w	vater zones with o	description of	water when pos
			-	
Fresh	s & thickness of w	ilphur, Etc	-	
Fresh, Depths	s & thickness of w , Clear, Salty, Su	1]phur, Etc	180' SAMPL	
Fresh Depths Type 8	5 & thickness of w , Clear, Salty, Su 5 gas encountered: 6 amount of coke b	N/A N/A	180' SAMPL 3500 lbs.	E TAKEN
Fresh Depths Type 8 Depths	s & thickness of w , Clear, Salty, Su s gas encountered:	N/A	180' SAMPL 3500 lbs.	E TAKEN
Fresh, Depths Type & Depths Depths	s & thickness of w , Clear, Salty, Su s gas encountered: & amount of coke b s anodes placed: <u>360</u>	N/A N/A N/A noreeze used:	180' SAMPL 3500 lbs.	E TAKEN
Fresh, Depths Type & Depths Depths Vent p	s & thickness of w , Clear, Salty, Su s gas encountered: & amount of coke b s anodes placed: <u>360</u> s vent pipes place	N/A N/A N/A preeze used: 0', 350', 340', 330' ed: 230'	180' SAMPL 3500 1bs. 320', 310', 300'	E TAKEN , 290', 270', 26

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

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

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FM 07-0238 (Rev. 6-82)

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WELL CASING CATHODIC PROTECTION CONSTRUCTION REPORT DAILY LOG

Drilling Log (Attach Hereto).

Completion Date 11-23-82

CPS #	Well Name,				70 rk Orde			tatic:		Ins. Union Check	
1689-W	S.d. 2	<u> 29-7 # 8</u>	76-A		5910	-2 -50-20	2-64	600'\$	= . 8/	- 🗹 Good	🗌 Bad
Location		ode Size	Anode	Туре			Size Bit	"			
NW-17-29.	7 2	?"x60"		uriro.	N		4	\$40	carbide.	TIP Roc	K B.t.
Depth Drilled	Depth Log	75'	Drilling Rig		Total	Lbs. Goke Used		Lost Circulatio		No Sacks Mud U	red
Anode Depth # 1 3 6 0 # 2		# 3 3 4 0	1 1 1 1 1 1 2 2	∧ '# 5 2		1 	1	300	28290	× 9 270	
Anode Output (Amps	i) /		1	1		,				1	· ·
# 1 2.62 # 2	3.03	<u>* 3 3 0 2</u>	# 4 2.7	<u>9 ¦# 5 2.</u>	64	# 6 2.4	47	3.80	* 8 2.25	1# 9 2.94	# 10 2.8
Anode Depth	- í		1	1			1				
# 11 # 12 Anode Output (Amps		# 13	# 14	# 15		# 16	# 17		# 18	# 19	# 20
# 11 # 1		# 13	1 # 14	! !# 15		# 16	1 # 13	7	# 18	# 19	# 20
Total Circuit Resis Volts 12,50	tance	. 0 . 7	·	. 98		No. 8 C.P. Ca	ible Us	sed		No. 2 C.P. Ca	ble Used
Remarks: <u>ST.</u>	5 60	0-5 =1	81-150	MA. Ca	<u>SIN</u>	q +	u	VION/	Good		
DRiller S	said h	Dater A	t 16	<u>0' Ca</u>	ugh	t wate	er	SAM	Phe 11	-22-82	2 and
DRILLed	to 7	001.1	1-23-	.82	609	ged 37	<u>5'.</u>	inst	Lahled	380'	0F
UENT PiF	<u>e, 2</u>	<u>30' Pe</u>	rFira	tions						····	

Rectifier Size: 40 16 V A Addn'l Depth___ NO 12 _ Depth Credit:__ /75 Extra Cable:_ Ditch & 1 Cable: 175 25 'Meter Pole: NO 20' Meter Pole:___ 10' Stub Pole:__

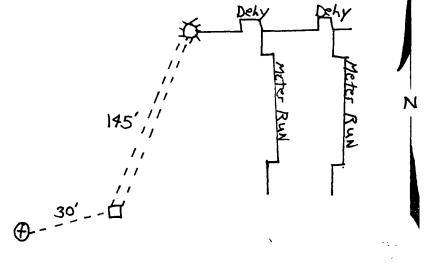
All Construction Completed

Non

GROUND BED LAYOUT SKETCH

Reg : 10-22 8 hrs 10-23 8 hrs 0770

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El Paso El Paso ENG Form 7-3	Natura INE 371 (11	I Gás C ERIN -77)	ompan NG C S.J	AL(CUL 29-	ATIC ・ワー	3 N S '≠‡	SHE	ет 6-	16 A	89	-u Ni) N-1	7-	2	9.1	2	!	10	#	_5%	2/0/	/	2/.	- 50	- 2	0 -	- 6 -	J.			; ` ; `	Paģe Date By		iz i		Page		f 159
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EL PASO NATURAL GAS COMPANY SAN JUAN DIVISION FARMINGTON, NEW MEXICO PRODUCTION DEPARTMENT WATER ANALYSIS

Analysis No1-10663	Date December 7, 1982	
Operator El Paso Natural Gas	Well Name San Juan 29-7 #86-A	
Location NW 17-29-7	County Rio Arriba Stare New Mexico	<u> </u>
Field	Formation	
Sampled From CPS 1689W @ 160 Fo	eet	
Date Sampled November 22, 1982	By_ D. J. Hitt	
Tbg. PressCsg.	Surface Csg. Press	
ppm epm Sodium 25 1.1	ppm epm Chloride 10 0.3	· .
Calcium 30015.0	Bicarbonate <u>146</u> <u>2.4</u>	
Magnesium 39 3.2	Sulfate 800 16.6	
Iron .	Carbonate 0 0	·
H ₂ S	Hydroxide 0 0	,
cc: R. A. Ullrich E. R. Paulek J: W. McCarthy J. D. Evans W. B. Shropshire D. C. Adams File	Total Solids Dissolved1292pH_6.9Sp. Gr. 1.0013AtResistivity656ohm-cm atJoe P. Barnett & Dennis P. Bird	60°F 73 °F
$\begin{array}{c} 20 \text{ Na} & \begin{array}{c} 25 & 20 & 15 & 10 & 5 \\ \hline \\ 0 & 1 & 1 & 1 & 1 \\ Ca & 1 & 1 & 1 \\ Mg & 1 & 1 & 1 \\ \end{array}$	Chemist	25 C1 10 HCO ₃ 10 SOL 10
Fe		- co ₃ 4
8	Scale : epm	· · · · · · · · · · ·

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		Total clog depth	Total usle depths	Samale.	all min the stood	REMARKS - Hit, TUTLer 160'					FROM TO TIME		· · · · · · · · · · · · · · · · · · ·	UD RECORD MUD,	MAKE SAME TOT	TYPE Balton DOWN	SIZE 6 34	NO.	BIT		20-		40 Alali	so sauda	ом то горм	·	LEASE S.J. 29-7 W	M-6891
SIGNED:		- 375'	-2001		will	3 gallors					E BREAKDOWN			ADDITIVES USED AND RECEIVED	TOTAL DEPTH 400	DOWN ON KELLY	SINGLES 20	ST ANDS	SIZE	SIZE 4/2 LENG.201		676		6		Total Men In Crew	WELL NO. 86-A CON	
ED: Toolpusher <u>Bu</u>						REMARKS -					FROM TO		I IIIE WL. VIS.	UD RECORD	MAKE	TYPE	SIZE	SERIAL NO.	BIT NO.		5	0	_	02/ 06	FROM TO	Driller	CONTRACTOR3-C De	
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Company Supervisor						REMARKS					FROM TO		ville wt. vjs.	JD RECORD	MAKE	түре 、	SI ZE	SERIAL NO.	BIT NO.						TO.	Driller	REPORT NO. /2	
							and a second			and the second	TIME BREAKDOWN			MUD, ADDITIVES USED AND RECEIVED	TOTAL DEPTH	DOWN ON KELLY	SINGLES	STANDS	NO. DC SIZE LENG.	NO. DC SIZE LENG.					FORMATION WT-BIT RE	Total Men In Crew States States	EVENING	DAILY DRILLING REPORT

Page 72 of 159

Received	' by	OCD:	11/6/2023	9:44:10 AM		- 1
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DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS NORTHWESTERN NEW MEXICO (Submit 3 copies to OCD Aztec Office)

45E- 30-039-23956

4564

Operato	orMERIDIAN OIL	Location: Unit_SW_Sec.20_Twp_29_Rng_7_
Name of	Well/Wells or Pipeline S	Serviced SAN JUAN 29-7 UNIT #45, #45E
		срз 119w
Elevati	on_6575'Completion Date_9	/9/83 Total Depth <u>520'</u> Land Type* <u>N/A</u>
Casing,	Sizes, Types & Depths	6' OF 8" CASING
If Casi	ng is cemented, show amou	unts & types used <u>N/A</u>
If Ceme	ent or Bentonite Plugs hav	ve been placed, show depths & amounts used
Depths		es with description of water when possible:
_	Clear, Salty, Sulphur, Et	c. 160'. 235' DEGELVE
Depths	gas encountered: N	A MAY 3 1 1991 /A OIL CON. DIV.
Type &	amount of coke breeze use	ed: 5000 lbs. \ DIST. 3
Depths	anodes placed: _460', 250',	240', 230', 220', 210', 200', 190', 180', 170'
Depths	vent pipes placed: 5	10' OF 1" PVC VENT PIPE
Vent pi	pe perforations: 4	40'
Remarks	; <u></u>	

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

*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

9-9-83 Drilling Log (Attach Hereto) Completion Date___ CPS # Well Name, Line or Plant: Ins. Union Check Work Order # 29-7 #4/5 40056-19-50-20-63 S.J🗌 Bad Good 119-W Locate Anode Size Size Bit Anode Type 2" X60 63/4 5W 20-29-20:00 r Depth Logged Drilling Rig Tim Total Lbs Goke Used Lost Circulation Mat'l Used No Sacks Mud Used ふつつ $\Omega \Omega \Omega$ Anode Depth # 3 24N # 5 22n # 8 190 #1460 <u>* 2</u>250 #91*80* # 6 NID # 7200 # 10/70 230 # 4_ Anode Output (Amps # 44.2 # 5 5.0 * 10*3*, #13.0 #745 # 83.4 * 9 **3**. 3 # 64,6 # 2 # 3 Anode Depth # 20 #11 # 12 # 13 # 14 # 15 # 16 # 17 # 18 # 19 Anode Output (Amps) # 11 # 12 # 13 # 14 # 15 # 16 # 17 # 18 # 19 # 20 No. 2 C.P. Cable Used No. 8 C.P. Cable Used Total Circuit Resistance に 5.5 78 Volts Ohms Amps ·Ilen 161 05. nC Remarks: Found sith Ner 450 water Sample. 109. would not Redr:11 **Rectifier Size:** All Construction Completed Addn'l Depth_ Depth Credit:_ 5 Extra Cable:_ and Ditch & 1 Cable:_ 102 25'Meter Pole:_ GROUND BED LAYOUT SKETCH 20' Meter Pole: #2 GB#1 10' Stub Pole: ⊕__<u>&)'</u> Yim €#8[#]3 2

0.22-2(Flavril-6.1)	}	EL PASO	EL PASO NATURAL GAS COMPANY	N/		te nel e		
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Received@by70@D?711/6/2023 9:44:10 AM Sheet: age 75 of 159 El Paso Natural Gas Company **ENGINEERING CALCULATION** 9-9-83 Date: By: File: CPS 119-W S.J. 29-1 # WO. # 40056-19-50-20-63 : .:· ` SW20-29-7 Redrill #3 Set 6'of 8" Cosing LAVC n: Ilea 0ف found water to from hole, Found more Blew woter 'Installed 510 water at 235 1.60 1.0 MW 37°0 pyc. yent pipe with 440 gals/mol . I. C1 64 16.04 ectorotions got water sample 65 1.0 75 2 30.07 C2 10.12 70 11 0 44.10 C3 10.42 80 2 58.12 12 38 IC4 85 75 11 2 58.12 nC₄ 11.93 90 Dr. 11ed : 520 Logged : 507 72.15 13.85 iC5 80119 Ζ 72.15 13.71 nC5 95 85 10 .2 86.18 IC6 15.50 86.18 C6 15.57 90 10 8 400 Z 100.21 ıC7 17.2 100.21 C7 17 46 95 1.0 rilled in sandy shale 05 .2 114 23 C8 19.39 00.1.1.0 1:0 from 255 to 450 which would 3 28.05 C2³ 9.64 9 67 42.08 C3² not hog. 0.5 1.2 15 ,4 10120 20 2 25 15 12 2 20. 1.2.5 .Z 25 1.1 35 .Z460 0 1.2 30 11 (4) 3.0 40 3 Beller 35 1.1 3.2 250 2 1.2 45 240 3 1.2 40 1.0 3 50 3.3 23091.3 45 1.0 1,2 4.2 ్ క క 220 (51.6 50 1.02 5.0 60 1.2 210 61.6 55 R 4.6 8 65 200 (1.6) 60 4.5 6 7:0 65 3.4 75 MISC 180 9 1.4 3.7 MW 70 5 5 gals/moi 80 32.00 3 37 02 85 1700 1.45 75 3.4 لما ا , lo 28.01 со 4 19 44.01 CO2 6 38 80 90 7 . 8 64.06 SO₂ 5 50 95 85 8 34.08 H₂S 5.17 مًا 28.01 N₂ 4.16 90 500 15.5A 2.02 H₂ 3.38 95 05 3.00 10 15 05 10 2'0 20 25 30 35 40 2 45 50 55 60

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30-039-07598
DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS NORTHWESTERN NEW MEXICO (Submit 3 copies to OCD Aztec Office)
Operator <u>MERIDIAN OIL</u> Location: Unit <u>NE</u> Sec.20 Twp29 Rng7
Name of Well/Wells or Pipeline Serviced <u>SAN JUAN 29-7 UNIT #49</u>
cps 293w
Elevation_ <u>6390'</u> Completion Date <u>5/29/74</u> Total Depth <u>580'</u> Land Type* <u>N/A</u>
Casing, Sizes, Types & Depths
If Casing is cemented, show amounts & types used <u>N/A</u>
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. 60'
Depths gas encountered: N/A NL CON. DIV
Type & amount of coke breeze used: <u>N/A</u> DIST. 3
Depths anodes placed: 500', 490', 450', 440', 415', 395', 385', 370', 325', 315'
Depths vent pipes placed: <u>N/A</u>
Vent pipe perforations: 460'
Remarks: <u>gb #2</u> :

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

Received by OCD: 11/6/2023 9:44:10 AM Page 77 of 159 Form 7-238 (Rev. 1-69) WELL CASING CATHODIC PROTECTION CONSTRUCTION REPORT DAILY LOG 58-11-1 1 1 1 M 二、 计先的现代问题 化 . 5. ompletion Date_ Drilling Log (Attach Hereto). CPS No. Vell_Nampe Location NE20-29-7 Work Order No. Size Bit Used 40020.01-50-20 Depth Lost Circulation Mat'l Used Total Drilling Rig Time Total Lbs. Coke Used # 2 490 |# 3 450 |# 4 440 |# 5 415 |# 6 395 |# 7 385 |# 8 370 |# 9 325 |# 10 315 #32.1 #42.2 #51.8 #61-8 #71.9 #81.6 # 2 2.6 # 9 2.6 ... # 10 2.7 Anode Depth # 19 # 20 # 12 # 13 # 14 # 15 # 16 # 18 Anode Output (Amps) # 12 # 18 # 11 # 14 1# 15 # 19 # 20 # 13 # 16 No. 8 C.P. Cable Used No. 2 C.P. Cable Used Total Circuit Resistance Volts //.5 Amps 10.0 Ohms 1.15 Remarks: Driller Said Water at 60'- Old GNO BED, Top anode at 66' Bottom anode at 92' - Helped to Water old GND BED Didn't think Enough Water, Told to Go Deeper Vent Perforated 460' - Pumped 2 Loads Water anodes Covered, Went after another hood of water Contr Boid Would Pump to 60 of Surface Left Location to make anodes All Construction Completed \$3,409.00 12.80 3,421.80 187.50 × DEPTH GROUND BED LAYOUT SKETCH \$3,609.30 144.37 TAX 753.67 Original & 1 Copy All Reports cleased to Imaging: 1/3/2024 11:14:35 AM

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

Operator	MERIDIAN OIL	Location: Unit_SW_Sec.29_Twp29_Rng_7
Name of	Well/Wells or Pipeline Serv	viced
<u>.</u>		cps 122w
Elevatio	on <u>6347</u> 'Completion Date <u>6/30</u>	/70 Total Depth 720' Land Type* N/A
Casing,	Sizes, Types & Depths	N/A
If Casir	ng is cemented, show amount:	s & types usedN/A
	······································	
If Cemer	nt or Bentonite Plugs have l	peen placed, show depths & amounts used
	N/A	
Depths &	a thickness of water zones w	with description of water when possible:
Fresh, (Clear, Salty, Sulphur, Etc.	WET AT 85'
		RECEIVEM
Depths q	gas encountered: N/A	MAY31 1991
		BE SACKS OIL CON. DIV
Depths a	anodes placed: <u>605',580',570</u>	DIST *
Vent pip	pe perforations: <u>N/A</u>	·
Remarks	:gb_#2 ANODES #1 & #8	

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

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Received by OCD: 11/6/2023 9;44:10 AM El Paso Natural Gas Company Page 81 of 159 WELL CASING Form 7-238 (Rev. 1-69) CATHODIC PROTECTION CONSTRUCTION REPORT New man - set of the strength of a set of the A. A. Water with the start of Sec. Line C.P.S Contract. Completion Date <u>6-30-70</u> Drilling Log (Attach Hereto); NO2GNO BED CPS No. Well Name Location 5W 29-29-:99 Type & Size Bit Use Work Order No 2374-50-20 Total Lbs. Coke Used Lost Circulation Mat'l Used Total Drilling Rig Time No Sacks 0 270 | # 10 260 #7 43S 580 555 # 5545) 445 * 3 570) 80 #3 **3** 3 # 5 1.8 # 9 4.2 # 10 4.2 1#4 1.8 1,1 # 2 **3.**7 #7 1, Q # 8 # 6 × 12 ZAD # 14 . 17 # 20 # 15 # 16 # 18 # 19 ¦# 12 **4 · O** # 13 # 15 # 18 # 16 # 19 Total Circuit Resistance No. 8 C.P. Cable Used No. 2 C.P. Cable Used 🎦 Ohms D. 9.6 Volts 12.0 Amps Drill 360' Klith dir - Driller Soys wet at 85' Remarks: 1 & 8 are single, all others Dua de's # NO - Slurry 24-Sacks Coke-86 mped Couldn Get any Deepe ged ×{1[€] Porto hale All Construction Completed GROUND BED LAYOUT SKETCH 58

Form 7-1 (Bev. 5-67) Received by OCD: 11/6/2023 9:44:10 AM

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EL PASO NATURAL GAS COMPANY ENGINEERING DEPARTMENT

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Page 84 of 159

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98 -	30-039-	07535
09 -	30-039-	21330

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

Operator <u>MERIDIAN OIL</u> Location: Unit <u>NE</u> Sec. <u>30</u> Twp <u>29</u> Rng <u>7</u>
Name of Well/Wells or Pipeline Serviced <u>SAN JUAN 29-7 UNIT #98, #109</u>
cps 118w
Elevation 6404'Completion Date 5/6/74 Total Depth 660' Land Type* N/A
Casing, Sizes, Types & DepthsN/A
If Casing is cemented, show amounts & types used <u>N/A</u>
If Cement or Bentonite Plugs have been placed, show depths & amounts used
N/A
Depths & thickness of water zones with description of water when possible:
Fresh, Clear, Salty, Sulphur, Etc. 440'
Depths gas encountered: N/A OII CONI DI
Type & amount of coke breeze used: 11300 lbs. \DIST. ?
Depths anodes placed: <u>620', 610', 595', 585', 575', 565', 555', 520', 510', 495</u>
Depths vent pipes placed:N/A
Vent pipe perforations: 200'
Remarks:

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

Received by OCD: 11/6/2023 9:44:10 AM El Paso Natural Gas Company Page 85 of 159 4066520 WELL CASING Form-7-238 (Rev. 1-69) CATHODIC PROTECTION CONSTRUCTION REPORT DAILY LOG 5-6-74 Completion Date Drilling Log (Attach Hereto). CPS No. # 98 NE 30 - 29 - 7 Work Order No. Type & Size Bit Used 52373.19-50-20 6 No. Sacks Mud Used Total Drilling Rig Time Lost Circulation Mat¹ Used 11,300 ES? 660 # 3 5 95 # 4 5 85 # 5 575 # 6 565 # 7 555 # 8 520 # 9 510 # 10 49 # 2 610 #3 1.8 #4 1.6 #5 2.0 #6 2.2 #7 2.7 1=8 1.9 #9 1.8 # 10 1.5 # 2 /. 8 Anode Depth # 17 # 18 # 19 l# 20 # 12 # 13 # 14 # 15 # 16 Anode Output (Amps) # 12 # 18 # 20 # 13 # 15 # 16 # 17 # 19 No. 8 C.P. Cable Used No. 2 C.P. Cable Used Total Circuit Resistance 6.0 1.90 11.4 Ohms Amps Volts WATER STANDING @ 415' After 12405 Driller said Lots of Water @ 440' VENT Hose Perforated 200' PUMped to Above Water Zone, Complete By Slurry \$ 3,409.00 All Construction Completed 1,087.50 EXTRA DEPTH 4,496.50 18.80 2 ADIE (Signature) GROUND BED LAYOUT SKETCH 4,51**5.**30 180.61 TAX 42' 34,695.91 TOTAL val & 1 Copy All Reports Released to Imaging: 1/3/2024 11:14:35 AM

ived by OCD: 11/6/20	023 9:44:10 AM		>	Page 86 of
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DIAMOND CORE DRILLI		CONTRACTORS		GENERAL OFFICE
GROUTING		14991 W. 44TH AVENUE GOLDEN, COLORADO 80401	و به هور به به هم المراجع ، مراجع مراجع ، المراجع .	14991 W. 44TH AVEN
FOUNDATION TESTING		PHONE (303) 278-9505		CALL 1-838-4821
QUARRYING Shaft Sinking Water Well Drilling				
Drill <u>C.</u> D.	15W		Date 4	-6-74
			• · · ·	
Owner	<u> </u>			
Location		1. 4.5.		
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EL PASO NATURAL GAS COMPANY ENGINEERING DEPARTMENT

Sheet Date: By:

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, 		4/5.6	. 8 :	HUDTER MULTER	. @ 4/5
;	MW gala/mol 36 C1 6.4 30 C2 9.56 44 C3 10.42 58 TC4 12.38 " NC4 11.93 72 107 13.45	. G 3 v. G	10.7	11 2 - 07 2 440	LoTS dX
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		<u>50.5</u> .5 .72.4	40.7 39 3077	LOG W2TOT	COAP
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;	$\begin{array}{c} MW & MISC \\ \hline 44 & CO_2 & 6 & 18 \\ \hline 44 & H_25 & 6 & 17 \\ \hline 26 & N_2 & 4 & 16 \\ 2 & H_2 & 3 & 39 \\ \hline \end{array}$		8520 9510	3 .8 .7 2 .7 .7	1.9
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by OCDA	16/2023-914:10198 A # 513	30-030	7-21633		Page 88 o
ļ'	#513	30-030	7-24298	/	
		FOR DEEP GROU NORTHWES ubmit 3 copie	TERN NEW MEXI	ICO	ON WELLS
Oper	ator <u>MERIDIAN</u> OIL	3	Location:	: Unit_ ^{NW} Sec	. <u>30</u> Twp_29 Rng_7
Name	e of Well/Wells o	r Pipeline Se	rviced SA	N JUAN 29-7 UN	IT #78A, #513
			w <u></u>		cps 1409
Elev	ation_ <u>6349</u> Comple	tion Date <u>8/1</u>	<u>0/79 </u> Total De	epth <u>495'</u> L	and Type* <u>N/A</u>
Casi	ng, Sizes, Types.	& Depths	N/.	A	
	. <u> </u>	<u></u>			
	asing is cemente				N/A
If C	ement or Bentoni	te Plugs have	been placed,	, show depth	s & amounts use
Dopt	N/a hs & thickness o	f water zeros	with docarin		or when negrial
			-		-
Fres	h, Clear, Salty,	-	•WATER SA	ND /10' - 180'	& 203 ⁻ - 223
	SAMPLE TAKE	<u>N</u>			
Dept	hs gas encounter	ed:N/A	L		····
Туре	& amount of coke	e breeze used	:51	SACKS	
Dept	hs anodes placed	: 455', 415', 39	95', 385', 375',	365', 355', 3	345', 310', 240'
Dept	hs vent pipes pla	aced:500)'	ENEM	
Vent	pipe perforation	ns:400	<u>DEU</u>		7 ,
Rema	rks:		MA UU	Y31 19911	
			on.	CON. DIV.)	·
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If any of the above data is unavailable, please indicate so. Copies of all logs, including Drillers Log, Water Analyses & Well Bore Schematics should be submitted when available. Unplugged abandoned wells are to be included.

Received by OCD: 11/6/2023 9:44:10 AM 🛫 El Paso Natural Gas Company Form 7-238 (Rev. 11-71) WELL CASING CATHODIC PROTECTION CONSTRUCTION REPORT DAILY-LOG A.C. ompletion Date Drilling Log (Attach Hereto). CPS No. Location # Type & Size Bit Used 3 Work Order No 3 0 Total Drilling Rig Time Anode Hole D ost Circulation Mat'l Used No. Sacks Mud Used Total Lbs. Cok 95 AGS Anode Depth [* 6 365 |* 7 355 |* 8 345 |* 9 3 55 # 2 **L** 4 ຳ້ດ Anode Output (Amps #-7-2.4 #8 2.3 #9 2.0 # 6 Z./ # 10 #1 # 2 # 3 L10 ≠ 5 # 4 Anode Depth # 13 # 16 # 17 # 18 # 19 # 20 #11 # 12 # 14 # 15 Anode Output (Amps) # 11 # 18 # 207 # 12 # 13 # 14 # 15 # 16 # 17 # 19 No. 2 C.P. Cable Used Total Circuit Resistance No. 8 C.P. Cable Used 10 Ohms Volts Amps ZZ Remark 00" All Construction Completed (Signature) STUB POLE GROUND BED LAYOUT SKETCH 40/16 REET DITCH+ICABLE=26 EXTER CABLE = 310 HOLE DISTRIBUTION: WHITE - Division Corrosion Office YELLOW - Area Corrosion Office PINK - Originator File.

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8 the Received 5 00 00 11/6/2023 9:44:10 AM El Paso Natural Gas Company ENGINEERING CALCULATION 31/100 Date: By: STATIC: 85 1409 W File: SJZ9-7#78A NW30-29-7 'to sand 1.70 180 W 205 Z per night 100 reell he 10 Na mple) Hue lacen - ne мw gais/mol 16 04 64 C1 1 C2 10.12 Vent 30.07 44.10 Сз 10 42 58.12 IC4 12.38 gel 4 58.12 11.93 TD 495 500 nC₄ 72.15 13.85 IC5 72.15 13.71 nC5 86.18 15.50 aOi 119 10,5 86.18 15.57 C6 200 100.21 17.2 IC7 100.21 C7 17 46 16 5 , 5 5 5 114.23 С8 19 39 . 7 .9 10 101 28.05 C2² 9.64 10 1.1 42.08 C3[:] 9 67 8 1.2 15 ,کړ 15 1.2 20 1. 4 20 Ţ 20: 1.1 1.5 7 کرچ 25 25 7 30 1.9 30 30: (e 35 1.9 3Š, أكرفت 1 40 7 40 40 10 45 1.2 45 8 5 à 6 50 వు یکک 5 1.6 55 2 أكك 17 0 60 60 1.5 60 1.0 4 65 S af. 65 1.2 Æ, 70 2 6 D 1.1 10 75 75 ß. 75 MISC мw gais/mol 80 20 1.0 60 ó . ک 32.00 02 3 37 6 کی 1.6 25 85 4 (4 28.01 co 4 19 44 01 CO2 6 38 90 Ð 1.3 90 6 64.06 502 5 50 . 8 75 95 15 34.08 H₂S 5.17 3 28.01 N₂ 4.16 300 400 00 3 38 2 02 H₂ 455 1.1 1 = 2.0 1.8 3 415 1.1 Z 3 5 2.0 395 1.Z 4 -3 2.6 5= 375 Z,9 <u>k</u>. 6 3 6 6 2 Z. 5 l. 1 355 7 2.4 2 5 8 = 3.45 Z. 3 3 9 = 310 9 2 240 10 = 2.4 1 3. 1. ir in 5

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

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	Anal	lysis No. <u>1</u> -	9742	Dat	e <u> </u>	-79		
	Oper	ator EPNG		Well Nam	e Sa a Jua	in 29-7 # 7	8 A	
	Loca	ation NW 30	-29-7	County Rio	Arriba	State N.M	· •	
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	Calc	ium 572	29		Bicarbonat	e 137	2	
	Hagr	nesium 49	4		Sulfate	1650	34	•
	Iror	Present			Carbonate_	0	0	
	H2S_	Absent			Hydroxide_	0	0	•
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DATA SHEET FOR DEEP GROUND_BED: CATHODIC PROTECTION WELLS NORTHWESTERN NEW MEXICO

Operator MERIDIAN OIL CO. Location: Unit K Sec. 24 Twp29 Rng 8

Name of Well/Wells or Pipeline Serviced HARDIE A # 2 R

cps 871w

Elevation 6387 Completion Date8/28/90 Total Depth 500 Land Type N/A

Casing Strings, Sizes, Types: & Depths 20 ft. 8" PVC Casing

If Casing Strings are 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: Fresh, Clear Salty, Sulphur, Etc. Wet at 35 ft, 95ft & 210 ft no sample

Depths gas encountered: N/A

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

7700 lbs of Ashbury petroleum coke

Depths anodes placed: 470.	463, 456, 445, 435, 428,	421, 417, 307, 300
Depths vent pipes placed:	500 ft. 1" vent pipe	MECEIVEN
Vent pipe perforations:	N/A	M
Remarks:		MATOL IN
		DIST. 3

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

<u>ceived by OCD: 11/</u> «Жил" 0238 (Rev. 10-82) # 20	6/2023 9		ATHODIC PF	ROTECTI	LL CASING ON CONSTRUC AILY LOG	TION RE	PORI	Pag	ge 94 of 159
- Drilling Log (Attach F	lereto)				-		Completion I	Date 8 - 28	3-90
CPS #		, Line of Plant:		Wor	k Order #	Static:		Ins Union Check	
871-W	Har	Die At	≠2R						🗌 Bad
Location: K-24 - 29-8	^	node Size 2t X 60 ⁺	Anode Type AN	" " Te C		Size Bit:	3/4		
Depth Drilled	Depth L		Drilling Rig Time		Total Lbs. Goke Used	Lost Ci	rculation Mat'l Used	No. Sacks Mud U	sed
Anode Depth # 1 470 # 2	463'	# 3 456	# 4 445	<i>∎</i> 5 43			21' # 8 417'	×9307'	_{# 10} 300
Anode Output (Amps # 1 2.4 # 2 Anode Depth	· .	# 3 2.6	#42,2	#5 Z.	0 #62.1	#72.	0 1= 82.2	#92.4	# 10 2,3
# 11 240 # 12	215'	# 13	¦# 14	# 15	# 16	# 17	# 18	# 19	≉ 20
Anode Output (Amps # 11 1,7 [# 12	22.0	# 13	1 1 1# 14	# 15	# 16	# 17	4 18	# 19	# 20
Total Circuit Resist Volts / Z, 4	· · · · · ·	s 8.8	Ohms	1.4	No. 8 C.P. C	able Used		No. 2 C.P. Ca	ble Used
Remarks: <u>Set</u> 2			Casing	. DR	Iller Sau	t wet	or 35; 9	5; + 21	o', Sat
							Water Sam		
INSECTING	JT 26	o', Ran	500 0	<u> </u>	VENT Pipe	Le. Le.	ft Corke B	Reeze 1	9PPR ox
	γ						SROUND Bed		
Lowered						···· ·	<u>_</u>		
	,,	JANCE	, _ , _ , _ ,		······································				••••••

Rectifier Size:	VA	
Addn'l Depth		
Depth Credit:		
Extra Cable:	10'	
Ditch & 1 Cable:	57'	
25 'Meter Pole:	· · · · · · · · · · · · · · · · · · ·	
20' Meter Pole:		
10' Stub Pole:		
Junction Box:		

. . :

All	Construction	Completed
7. • •	COM36/6CH0/#	Compreseu

HORDIA ATTZR

N

Willis In

GROUND BED LAYOUT SKETCH

57' QG. B. #2 Rect.

...

BURGE CORROSION SYSTEMS, INC.

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

WELL NAME:	RIDIAN O.L	WELL NUMBER:	Y DRILLING REPORT	8-28 TOWNSHIP:*	
			JEUTION		MANUE: 1
ARDIE	WATER AT:	A 2-R	HOLE MADE:		<u> </u>
	WATER AT:	FEE1:			
- <u></u>	· · ·	DESCRIPTION OF	FORMATION		
FROM	то	-	FORMATION IS		COLOR
0	18'	8" PVC CASIA	16 -CEMENTED	- clay /sha	k
18'	35'	SANDSTONG		•	
35'	90`	shale			
<i>G</i> o'	100'		STURE -WET		
100	160'		SAND MX		
160	170'	COAL			
יסרו	180'	SANDSTONE			
180	310'	BENTONITE	/smo mix		
210'	220'	Monstnee	/SAND		
220	210'	SAND - BEN	TONITE MIX		·
240'	500		SAND-SHALE	Mix	
			······································		
		1			· .
· · · · · · · · · · · · · · · · · · ·					
······································	SET 20' "Du	Casiale -	ELABATEN . N	oilles + 24	1 m 77
REMARKS: - Had to Go	SET ZO' 8" PV	JEOT AM. HA	> monstule a	+ 35', 100'	210-20
		Driller	rian 2.	Burge	Tool Dress

Received, by	OCD:	11/6/2023	9:44:10 AM
3 8			

CONSTRUCTION LOGGING READINGS neridan Oil

Page 96 of 159

CPS 1: 871-W WELL NAME: HORDIE A BR LOCATION: K24-29-8 DATE: 8-28-90

TOTAL AMPS: TOTAL VOLIS: 72.4

8 8 OIIMS RESISTANCE:

-1.40.

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15			195	120		375	,50		555			3	456	1.2	2.6	
20			200	,40		380	140		<u>560</u>		·	4	445	1.2	2.2	
25			205_	140		385	,50		565			5	435	90	2.0	
30			210	160	·		160		570			6	428	180	2.1	
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45			225	160		405	170		585			Ī	307	1.2	2.4.	
50			230	.60		410	20	´	590			10	300	1.1	2.3	
55			235	,50		415	1.0		595			<u>11</u>	240	120	1.7	
60			240	180	4	420	.90	8	600			12	215	1.0	2.0	_
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5014

30-045-21766 DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS NORTHWESTERN NEW MEXICO (Submit 3 copies to OCD Aztec Office)

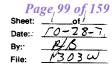
Operator <u>MERIDIAN OIL</u>	Location: Unit <u>NW</u> Sec. 24 Twp 29 Rng 8
Name of Well/Wells or Pipeline Serv:	
	cps 1303w
Elevation_6706'Completion Date_10/28/7	78 Total Depth 380' Land Type* N/A
Casing, Sizes, Types & Depths	N/A
	· · · · · · · · · · · · · · · · · · ·
If Casing is cemented, show amounts	& types used N/A
If Cement or Bentonite Plugs have be	een placed, show depths & amounts used
N/A	
Depths & thickness of water zones with	ith description of water when possible:
Fresh, Clear, Salty, Sulphur, Etc	
Depths gas encountered: N/A	
Type & amount of coke breeze used:	
Depths anodes placed: <u>345', 335', 325'</u> ,	315', 305', 295', 285', 275' <u>, 265</u> ', 245'
Depths vent pipes placed: 360'	
Vent pipe perforations: 200'	MAY 3 1 1991
Remarks: gb #1	
	Dic

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

Received by OCD: 11/6/2023 9:44:10 AM El Paso Natural Gas Company-Form 7-238 (Rev. 11-71) WELL, CASING CATHODIC PROTECTION CONSTRUCTION REPORT DAILY LOG 22 Completion Date 10-28-78 Drilling Log (Attach Hereto). CPS No. Well Name Location 2: A Har N W. 7 1303 Type & Size Bit Used Work Order No CONTRACT 7050 Lost Circulation Mat'l Used Total Lbs. Coke Used Anode Hole Depth Total Drilling Rig Time No. Sacks Mud Used GA95 Anode Depth # 3 325 # 4 315 # 5 305 # 6 295 # 8 2 # 10 245 # 7 285 45 # 2 # 4.9 # 5 4 . 0 # 6 3 . 8 4:1# 8 7 #[.] 3 #-7---#`9 # 2 Anode Depth #11 # 12 # 13 # 15 # 16 # 17 # 18 # 19 # 14 Anode Output (Amps) is T # 20 # 19 * # 12 # 17 # 11 # 13 # 14 # 15 # 16 # 18 +-Total Circuit Resistance No. 8 C.P. Cable Used No. 2 C.P. Cable Used Volts Amps Ohms Remarks: STATIC % LOO'W = .86 FT WATER AT 185 APPROX 12 6P.M. WETAT 88 Air Logged 373 INSTALLED 360 DRilled 380 with URRIED 34 BAGS OF VENT Pipe PERFORATED 200 OF coke Hole depth=-127 2×2×48" Graphite And 40016A Rect CAble + ditch = 235' STU B Pole All Construction Completed CXTRA CABLE=145' (Signature AYOUT SKETCH N 10 DISTRIBUTION: WHITE - Division Corrosion Office YELLOW - Area Corrosion Office - Originator File PINK

El Paso Natural Gas Company

ر. ار.



- 1	1303W	NW 24-24	7 - 8	File	e: <u></u>
	HARDIE A	=2A	57050.21	ST 600'W= .80	o u=ok
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		·····			1. 1000 F
		· · · · · · · · · · · · · · · · · · ·	······································	Wet AT 88 FT W	ATER
;		, , , , , , , , , , , , , , , , , , ,		A+185' WATER= 12	ZGPM
	1	4 		Drilled 380'with A	R Logged
MW gals/mol 16.04 C1 6.4	18 0			373	
30.07 C2 10.12	Lile	and a second	anin asara da ana ana ana ana ana ana ana ana ana	INSTALLED 360 OF	Vent Pipe
58.12 IC4 12.38	190 2.3	390		PERFORATE & 200'	
58.12 nC4 11.93 72.15 iC5 13.85	2.6	400		SLURRIED 34 BAg.	50FLORE
72.15 nC5 13.71 86.18 iC6 15.50	2.05	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
86.18 C6 15.57 100.21 iC7 17.2	210:20	• • • • • • • • •	47)		
100.21 C7 17.46		an sharan an a	n namen till til skale som skale br>S 3	ang (nyanangan ang ang ang ang ang ang ang ang	an an a' Charles a Charles an
<u>114.23 C8 19.39</u> 28.05 C2 ² 9 64	220 2.1				· · · · · · · · · · · · · · · · · · ·
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	2.2.	ทศกัณฑ์สาว-พร่าง 1 สามพระวิวายายารสม ไปเรื่องเวลาไหน และสม กินักส่งเวลาไหนด์ดีสม 1	ייין אואראניזי אואראליגעיג איאראיראלינא אברידעראליא איזירטילארא	ייין איז	1110-77233-437-77534-787-25776767-7.
	240 2.4			Holedepth = -127	
	2.3-0			Ditch+cable= 235	
	1.9		·	CXTRACABLE=1451 40016ARet	18_154
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	2.5-0	08/07-02229-3277793-007-032-099-677-0222-2222-2222-2223-329-529-529-529-529-529-529-529-529-529-5	nit falsentist of internation in the main strategy of the same tension	2×2×48 graphite	Stream and the second second
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28.01 CO 4.19 44.01 CO2 6.38	300 2.5	· · · · · · · · · · · · · · · · · · ·		(j) 325-2.8-4.4	
64.06 SO2 5.50 34.08 H2S 517	2.6 - 6		· · · · · · · · · · · · · · · · · · ·	(m) 315-3.0- 4.9	
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EL. PASO NATURAL GAS COMPANY SAN JUAN DIVISION a FARMINGTON, NEW MEXICO PRODUCTION DEPARTMENT WATER ANALYSIS

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* 1	Analysis No. <u>1-9417</u>	Date_	12-12-78		
	Operator	Well_Name_	HARDIE A #2A	1303 W	
	Location_NW24-29-8 Cou	nty	State	NM	n <u>'</u>
	Field	Formation			·. ·
	Sampled From 1303W				۰ پوچ ، ۳
	Date Sampled	By		,	*
	Tbg. Press. Csg. Pres Ppm epm	\$S•	Surface Ca	epm	
	Sodium 242 11	•	Chloride 16	.5	•
	Calcium 176 9	-	Bicarbonate 239	4	æ
	Nagnesium 22 2		Sulfate 825	17	
4	Iron PRESENT	-	Carbonate 0	0	and the second sec
	H2SABSENT		Hydroxide0	0	
	cc: D.C.Adams		Total Solids Dissol	lved_1386	1.
	R.A.Ullrich E.R.Paulek		рН 7.6		٠٠ •
	J.W.McCarthy A.M.Smith		Sp. Gr. 1.0025	at60 ⁰ F	•
• •	W.B.Shropshire File		Resistivity 560 of	hm-cm at 75 °F	•
·	57050.21		Bacneft Chemi	Ellsburg	د. مربع د مار دار
	25 20 15 10 20 Na <u>1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1</u>	5 0	5 10 15	20 25 c1	10
	Ca			HCO	
,	Mg	X		50 <u>%</u>	
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EL PASO NATURAL GAS COMPANY

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DRILLING DEPARTMENT

LEASE	13	303	MORNING	WELL NO.	1203	2 WCON		~ 01	<u>Snia</u>	AYLIGH	relling	RIG NO.		REPO	ORT NO			et 18	4	19 92
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DATA S		ND_BED CATHODIC PF TERN NEW MEXICO s to OCD Aztec Off	
Operator <u>MERIDI</u>	AN OIL INC.	Location: Unit	<u>F</u> _Sec. <u>24</u> Twp <u>29</u> Rng ⁸
Name of Well/We	ells or Pipeline Se	rviced HARDIE A CO	M #210
			cps 2118w
Elevation 6610'C	Completion Date 4/18	^{3/89} Total Depth	300' Land Type* N/A
	Types & Depths		4 L
		A <u>I</u> A	
If Casing is ce	emented, show amoun	ts & types used	N/A
If Cement or Be	ntonite Plugs have	been placed, show	depths & amounts used
	ess of water zones	with description	of water when possible:
	alty, Sulphur, Etc	_	
			<u></u>
Depths gas enco	untered: N/A		
	f coke breeze used	1.	
	laced: 250', 240', 23		90', 130 120', 105'
Depths vent pip	60 F		
Vent pipe perfo			10AL
Remarks: (gb #1		UN MAYS	DN. DIV.
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If any of the above data is unavailable, please indicate so. Copies of all logs, including Drillers Log, Water Analyses & Well Bore Schematics should be submitted when available. Unplugged abandoned wells are to be included.

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WELL CASING . CATHOL._ PROTECTION CONSTRUCTION REPORT DAILY LOG

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Drilling Log (Attach He		-	-		Completion Date 4-18-67										
ers /	Well Name, Line or Pla	nt:		Work (Order #			Static:		Ins. Uni	on Check	¥			
2118-0	2118-w HACDIE A com #210							600' 5	ε·.944		Good	🗋 Bad 📑			
Location: F 2 4 - 29 -	Anode Size:	< 60 ["]	Anode Type:	riron			Size Bi	63/4							
Depth Drilled	Depth Logged	Dri	lling Rig Time		_	s. Goke Used		Lost Circulation		No. Sacks Mud Used					
Anode Depth # 1 250 # 2 6			22 m' '*	5 7 1 6			1	190'	130		20 [′]	110 1025			
Anode Output (Amps)						1	i i			1					
# 1 5, # 2 Anode Depth	42 #34	<u>·.)</u> #4	<u>+</u> / *	5 5.4	<u>í '</u> #	16 3 /	# 7	5.6		# 9	C.T	6.7 01 #			
# 11 # 12 Anode Output (Amps)	# 13	# 14	#	15		¥ 16	i# 1	7	# 18	# 19		# 20			
# 11	1 # 13	¦≉ 14	 #	15	1	# 16	1 # 1	7	a 18	i # 19		# 20			
Total Circuit Resista Volts 1242					N	No. 8 C.P. Cat			<u></u>		C.P. Cab	le Used			
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Remarks: <u>DR</u> <u>AT 90'-</u>	ILLED	300	LOG	GED	3	00.		RILL	ER SA	101	JAT	ER			
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DANCH CrASS DRILLING CO. 2 Drill No. 3 **DRILLER'S WELL LOG** S. P. No Hardie A Com #210 Date - 4- 18-89 Client Meridian Oil Co. Prospect SAN JUAN State New Mex. County____ If hole is a redrill or if moved from original staked position show distance and direction moved: . FORMATION - COLOR - HARDNESS FROM TO 80 SANA 0 6 80 00 5 SANC 100 150 Shalc SANdy ShA/c 50 160 Shale 160 170 = 180 5 70 ONE 250 Sk 80 SANdu Shal 265 14. 250 300 SANdSTONE 265 Mud. Bron Lime Rock Bit Number Make Remarks: Water @ 90.1 ONNIe-Driller

age 104 o

Received by OCD: 11/6/2023 9:44:10 AM

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4580

30-045-08202

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

Operator	TENNECO	Location:	Unit_SW_Sec.13	twp 29 Rng_
Name of	Well/Wells or Pipeline Servi	ced	VANDERWART A #	3
				cps_75w
Elevatio	on_ <u>6981</u> Completion Date <u>4/30/74</u>	Total Dep	oth <u>620'</u> Land	Type* <u>N/A</u>
Casing,	Sizes, Types & Depths	N/A		
If Casin	g is cemented, show amounts	& types use	ed <u>N/A</u>	
If Cemer	it or Bentonite Plugs have be	en placed,	show depths & a	amounts use
<u></u>	N/A			
Depths &	thickness of water zones wi	th descript	ion of water w	nen possibl
Fresh, C	lear, Salty, Sulphur, Etc	380.'	DECEIV	<u>EM</u>
			MAY3 <u>1</u> 1991	U
Depths g	as encountered: <u>N/A</u>	<u></u>		
	mount of coke breeze used:			
Depths a	nodes placed: <u>530', 520', 510'</u>	<u>, 500', 490'</u> ,	480', 470', 460',	450', 440'
Depths v	ent pipes placed: <u>N/A</u>			
Vent pip	e perforations: 300'		·	
Remarks:		l weil.		

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

Received by OCD: 11/6/2023 9:44:10 AM Page 106 of 159 El Paso Natural Gas Company Form 7-238 (Rev. 1-69) WELL CASING CATHODIC PROTECTION CONSTRUCTION REPOR DAILY LOG 30/ Completion Date Drilling Log (Attach Hereto). Well Name CPS No. Location SW 13-29N -861 lander wart AF3 Work Order No. Type & Size Bit Used 6 ¥4 184 - 52261.19-50+2 Anode Hole Depth. Total Lbs. Coke Used Lost Circulation Mat'l Used No. Sacks Mud Total Drilling Rig Time 620 10,700 EST Anode Depth 520 # 3 510 # 4 500 # 5 490 # 6 480 # 7 470 = 8 460 = 9 450 # 10 440 Anode Output (Amps #3 3.1 #4 3.2 #5 3.2 #6 3.0 #7 2.7 =8 3.5 =9 3.4 # 10 3.8 # 2 3.6 3.6 Anode Depth # 19 # 20 # 16 # 17 # 18 # 11 # 13 # 14 # 15 Anode Output (Amps) # 20 # 12 # 13 # 15 #16 # 17 # 18 # 19 # 11 No. 8 C.P. Cable Used No. 2 C.P. Cable Used Total Circuit Resistance 11.0 Amps 10.0 Ohms 1.10 Volts 100 Remarks: Oriller Said Water @ 380' Hole caved Moved Vig Back Orilled TO 620' Loaded Hole Vent Hese Perforated 300' Vinelles Hale 4/25/74 - anoder Cups So Caula mot user Hale Cured, Caulo mat 920 Until 4/30/14 - dulled to 620 to All Construction Completed Allow Lors Kainen lerrek Parles GROUND BED LAYOUT SKETCH 3409,00 (dBed #1 412.50 Depth 38.00 Intel 90 Q (d be. 1 #) 3859.50 154,38 Ta 40<3.88

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Received by OCD: 11/6/2023 9:44:10 AM

STORM WATER WELL DRILLING INC.

DIAMOND CORE DRILLING DIAMOND DRILLING EQUIPMENT GROUTING FOUNDATION TESTING MINING QUARRYING SHAFT SINKING WATER WELL DRILLING CONTRACTORS 14991 W. 44TH AVENUE GOLDEN, COLORADO 80401 PHONE (303) 278-9505 GENERAL OFFICE 14991 W. 44TH AVENUE Bailey, office Call 1-838-4821

Date 4-25-74

County ___

G.D. ISW Drill ____

Owner _

Location R.m. vats City

State N.MEx

From	То	Formation	Color	Hardness
		Ho/2. #	15W	
Ø	4	SURFACE.	Sand	
4	90	SANdstone	s Be	M. Soft
90	175	ShAKE	Bluff.	Mr. HARd
175	250	SANDSTONE	TRE.M	HARd
250	263	SANd	BR.	Solt
- 263	315	ShA.E.	BLIE	Mr. HARC
315	380	Spridstone	Be	M. HAR
380	560	Shale.	B/ME + RE	d STREAKS
				M. HARd
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		WATER Z	onis At	250 + 380
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Total Hours	C.P.S. Time
Equipment Down Time	S.W.W.D.I. Time
Hours Drilling	Total Footage
Driller	Approval of
Helper	C.P.S. Engineer
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Rec	eived by OCD: 11/6/2023	3 9:44:10 AM		······································	Page 109 of 159
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	DIAMOND CORE DRILLING DIAMOND DRILLING EQUIP GROUTING FOUNDATION TESTING MINING QUARRYING	MENT	CONTRACTORS 14991 W. 44TH AVENU GOLDEN, COLORADO 80 PHONE (303) 278-950	JE 0401pm=1:5:5:5:5:5:5:5:5:5:5:5:5:5:5:5:5:5:5:5	GENERAL OFFICE 14991 W. 141H AVENUE BAILEY, OFFICE CALL 1-838-4821
	SHAFT SINKING WATER WELL DRILLING Drill	ΓĽW		Date _	4-30-74
	Owner $\underline{\mathcal{O}P}$	5			
	City	mington	State N,	ME, Cour	nty
	From	То	Formation	Color	Hardness
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Total Footage	
Approval of	

Approval of	
C.P.S. Engineer	



APPENDIX C

Executed C-138 Solid Waste Acceptance Form

RDistrict I by OCD: 11/6/2023 9:44:10 AM 1625 N. French Dr., Hobbs, NM 88240 <u>District II</u> 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

Page 111 of 159 Form C-138 Revised 08/01/11

*Surface Waste Management Facility Operator and Generator shall maintain and make this documentation available for Division inspection. 97057-1125

REQUEST FOR APPROVAL TO ACCEPT	Г SOLID WASTE
1. Generator Name and Address: Enterprise Field Services, LLC, 614 Reilly Ave, Farmington NM 87401	PayKey:RB21200 PM: Maron O'Brien AFE: N66844
2. Originating Site: SJ 297 #94A	
3. Location of Material (Street Address, City, State or ULSTR): UL F Section 19 T29N R7W; 36.712269, -107.616695	July/Angust 2023
 Source and Description of Waste: Source: Remediation activities associated with a natural gas pipeline leak. Description: Hydrocarbon/Condensate impacted soil associated natural gas pipeline releas Estimated Volume 10 yd³ / bbls Known Volume (to be entered by the operator at the 	se.
5. GENERATOR CERTIFICATION STATEMENT OF V I, Thomas Long Theme Long , representative or authorized agent for Enterprise Products Open Generator Signature certify that according to the Resource Conservation and Recovery Act (RCRA) and the US regulatory determination, the above described waste is: (Check the appropriate classification)	rating do hereby S Environmental Protection Agency's July 1988
■ RCRA Exempt: Oil field wastes generated from oil and gas exploration and prod exempt waste. <i>Operator Use Only: Waste Acceptance Frequency</i> □ <i>Monthly</i>	
RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed haza subpart D, as amended. The following documentation is attached to demonstrate the a the appropriate items)	ardous 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 STAT	
I, Thomas Long 7-24-2023, representative for Enterprise Products Operating a Generator Signature the required testing/sign the Generator Waste Testing Certification.	uthorizes Envirotech, Inc. to complete
I, <u>Greg Crabbran</u> , representative for <u>Envirotech, Inc.</u> representative samples of the oil field waste have been subjected to the paint filter test and have been found to conform to the specific requirements applicable to landfarms pursuant of the representative samples are attached to demonstrate the above-described waste confor 19.15.36 NMAC.	to Section 15 of 19.15.36 NMAC. The results
5. Transporter: Riley Industrial/ Enterprise and Subcontractors	
OCD Permitted Surface Waste Management Facility	
Name and Facility Permit #: Envirotech Inc. Soil Remediation Facility * Permit #: Address of Facility: Hilltop, NM Method of Treatment and/or Disposal: Evaporation Injection Treating Plant Z Landfarm	NM 01-0011 Landfill Other
Waste Acceptance Status:	ED (Must Be Maintained As Permanent Record)
PRINT NAME: Grag Cra block Title: Enviro M SIGNATURE: The Charter TELEPHONE NO.:	14nagen DATE: 7/24/23 15-632-0615



APPENDIX D

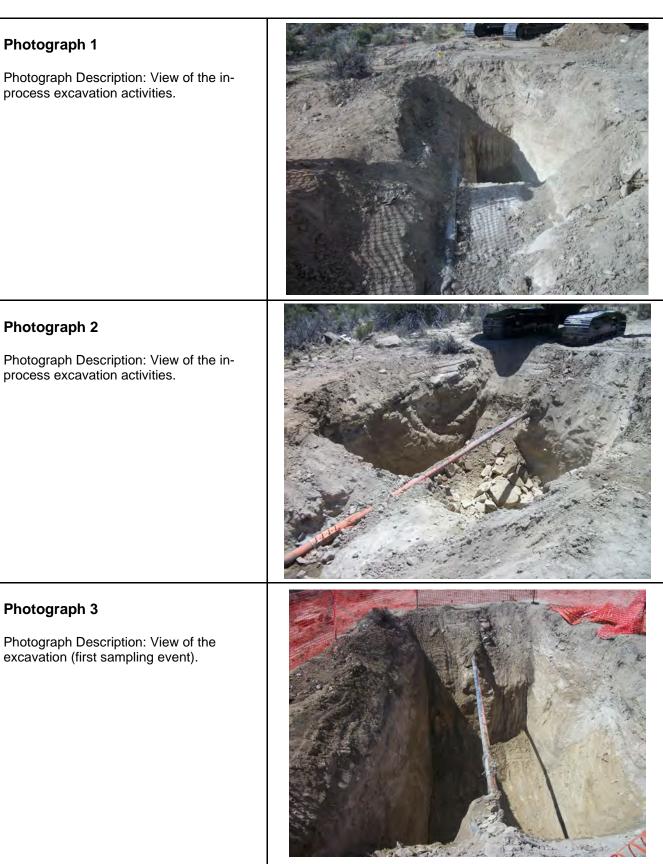
Photographic Documentation

Released to Imaging: 1/3/2024 11:14:35 AM

SITE PHOTOGRAPHS

Closure Report Enterprise Field Services, LLC San Juan 27-9 #94A (07/26/23) Ensolum Project No. 05A1226254





Closure Report Enterprise Field Services, LLC San Juan 27-9 #94A (07/26/23) Ensolum Project No. 05A1226254



Photograph 4

Photograph Description: View of the excavation (second sampling event).





APPENDIX E

Regulatory Correspondence

Released to Imaging: 1/3/2024 11:14:35 AM

From:	Kyle Summers
То:	Ranee Deechilly; Landon Daniell; Chad D"Aponti
Subject:	FW: [EXTERNAL] SJ 27-9 #94A - UL F Section 19 T29N R7W; 36.712269, -107.616695; NMOCD Incident # nAPP2320734440
Date:	Thursday, July 27, 2023 10:35:13 AM
Attachments:	Outlook-rsokrncd.png image003.png image004.png image005.png

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L	

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

From: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Sent: Thursday, July 27, 2023 9:24 AM
To: Long, Thomas <tjlong@eprod.com>; 'aadeloye@blm.gov' <aadeloye@blm.gov>
Cc: Stone, Brian <bmstone@eprod.com>; Kyle Summers <ksummers@ensolum.com>
Subject: Re: [EXTERNAL] SJ 27-9 #94A - UL F Section 19 T29N R7W; 36.712269, -107.616695; NMOCD Incident # nAPP2320734440

[**EXTERNAL EMAIL**]

Tom,

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

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

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

Regards,

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



From: Long, Thomas <tilong@eprod.com>
Sent: Thursday, July 27, 2023 9:07 AM
To: Velez, Nelson, EMNRD <<u>Nelson.Velez@emnrd.nm.gov</u>>; 'aadeloye@blm.gov'
<aadeloye@blm.gov>
Cc: Stone, Brian <<u>bmstone@eprod.com</u>>; Kyle Summers <<u>ksummers@ensolum.com</u>>
Subject: [EXTERNAL] SJ 27-9 #94A - UL F Section 19 T29N R7W; 36.712269, -107.616695; NMOCD
Incident # nAPP2320734440

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

Nelson/Emanuel,

This email is a notification and a variance request. Enterprise is requesting a variance for required 48 hour notification per 19.15.29.12D (1a) NMAC. Enterprise would like to collect soil samples for laboratory analysis tomorrow July 28, 2023 at 10:00 a.m. at the SJ 27-9 #94A excavation. Please acknowledge acceptance of this variance request. If you have any questions, please call or email.

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



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

From: To:	Kyle Summers Ranee Deechilly
10.	Kance Decenny
Subject:	FW: [EXTERNAL] SJ 29-7 #94A - UL F Section 19 T29N R7W; 36.712269, -107.616695; NMOCD Incident # nAPP2320734440
Date:	Tuesday, August 1, 2023 10:54:58 AM
Attachments:	image002.png image003.png image004.png

P	

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

From: Kyle Summers
Sent: Tuesday, August 1, 2023 10:52 AM
To: 'Adeloye, Abiodun A' <aadeloye@blm.gov>; Velez, Nelson, EMNRD
<Nelson.Velez@emnrd.nm.gov>
Cc: 'Stone, Brian' <bmstone@eprod.com>; 'Thomas Long' <tjlong@eprod.com>
Subject: RE: [EXTERNAL] SJ 29-7 #94A - UL F Section 19 T29N R7W; 36.712269, -107.616695;
NMOCD Incident # nAPP2320734440

Just a quick note to correct the site name. I believe it is the SJ-29-7 #94A rather than the SJ 27-9 #94A. I have corrected it in the subject header. Plus, I apparently deleted Mr. Long from the cc list. He is now added back. Thanks gentlemen.

-
and the second se

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

From: Adeloye, Abiodun A <<u>aadeloye@blm.gov</u>>
Sent: Tuesday, August 1, 2023 10:46 AM
To: Kyle Summers <<u>ksummers@ensolum.com</u>>; Velez, Nelson, EMNRD
<<u>Nelson.Velez@emnrd.nm.gov</u>>
Cc: 'Stone, Brian' <<u>bmstone@eprod.com</u>>
Subject: RE: [EXTERNAL] SJ 27-9 #94A - UL F Section 19 T29N R7W; 36.712269, -107.616695;
NMOCD Incident # nAPP2320734440

[**EXTERNAL EMAIL**]

Hi, Kyle, BLM FFO approves the requested variance. Please proceed with the sampling if the BLM representative is not present at the time of the sampling. Thank you.

Abiodun Adeloye (Emmanuel) Natural Resources Specialist (NRS) 6251 College Blvd., Suite A Farmington, NM 87402 Office: 505-564-7665 Mobile: 505-635-0984

From: Kyle Summers <<u>ksummers@ensolum.com</u>>
Sent: Tuesday, August 1, 2023 10:18 AM
To: Velez, Nelson, EMNRD <<u>Nelson.Velez@emnrd.nm.gov</u>>; Adeloye, Abiodun A
<<u>aadeloye@blm.gov</u>>
Cc: 'Stone, Brian' <<u>bmstone@eprod.com</u>>
Subject: [EXTERNAL] SJ 27-9 #94A - UL F Section 19 T29N R7W; 36.712269, -107.616695; NMOCD
Incident # nAPP2320734440

This email has been received from outside of DOI - Use caution before clicking on links, opening attachments, or responding.

Nelson/Emanuel,

On behalf of Thomas Long (Enterprise), this email is a notification and a variance request. Enterprise is requesting a variance for the required 48 hour notification per 19.15.29.12D (1a) NMAC. Enterprise would like to collect soil samples for laboratory analysis tomorrow August 2, 2023 at 10:00 a.m. at the SJ 27-9 #94A excavation. Please acknowledge acceptance of this variance request. If you have any questions, please call or email.



Kyle Summers Principal 903-821-5603 Ensolum, LLC



APPENDIX F

Table 1 – Soil Analytical Summary

Released to Imaging: 1/3/2024 11:14:35 AM

ENSOLUM

								-E 1 #94A (07/26/23) CAL 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	Total Combined TPH	Chloride
		C- Composite G - Grab	(feet)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(GRO/DRO) ¹ (mg/kg)	(GRO/DRO/MRO) ¹ (mg/kg)	(mg/kg)
	Depa onservation Div	neral & Natural F artment vision Closure C and Tier II)		10	NE	NE	NE	50	NE	NE	NE	Tier II - 1,000	Tier I (<4 feet) - 100 Tier II - 2,500	Tier I (<4 feet) - 600 Tier II - 10,000
-				Composite	e Soil Samples	Removed by Ex	cavation and	Transported to t	the Landfarm fo	or Disposal/Rei	nediation		-	
S-2	07.28.23	С	0 to 4	0.82	27	13	66	110	1,600	1,600	<480	N/A	3,200	<60
S-3	07.28.23	С	4 to 14	0.68	28	14	71	110	1,900	1,500	<500	3,400	3,400	<60
S-4	07.28.23	С	0 to 4	0.20	11	4.9	39	55	710	290	<50	N/A	1,000	<59
S-8	07.28.23	С	0 to 4	<0.090	0.48	0.82	6.7	8.0	130	95	<46	N/A	230	<60
	T					Exc	avation Comp	osite Soil Sampl		T	T	1	1	
S-1	07.28.23	С	14	0.22	8.9	3.9	30	43	600	130	<46	730	730	<60
S-4a	08.02.23	С	0 to 4	<0.019	<0.038	<0.038	<0.076	ND	5.2	20	<47	N/A	25	<59
S-5	07.28.23	С	4 to 14	0.13	8.6	4.3	33	46	620	230	<46	850	850	<60
S-6	07.28.23	С	0 to 4	<0.018	<0.037	<0.037	<0.074	ND	<3.7	11	<48	N/A	11	<60
S-7	07.28.23	С	4 to 14	<0.021	<0.041	<0.041	<0.082	ND	<4.1	<9.5	<47	ND	ND	<59
S-8a	08.02.23	С	0 to 4	<0.019	<0.038	<0.038	<0.076	ND	5.5	35	<49	N/A	41	<60
S-9	07.28.23	С	4 to 14	<0.091	0.49	0.96	7.2	8.7	170	81	<49	250	250	<60
S-10	08.02.23	С	14	<0.11	1.7	1.4	13	16	180	110	<49	290	290	<60
S-11	08.02.23	С	0 to 4	<0.020	<0.040	<0.040	<0.081	ND	<4.0	21	<49	N/A	21	<60
S-12	08.02.23	С	4 to 14	<0.018	<0.037	<0.037	<0.073	ND	4.6	22	<47	27	27	<60
S-13	08.02.23	С	0 to 4	<0.021	<0.042	<0.042	<0.083	ND	4.3	24	<47	N/A	28	<60
S-14	08.02.23	С	4 to 14	<0.018	<0.036	<0.036	<0.072	ND	5.2	38	<50	43	43	<60
S-15	08.02.23	С	0 to 4	<0.021	<0.041	<0.041	<0.083	ND	7.4	37	<46	N/A	44	<60
S-16	08.02.23	С	4 to 14	<0.019	<0.038	<0.038	<0.075	ND	4.7	44	<50	49	49	<60

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

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

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

N/A = Not Applicable

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



APPENDIX G

Laboratory Data Sheets & Chain of Custody Documentation

Released to Imaging: 1/3/2024 11:14:35 AM



August 04, 2023

Kyle Summers ENSOLUM 606 S. Rio Grande Suite A Aztec, NM 87410 TEL: (903) 821-5603 FAX: Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

RE: SJ 27 9 94 A

OrderNo.: 2307E44

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 9 sample(s) on 7/29/2023 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 don't hesitate to contact HEAL for any additional information or clarifications.

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.
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Lab Order 2307E44

Date Reported: 8/4/2023

CLIENT: ENSOLUM		Cl	ient S	ample II	D: S-	1	
Project: SJ 27 9 94 A	Collection Date: 7/28/2023 10:00:00 AM						
Lab ID: 2307E44-001	Matrix: SOIL		Recei	ived Dat	e: 7/2	29/2023 7:05:00 AM	
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analys	SNS
Chloride	ND	60		mg/Kg	20	7/31/2023 11:15:17 AM	76564
EPA METHOD 8015M/D: DIESEL RAI	NGE ORGANICS					Analys	: DGH
Diesel Range Organics (DRO)	130	9.2		mg/Kg	1	7/29/2023 12:31:01 PM	76555
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	7/29/2023 12:31:01 PM	76555
Surr: DNOP	99.0	69-147		%Rec	1	7/29/2023 12:31:01 PM	76555
EPA METHOD 8015D: GASOLINE RA	NGE					Analys	KMN
Gasoline Range Organics (GRO)	600	20		mg/Kg	5	7/31/2023 10:58:00 AM	R98600
Surr: BFB	261	15-244	S	%Rec	5	7/31/2023 10:58:00 AM	R98600
EPA METHOD 8021B: VOLATILES						Analys	: KMN
Benzene	0.22	0.099		mg/Kg	5	7/31/2023 10:58:00 AM	BS98600
Toluene	8.9	0.20		mg/Kg	5	7/31/2023 10:58:00 AM	BS98600
Ethylbenzene	3.9	0.20		mg/Kg	5	7/31/2023 10:58:00 AM	BS98600
Xylenes, Total	30	0.39		mg/Kg	5	7/31/2023 10:58:00 AM	BS98600
Surr: 4-Bromofluorobenzene	177	39.1-146	S	%Rec	5	7/31/2023 10:58:00 AM	BS98600

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н 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. S
- Analyte detected in the associated Method Blank В
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 1 of 13

Hall Environmental	Analysis	Laboratory,	Inc.

Lab Order 2307E44

Date Reported: 8/4/2023

CLIENT: ENSOLUM		Cl	ient Sa	ample I	D: S-2	2	
Project: SJ 27 9 94 A	Collection Date: 7/28/2023 10:05:00 AM						
Lab ID: 2307E44-002	Matrix: SOIL		Recei	ved Dat	e: 7/2	29/2023 7:05:00 AM	
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analys	t: SNS
Chloride	ND	60		mg/Kg	20	7/31/2023 11:27:42 AM	76564
EPA METHOD 8015M/D: DIESEL RAN	IGE ORGANICS					Analys	t: DGH
Diesel Range Organics (DRO)	1600	96		mg/Kg	10	7/31/2023 11:27:29 AM	76555
Motor Oil Range Organics (MRO)	ND	480		mg/Kg	10	7/31/2023 11:27:29 AM	76555
Surr: DNOP	0	69-147	S	%Rec	10	7/31/2023 11:27:29 AM	76555
EPA METHOD 8015D: GASOLINE RA	NGE					Analys	t: KMN
Gasoline Range Organics (GRO)	1600	21		mg/Kg	5	7/31/2023 11:20:00 AM	R98600
Surr: BFB	361	15-244	S	%Rec	5	7/31/2023 11:20:00 AM	R98600
EPA METHOD 8021B: VOLATILES						Analys	t: KMN
Benzene	0.82	0.10		mg/Kg	5	7/31/2023 11:20:00 AM	BS98600
Toluene	27	2.1		mg/Kg	50	7/31/2023 2:14:00 PM	BS98600
Ethylbenzene	13	0.21		mg/Kg	5	7/31/2023 11:20:00 AM	BS98600
Xylenes, Total	66	4.2		mg/Kg	50	7/31/2023 2:14:00 PM	BS98600
Surr: 4-Bromofluorobenzene	152	39.1-146	S	%Rec	5	7/31/2023 11:20:00 AM	BS98600

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н 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. S
- Analyte detected in the associated Method Blank В
- Е Above Quantitation Range/Estimated Value J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 2 of 13

Hall Environmental Analysis Laboratory, Inc	Hall	Environmen	ital Ana	lysis I	Laboratory	, Inc.
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Lab Order 2307E44

Date Reported: 8/4/2023

CLIENT: ENSOLUM		Cl	ient Sa	ample II	D: S-3	3	
Project: SJ 27 9 94 A	Collection Date: 7/28/2023 10:10:00 AM						
Lab ID: 2307E44-003	Matrix: SOIL		Recei	ved Dat	e: 7/2	29/2023 7:05:00 AM	
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analys	t: SNS
Chloride	ND	60		mg/Kg	20	7/31/2023 11:40:06 AM	76564
EPA METHOD 8015M/D: DIESEL RAM	IGE ORGANICS					Analys	t: DGH
Diesel Range Organics (DRO)	1500	100		mg/Kg	10	7/31/2023 11:38:02 AM	76555
Motor Oil Range Organics (MRO)	ND	500		mg/Kg	10	7/31/2023 11:38:02 AM	76555
Surr: DNOP	0	69-147	S	%Rec	10	7/31/2023 11:38:02 AM	76555
EPA METHOD 8015D: GASOLINE RA	NGE					Analys	t: KMN
Gasoline Range Organics (GRO)	1900	200		mg/Kg	50	7/31/2023 2:57:00 PM	R98600
Surr: BFB	204	15-244		%Rec	50	7/31/2023 2:57:00 PM	R98600
EPA METHOD 8021B: VOLATILES						Analys	t: KMN
Benzene	0.68	0.099		mg/Kg	5	7/31/2023 11:42:00 AM	BS98600
Toluene	28	2.0		mg/Kg	50	7/31/2023 2:57:00 PM	BS98600
Ethylbenzene	14	0.20		mg/Kg	5	7/31/2023 11:42:00 AM	BS98600
Xylenes, Total	71	4.0		mg/Kg	50	7/31/2023 2:57:00 PM	BS98600
Surr: 4-Bromofluorobenzene	161	39.1-146	S	%Rec	5	7/31/2023 11:42:00 AM	BS98600

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н 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. S
- Analyte detected in the associated Method Blank В
- Е Above Quantitation Range/Estimated Value J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2307E44

Date Reported: 8/4/2023

CLIENT: ENSOLUM Project: SJ 27 9 94 A				ample II		4 28/2023 10:15:00 AM	
Project: SJ 27 9 94 A Lab ID: 2307E44-004	Matrix: SOIL	,				29/2023 7:05:00 AM	
Analyses	Result	RL	Qua	l Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	SNS
Chloride	ND	59		mg/Kg	20	7/31/2023 11:52:31 AM	76564
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANICS					Analyst	DGH
Diesel Range Organics (DRO)	290	9.9		mg/Kg	1	7/29/2023 1:03:13 PM	76555
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/29/2023 1:03:13 PM	76555
Surr: DNOP	98.8	69-147		%Rec	1	7/29/2023 1:03:13 PM	76555
EPA METHOD 8015D: GASOLINE RAI	NGE					Analyst	KMN
Gasoline Range Organics (GRO)	710	20		mg/Kg	5	7/31/2023 12:03:00 PM	R98600
Surr: BFB	323	15-244	S	%Rec	5	7/31/2023 12:03:00 PM	R98600
EPA METHOD 8021B: VOLATILES						Analyst	KMN
Benzene	0.20	0.098		mg/Kg	5	7/31/2023 12:03:00 PM	BS98600
Toluene	11	0.20		mg/Kg	5	7/31/2023 12:03:00 PM	BS98600
Ethylbenzene	4.9	0.20		mg/Kg	5	7/31/2023 12:03:00 PM	BS9860
Xylenes, Total	39	0.39		mg/Kg	5	7/31/2023 12:03:00 PM	BS98600
Surr: 4-Bromofluorobenzene	133	39.1-146		%Rec	5	7/31/2023 12:03:00 PM	BS9860

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н 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. S
- В Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2307E44

Date Reported: 8/4/2023

CLIENT: ENSOLUM	Client Sample ID: S-5						
Project: SJ 27 9 94 A	Collection Date: 7/28/2023 10:20:00 AM						
Lab ID: 2307E44-005	Matrix: SOIL		Rece	ived Dat	e: 7/2	29/2023 7:05:00 AM	
Analyses	Result	RL	Qua	l Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	SNS
Chloride	ND	60		mg/Kg	20	7/31/2023 12:04:56 PM	76564
EPA METHOD 8015M/D: DIESEL RAM	IGE ORGANICS					Analyst	: DGH
Diesel Range Organics (DRO)	230	9.1		mg/Kg	1	7/29/2023 1:13:58 PM	76555
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	7/29/2023 1:13:58 PM	76555
Surr: DNOP	95.8	69-147		%Rec	1	7/29/2023 1:13:58 PM	76555
EPA METHOD 8015D: GASOLINE RA	NGE					Analyst	KMN
Gasoline Range Organics (GRO)	620	26		mg/Kg	5	7/31/2023 12:25:00 PM	R98600
Surr: BFB	284	15-244	S	%Rec	5	7/31/2023 12:25:00 PM	R98600
EPA METHOD 8021B: VOLATILES						Analyst	KMN
Benzene	0.13	0.10		mg/Kg	5	7/31/2023 12:25:00 PM	BS98600
Toluene	8.6	0.26		mg/Kg	5	7/31/2023 12:25:00 PM	BS98600
Ethylbenzene	4.3	0.26		mg/Kg	5	7/31/2023 12:25:00 PM	BS98600
Xylenes, Total	33	0.52		mg/Kg	5	7/31/2023 12:25:00 PM	BS98600
Surr: 4-Bromofluorobenzene	180	39.1-146	S	%Rec	5	7/31/2023 12:25:00 PM	BS98600

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н 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.
- В Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits Sample pH Not In Range
- Р RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2307E44

Date Reported: 8/4/2023

CLIENT: ENSOLUM	Client Sample ID: S-6						
Project: SJ 27 9 94 A	Collection Date: 7/28/2023 10:25:00 AM						
Lab ID: 2307E44-006	Matrix: SOIL		Received Dat	e: 7/2	29/2023 7:05:00 AM		
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst	SNS	
Chloride	ND	60	mg/Kg	20	7/31/2023 12:17:20 PM	76564	
EPA METHOD 8015M/D: DIESEL RAN	IGE ORGANICS				Analyst	DGH	
Diesel Range Organics (DRO)	11	9.6	mg/Kg	1	7/29/2023 1:24:43 PM	76555	
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	7/29/2023 1:24:43 PM	76555	
Surr: DNOP	125	69-147	%Rec	1	7/29/2023 1:24:43 PM	76555	
EPA METHOD 8015D: GASOLINE RA	NGE				Analyst	KMN	
Gasoline Range Organics (GRO)	ND	3.7	mg/Kg	1	7/31/2023 12:47:00 PM	R98600	
Surr: BFB	89.5	15-244	%Rec	1	7/31/2023 12:47:00 PM	R98600	
EPA METHOD 8021B: VOLATILES					Analyst	KMN	
Benzene	ND	0.018	mg/Kg	1	7/31/2023 12:47:00 PM	BS98600	
Toluene	ND	0.037	mg/Kg	1	7/31/2023 12:47:00 PM	BS9860	
Ethylbenzene	ND	0.037	mg/Kg	1	7/31/2023 12:47:00 PM	BS9860	
Xylenes, Total	ND	0.074	mg/Kg	1	7/31/2023 12:47:00 PM	BS98600	
Surr: 4-Bromofluorobenzene	77.8	39.1-146	%Rec	1	7/31/2023 12:47:00 PM	BS9860	

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н 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. S
- В Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental	Analysis	Laboratory.	Inc.

Lab Order 2307E44

Date Reported: 8/4/2023

CLIENT: ENSOLUM		Clie	ent Sample II	D: S-7	7	
Project: SJ 27 9 94 A		C	ollection Dat	e: 7/2	8/2023 10:30:00 AM	
Lab ID: 2307E44-007	Matrix: SOIL	ŀ	Received Dat	e: 7/2	9/2023 7:05:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	SNS
Chloride	ND	59	mg/Kg	20	7/31/2023 12:29:45 PM	76564
EPA METHOD 8015M/D: DIESEL RAM	NGE ORGANICS				Analyst	DGH
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	7/29/2023 1:35:29 PM	76555
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	7/29/2023 1:35:29 PM	76555
Surr: DNOP	98.2	69-147	%Rec	1	7/29/2023 1:35:29 PM	76555
EPA METHOD 8015D: GASOLINE RA	NGE				Analyst	KMN
Gasoline Range Organics (GRO)	ND	4.1	mg/Kg	1	7/31/2023 1:08:00 PM	R98600
Surr: BFB	82.6	15-244	%Rec	1	7/31/2023 1:08:00 PM	R98600
EPA METHOD 8021B: VOLATILES					Analyst	KMN
Benzene	ND	0.021	mg/Kg	1	7/31/2023 1:08:00 PM	BS98600
Toluene	ND	0.041	mg/Kg	1	7/31/2023 1:08:00 PM	BS98600
Ethylbenzene	ND	0.041	mg/Kg	1	7/31/2023 1:08:00 PM	BS98600
Xylenes, Total	ND	0.082	mg/Kg	1	7/31/2023 1:08:00 PM	BS98600
Surr: 4-Bromofluorobenzene	77.2	39.1-146	%Rec	1	7/31/2023 1:08:00 PM	BS98600

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н 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. S
- Analyte detected in the associated Method Blank В
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits Р Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.
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Lab Order 2307E44

Date Reported: 8/4/2023

CLIENT: ENSOLUM Project: SJ 27 9 94 A			ent Sample II ollection Dat		3 28/2023 10:35:00 AM	
Lab ID: 2307E44-008	Matrix: SOIL]	Received Dat	e: 7/2	9/2023 7:05:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: SNS
Chloride	ND	60	mg/Kg	20	7/31/2023 12:42:09 PM	76564
EPA METHOD 8015M/D: DIESEL RAN	IGE ORGANICS				Analysi	: DGH
Diesel Range Organics (DRO)	95	9.1	mg/Kg	1	7/29/2023 1:57:04 PM	76555
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	7/29/2023 1:57:04 PM	76555
Surr: DNOP	124	69-147	%Rec	1	7/29/2023 1:57:04 PM	76555
EPA METHOD 8015D: GASOLINE RA	NGE				Analyst	t: KMN
Gasoline Range Organics (GRO)	130	18	mg/Kg	5	7/31/2023 1:30:00 PM	R98600
Surr: BFB	227	15-244	%Rec	5	7/31/2023 1:30:00 PM	R98600
EPA METHOD 8021B: VOLATILES					Analyst	t: KMN
Benzene	ND	0.090	mg/Kg	5	7/31/2023 1:30:00 PM	BS98600
Toluene	0.48	0.18	mg/Kg	5	7/31/2023 1:30:00 PM	BS98600
Ethylbenzene	0.82	0.18	mg/Kg	5	7/31/2023 1:30:00 PM	BS98600
Xylenes, Total	6.7	0.36	mg/Kg	5	7/31/2023 1:30:00 PM	BS98600
Surr: 4-Bromofluorobenzene	108	39.1-146	%Rec	5	7/31/2023 1:30:00 PM	BS98600

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н 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. S
- Analyte detected in the associated Method Blank В
- Е Above Quantitation Range/Estimated Value J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2307E44

Date Reported: 8/4/2023

CLIENT: ENSOLUM		Cl	ient S	ample II	D: S-9	9			
Project: SJ 27 9 94 A	Collection Date: 7/28/2023 10:40:00 AM								
Lab ID: 2307E44-009	Matrix: SOIL		Rece	ived Dat	e: 7/2	29/2023 7:05:00 AM			
Analyses	Result	RL	Qua	l Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS						Analys	t: SNS		
Chloride	ND	60		mg/Kg	20	7/31/2023 1:19:23 PM	76564		
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANICS					Analys	t: DGH		
Diesel Range Organics (DRO)	81	9.8		mg/Kg	1	7/29/2023 2:07:53 PM	76555		
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/29/2023 2:07:53 PM	76555		
Surr: DNOP	98.8	69-147		%Rec	1	7/29/2023 2:07:53 PM	76555		
EPA METHOD 8015D: GASOLINE RA	NGE					Analys	t: KMN		
Gasoline Range Organics (GRO)	170	18		mg/Kg	5	7/31/2023 1:52:00 PM	R98600		
Surr: BFB	252	15-244	S	%Rec	5	7/31/2023 1:52:00 PM	R98600		
EPA METHOD 8021B: VOLATILES						Analys	t: KMN		
Benzene	ND	0.091		mg/Kg	5	7/31/2023 1:52:00 PM	BS98600		
Toluene	0.49	0.18		mg/Kg	5	7/31/2023 1:52:00 PM	BS98600		
Ethylbenzene	0.96	0.18		mg/Kg	5	7/31/2023 1:52:00 PM	BS98600		
Xylenes, Total	7.2	0.36		mg/Kg	5	7/31/2023 1:52:00 PM	BS98600		
Surr: 4-Bromofluorobenzene	113	39.1-146		%Rec	5	7/31/2023 1:52:00 PM	BS98600		

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

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- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated. S
- В Analyte detected in the associated Method Blank
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- J Analyte detected below quantitation limits Р Sample pH Not In Range
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Batch ID: 76564

Analysis Date: 7/31/2023

Result

14

PQL

1.5

L		tal Analysis		ory, Inc.					WO#:	2307E44 04-Aug-23
Client: Project:	ENSOI SJ 27 9	-								
Sample ID:	MB-76564	SampType:	MBLK	Tes	tCode: EF	PA Method	300.0: Anions	6		
Client ID:	PBS	Batch ID:	76564	F	RunNo: 98	8608				
Prep Date:	7/31/2023	Analysis Date:	7/31/2023	\$	SeqNo: 3	592134	Units: mg/K	g		
Analyte		Result PQ	L SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND 1	.5							
Sample ID:	LCS-76564	SampType:	LCS	Tes	tCode: EF	PA Method	300.0: Anions	6		

SPK value SPK Ref Val %REC

0

15.00

RunNo: 98608

91.1

SeqNo: 3592135

LowLimit

90

Units: mg/Kg

110

%RPD

RPDLimit

Qual

HighLimit

Qualifiers:

Client ID:

Prep Date:

Analyte

Chloride

LCSS

7/31/2023

- Value exceeds Maximum Contaminant Level. *
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
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- % Recovery outside of standard limits. If undiluted results may be estimated. S
- Analyte detected in the associated Method Blank В
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- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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	WO#:	2307E44
Inc.		04-Aug-23

Client:ENSOLProject:SJ 27 9										
Sample ID: LCS-76555	SampT	ype: LC	S	Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	Organics	
Client ID: LCSS	Batch	n ID: 76	555	F	RunNo: 98	3594				
Prep Date: 7/29/2023	Analysis D	Date: 7/	29/2023	S	SeqNo: 3	590225	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	53	10	50.00	0	107	61.9	130			
Surr: DNOP	5.1		5.000		103	69	147			
Sample ID: MB-76555	SampT	ype: ME	BLK	Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	Organics	
Client ID: PBS	Batch	n ID: 76	555	F	RunNo: 98	3594				
Prep Date: 7/29/2023	Analysis D	Date: 7/	29/2023	Ş	SeqNo: 3	590227	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		111	69	147			

Qualifiers:

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- S % Recovery outside of standard limits. If undiluted results may be estimated.
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- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

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WO#: **2307E44**

04-Aug-23

Client: Project:	ENSOLUI SJ 27 9 94										
Sample ID: 2.	5UG GRO LCS	SampT	ype: LC	S	Tes	tCode: El	PA Method	8015D: Gaso	line Range		
Client ID: L	css	Batch	n ID: R9	8600	F	RunNo: 9	8600				
Prep Date:		Analysis D)ate: 7/	31/2023	S	SeqNo: 3	590778	Units: mg/K	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range C	Organics (GRO)	21	5.0	25.00	0	85.1	70	130			
Surr: BFB		1900		1000		192	15	244			
Sample ID: m	ıb	SampT	уре: МЕ	BLK	Tes	tCode: El	PA Method	8015D: Gaso	line Range		
Client ID: P	BS	Batch	n ID: R9	8600	F	RunNo: 9	8600				
Prep Date:		Analysis D)ate: 7/	31/2023	5	SeqNo: 3	590779	Units: mg/K	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range C Surr: BFB	Drganics (GRO)	ND 810	5.0	1000		81.5	15	244			
Sample ID: 23	307E44-001ams	SampT	ype: MS	;	Tes	tCode: El	PA Method	8015D: Gaso	line Range		
Client ID: S	-1	Batch	n ID: R9	8600	F	RunNo: 9	8600				
Prep Date:		Analysis D)ate: 7/	31/2023	S	SeqNo: 3	591531	Units: mg/K	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range C	Organics (GRO)	700	20	98.74	601.2	102	70	130			
Surr: BFB		15000		3950		386	15	244			S
Sample ID: 23	307E44-001amsd	SampT	уре: М	SD	Tes	tCode: El	PA Method	8015D: Gaso	line Range		
Client ID: S	-1	Batch	n ID: R9	8600	F	RunNo: 9	8600				
Prep Date:		Analysis D)ate: 7/3	31/2023	5	SeqNo: 3	591532	Units: mg/K	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range C	Organics (GRO)	660	20	98.74	601.2	59.8	70	130	6.17	20	S
Surr: BFB		15000		3950		380	15	244	0	0	S

Qualifiers:

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- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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ENSOLUM

SJ 27 9 94 A

Client:

Project:

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Sample ID: 100ng btex Ics	Samp	Гуре: LC	s	Tes	tCode: E	iles				
Client ID: LCSS	Batc	h ID: BS	98600	RunNo: 98600						
Prep Date:	Analysis I	Date: 7/3	31/2023	\$	SeqNo: 3	590786	Units: mg/ł	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.94	0.025	1.000	0	94.3	70	130			
Toluene	0.96	0.050	1.000	0	95.7	70	130			
Ethylbenzene	0.97	0.050	1.000	0	96.6	70	130			
Xylenes, Total	2.9	0.10	3.000	0	96.9	70	130			
Surr: 4-Bromofluorobenzene	0.82		1.000		82.3	39.1	146			
Sample ID: mb	Samp	Гуре: МЕ	BLK	Tes	tCode: E	PA Method	8021B: Volat	iles		
Client ID: PBS	Batc	h ID: BS	98600	F	RunNo: 9 8	8600				
Prep Date:	Analysis I	Date: 7/3	31/2023	5	SeqNo: 3	590787	Units: mg/ł	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.81		1.000		80.7	39.1	146			
Sample ID: 2307E44-001ams	Samp	Гуре: МS	5	Tes	tCode: Ef	PA Method	8021B: Volat	iles		
Sample ID: 2307E44-001ams Client ID: S-1	•	Гуре: МS h ID: BS			stCode: El RunNo: 9 8		8021B: Volat	iles		
	•	h ID: BS	98600	F		3640	8021B: Volat Units: mg/ł			
Client ID: S-1	Batc	h ID: BS	98600	F	RunNo: 9 8	3640			RPDLimit	Qual
Client ID: S-1 Prep Date:	Batc Analysis I	h ID: BS Date: 8/ 2	98600 2/2023	F	RunNo: 9 8 SeqNo: 3 8	3640 592955	Units: mg/ł	(g	RPDLimit	Qual
Client ID: S-1 Prep Date: Analyte	Batc Analysis I Result	h ID: BS Date: 8/ 2 PQL	98600 2/2023 SPK value	F SPK Ref Val	RunNo: 98 SeqNo: 38 %REC	3640 592955 LowLimit	Units: mg/ł HighLimit	(g	RPDLimit	Qual
Client ID: S-1 Prep Date: Analyte Benzene	Batc Analysis I Result 4.0	h ID: BS Date: 8/ 2 PQL 0.099	98600 2/2023 SPK value 3.950	F SPK Ref Val 0.2174	RunNo: 98 SeqNo: 38 <u>%REC</u> 95.1	8640 592955 LowLimit 70	Units: mg/ł HighLimit 130	(g	RPDLimit	Qual
Client ID: S-1 Prep Date: Analyte Benzene Toluene	Batc Analysis I Result 4.0 13	h ID: BS Date: 8/2 PQL 0.099 0.20	98600 2/2023 SPK value 3.950 3.950	F SPK Ref Val 0.2174 8.851	RunNo: 98 SeqNo: 38 <u>%REC</u> 95.1 93.3	3640 592955 LowLimit 70 70	Units: mg/k HighLimit 130 130	(g	RPDLimit	Qual
Client ID: S-1 Prep Date: Analyte Benzene Toluene Ethylbenzene	Batc Analysis I Result 4.0 13 7.5	h ID: BS Date: 8/ PQL 0.099 0.20 0.20	98600 2/2023 SPK value 3.950 3.950 3.950	F SPK Ref Val 0.2174 8.851 3.924	RunNo: 9 8 SeqNo: 3 8 <u>%REC</u> 95.1 93.3 91.5	8640 592955 LowLimit 70 70 70	Units: mg/k HighLimit 130 130 130	(g	RPDLimit	Qual
Client ID: S-1 Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total	Batc Analysis I Result 4.0 13 7.5 41 7.5	h ID: BS Date: 8/ PQL 0.099 0.20 0.20	98600 2/2023 3.950 3.950 3.950 11.85 3.950	F SPK Ref Val 0.2174 8.851 3.924 30.09	RunNo: 98 SeqNo: 38 %REC 95.1 93.3 91.5 90.7 189	3640 592955 LowLimit 70 70 70 70 39.1	Units: mg// HighLimit 130 130 130 130	(g %RPD	RPDLimit	
Client ID: S-1 Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene	Batc Analysis I Result 4.0 13 7.5 41 7.5 41 7.5	h ID: BS Date: 8/ <u>PQL</u> 0.099 0.20 0.20 0.39	98600 2/2023 SPK value 3.950 3.950 3.950 11.85 3.950	F SPK Ref Val 0.2174 8.851 3.924 30.09 Tes	RunNo: 98 SeqNo: 38 %REC 95.1 93.3 91.5 90.7 189	3640 592955 LowLimit 70 70 70 70 70 39.1 PA Method	Units: mg// HighLimit 130 130 130 130 146	(g %RPD	RPDLimit	
Client ID: S-1 Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID: 2307E44-001amso	Batc Analysis I Result 4.0 13 7.5 41 7.5 41 7.5	h ID: BS Date: 8/2 0.099 0.20 0.20 0.39 Type: MS h ID: BS	98600 2/2023 3.950 3.950 3.950 11.85 3.950 5D 98600	F SPK Ref Val 0.2174 8.851 3.924 30.09 Tes F	RunNo: 98 SeqNo: 38 %REC 95.1 93.3 91.5 90.7 189 stCode: Ef	3640 592955 LowLimit 70 70 70 39.1 PA Method 3640	Units: mg// HighLimit 130 130 130 130 146	Kg %RPD iles	RPDLimit	
Client ID: S-1 Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID: 2307E44-001amso Client ID: S-1	Batc Analysis I Result 4.0 13 7.5 41 7.5 41 7.5 5 3 8 Samp Batc	h ID: BS Date: 8/2 0.099 0.20 0.20 0.39 Type: MS h ID: BS	98600 2/2023 3.950 3.950 3.950 11.85 3.950 5D 98600	F SPK Ref Val 0.2174 8.851 3.924 30.09 Tes F	RunNo: 98 SeqNo: 38 %REC 95.1 93.3 91.5 90.7 189 stCode: EF	3640 592955 LowLimit 70 70 70 39.1 PA Method 3640	Units: mg/k HighLimit 130 130 130 130 146 8021B: Volat	Kg %RPD iles	RPDLimit	
Client ID: S-1 Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID: 2307E44-001amso Client ID: S-1 Prep Date:	Batc Analysis I Result 4.0 13 7.5 41 7.5 41 7.5 41 7.5 5 d Samp Batc Analysis I	h ID: BS Date: 8/2 PQL 0.099 0.20 0.20 0.39 Type: MS h ID: BS Date: 8/2	98600 2/2023 3.950 3.950 3.950 11.85 3.950 5D 98600 2/2023	F SPK Ref Val 0.2174 8.851 3.924 30.09 Tes F	RunNo: 98 SeqNo: 38 %REC 95.1 93.3 91.5 90.7 189 stCode: EF RunNo: 98 SeqNo: 38	3640 592955 LowLimit 70 70 70 39.1 PA Method 3640 592956	Units: mg/k HighLimit 130 130 130 130 146 8021B: Volat Units: mg/k	Kg %RPD iles Kg		S
Client ID: S-1 Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID: 2307E44-001amso Client ID: S-1 Prep Date: Analyte	Batc Analysis I Result 4.0 13 7.5 41 7.5 2 Samp Batc Analysis I Result	h ID: BS Date: 8 /2 0.099 0.20 0.20 0.39 Type: MS h ID: BS Date: 8 /2 PQL	98600 2/2023 3.950 3.950 11.85 3.950 11.85 3.950 5D 98600 2/2023 SPK value	F SPK Ref Val 0.2174 8.851 3.924 30.09 Tes F SPK Ref Val	RunNo: 93 SeqNo: 33 %REC 95.1 93.3 91.5 90.7 189 stCode: EF RunNo: 93 SeqNo: 33 %REC	3640 592955 LowLimit 70 70 70 39.1 PA Method 3640 592956 LowLimit	Units: mg// HighLimit 130 130 130 130 146 8021B: Volat Units: mg// HighLimit	<pre>% % RPD iles % % RPD </pre>	RPDLimit	S
Client ID: S-1 Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID: 2307E44-001amso Client ID: S-1 Prep Date: Analyte Benzene	Batc Analysis I Result 4.0 13 7.5 41 7.5 4 Samp Batc Analysis I Result 3.8	h ID: BS Date: 8 /2 0.099 0.20 0.20 0.39 Type: MS h ID: BS Date: 8 /2 PQL 0.099	98600 2/2023 SPK value 3.950 3.950 11.85 3.950 11.85 3.950 5D 98600 2/2023 SPK value 3.950	F SPK Ref Val 0.2174 8.851 3.924 30.09 Tes F SPK Ref Val 0.2174	RunNo: 93 SeqNo: 33 %REC 95.1 93.3 91.5 90.7 189 stCode: Ef RunNo: 93 SeqNo: 33 %REC 90.1	3640 592955 LowLimit 70 70 70 39.1 PA Method 3640 592956 LowLimit 70	Units: mg/k HighLimit 130 130 130 130 146 8021B: Volat Units: mg/k HighLimit 130	(g %RPD iles (g %RPD 5.05	RPDLimit 20	S
Client ID: S-1 Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID: 2307E44-001amso Client ID: S-1 Prep Date: Analyte Benzene Toluene	Batc Analysis I Result 4.0 13 7.5 41 7.5 41 7.5 3 8 Samp Batc Analysis I Result 3.8 12	h ID: BS Date: 8/2 PQL 0.099 0.20 0.20 0.20 0.39 Type: MS h ID: BS Date: 8/2 PQL 0.099 0.20	98600 2/2023 SPK value 3.950 3.950 11.85 3.950 11.85 3.950 50 98600 2/2023 SPK value 3.950 3.950	F SPK Ref Val 0.2174 8.851 3.924 30.09 Tes 5 SPK Ref Val 0.2174 8.851	RunNo: 94 SeqNo: 34 %REC 95.1 93.3 91.5 90.7 189 stCode: Ef RunNo: 94 SeqNo: 34 %REC 90.1 77.8	3640 592955 LowLimit 70 70 70 39.1 PA Method 3640 592956 LowLimit 70 70 70	Units: mg/k HighLimit 130 130 130 130 146 8021B: Volat Units: mg/k HighLimit 130 130	(g) %RPD iles (g) %RPD 5.05 5.02	RPDLimit 20 20	S

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
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- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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WO#: 2307E44

04-Aug-23

HALL ENVIRONMENTAL ANALYSIS LABORATORY	Hall Environmental A Albu TEL: 505-345-3975 Website: www.hal	490) querqu FAX: :	l Hawkins NE ue, NM 87109 505-345-4107	Sam	Sample Log-In Check List				
Client Name: ENSOLUM	Work Order Number:	2307	'E 4 4		RcptNo: 1				
Received By: Juan Rojas Completed By: Juan Rojas Reviewed By: TMC	7/29/2023 7:05:00 AM 7/29/2023 8:11:41 AM 7/29/23		4	Landy y					
 <u>Chain of Custody</u> 1. Is Chain of Custody complete? 2. How was the sample delivered? 		Yes <u>Cour</u>		No 🗌	Not Present				
Log In 3. Was an attempt made to cool the samples	?	Yes		No 🗌	NA 🗌				
4. Were all samples received at a temperature	re of >0° C to 6.0°C	Yes	\checkmark	No 🗌	NA 🗆				
5. Sample(s) in proper container(s)?		Yes		No 🗌					
 Sufficient sample volume for indicated test Are samples (except VOA and ONG) prop. 	erly preserved?	Yes Yes		No 🗌 No 🗌					
 8. Was preservative added to bottles? 9. Received at least 1 vial with headspace <1 		Yes		No 🔽	NA 🗌				
10. Were any sample containers received bro		Yes		No 🗹	# of preserved				
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)		Yes		No 🗌	bottles checked for pH: (<2 or > 12 unless noted) Adjusted?				
12. Are matrices correctly identified on Chain of13. Is it clear what analyses were requested?				No	Checked by: 107/29/23				
14. Were all holding times able to be met? (If no, notify customer for authorization.)		Yes		No 🗌					
<u>Special Handling (if applicable)</u> 15. Was client notified of all discrepancies wil	th this order?	Yes		No 🗌	NA 🗹				
Person Notified: By Whom: Regarding: Client Instructions: 16. Additional remarks:	Date Date Via:] eM		ne 🗌 Fax					

Client missing phone number and email address on COC, JR 7/29/23

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By	
1	1.8	Good	Yes	Morty			

Released to Imaging: 1/3/2024 11:14:35 AM

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	Turn-Arou
NUD: 11/0/2025 7:44:10 AM	ain-of-Custody Record

eceived by OCD: 11/6/2023 9:44:10 AM	1/6/2023	9:44:10 AM										Page 13!	Page 139 of 159
Chain-	of-Cu	Chain-of-Custody Record	Turn-Around T	Time:	100%		-		N		HALL ENVIRONMENTAL	NTA	
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August 07, 2023

Kyle Summers ENSOLUM 606 S. Rio Grande Suite A Aztec, NM 87410 TEL: (903) 821-5603 FAX: Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

RE: SJ 29 7 94 A

OrderNo.: 2308185

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 9 sample(s) on 8/3/2023 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 don't hesitate to contact HEAL for any additional information or clarifications.

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2308185

Date Reported: 8/7/2023

CLIENT	ENSOLUM	Client Sample ID: S-4a
Project:	SJ 29 7 94 A	Collection Date: 8/2/2023 10:00:00 AM
Lab ID:	2308185-001	Matrix: MEOH (SOIL) Received Date: 8/3/2023 6:20:00 AM

Analyses	Result	RL Q	ual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: JMT
Chloride	ND	59	mg/Kg	20	8/3/2023 9:15:51 AM	76643
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS					Analys	t: DGH
Diesel Range Organics (DRO)	20	9.3	mg/Kg	1	8/3/2023 9:05:42 AM	76642
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	8/3/2023 9:05:42 AM	76642
Surr: DNOP	97.8	69-147	%Rec	1	8/3/2023 9:05:42 AM	76642
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: KMN
Gasoline Range Organics (GRO)	5.2	3.8	mg/Kg	1	8/3/2023 11:18:00 AM	R98690
Surr: BFB	123	15-244	%Rec	1	8/3/2023 11:18:00 AM	R98690
EPA METHOD 8021B: VOLATILES					Analys	t: KMN
Benzene	ND	0.019	mg/Kg	1	8/3/2023 11:18:00 AM	R98690
Toluene	ND	0.038	mg/Kg	1	8/3/2023 11:18:00 AM	R98690
Ethylbenzene	ND	0.038	mg/Kg	1	8/3/2023 11:18:00 AM	R98690
Xylenes, Total	ND	0.076	mg/Kg	1	8/3/2023 11:18:00 AM	R98690
Surr: 4-Bromofluorobenzene	98.9	39.1-146	%Rec	1	8/3/2023 11:18:00 AM	R98690

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н 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. S
- В Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range RL Reporting Limit

Page 1 of 16

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2308185

Date Reported: 8/7/2023

CLIENT	ENSOLUM	Client Sample ID: S-8a
Project:	SJ 29 7 94 A	Collection Date: 8/2/2023 10:05:00 AM
Lab ID:	2308185-002	Matrix: MEOH (SOIL) Received Date: 8/3/2023 6:20:00 AM

Analyses	Result	RL (Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: JMT
Chloride	ND	60	mg/Kg	20	8/3/2023 9:28:12 AM	76643
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS					Analys	t: DGH
Diesel Range Organics (DRO)	35	9.7	mg/Kg	1	8/3/2023 9:16:11 AM	76642
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	8/3/2023 9:16:11 AM	76642
Surr: DNOP	97.6	69-147	%Rec	1	8/3/2023 9:16:11 AM	76642
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: KMN
Gasoline Range Organics (GRO)	5.5	3.8	mg/Kg	1	8/3/2023 11:40:00 AM	R98690
Surr: BFB	126	15-244	%Rec	1	8/3/2023 11:40:00 AM	R98690
EPA METHOD 8021B: VOLATILES					Analys	t: KMN
Benzene	ND	0.019	mg/Kg	1	8/3/2023 11:40:00 AM	R98690
Toluene	ND	0.038	mg/Kg	1	8/3/2023 11:40:00 AM	R98690
Ethylbenzene	ND	0.038	mg/Kg	1	8/3/2023 11:40:00 AM	R98690
Xylenes, Total	ND	0.076	mg/Kg	1	8/3/2023 11:40:00 AM	R98690
Surr: 4-Bromofluorobenzene	99.5	39.1-146	%Rec	1	8/3/2023 11:40:00 AM	R98690

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н 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. S
- В Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits Р Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2308185

Date Reported: 8/7/2023

CLIENT:	ENSOLUM	Client Sample ID: S-10
Project:	SJ 29 7 94 A	Collection Date: 8/2/2023 10:10:00 AM
Lab ID:	2308185-003	Matrix: MEOH (SOIL) Received Date: 8/3/2023 6:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analys	t: JMT
Chloride	ND	60		mg/Kg	20	8/3/2023 9:40:32 AM	76643
EPA METHOD 8015M/D: DIESEL RANGE ORGANIC						Analys	t: DGH
Diesel Range Organics (DRO)	110	9.8		mg/Kg	1	8/3/2023 9:44:10 AM	76642
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/3/2023 9:44:10 AM	76642
Surr: DNOP	97.3	69-147		%Rec	1	8/3/2023 9:44:10 AM	76642
EPA METHOD 8015D: GASOLINE RANGE						Analys	t: KMN
Gasoline Range Organics (GRO)	180	21		mg/Kg	5	8/3/2023 10:56:00 AM	R98690
Surr: BFB	252	15-244	S	%Rec	5	8/3/2023 10:56:00 AM	R98690
EPA METHOD 8021B: VOLATILES						Analys	t: KMN
Benzene	ND	0.11		mg/Kg	5	8/3/2023 10:56:00 AM	R98690
Toluene	1.7	0.21		mg/Kg	5	8/3/2023 10:56:00 AM	R98690
Ethylbenzene	1.4	0.21		mg/Kg	5	8/3/2023 10:56:00 AM	R98690
Xylenes, Total	13	0.43		mg/Kg	5	8/3/2023 10:56:00 AM	R98690
Surr: 4-Bromofluorobenzene	131	39.1-146		%Rec	5	8/3/2023 10:56:00 AM	R98690

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н 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. S
- В Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits Sample pH Not In Range
- Р RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2308185

Date Reported: 8/7/2023

CLIENT:	ENSOLUM	Client Sample ID: S-11
Project:	SJ 29 7 94 A	Collection Date: 8/2/2023 10:15:00 AM
Lab ID:	2308185-004	Matrix: MEOH (SOIL) Received Date: 8/3/2023 6:20:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: JMT
Chloride	ND	60	mg/Kg	20	8/3/2023 9:52:51 AM	76643
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS					Analys	t: DGH
Diesel Range Organics (DRO)	21	9.9	mg/Kg	1	8/3/2023 9:54:39 AM	76642
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	8/3/2023 9:54:39 AM	76642
Surr: DNOP	97.4	69-147	%Rec	1	8/3/2023 9:54:39 AM	76642
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: KMN
Gasoline Range Organics (GRO)	ND	4.0	mg/Kg	1	8/3/2023 12:02:00 PM	R98690
Surr: BFB	109	15-244	%Rec	1	8/3/2023 12:02:00 PM	R98690
EPA METHOD 8021B: VOLATILES					Analys	t: KMN
Benzene	ND	0.020	mg/Kg	1	8/3/2023 12:02:00 PM	R98690
Toluene	ND	0.040	mg/Kg	1	8/3/2023 12:02:00 PM	R98690
Ethylbenzene	ND	0.040	mg/Kg	1	8/3/2023 12:02:00 PM	R98690
Xylenes, Total	ND	0.081	mg/Kg	1	8/3/2023 12:02:00 PM	R98690
Surr: 4-Bromofluorobenzene	96.2	39.1-146	%Rec	1	8/3/2023 12:02:00 PM	R98690

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н 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. S
- В Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits Sample pH Not In Range
- Р RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2308185

Date Reported: 8/7/2023

CLIENT:	ENSOLUM	Client Sample ID: S-12
Project:	SJ 29 7 94 A	Collection Date: 8/2/2023 10:20:00 AM
Lab ID:	2308185-005	Matrix: MEOH (SOIL) Received Date: 8/3/2023 6:20:00 AM

Analyses	Result	RL Q	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: JMT
Chloride	ND	60	mg/Kg	20	8/3/2023 10:05:12 AM	76643
EPA METHOD 8015M/D: DIESEL RANGE O	RGANICS				Analys	t: DGH
Diesel Range Organics (DRO)	22	9.4	mg/Kg	1	8/3/2023 10:05:11 AM	76642
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	8/3/2023 10:05:11 AM	76642
Surr: DNOP	105	69-147	%Rec	1	8/3/2023 10:05:11 AM	76642
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: KMN
Gasoline Range Organics (GRO)	4.6	3.7	mg/Kg	1	8/3/2023 12:23:00 PM	R98690
Surr: BFB	125	15-244	%Rec	1	8/3/2023 12:23:00 PM	R98690
EPA METHOD 8021B: VOLATILES					Analys	t: KMN
Benzene	ND	0.018	mg/Kg	1	8/3/2023 12:23:00 PM	R98690
Toluene	ND	0.037	mg/Kg	1	8/3/2023 12:23:00 PM	R98690
Ethylbenzene	ND	0.037	mg/Kg	1	8/3/2023 12:23:00 PM	R98690
Xylenes, Total	ND	0.073	mg/Kg	1	8/3/2023 12:23:00 PM	R98690
Surr: 4-Bromofluorobenzene	97.8	39.1-146	%Rec	1	8/3/2023 12:23:00 PM	R98690

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н 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. S
- В Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits Р Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2308185

Date Reported: 8/7/2023

CLIENT	ENSOLUM	Client Sample ID: S-13
Project:	SJ 29 7 94 A	Collection Date: 8/2/2023 10:25:00 AM
Lab ID:	2308185-006	Matrix: MEOH (SOIL) Received Date: 8/3/2023 6:20:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: JMT
Chloride	ND	60	mg/Kg	20	8/3/2023 10:42:13 AM	76643
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analys	t: DGH
Diesel Range Organics (DRO)	24	9.5	mg/Kg	1	8/3/2023 10:15:44 AM	76642
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	8/3/2023 10:15:44 AM	76642
Surr: DNOP	94.4	69-147	%Rec	1	8/3/2023 10:15:44 AM	76642
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: KMN
Gasoline Range Organics (GRO)	4.3	4.2	mg/Kg	1	8/3/2023 12:45:00 PM	R98690
Surr: BFB	117	15-244	%Rec	1	8/3/2023 12:45:00 PM	R98690
EPA METHOD 8021B: VOLATILES					Analys	t: KMN
Benzene	ND	0.021	mg/Kg	1	8/3/2023 12:45:00 PM	R98690
Toluene	ND	0.042	mg/Kg	1	8/3/2023 12:45:00 PM	R98690
Ethylbenzene	ND	0.042	mg/Kg	1	8/3/2023 12:45:00 PM	R98690
Xylenes, Total	ND	0.083	mg/Kg	1	8/3/2023 12:45:00 PM	R98690
Surr: 4-Bromofluorobenzene	96.4	39.1-146	%Rec	1	8/3/2023 12:45:00 PM	R98690

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н 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. S
- В Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2308185

Date Reported: 8/7/2023

CLIENT:	ENSOLUM	Client Sample ID: S-14
Project:	SJ 29 7 94 A	Collection Date: 8/2/2023 10:30:00 AM
Lab ID:	2308185-007	Matrix: MEOH (SOIL) Received Date: 8/3/2023 6:20:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: JMT
Chloride	ND	60	mg/Kg	20	8/3/2023 10:54:34 AM	76643
EPA METHOD 8015M/D: DIESEL RANGE O	RGANICS				Analys	t: DGH
Diesel Range Organics (DRO)	38	9.9	mg/Kg	1	8/3/2023 10:26:19 AM	76642
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	8/3/2023 10:26:19 AM	76642
Surr: DNOP	92.8	69-147	%Rec	1	8/3/2023 10:26:19 AM	76642
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: KMN
Gasoline Range Organics (GRO)	5.2	3.6	mg/Kg	1	8/3/2023 1:07:00 PM	R98690
Surr: BFB	128	15-244	%Rec	1	8/3/2023 1:07:00 PM	R98690
EPA METHOD 8021B: VOLATILES					Analys	t: KMN
Benzene	ND	0.018	mg/Kg	1	8/3/2023 1:07:00 PM	R98690
Toluene	ND	0.036	mg/Kg	1	8/3/2023 1:07:00 PM	R98690
Ethylbenzene	ND	0.036	mg/Kg	1	8/3/2023 1:07:00 PM	R98690
Xylenes, Total	ND	0.072	mg/Kg	1	8/3/2023 1:07:00 PM	R98690
Surr: 4-Bromofluorobenzene	98.3	39.1-146	%Rec	1	8/3/2023 1:07:00 PM	R98690

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н 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. S
- В Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2308185

Date Reported: 8/7/2023

CLIENT	ENSOLUM	Client Sample ID: S-15
Project:	SJ 29 7 94 A	Collection Date: 8/2/2023 10:35:00 AM
Lab ID:	2308185-008	Matrix: MEOH (SOIL) Received Date: 8/3/2023 6:20:00 AM

Analyses	Result	RL (Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: JMT
Chloride	ND	60	mg/Kg	20	8/3/2023 11:06:55 AM	76643
EPA METHOD 8015M/D: DIESEL RANGE O	RGANICS				Analys	t: DGH
Diesel Range Organics (DRO)	37	9.1	mg/Kg	1	8/3/2023 10:36:56 AM	76642
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	8/3/2023 10:36:56 AM	76642
Surr: DNOP	89.3	69-147	%Rec	1	8/3/2023 10:36:56 AM	76642
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: KMN
Gasoline Range Organics (GRO)	7.4	4.1	mg/Kg	1	8/3/2023 1:29:00 PM	R98690
Surr: BFB	126	15-244	%Rec	1	8/3/2023 1:29:00 PM	R98690
EPA METHOD 8021B: VOLATILES					Analys	t: KMN
Benzene	ND	0.021	mg/Kg	1	8/3/2023 1:29:00 PM	R98690
Toluene	ND	0.041	mg/Kg	1	8/3/2023 1:29:00 PM	R98690
Ethylbenzene	ND	0.041	mg/Kg	1	8/3/2023 1:29:00 PM	R98690
Xylenes, Total	ND	0.083	mg/Kg	1	8/3/2023 1:29:00 PM	R98690
Surr: 4-Bromofluorobenzene	102	39.1-146	%Rec	1	8/3/2023 1:29:00 PM	R98690

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

* **Qualifiers:**

- Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н 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. S
- В Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

Lab Order **2308185** Date Reported: **8/7/2023**

CLIENT: ENSOLUM	Client Sample ID: S-16
Project: SJ 29 7 94 A	Collection Date: 8/2/2023 10:40:00 AM
Lab ID: 2308185-009	Matrix: MEOH (SOIL) Received Date: 8/3/2023 6:20:00 AM

Analyses	Result	RL (Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: JMT
Chloride	ND	60	mg/Kg	20	8/3/2023 11:19:16 AM	76643
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analys	t: DGH
Diesel Range Organics (DRO)	44	9.9	mg/Kg	1	8/3/2023 10:47:32 AM	76642
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	8/3/2023 10:47:32 AM	76642
Surr: DNOP	102	69-147	%Rec	1	8/3/2023 10:47:32 AM	76642
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: KMN
Gasoline Range Organics (GRO)	4.7	3.8	mg/Kg	1	8/3/2023 1:51:00 PM	R98690
Surr: BFB	121	15-244	%Rec	1	8/3/2023 1:51:00 PM	R98690
EPA METHOD 8021B: VOLATILES					Analys	t: KMN
Benzene	ND	0.019	mg/Kg	1	8/3/2023 1:51:00 PM	R98690
Toluene	ND	0.038	mg/Kg	1	8/3/2023 1:51:00 PM	R98690
Ethylbenzene	ND	0.038	mg/Kg	1	8/3/2023 1:51:00 PM	R98690
Xylenes, Total	ND	0.075	mg/Kg	1	8/3/2023 1:51:00 PM	R98690
Surr: 4-Bromofluorobenzene	96.9	39.1-146	%Rec	1	8/3/2023 1:51:00 PM	R98690

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical 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
- RL R

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Client: Project:		OLUM 9 7 94 A				
Sample ID:	MB-76643	SampType: mblk	TestCode: EPA Method	d 300.0: Anions		
Client ID:	PBS	Batch ID: 76643	RunNo: 98696			
Prep Date:	8/3/2023	Analysis Date: 8/3/2023	SeqNo: 3596185	Units: mg/Kg		
Analyte		Result PQL SPK valu	e SPK Ref Val %REC LowLimit	t HighLimit %RPD	RPDLimit	Qual
Chloride		ND 1.5				
Sample ID:	LCS-76643	SampType: Ics	TestCode: EPA Method	d 300.0: Anions		
Client ID:	LCSS	Batch ID: 76643	RunNo: 98696			
Prep Date:	8/3/2023	Analysis Date: 8/3/2023	SeqNo: 3596186	Units: mg/Kg		
Analyte		Result PQL SPK valu	e SPK Ref Val %REC LowLimit	t HighLimit %RPD	RPDLimit	Qual
Chloride		14 1.5 15.0	0 0 92.6 90	110		

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Н 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. S
- Analyte detected in the associated Method Blank В
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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2308185

07-Aug-23

WO#:

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc

2308185

WO#:

Hall En	vironmental	Analy:	sis L	aborato	ry, Inc.						07-Aug-2
Client: Project:	ENSOLUI SJ 29 7 94										
Sample ID:	2308185-009AMS	SampT	ype: MS	6	Tes	stCode: EF	PA Method	8015M/D: Die	esel Range	Organics	
Client ID:	S-16	Batch	ID: 76	642	F	RunNo: 98	3705				
Prep Date:	8/3/2023	Analysis D	ate: 8/	3/2023	:	SeqNo: 3	595302	Units: mg/k	٤g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
)iesel Range (Surr: DNOP	Drganics (DRO)	66 4.2	9.4	46.82 4.682	44.20	46.4 89.0	54.2 69	135 147			S
Sample ID:	2308185-009AMSD	SampT	ype: M \$	SD	Tes	stCode: EF	PA Method	8015M/D: Die	esel Range	Organics	
Client ID:	S-16	Batch	ID: 76	642	F	RunNo: 98	3705				
Prep Date:	8/3/2023	Analysis D	ate: 8/	3/2023	:	SeqNo: 3	595303	Units: mg/k	٤g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
-	Organics (DRO)	74	9.4	47.04	44.20	63.7	54.2	135	11.7	29.2	
Surr: DNOP		4.7		4.704		99.1	69	147	0	0	
Sample ID:	LCS-76642	SampT	ype: LC	S	TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID:	LCSS	Batch	ID: 76	642	F	RunNo: 98	3705				
Prep Date:	8/3/2023	Analysis D	ate: 8/	3/2023	:	SeqNo: 3	595309	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
-	Organics (DRO)	48	10	50.00	0	95.1	61.9	130			
Surr: DNOP		4.3		5.000		86.2	69	147			
Sample ID:	LCS-76646	SampT	ype: LC	S	Tes	stCode: EF	PA Method	8015M/D: Die	esel Range	Organics	
Client ID:	LCSS	Batch	ID: 76	646	F	RunNo: 98	3705				
Prep Date:	8/3/2023	Analysis D	ate: 8/	3/2023	:	SeqNo: 3	595310	Units: %Re	C		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP		4.9		5.000		97.3	69	147			
Sample ID:	MB-76642	SampT	ype: ME	BLK	Tes	stCode: EF	PA Method	8015M/D: Die	esel Range	Organics	
Client ID:	PBS	Batch	ID: 76	642	F	RunNo: 98	3705				
Prep Date:	8/3/2023	Analysis D	ate: 8/	3/2023	:	SeqNo: 3	595311	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
iesel Range (Drganics (DRO)	ND	10								
0	e Organics (MRO)	ND	50	40.00			00	A 4 7			
Surr: DNOP		8.5		10.00		85.4	69	147			
Sample ID:	MB-76646	SampT	ype: ME	BLK	Tes	stCode: EF	PA Method	8015M/D: Die	esel Range	Organics	
Client ID:	PBS	Batch	ID: 76	646	F	RunNo: 98	3705				
Prep Date:	8/3/2023	Analysis D	ate: 8/	3/2023	;	SeqNo: 3	596177	Units: %Re	C		

Qualifiers:

Analyte

- * 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.

PQL

Result

B Analyte detected in the associated Method Blank

%REC

LowLimit

HighLimit

%RPD

- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range

RL Reporting Limit

SPK value SPK Ref Val

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RPDLimit

Qual

.

QC SUMMARY REPORT	WO#:	2308185
Hall Environmental Analysis Laboratory, Inc.		07-Aug-23

Client: Project:	ENSOLI SJ 29 7 9										
Sample ID: MB	-76646	SampT	уре: МЕ	BLK	Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	Organics	
Client ID: PBS	6	Batch	n ID: 76	646	F	RunNo: 9 8	3705				
Prep Date: 8/3	3/2023	Analysis D	0ate: 8/	3/2023	S	SeqNo: 3	596177	Units: %Rec	:		
Analyte		Result PQL SPK value			SPK Ref Val %REC		LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP		9.7		10.00		97.1	69	147			

Qualifiers:

- Value exceeds Maximum Contaminant Level. *
- D Sample Diluted Due to Matrix
- Н 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. S
- В Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

WO#:	2308185
	07 4

07-Aug-23

Client:ENSOProject:SJ 29 7													
Sample ID: 100ug gro Ics	SampType: LCS		TestCode: El	PA Method	8015D: Gasolir	ne Range							
Client ID: LCSS	Batch ID: R98690		RunNo: 9	8690									
Prep Date:	Analysis Date: 8/3/202	3	SeqNo: 3	594928	Units: mg/Kg								
Analyte	Result PQL SPF	K value SPK Re	f Val %REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual					
Gasoline Range Organics (GRO)	22 5.0	25.00	0 87.4	70	130								
Surr: BFB	2200	2200 1000 215 15 244											
Sample ID: mb	SampType: MBLK		TestCode: El	PA Method	8015D: Gasolir	ne Range							
Client ID: PBS	Batch ID: R98690		RunNo: 9	8690									
Prep Date:	Analysis Date: 8/3/202	3	SeqNo: 3	594929	Units: mg/Kg								
Analyte	Result PQL SPF	Kvalue SPK Re	f Val %REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual					
Gasoline Range Organics (GRO)	ND 5.0												
Surr: BFB	1000	1000	105	15	244								
Sample ID: 2308185-001am	s SampType: MS		TestCode: El	PA Method	8015D: Gasolir	ne Range							
Client ID: S-4a	Batch ID: R98690		RunNo: 98690										
Prep Date:	Analysis Date: 8/3/202	3	SeqNo: 3595289 Units: mg/Kg										
Analyte	Result PQL SPF	Kvalue SPK Re	f Val %REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual					
Gasoline Range Organics (GRO)	22 3.8	19.03 5.16	86.9	70	130								
Surr: BFB	1800	761.0	237	15	244								
Sample ID: 2308185-001am	sd SampType: MSD		TestCode: EPA Method 8015D: Gasoline Range										
Client ID: S-4a	Batch ID: R98690		RunNo: 9	8690									
Prep Date:	Analysis Date: 8/3/202	3	SeqNo: 3	595437	Units: mg/Kg								
Analyte	Result PQL SPF	Kvalue SPK Re	f Val %REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual					
Gasoline Range Organics (GRO)	21 3.8	19.03 5.16	60 81.8	70	130	4.59	20						
Surr: BFB	1700	761.0	229	15	244	0	0						
Sample ID: 2.5ug gro Ics	SampType: LCS		TestCode: El	PA Method	8015D: Gasolir	ne Range							
Client ID: LCSS	Batch ID: R98690		RunNo: 9	8690									
Prep Date:	Analysis Date: 8/3/202	3	SeqNo: 3	596291	Units: mg/Kg								
Analyte	Result PQL SPF	Kvalue SPK Re	f Val %REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual					
Gasoline Range Organics (GRO)	21 5.0	25.00	0 83.6	70	130								
Surr: BFB	2100	1000	207	15	244								
Sample ID: mb	SampType: MBLK		TestCode: El	PA Method	8015D: Gasolir	ne Range							
Client ID: PBS	Batch ID: R98690		RunNo: 9	8690									
Prep Date:	Analysis Date: 8/3/202	3	SeqNo: 3	596292	Units: mg/Kg								
Analyte	Result PQL SP	Kvalue SPK Re	f Val %REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual					
,					3								

Qualifiers:

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical 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

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2308185

07-Aug-23

WO#:

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

	ENSOLUM J 29 7 94 A											
Sample ID: mb	S	SampType:	MBLK	Tes	stCode: EF	PA Method	8015D: Gaso	line Range)			
Client ID: PBS		Batch ID:	R98690	RunNo: 98690								
Prep Date:	Ana	ysis Date:	8/3/2023	:	SeqNo: 3	596292	Units: mg/Kg					
Analyte	Re	sult PQ	L SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Gasoline Range Organics (GRO)	ND 5	.0									
Surr: BFB	ç	950	1000		95.0	15	244					

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical 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

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ENSOLUM

SJ 29 7 94 A

Client:

Project:

Client ID:

Toluene

Ethylbenzene

Xylenes, Total

Qualifiers:

D

Н

ND

PQL

S

Surr: 4-Bromofluorobenzene

Sample ID: 100ng btex lcs

LCSS

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

SampType: LCS

Batch ID: R98690

% Recovery outside of standard limits. If undiluted results may be estimated.

Value exceeds Maximum Contaminant Level.

Holding times for preparation or analysis exceeded

Sample Diluted Due to Matrix

Practical Quanitative Limit

Not Detected at the Reporting Limit

0.67

0.66

2.0

0.75

0.038

0.038

0.076

Prep Date:	Analysis [Date: 8/ ;	3/2023	S	SeqNo: 3	594931	Units: mg/K	g								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual						
Benzene	0.95	0.025	1.000	0	94.8	70	130									
Toluene	0.96	0.050	1.000	0	96.2	70	130									
Ethylbenzene	0.97	0.050	1.000	0	96.7	70	130									
Xylenes, Total	2.9	0.10	3.000	0	96.5	70	130									
Surr: 4-Bromofluorobenzene	0.97		1.000		96.7	39.1	146									
Sample ID: mb	Samp	Туре: МЕ	BLK	Tes	tCode: El	PA Method	8021B: Volati	iles								
Client ID: PBS	Batc	h ID: R9	8690	F	RunNo: 9	8690										
Prep Date:	Analysis [Date: 8/ 3	3/2023	S	SeqNo: 3	594932	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	ND	0.10														
Surr: 4-Bromofluorobenzene	0.95		1.000		95.2	39.1	146									
				TestCode: EPA Method 8021B: Volatiles												
Sample ID: 2308185-002ams	s Samp ⁻	Type: MS	;	Tes	tCode: EF	PA Method	8021B: Volati	iles								
Sample ID: 2308185-002ams Client ID: S-8a	•	Type: MS h ID: R9			tCode: El RunNo: 9		8021B: Volati	iles								
	•	h ID: R9	8690	F		8690	8021B: Volati Units: mg/K									
Client ID: S-8a	Batc	h ID: R9	8690	F	RunNo: 9 8	8690			RPDLimit	Qual						
Client ID: S-8a Prep Date:	Batc Analysis [h ID: R9 Date: 8/	8690 3/2023	F	RunNo: 98 SeqNo: 3	3690 595438	Units: mg/K	g	RPDLimit	Qual						
Client ID: S-8a Prep Date: Analyte	Batc Analysis I Result	h ID: R9 Date: 8/ PQL	8690 3/2023 SPK value	F SPK Ref Val	RunNo: 98 SeqNo: 38 %REC	3690 595438 LowLimit	Units: mg/K HighLimit	g	RPDLimit	Qual						
Client ID: S-8a Prep Date: Analyte Benzene	Batc Analysis I Result 0.70	h ID: R9 Date: 8/ PQL 0.019	8690 3/2023 SPK value 0.7570	F SPK Ref Val 0	RunNo: 98 SeqNo: 3 %REC 93.0	8690 595438 LowLimit 70	Units: mg/K HighLimit 130	g	RPDLimit	Qual						
Client ID: S-8a Prep Date: Analyte Benzene Toluene	Batc Analysis I Result 0.70 0.72	h ID: R9 Date: 8/ PQL 0.019 0.038	8690 3/2023 SPK value 0.7570 0.7570	F SPK Ref Val 0 0.01350	RunNo: 9 SeqNo: 3 <u>%REC</u> 93.0 93.5	3690 595438 LowLimit 70 70	Units: mg/K HighLimit 130 130	g	RPDLimit	Qual						
Client ID: S-8a Prep Date: Analyte Benzene Toluene Ethylbenzene	Batc Analysis I Result 0.70 0.72 0.72	h ID: R9 Date: 8/ <u>PQL</u> 0.019 0.038 0.038	8690 3/2023 SPK value 0.7570 0.7570 0.7570	F SPK Ref Val 0 0.01350 0	RunNo: 9 4 SeqNo: 3 5 <u>%REC</u> 93.0 93.5 95.2	3690 595438 LowLimit 70 70 70	Units: mg/K HighLimit 130 130 130	g	RPDLimit	Qual						
Client ID: S-8a Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total	Batc Analysis I Result 0.70 0.72 0.72 2.1 0.77	h ID: R9 Date: 8/ <u>PQL</u> 0.019 0.038 0.038	8690 3/2023 SPK value 0.7570 0.7570 0.7570 2.271 0.7570	F SPK Ref Val 0 0.01350 0 0.01885	RunNo: 98 SeqNo: 38 %REC 93.0 93.5 95.2 93.7 102	3690 595438 LowLimit 70 70 70 70 39.1	Units: mg/K HighLimit 130 130 130 130	g %RPD	RPDLimit	Qual						
Client ID: S-8a Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene	Batc Analysis I Result 0.70 0.72 0.72 2.1 0.77 3d Samp	h ID: R9 Date: 8 /3 PQL 0.019 0.038 0.038 0.076	8690 3/2023 SPK value 0.7570 0.7570 0.7570 2.271 0.7570	F SPK Ref Val 0 0.01350 0 0.01885 Tes	RunNo: 98 SeqNo: 38 %REC 93.0 93.5 95.2 93.7 102	3690 595438 LowLimit 70 70 70 70 70 39.1	Units: mg/K HighLimit 130 130 130 130 146	g %RPD	RPDLimit	Qual						
Client ID: S-8a Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID: 2308185-002ams	Batc Analysis I Result 0.70 0.72 0.72 2.1 0.77 3d Samp	h ID: R9 Date: 8 /3 PQL 0.019 0.038 0.038 0.076 Type: MS h ID: R9	8690 3/2023 SPK value 0.7570 0.7570 0.7570 2.271 0.7570 5D 8690	F SPK Ref Val 0 0.01350 0 0.01885 Tes F	RunNo: 98 SeqNo: 3 %REC 93.0 93.5 95.2 93.7 102 ttCode: Ef	3690 595438 LowLimit 70 70 70 70 39.1 PA Method 3690	Units: mg/K HighLimit 130 130 130 130 146	g %RPD	RPDLimit	Qual						
Client ID: S-8a Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID: 2308185-002ams Client ID: S-8a	Batc Analysis I Result 0.70 0.72 0.72 2.1 0.77 sd Samp Batc	h ID: R9 Date: 8 /3 PQL 0.019 0.038 0.038 0.076 Type: MS h ID: R9	8690 3/2023 SPK value 0.7570 0.7570 0.7570 2.271 0.7570 5D 8690	F SPK Ref Val 0 0.01350 0 0.01885 Tes F	RunNo: 98 SeqNo: 38 %REC 93.0 93.5 95.2 93.7 102 ttCode: EF	3690 595438 LowLimit 70 70 70 70 39.1 PA Method 3690	Units: mg/K HighLimit 130 130 130 130 146 8021B: Volati	g %RPD	RPDLimit	Qual						

TestCode: EPA Method 8021B: Volatiles

RunNo: 98690

0.01350

0.01885

0

0.7570

0.7570

2.271

0.7570

в Analyte detected in the associated Method Blank

86.2

87.1

86.7

99.3

70

70

70

39.1

130

130

130

146

7.95

8.89

7.75

0

Е Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

Sample pH Not In Range Р

RL Reporting Limit Page 15 of 16

20

20

20 0

WO#: 2308185

07-Aug-23

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

WO#:	230	8185
	o = 1	

07-Aug-23

Client:	ENSOLUM
Project:	SJ 29 7 94 A

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Sample ID: 100ng btex lcs	Samp	Туре: LC	s	Tes	tCode: EF	A Method	8021B: Volati	les		
Client ID: LCSS	Batc	h ID: R9	8690	F	RunNo: 98	3690				
Prep Date:	Analysis I	Date: 8/3	3/2023	Ş	SeqNo: 3	596324	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.94	0.025	1.000	0	94.3	70	130			
Toluene	0.96	0.050	1.000	0	96.3	70	130			
Ethylbenzene	0.97	0.050	1.000	0	97.2	70	130			
Xylenes, Total	2.9	0.10	3.000	0	97.2	70	130			
Surr: 4-Bromofluorobenzene	0.95		1.000		95.4	39.1	146			
Sample ID: mb	Samp	Туре: МЕ	LK	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID: PBS	Batc	h ID: R9		F	RunNo: 98					
Client ID: PBS Prep Date:	Batc Analysis I		8690		RunNo: 98 SeqNo: 3 8	3690	Units: mg/K			
-			8690 3/2023			3690	Units: mg/K HighLimit		RPDLimit	Qual
Prep Date:	Analysis I	Date: 8/ :	8690 3/2023	S	SeqNo: 3	3690 596325	•	g	RPDLimit	Qual
Prep Date: Analyte	Analysis I Result	Date: 8/: PQL	8690 3/2023	S	SeqNo: 3	3690 596325	•	g	RPDLimit	Qual
Prep Date: Analyte Benzene	Analysis I Result ND	Date: 8/: PQL 0.025	8690 3/2023	S	SeqNo: 3	3690 596325	•	g	RPDLimit	Qual
Prep Date: Analyte Benzene Toluene	Analysis I Result ND ND	Date: 8/: PQL 0.025 0.050	8690 3/2023	S	SeqNo: 3	3690 596325	•	g	RPDLimit	Qual

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical 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

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HALL ENVIRONMENTAL ANALYSIS LABORATORY	Hall Environmental Alb TEL: 505-345-3972 Website: www.ha	4901 1 uquerque 5 FAX: 50	Hawkins NE , NM 87109)5-345-4107	San	nple Log-In Check List	•
Client Name: ENSOLUM	Work Order Number	: 23081	85		RcptNo: 1	
Received By: Tracy Casarrubias Completed By: Tracy Casarrubias Reviewed By: SCM 08/03/23	8/3/2023 6:20:00 AM 8/3/2023 6:50:25 AM					
Reviewed By. SOTT US/US/*S						
Chain of Custody					_	
1. Is Chain of Custody complete?		Yes [No 🗹	Not Present	
2. How was the sample delivered?		Courie	r			
<u>Log In</u> 3. Was an attempt made to cool the samples?		Yes		No 🗌		
4. Were all samples received at a temperature of	of >0° C to 6.0°C	Yes		No 🗌	NA	
5. Sample(s) in proper container(s)?		Yes		No 🗌		
6. Sufficient sample volume for indicated test(s)	?	Yes 🛽		No 🗌		
7. Are samples (except VOA and ONG) properly		Yes	2	No 🗌		
8. Was preservative added to bottles?		Yes [No 🗹	NA 🗌	
9. Received at least 1 vial with headspace <1/4		Yes	7	No 🗌	NA 🗹	
10. Were any sample containers received broker		Yes	_	No 🗹		
	-	100		. —	# of preserved bottles checked	/
 Does paperwork match bottle labels? (Note discrepancies on chain of custody) 		Yes 🛛		No 🗌	for pH: (<2 or >12 unless noted)	
12. Are matrices correctly identified on Chain of C	Custody?	Yes 🛽		No 🗌	Adjusted?	
13. Is it clear what analyses were requested?		Yes		No 🗌	1,12,62	
 Were all holding times able to be met? (If no, notify customer for authorization.) 		Yes 🛽		No 🗌	enecked by: 1/1 8 3 23	
Special Handling (if applicable)						
15. Was client notified of all discrepancies with t	his order?	Yes [No 🗌	NA 🗹	
Person Notified:	Date:					
By Whom:	Via:	🗌 eMail	I 🗌 Phone	e 🗌 Fax	In Person	
Regarding:						AM
Client Instructions: Phone number is	missing on COC - TMC	8/3/23				4:35
16. Additional remarks:						1:1
17. Cooler InformationCooler NoTemp °CConditionSet15.0GoodYes		Seal Dat	e Sigr	ned By		: 1/3/2024 1
Page 1 of 1						Released to Imaging: 1/3/2024 11:14:35 AM

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Page 158 of 159	ENVTRONMENTAL	LABORATORY	E	Albuqueraue. NM 87109	1107																							C. M. al	
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	HALL	ANALYSIS	www.	4901 Hawkins NE	Tel. 505-345-3975		-	SM	IS0	728	_			SHAC							-			\vdash			2		
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	Turn-Around Time:	□ Standard	Project Nan	S	Project #:		Project Manager:			Sampler:	On Ice:	Cooler Temp		Container Type and #	1402	-							1				Received by:	Received by:	
Received by OCD: 11/6/2023 9:44:10 AM	Chain-of-Custody Record	727 -		S Aio Grande	7410		fi a ensolum. c		Level 4 (Full Validation)	□ Az Compliance				Sample Name	S-4a	5- 8-2	01-5	5-11	でょうう	5-13	5-14	5-15	S-16				ed by:	Inquished by:	
D: 11/6/20.	n-of-C	ENSOLUM		Mailing Address: 606 5 A ;0	A & 7	N N	email or Fax#: Colapor			D Az C				Matrix	\sim	5	ζ	~ ~	<u>د</u> ر	5	2	5	*	÷.				Re	t
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possibility. Any sub-contracted data will be clearly notated on the analytical report. 5 3 Ð Đ ₽ ġ 5 Released to Imaging, 1/3/2024 11:14:35 ANN

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

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

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

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

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

CONDITIONS

Operator:	OGRID:
Enterprise Field Services, LLC	241602
PO Box 4324	Action Number:
Houston, TX 77210	282875
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By		Condition Date
nvelez	None	1/3/2024

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Action 282875