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

State of New Mexico Energy Minerals and Natural Resources Department

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

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

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

			Resp	onsible Part	y				
Responsible	Party: Ente	rprise Field Ser	vices, LLC	OGRID: 2	241602				
Contact Nam	ne: Thomas	Long		Contact T	elephone: 505-599-228	6			
Contact ema	il: tjlong@e j	prod.com		Incident #	Incident # (assigned by OCD) NAPP2221727230				
Contact mail 87401	ing address:	614 Reilly Ave,	Farmington, N	M					
			Location	of Release S	ource				
Latitude 36.5	597674		Longitude	-107.776343	(NAD 83 in de	ecimal degrees to 5 decimal places)			
Site Name La	ateral C-28			Site Type	Natural Gas Gatherin	g Pipeline			
Date Release Discovered: 08/04/2022				Serial Nun	Serial Number (if applicable): N/A				
Unit Letter	Section	Township	Range	Cour	nty				
N	3	27N	9W	San J	uan				
Surface Owner	r: State		ribal Private (A	Name: BLM)			
	_		_ `	Volume of 1	Dalaasa	,			
Crude Oil		l(s) Released (Select al Volume Release		calculations or specific	Volume Recovered (b)				
Produced Water Volume Released (bbls)					Volume Recovered (bbls)				
Is the concentration of dissolved chloric produced water >10,000 mg/l?				hloride in the	Yes No				
Condensa	ite		d (bbls): Estimat	ted 5-10 BBLs	Volume Recovered (b	bls): None			
Natural G	ias	Volume Release	d (Mcf): 28 MCF	1	Volume Recovered (Mcf): None				
Other (de	scribe)	Volume/Weight	Released (provide	units):	Volume/Weight Reco	vered (provide units)			

Cause of Release: On July 5, 2022, Enterprise had a release of natural gas from the Lateral C-28 pipeline. The pipeline was isolated, depressurized, locked and tagged out. No liquids were released to the ground surface. No washes were affected. No fire nor injuries occurred. Due to the road conditions, Enterprise began repairs and remediation on August 4, 2022 at which time determined that this release was reportable per NMOCD regulation due to the volume of impacted subsurface soil. Remediation and repairs were completed on August 12, 2022. The final excavation dimensions measured approximately 27.5 feet long by 18 feet wide by 14 feet deep. A total of 392 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.

Page 2 of 69

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

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

A scaled site and sampling diagram as described in 19.15.29.11 NMAC	
Photographs of the remediated site prior to backfill or photos of the liner is must be notified 2 days prior to liner inspection)	ntegrity if applicable (Note: appropriate OCD District office
☐ Laboratory analyses of final sampling (Note: appropriate ODC District offi	ce 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 and regulations all operators are required to report and/or file certain release noti may endanger public health or the environment. The acceptance of a C-141 reposhould their operations have failed to adequately investigate and remediate conta human health or the environment. In addition, OCD acceptance of a C-141 reposition compliance with any other federal, state, or local laws and/or regulations. The restore, reclaim, and re-vegetate the impacted surface area to the conditions that accordance with 19.15.29.13 NMAC including notification to the OCD when recompliance.	fications and perform corrective actions for releases which ret by the OCD does not relieve the operator of liability mination that pose a threat to groundwater, surface water, it does not relieve the operator of responsibility for sponsible party acknowledges they must substantially existed prior to the release or their final land use in
Printed Name: Thomas Long Title: Senior B	Environmental Scientist
Signature:	Date: <u>6-12-2023</u>
email: tjlong@eprod.com Telephone: (505) 599-2286
OCD Only	
Received by: Date	:
Closure approval by the OCD does not relieve the responsible party of liability sharemediate contamination that poses a threat to groundwater, surface water, human party of compliance with any other federal, state, or local laws and/or regulations	health, or the environment nor does not relieve the responsible
Closure Approved by: Nelson Velez Da	te:
Printed Name: Nelson Velez T	tle: Environmental Specialist – Adv



CLOSURE REPORT

Property:

Lateral C-28 (08/04/22) Unit Letter N, S3 T27N R9W San Juan County, New Mexico

New Mexico EMNRD OCD Incident ID No. NAPP2221727230

November 1, 2022

Ensolum Project No. 05A1226197

Prepared for:

Enterprise Field Services, LLC

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

Prepared by:

Ranee Deechilly Project Manager Kyle Summers Senior Managing Geologist Enterprise Field Services, LLC Lateral C-28 (08/04/22)

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1.0 INTRODUCTION

Enterprise Field Services, LLC Lateral C-28 (08/04/22)

1.1 Site Description & Background

Operator:	Enterprise Field Services, LLC / Enterprise Products Operating LLC (Enterprise)
Site Name:	Lateral C-28 (08/04/22) (Site)
NM EMNRD OCD Incident ID No.	NAPP2221727230
Location:	36.597674° North, 107.776343° West Unit Letter N, Section 3, Township 27 North, Range 9 West San Juan County, New Mexico
Property:	United States Bureau of Land Management (BLM)
Regulatory:	New Mexico (NM) Energy, Minerals and Natural Resources Department (EMNRD) Oil Conservation Division (OCD)

On July 5, 2022, Enterprise personnel discovered of a release of natural gas from the Lateral C-28 pipeline. Enterprise personnel subsequently isolated and locked the pipeline out of service. On August 4, 2022, Enterprise initiated activities to repair the pipeline and remediate potential petroleum hydrocarbon impact. After initiating excavation activities, 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 Public Land Survey System (PLSS) section as the Site or in adjacent sections (Figure A, Appendix B).
- Two cathodic protection wells (CPWs) were identified in the NM EMNRD OCD imaging database in the same PLSS section as the Site, and six CPWs were identified in the adjacent



Lateral C-28 (08/04/22)

PLSS sections. Figure B (Appendix B). The record for the cathodic protection well located near the Hughes #10A and Turner Hughes #5 well locations indicates a depth to water of approximately 175 feet bgs. This cathodic protection well is approximately 0.6 miles north of the Site and is approximately 580 feet higher in elevation than the Site. The record for the cathodic protection well located near the Turner Hughes #14A well location indicates a depth to water of approximately 120 feet bgs. This cathodic protection well is approximately 0.7 miles west of the Site and is approximately 130 feet higher in elevation than the Site. The record for the cathodic protection well located near the Turner Hughes #14 well location indicates a depth to water of approximately 130 feet bgs. This cathodic protection well is approximately 0.8 miles northwest of the Site and is approximately 185 feet higher in elevation than the Site. The record for the cathodic protection well located near the Turner Hughes #15 and #19 well locations indicates a depth to water of approximately 180 feet bgs. This cathodic protection well is approximately 0.8 miles northeast of the Site and is approximately 50 feet lower in elevation than the Site. The record for the cathodic protection well located near the Turner Hughes #21-A well location indicates "damp" at approximately 80 feet bgs. This cathodic protection well is approximately 1.2 miles northwest of the Site and is approximately 870 feet higher in elevation than the Site. The record for the cathodic protection well located near the Turner Hughes #16, #13, and #10 well locations indicates a depth to water of approximately 145 feet bgs. This cathodic protection well is approximately 1.3 miles southeast of the Site and is approximately 230 feet lower in elevation than the Site. The record for the cathodic protection well located near the Storey C#11 well location indicates a depth to water of approximately 360 feet bgs. This cathodic protection well is approximately 1.6 miles northeast of the Site and is approximately 570 feet higher in elevation than the Site. The record for the cathodic protection well located near the Hancock A #1A well location indicates a "seep" at approximately 100 feet bgs. This cathodic protection well is approximately 1.6 miles northeast of the Site and is approximately 270 feet lower in elevation than the Site.

- The Site is located within 300 feet of a NM EMNRD OCD-defined continuously flowing watercourse or significant watercourse (Figure C, Appendix B).
- The Site is 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 freshwater 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, the applicable closure criteria for soils remaining in place at the Site include:

Tier I Closure Criteria for Soils Impacted by a Release									
Constituent ¹	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).

3.0 SOIL REMEDIATION ACTIVITIES

On August 4, 2022, Enterprise initiated activities to remediate petroleum hydrocarbon impact resulting from the release. During the remediation and corrective action activities, OFT Construction Inc (OFT), provided heavy equipment and labor support, while Ensolum provided environmental consulting support.

The final excavation measured approximately 27.5 feet long and 18 feet wide at the maximum extents. The maximum depth of the excavation measured approximately 14 feet bgs. The lithology encountered during the completion of remediation activities consisted primarily of unconsolidated silty sandy clay underlain by sandstone.

Approximately 392 cubic yards (yd³) of petroleum hydrocarbon-affected soils and 65 barrels (bbls) of hydro-excavation soil cuttings and water were transported to the Envirotech, Inc., (Envirotech) landfarm near Hilltop, NM for disposal/remediation. The executed C-138 solid waste acceptance form is provided in **Appendix C**. The excavation was backfilled with imported fill and then contoured to the surrounding topography.

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

4.0 SOIL SAMPLING PROGRAM

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

Ensolum's soil sampling program included the collection of 11 composite soil samples (S-1 through S-11) from the excavation 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



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).

Page 4

Section D of 19.15.29.12 NMAC. A backhoe, operated by OFT was utilized to obtain fresh aliquots from each area of the excavation. Regulatory correspondence is provided in **Appendix E**.

First Sampling Event

On August 12, 2022, sampling was performed at the Site. The NM EMNRD OCD and BLM were notified of the sampling event although no representatives were present during sampling activities. Composite soil samples S-1 (12'-14'), S-2 (12'-14"), and S-3 (12'-14") were collected from the floor of the excavation. Composites soil samples S-4 (0'-12'), S-5 (0'-12'), S-6 (0'-12'), S-7 (0'-14'), S-8 (0'-14'), S-9 (0'-14'), S-10 (0'-14'), and S-11 (0'-12') 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 BTEX, TPH, and chloride laboratory analytical results associated with the composite soil samples (S-1 through S-11) to the NM EMNRD OCD Tier I closure criteria. In the event that the laboratory did not quantify a result for BTEX or chloride, Ensolum compared the laboratory supplied practical quantitation limits (PQLs) / reporting limits (RLs) to the NM EMNRD OCD closure criteria. Due to the high PQLs/RLs associated with the TPH MRO range when using EPA SW-846 Method #8015, Ensolum only compared the quantified results to the NM EMNRD OCD closure criteria.

- The laboratory analytical result for composite soil sample S-3 indicates a benzene concentration of 0.015 mg/kg, which is below the applicable NM EMNRD OCD criteria of 10 mg/kg. The laboratory analytical results for all other composite soil samples indicate benzene is not present at concentrations greater than the laboratory PQLs/RLs, which are less than the applicable NM EMNRD OCD criteria of 10 mg/kg.
- The laboratory analytical results for composite soil samples S-3, S-4, S-5, S-8, and S-9 indicate total BTEX concentrations ranging from 0.046 mg/kg (S-4) to 0.33 mg/kg (S-8), which are less than the applicable NM EMNRD OCD closure criteria of 50 mg/kg. The laboratory analytical results for all other composite soil samples indicate that total BTEX is not present in concentrations greater than the laboratory PQLs/RLs, which are less than the applicable NM EMNRD OCD closure criteria of 50 mg/kg.
- The laboratory analytical results for composite soil samples S-7 and S-11 indicate combined TPH GRO/DRO/MRO concentrations of 34 mg/kg and 66 mg/kg, respectively, which are less than the applicable NM EMNRD OCD closure criteria of 100 mg/kg. The laboratory analytical results for all other composite soil samples indicate combined TPH GRO/DRO/MRO is not



present in concentrations greater than the laboratory PQLs/RLs, which are less than the applicable NM EMNRD OCD closure criteria of 100 mg/kg.

• The laboratory analytical results for composite soil samples S-1, S-2, S-3, and S-8 through S-11 indicate total chloride concentrations ranging from 79 mg/kg (S-10) to 110 mg/kg (S-8), which are less than the applicable NM EMNRD OCD closure criteria of 600 mg/kg. The laboratory analytical results for all other composite soil samples indicate chloride is not present at concentrations greater than the laboratory PQLs/RLs, which are less than the applicable NM EMNRD OCD criteria of 600 mg/kg.

7.0 RECLAMATION AND REVEGETATION

The excavation was backfilled with imported fill and then contoured to the surrounding topography. Enterprise will re-seed the Site with an approved seeding mixture.

8.0 FINDINGS AND RECOMMENDATION

- Eleven composite soil samples were collected from the Site. Based on laboratory analytical results, no benzene, BTEX, chloride, or combined TPH GRO/DRO/MRO exceedances were identified in the soils remaining at the Site.
- Approximately 392 yd³ of petroleum hydrocarbon-affected soils and 65 bbls of hydroexcavation soil cuttings and water were transported to the Envirotech landfarm for disposal/remediation. The excavation was backfilled with imported fill and then contoured to the surrounding topography.

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.



Page 6

9.3 Reliance

Enterprise Field Services, LLC Lateral C-28 (08/04/22)

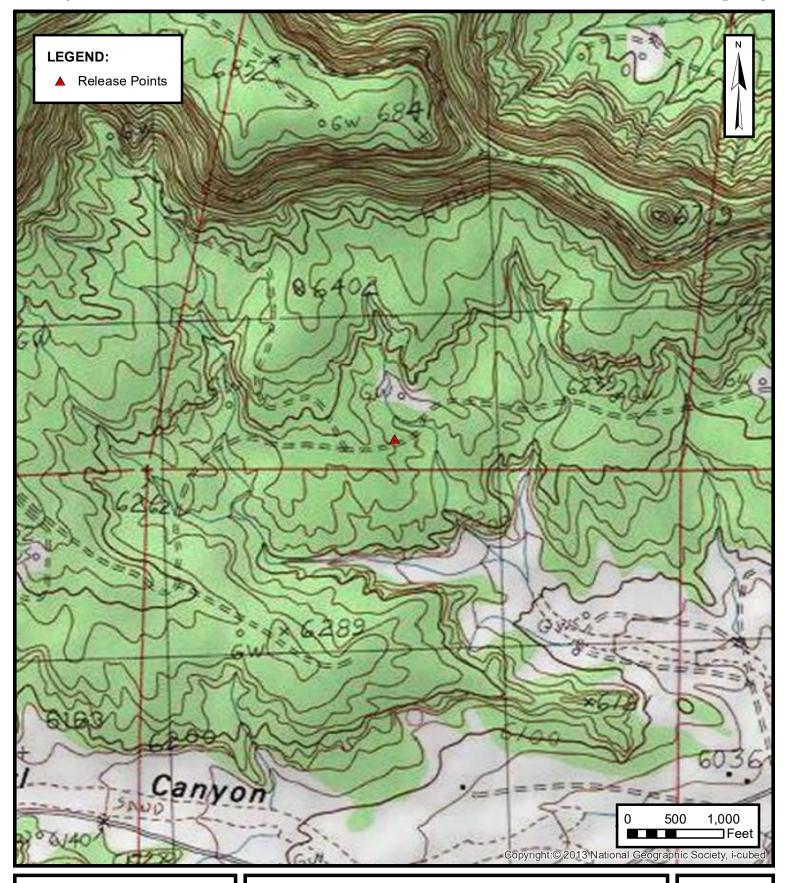
This report has been prepared for the exclusive use of Enterprise, and any authorization for use or reliance by any other party (except a governmental entity having jurisdiction over the Site) is prohibited without the express written authorization of Enterprise and Ensolum. Any unauthorized distribution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





APPENDIX A

Figures





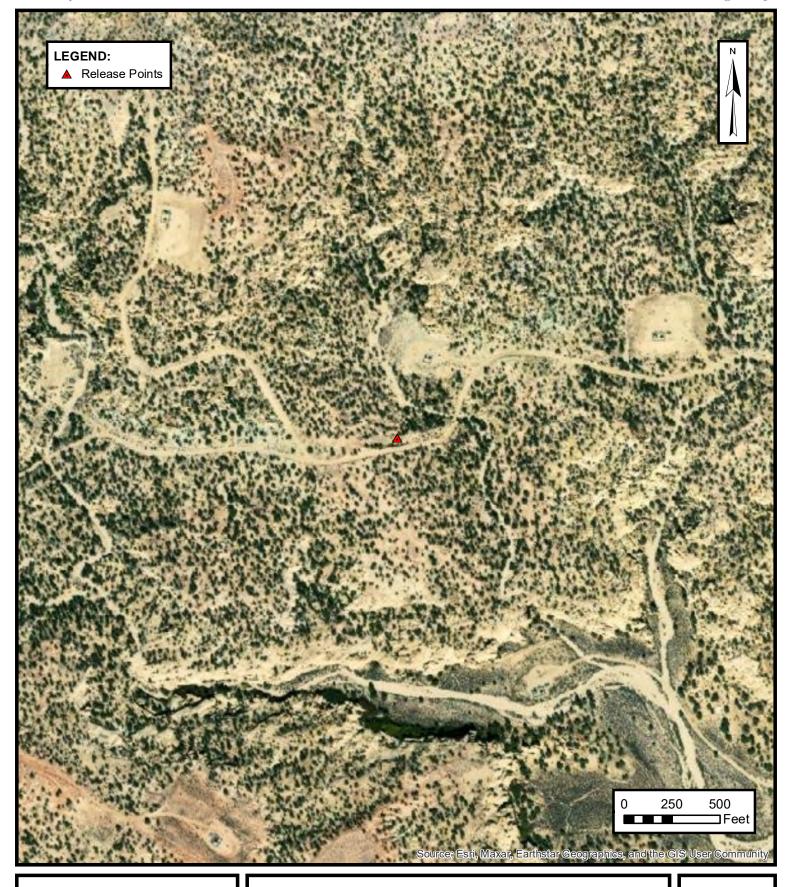
TOPOGRAPHIC MAP

ENTERPRISE FIELD SERVICES, LLC LATERAL C-28 (08/04/22) Unit Letter N, S3 T27N R9W, San Juan County, New Mexico 36.597674° N, 107.776343° W

PROJECT NUMBER: 05A1226197

FIGURE

1





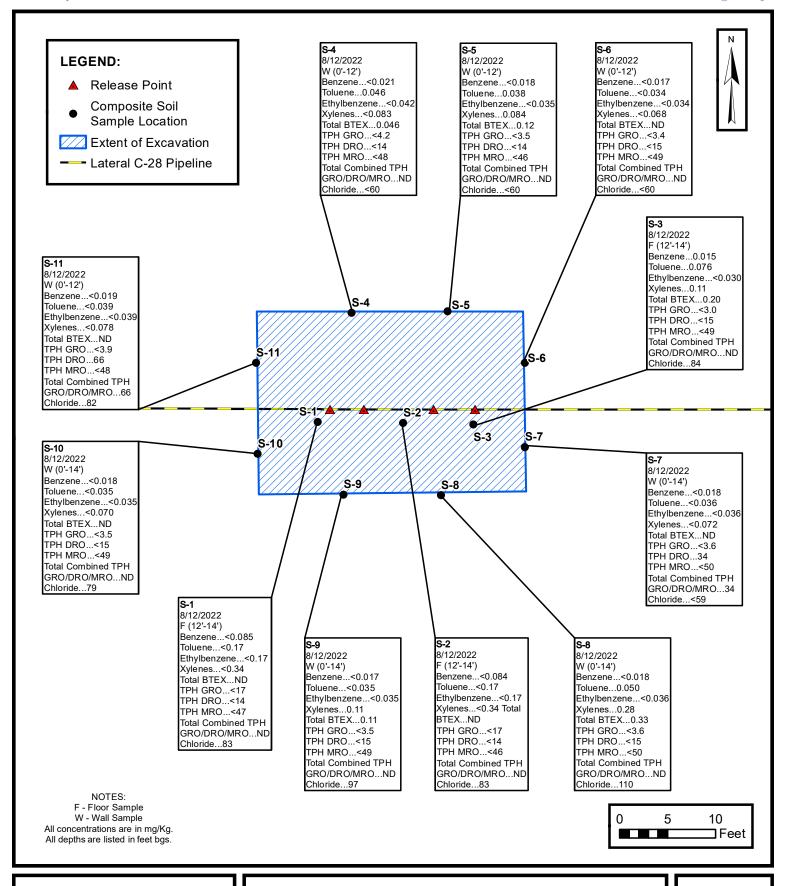
SITE VICINITY MAP

ENTERPRISE FIELD SERVICES, LLC LATERAL C-28 (08/04/22) Unit Letter N, S3 T27N R9W, San Juan County, New Mexico 36.597674° N, 107.776343° W

PROJECT NUMBER: 05A1226197

FIGURE

2





SITE MAP WITH SOIL ANALYTICAL RESULTS

ENTERPRISE FIELD SERVICES, LLC LATERAL C-28 (08/04/22) Unit Letter N, S3 T27N R9W, San Juan County, New Mexico

Unit Letter N, S3 T27N R9W, San Juan County, New Mexic 36.597674° N, 107.776343° W

PROJECT NUMBER: 05A1226197

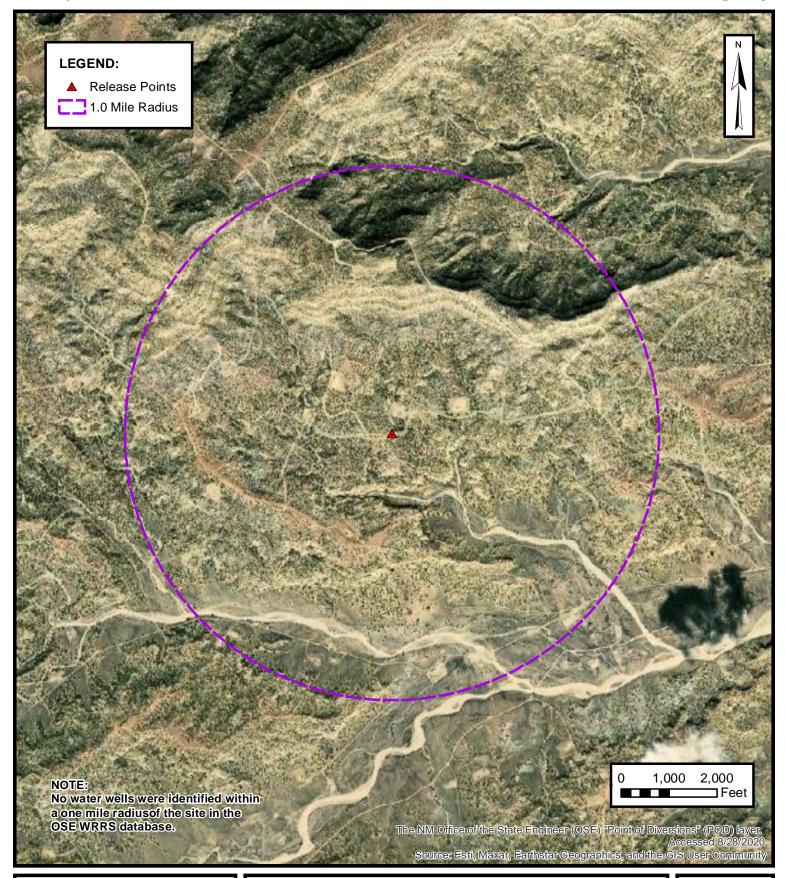
FIGURE

3

ENSOLUM

APPENDIX B

Siting Figures and Documentation





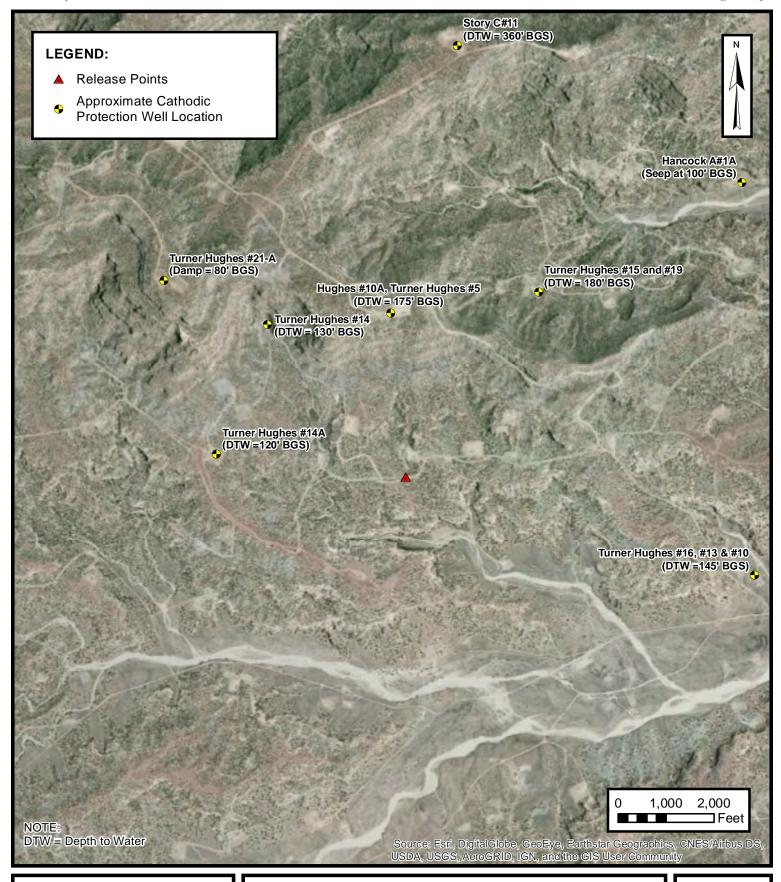
1.0 MILE RADIUS WATER WELL/ POD LOCATION MAP

ENTERPRISE FIELD SERVICES, LLC LATERAL C-28 (08/04/22) Unit Letter N, S3 T27N R9W, San Juan County, New Mexico 36.597674° N, 107.776343° W

PROJECT NUMBER: 05A1226197

FIGURE

A





CATHODIC PROTECTION WELL RECORDED DEPTH TO WATER

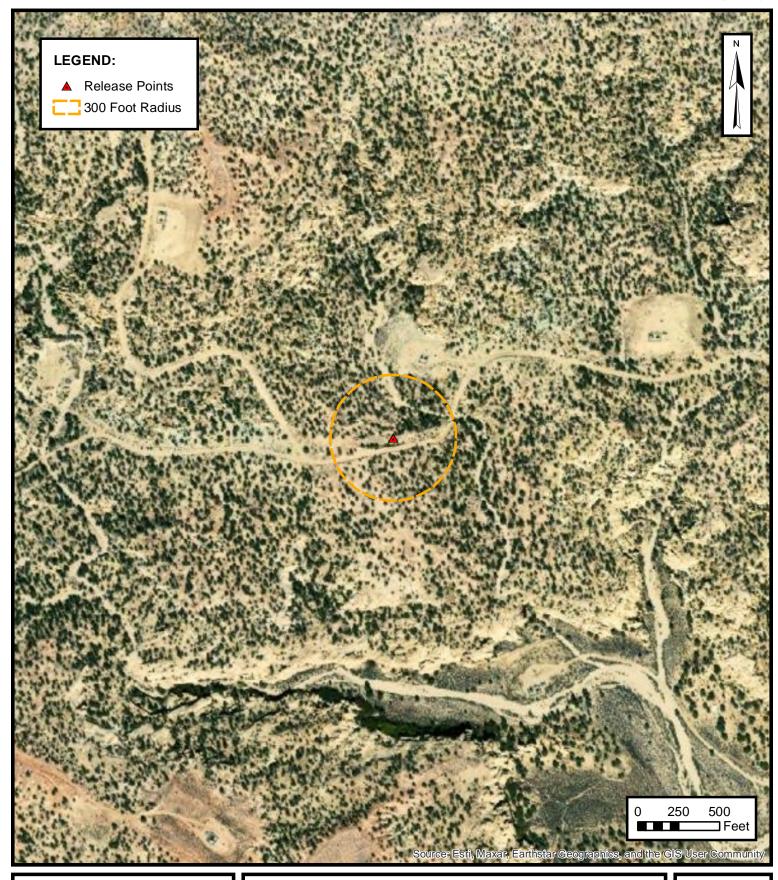
ENTERPRISE FIELD SERVICES, LLC LATERAL C-28 (08/04/22)

Unit Letter N, S3 T27N R9W, San Juan County, New Mexico 36.597674° N, 107.776343° W

PROJECT NUMBER: 05A1226197

FIGURE

B





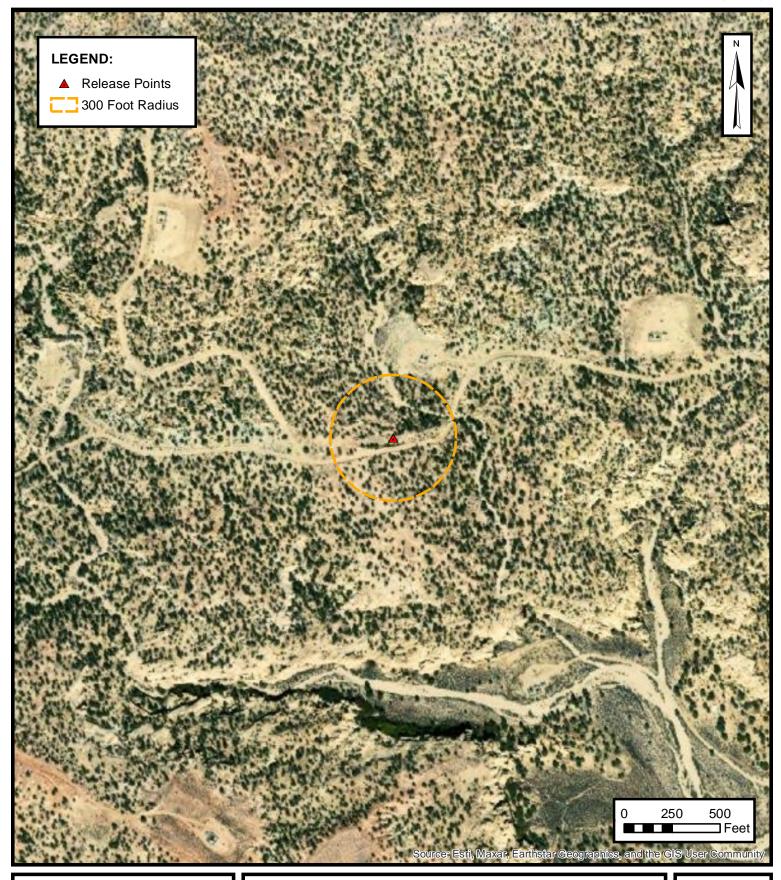
300 FOOT RADIUS WATERCOURSE AND DRAINAGE IDENTIFICATION

ENTERPRISE FIELD SERVICES, LLC LATERAL C-28 (08/04/22) Unit Letter N, S3 T27N R9W, San Juan County, New Mexico 36.597674° N, 107.776343° W

PROJECT NUMBER: 05A1226197

FIGURE

Released to Imaging: 6/13/2023 7:49:31 AM





300 FOOT RADIUS OCCUPIED STRUCTURE IDENTIFICATION

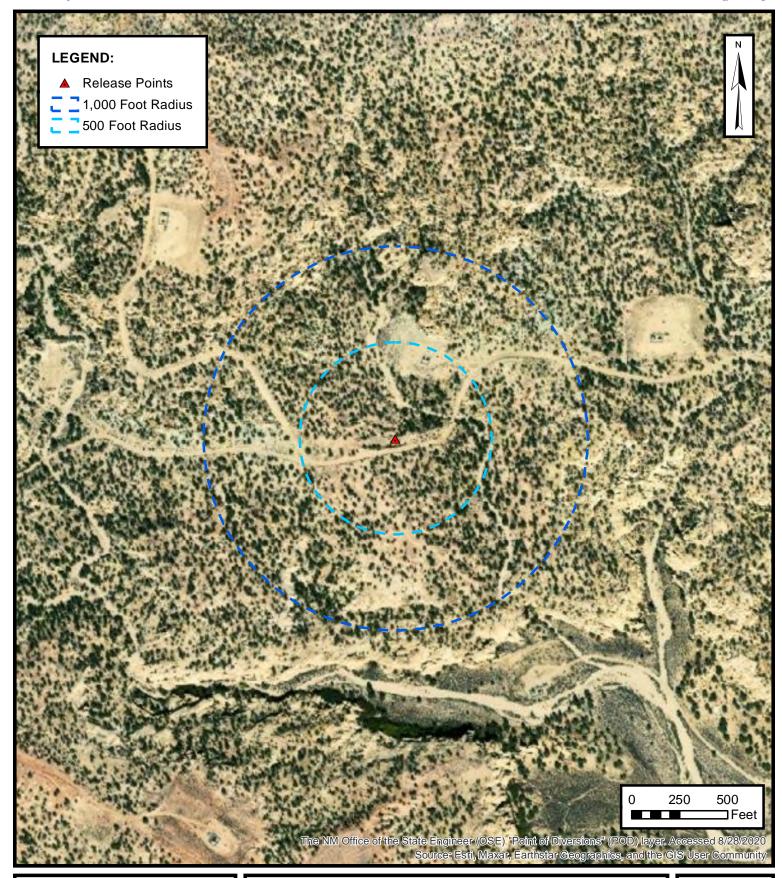
ENTERPRISE FIELD SERVICES, LLC LATERAL C-28 (08/04/22) Unit Letter N, S3 T27N R9W, San Juan County, New Mexico

Unit Letter N, S3 12/N R9W, San Juan County, New Mexico 36.597674° N, 107.776343° W

PROJECT NUMBER: 05A1226197

FIGURE

D





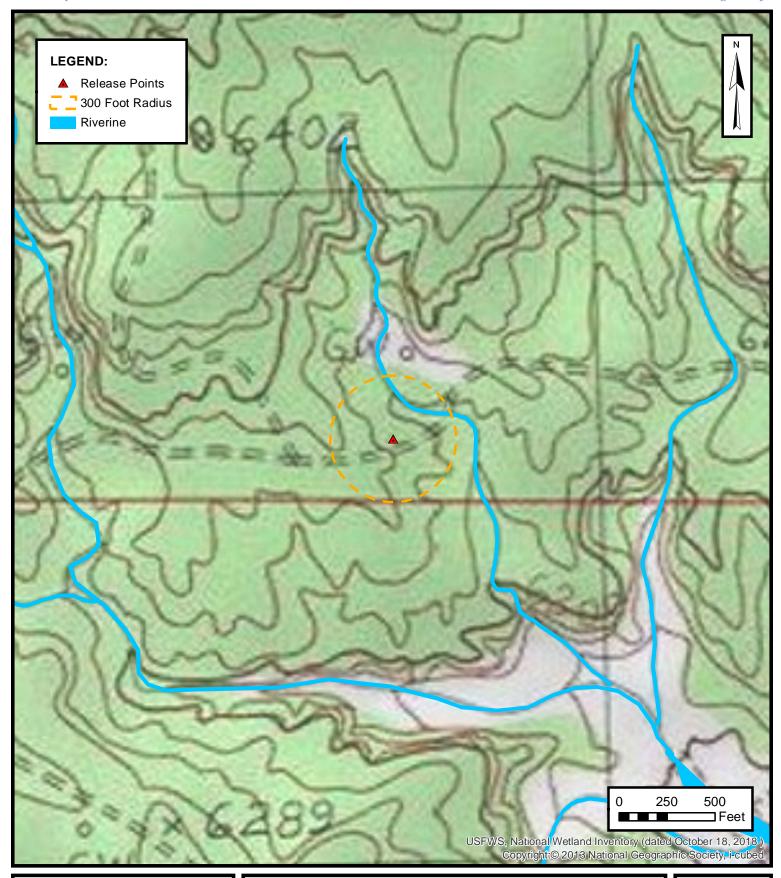
WATER WELL AND NATURAL SPRING LOCATION

ENTERPRISE FIELD SERVICES, LLC LATERAL C-28 (08/04/22) Unit Letter N, S3 T27N R9W, San Juan County, New Mexico 36.597674° N, 107.776343° W

PROJECT NUMBER: 05A1226197

FIGURE

E





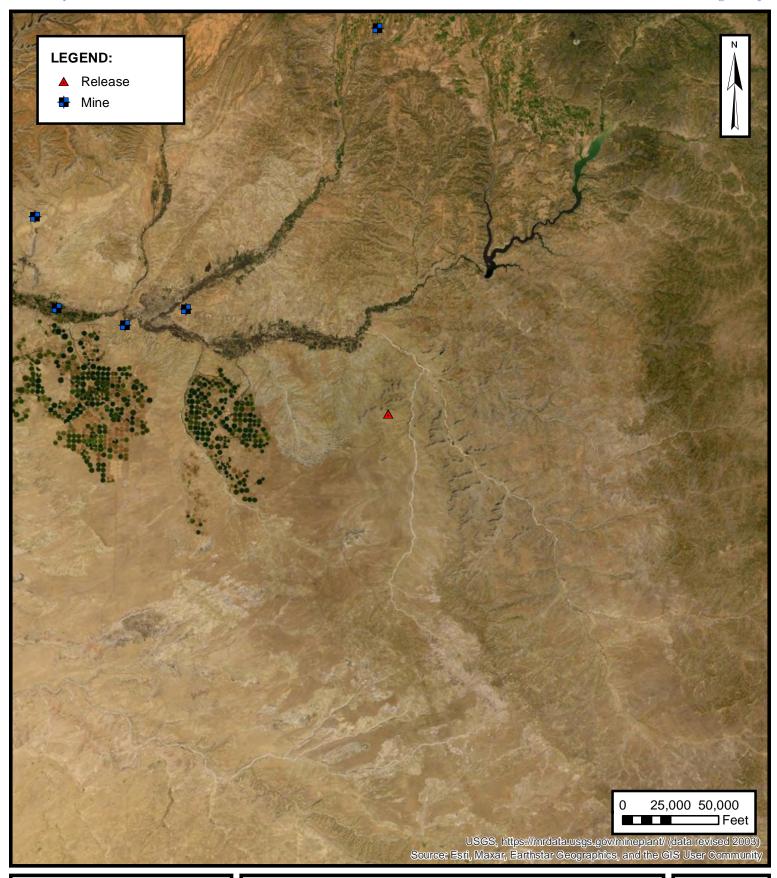
WETLANDS

ENTERPRISE FIELD SERVICES, LLC LATERAL C-28 (08/04/22) Unit Letter N, S3 T27N R9W, San Juan County, New Mexico 36.597674° N, 107.776343° W

PROJECT NUMBER: 05A1226197

FIGURE

F





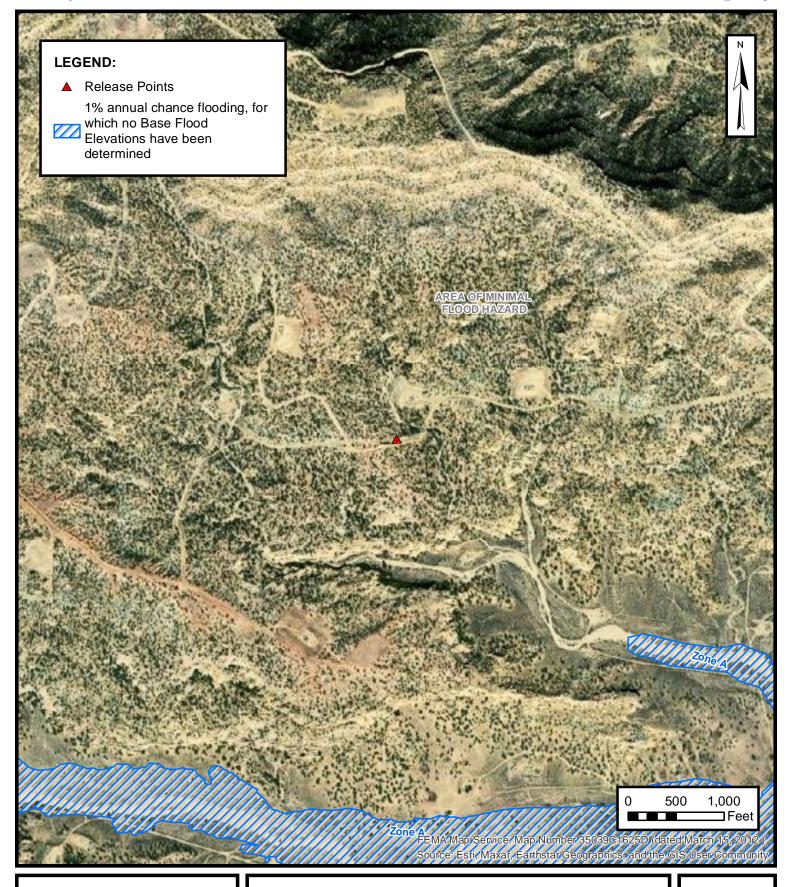
MINES, MILLS AND QUARRIES

ENTERPRISE FIELD SERVICES, LLC LATERAL C-28 (08/04/22) Unit Letter N, S3 T27N R9W, San Juan County, New Mexico 36.597674° N, 107.776343° W

PROJECT NUMBER: 05A1226197

FIGURE

G





100-YEAR FLOOD PLAIN MAP

ENTERPRISE FIELD SERVICES, LLC LATERAL C-28 (08/04/22) Unit Letter N, S3 T27N R9W, San Juan County, New Mexico 36.597674° N, 107.776343° W

PROJECT NUMBER: 05A1226197

FIGURE

Н



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

No records found.

PLSS Search:

Section(s): 3, 2, 4, 9, 10, 11 **Township:** 27N **Range:** 09W



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

No records found.

PLSS Search:

Section(s): 33, 34, 35 Township: 28N Range: 09W

13-30-045-06683 10-30-045-06710 16-30-045-11874 DATA SHEET FOR DEEP GROUND BED CATHODIC. PROTECTION WELLS NORTHWESTERN NEW MEXICO

Operator Mecidian Oil Location	n: Unit // Sec. // Twn 27 Rng (
Name of Well/Wells.or Pipeline Serviced	
#13 ~ #10	THE TRUCKES # 16
Elevation Completion DateTotal	DepthLand Type
Casing Strings, Sizes, Types & Depths 9	9' of 8" PUC surface
CASIN 6	
If Casing Strings are cemented, show amounts 25 bacs cement	s & types used Yes with
If Cement or Bentonite Plugs have been place	ed, show depths & amounts used
Depths & thickness of water zones with desc	ription of water: Fresh. Clear.
Salty, Sulphur, Etc. Damp 145'	
Depths gas encountered: No	
Ground bed depth with type & amount of coke 6500 lbs Loresco Type Sw	breeze used: 474 with
Depths anodes placed: 455,445,410,340,330,300,29	0,280,255,245;235,225,215,205-195
Depths vent pipes placed: 474	
Vent pipe perforations: bottom 320'	oeceived
Remarks:	IN JAN 2 0 1565
	OIL COM, IDAY
	DIST. 3

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

DATE: 5/9/96

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

Operator Meridian Oil INC. Location: Unit A Sec. 03Twp 27 Rng 09
Name of Well/Wells or Pipeline Serviced 30-045-06892
Turner Hughes #15 Aud#19 30-045-21603
Elevation 6/92 Completion Date 5/9/96 Total Depth 435 Land Type F
Casing Strings, Sizes, Types & Depths 5/8 Set 59' Of 8" PVC CASING.
NO GAS, WATER, OF Boulders Were ENCOUNTERED DUTING CASING.
If Casing Strings are cemented, show amounts & types used <u>Cemented</u>
WITH 15 SACKS.
If Cement or Bentonite Plugs have been placed, show depths & amounts used
Nove
Depths & thickness of water zones with description of water: Fresh, Clear,
Salty, Sulphur, Etc. Hit. Fresh Water AT 180.
Depths gas encountered: Nove
Ground bed depth with type & amount of coke breeze used: <u>#35 DepTH</u> .
Used 110 SACKS OF ASbury 218R (5500#)
Depths anodes placed: 405,395,385,376,365,355,345,335,296,286,265,240,225,215,+195
Depths vent pipes placed: Surface To 435, Dominion
Vent pipe perforations: Bottom 300.
Remarks:
OIL GOW. 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.

CPS GROUND SED CONSTRUCTION WORKSHEET

2916-W	MECCO. NUMBE	Turn	ver Hughes	5 #15 AND #19
2E23 TOTAL	11.66	33.0		5/9/94 JOHN L. MO
EMBUKB (Deser to		11an 1ag) «	Driller Re	DetTed WATER OF 19-
INSTAlled	435 of	1" PE Ve	WT Pipe	WITH THE POTTON
300 Perfo	FATED.	Coke Br	eeze To	115.

SEPTH			DEPTH		-	DEPTH	Laa	ANGDE	DEPTH	Lon		
400	ANGRE			ANODE	-		ANGDE	•	į		~~~	ł
100			295	7.7		490	·		685		49 ~	!
105			300	3.4		495		i ——	690			ļ
110			305	2.1		500	·		695		ļ ———	
115			310	26		505		-				
120		!	315	33		510		 	780	DEPTH		
125			320	2.0		515	 	<u> </u>		DESTH	NES	
130	<u> </u>	!	325	2.4		520	 	 			CENTRE	CEX*
135	. 7		330	2.1		525	 		<u> </u>	405	4.5	7.5
140	.6		335	3.5	8	530				395	4.9	7.7
145	, 5		340	ダラ			 -		3	285	4.5	7,0
150	. 7		345	7.7	-	535	 		- 4	375	4.7	.7.0
155	, X		350	41		540	 		5	3/35	4.4	6.9
160	1, 1		355	11,2	7	545				444	4.5	7.0
165	1.3	-	360	142		550	 	∤	7	345	3.9	6.1
170	1.4		363	4.1	5	555			8	325	3.7	5,6
173	1.4		370	#10		550			9	290	4.3	6.4
180	1.5		373	•		555			10	280	4.2	6.6
185	, ×		380	4.4	4	570			11	265	3.8	6.0
190	1: 9		383	H, 2	3	575	ļ	<u> </u>	12	140	4.6	6.6
195	7.8	15	390	•	-2	580	!	<u> </u>	13	225	1.5	7.0
200	_ 7.6		395	1-4.6		585	İ		14	215	4.3	6.6
205	2,4		1	•	-2	590	 		15	195	3.9	5.8
210	2.4		400	4.3		595			16			1
215	Hit	- 14	405	43		600	!		17			†
220	77.7	7.7	410	4.1	 	605			18			†
223	11.7	-13	415	4,0		610	<u> </u>		19			†
230	13,4	<u> </u>	420	<u> </u>		615			20	·		
235	5.9	i ——	425	14.19	772	628	!		21			†
240	4.7	- /2	430	Fin.	435	625			22	† ~	İ ———	-
245	7,4	- / F	435	ļ -		630	<u> </u>		23			
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	- 15		470	ļ		665		1	29 30	·		
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285 290			480			673	Ī			 	 	<u> </u>
-	<u></u>	1-9	485			680						

3522

#10A > 30-045-26533

TH#5-30-045-13284
DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS NORTHWESTERN NEW MEXICO (Submit 3 copies to OCD Aztec Office)

Operator MERIDIAN OIL INC. Location: UnitE Sec.3 Twp27 Rng 9
Name of Well/Wells or Pipeline Serviced HUGHES #10A, TURNER HUGHES #5
cps 2024w
Elevation6848' Completion Date 10/25/88 Total Depth 520' Land Type* N/A
Casing, Sizes, Types & Depths N/A
If Casing is cemented, show amounts & types used N/A
If Cement or Bentonite Plugs have been placed, show depths & amounts used N/A
Depths & thickness of water zones with description of water when possible:
Fresh, Clear, Salty, Sulphur, Etc. 175'
Depths gas encountered: N/A
Type & amount of coke breeze used: N/A
Depths anodes placed: 485', 475', 465', 455', 445', 400', 390', 305', 215', 205'
Depths vent pipes placed: 515' DEGETIMEN
Vent pipe perforations: 360' HAYS11991
Remarks: gb #1
DIST. 3

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

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

D. Crass	DRILLING CO.				
Drill No. 3	2024				

DRILLER'S WELL LOG

S. P. No.	Hugh	es #10A Date 10 - 25 - 88
Client 1	Peridi	Prospect
		UAN State New Mex.
	a redrill or	if moved from original staked position show distance
FROM	TO	FORMATION — COLOR — HARDNESS
0	165	SANdstone
165	180	Sand
180	225	Shale
225	245	SANdstone
245	250	Shale
250	260	SANDY Shale
260	305	Sandstone
<u> 305</u>	325	Shale
325	375	Saudstone
<u>375</u>	420	Shale
420	H40	SANdstone
440	495	Shale
495 Mud	520	SANdsfore Lime
Rock Bit 1	Number	Make
1000		er @ 175"
	4	
1.1.1.1.1.1.2.1.2.1.1.1.1.1.1.1.1.1.1.1	ner en en en en en en en en en en en en en	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1

Driller LONNIE BIOWN

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

Operator Meridian Oil Inc. Location: Unit H Sec. 4 Twp 27 Rng 9
Name of Well/Wells or Pipeline Serviced Turner Hughes #/4
ElevationCompletion Date 6-ZZ-95 Total Depth 378 Land Type 5
Casing Strings, Sizes, Types & Depths 4-25-95 - Set 100 of 8"
(UC casing. No gas water or boulders encountered during casing.
If Casing Strings are cemented, show amounts & types used <u>Cemented</u>
with 18 sacks
If Cement or Bentonite Plugs have been placed, show depths & amounts used
None
Depths & thickness of water zones with description of water: Fresh, Clear,
Salty, Sulphur, Etc. 130 - Fresh
Depths gas encountered: None
Ground bed depth with type & amount of coke breeze used: 378
5000165 Asbury.
Depths anodes placed: 1-365 358 351 344 337 330 280 273 245 238 231 180 173 166 158
Depths vent pipes placed: Surface to 378
Vent pipe perforations: 100-378 DEGETVEN
Remarks:
OIL COM. DIV.
Distr 4

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.

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

Operator Meridian Oil Inc. Location: Unit I Sec. 4 Twp27Rng 9
Name of Well/Wells or Pipeline Serviced Julner Hughes #14A
Elevation — Completion Date 6/2/95 Total Depth 473 Land Type
Casing Strings, Sizes, Types & Depths 4-24-95- Set 100 of 8" PVC
Casing No gas water or boulders were encountered during casing
If Casing Strings are cemented, show amounts & types used <u>Cemented</u>
with 18 sacks
If Cement or Bentonite Plugs have been placed, show depths & amounts used
- NA
Depths & thickness of water zones with description of water: Fresh, Clear,
Salty, Sulphur, Etc. 120'-Fresh
Depths gas encountered: NA
Ground bed depth with type & amount of coke breeze used: 473
133 Sacks Asbery 218R
Depths anodes placed: 468 450, 443 436, 422, 415 408, 461, 384 387 373 365, 150 140
Depths vent pipes placed: 473
Vent pipe perforations: 3040m 325' DECEIVER
Remarks: U JAN 1 1 1996 U
ONL COM DAY
DIST. 3

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

2644W

30-045-26481

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

operator MERIDIAN Oil Location: Unit C Sec. 4 Twp 27 Rng 9	
Name of Well/Wells.or Pipeline Serviced TURNER HUGHES #21-A	· · · .
Elevation Completion Date Total Depth Land Type	.
Casing Strings, Sizes, Types & Depths 8" PUC Sucface CASING 58 DEEP	.
uff Casing Strings are cemented, show amounts & types used VES with 14 bags NEAT CEMENT	-
If Cement or Bentonite Plugs have been placed, show depths 4 amounts used $\mathcal{N}_{\overline{\mathcal{O}}}$	-
Depths & thickness of water zones with description of water: Fresh, Clear Salty, Sulphur, Etc. Damp 80', 240', 310'	• -
Depths gas encountered: $\mathcal{H}_{\mathcal{O}}$	_
Ground bed depth with type & amount of coke breeze used: 452 DEEP with 6000 lbs Asbury FLO COKE	-
Depths anodes placed: 432, 425, 418, 411, 404, 396, 386, 370, 270, 231, 221, 200190	<u>18</u> 0
Depths vent pipes placed: 452'	
Vent pipe perforations: borrow 350' DEGEIVED	
Remarks: JAN 2 0 1995	<u>'</u>
	<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.

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

Operator Bullington Resources Location: Unit P Sec. 35 Twp 28 Rng 9
Name of Well/Wells or Pipeline Serviced Hantock A" #/A
30-045-29492
Elevation Completion Date 8-12-98 Total Depth 300' Land Type T
Casing Strings, Sizes, Types & Depths 2" PUC × 20'
If Casing Strings are cemented, show amounts & types used Bags rement
If Cement or Bentonite Plugs have been placed, show depths & amounts used Nowe
Depths & thickness of water zones with description of water: Fresh, Clear,
Salty, Sulphur, Etc. 100', Seep
Depths gas encountered: Now
Ground bed depth with type & amount of coke breeze used: 300' = 1500 b5
Depths anodes placed: 290, 280, 273, 266, 259, 245, 238, 231
Depths vent pipes placed: 300'
Vent pipe perforations: Bothem 200' NEGETVED MAR - 9 1999
Remarks:
OIL CON. DIV.

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

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GAUL	OCATION	error to a first the contract of the	35-6	28-9			COUNT	Y: San	Jugn	 	,	
ITE:	8-19		1			er, januar et e Parit (1	TYPE (F COKE:	2011	500 5	W.	
DEPTH: 300' BIT SIZE: 40 3/41						TYPE OF COKE: LOCYSCO SW AMT. OF COKE BACKFILL: 1500 1/05 VENT PIPE: 300'						
RILLEF	R NAME:	Jack	Led	better			ANODE AMT. & TYPE: Anotec - Pullican					
ZE AN	D TYPE (OF CASIN	G: g"	PUC X	'20'							
							BOULDER DRILLING:					
PTH	<u> </u>	l	DEPTH			DEPTH			COMPLE			
	LOG	ANODE	FT.	LOG	ANODE	FT.	LOG	ANODE	WATER DEPTHS: 100 50			ep
									ISOLATIC	N PLUG	3:	<u> </u>
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5	2.5		330			495			11			
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00	2.7		365			530			18		,	
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5	2.5	<u> </u>	380	ļ		545	<u> </u>		21			
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MAR		104			, JIAL	11201	J . / 11 10 C	· .7_				

	-lala	
DATE:	5/8/96	

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

Operator Mevidino Oil INC. Location: Unit G Sec. 34 Twp 28 Rng 09
Name of Well/Wells or Pipeline Serviced
STOREY C#11
Elevation 6824 Completion Date 5/8/96 Total Depth 49/ Jand Type F
Casing Strings, Sizes, Types & Depths 5/7 Sot 59 Of 8"PVC CASING.
NO GAS, WATER, Or Boulders Were ENCOUNTERED DURING CASING.
If Casing Strings are cemented, show amounts & types used Cemented WITH 15 SACKS
If Cement or Bentonite Plugs have been placed, show depths & amounts used None
Depths & thickness of water zones with description of water: Fresh, Clear,
Salty, Sulphur, Etc. Wit Fresh WATER AT 360.
Depths gas encountered: None
Ground bed depth with type & amount of coke breeze used: 491 DepTH.
Used 130 SACKS OF ASbury 218R (6500#)
Depths anodes placed: 475, 465, 455, 445, 436, 425, 415, 405, 395, 365, 345, 325, 315, 230, +165
Depths vent pipes placed: Sufface To 491.
Vent pipe perforations: Bottom 360. DECEIVED
Remarks:
OUL COM DITY
DIST. 3

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

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

CPS GROUND SED CONSTRUCTION WORKSHEET

			CPS	GROUNI	D EED (CNSTRU	מבבבא	WORKS	HEET			
29	15-W	2/L NO.	46E (6) , (57	Torey	C#11		and the Manager of	State of the state	and the same of the land	iganogia meteoripan karan
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Bree	eze 7	0/11	5.	,							COTT	<u>e</u>
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125			315 320	1.2	1 / 5	510			ANDRE	DEPTH	NO	-
130	3		325	1.3		515					COME	CBK.
135	1.3		330	2/10	- 12	520			1	475	1.8	4.0
140	.4		335	2		525			_ 2	465	1.7	3.9
145	14		340	11.5		530 535			3_	455	1.7	4.0
150	.4		345		~ 77	540			4	445	3.0	4.6
155	1.0		350	7.2		545			5	435'	1.4	3.1
160	1.3		355	1.4	-10	550			<u>5</u>	425	1.3	2.8
165	1-13	- 15	360	1,3		555	-	i		415	1.2	2.7
170	7		365	4 및		550			-3-	395	1.6	3.1
<u>175</u> _180	- 4		370	1.2		565			10	355	1.3	3.2
185	<u> ・ </u>		375	<u> </u>	<u> </u>	_570_			11	745	1.2	3.6
190	•		380	1 2		575			12	265	1.3	3.5
195			385	1.2		580			13	1 215	1.5	33
200	1		395	1	-9	585		ļ	14	220	3.0	5.4
205	.3		400	1.7		<u> 590</u>			15_	11.5	1.7	5.3
210	14		405	1,4	- 8	595 600			16	ļ		
215	1,2		410	12		605			17	ļ ———		
220	1.0		415		- 7	610			18	 		
225	-20		420	1		615			20			∤
230	2.8	-14	425	1.8	-6	620			21			┥
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245	1,2		435	114	- 5	630			23	 		
250	1,0		440	1,3		635	-		24	<u> </u>	i ———	†
255	1.0		445 450		4	640			25			†
260	7.7		455	2.2	3	645		 ———	25			
265	/./		460			630		·	27			
270	1, 1		465			635			28			
275	3		470	7. 7	-~-	665			29			-
280	, 9		475	7,19		670			30			
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290	1.01		485	1.7		680				 		
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PIETRIBUTION - ortginal - cormanone CDB FILE



APPENDIX C

Executed C-138 Solid Waste Acceptance Form

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

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

Form C-138 Revised 08/01/11

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

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1 Congretor Name and Address:								
1. Generator Name and Address: Enterprise Field Services, LLC, 614 Reilly Ave, Farmington NM 87401	PayKey: EM20767 PM: ME Eddleman AFE: A60159							
2. Originating Site: Lateral C-28								
3. Location of Material (Street Address, City, State or ULSTR): UL N Section 3 T27N R9W; 36.597674, -107.776343	June - Sept.							
4. Source and Description of Waste:								
Source: Remediation activities associated with a natural gas pipeline leak.								
UL N Section 3 T27N R9W; 36.597674, -107.776343 4. Source and Description of Waste: Source: Remediation activities associated with a natural gas pipeline leak. Description: Hydrocarbon/Condensate impacted soil associated natural gas pipeline release. Estimated Volume 50 yd / bbls Known Volume (to be entered by the operator at the end of the haul)								
5. GENERATOR CERTIFICATION STATEMENT OF WASTE ST.	ATUS							
I, Thomas Long , representative or authorized agent for Enterprise Products Operating do her Generator Signature certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environment regulatory determination, the above described waste is: (Check the appropriate classification)								
RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operate exempt waste. **Operator Use Only: Waste Acceptance Frequency Monthly Weekly								
RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimucharacteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste subpart D, as amended. The following documentation is attached to demonstrate the above-described appropriate items)	e 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 STATEMENT FO	OR LANDFARMS							
I, Thomas Long 7-7-2022, representative for Enterprise Products Operating authorizes Environment Generator Signature the required testing/sign the Generator Waste Testing Certification.	irotech, Inc. to complete							
I, Greg Crabbec, representative for Envirotech, Inc. representative samples of the oil field waste have been subjected to the paint filter test and tested for chave been found to conform to the specific requirements applicable to landfarms pursuant to Section 1 of the representative samples are attached to demonstrate the above-described waste conform to the re 19.15.36 NMAC.	5 of 19.15.36 NMAC. The results							
5. Transporter: TBD								
OCD Permitted Surface Waste Management Facility								
Name and Facility Permit #: Envirotech Inc. Soil Remediation Facility * Permit #: NM 01-001 Address of Facility: Hilltop, NM Method of Treatment and/or Disposal: Evaporation Injection Treating Plant Landfarm Landfill	1 Other							
Waste Acceptance Status:	N. C. L. D. D. D. D. D.							
PRINT NAME: SIGNATURE: Surface/Waste Management Fability Authorized Agent APPROVED DENIED (Must B TITLE: Enviro Management Table To Surface Waste Management Fability Authorized Agent 505-632-0615	e Maintained As Permanent Record) DATE: 7/7/22							



APPENDIX D

Photographic Documentation

Closure Report Enterprise Field Services, LLC Lateral C-28 (08/04/22) Ensolum Project No. 05A1226197



Photograph 1

Photograph Description: View of the inprocess excavation activities.



Photograph 2

Photograph Description: View of the inprocess excavation activities.



Photograph 3

Photograph Description: View of the final excavation.



SITE PHOTOGRAPHS

Closure Report Enterprise Field Services, LLC Lateral C-28 (08/04/22) Ensolum Project No. 05A1226197



Photograph 4

Photograph Description: View of the site after initial restoration.





APPENDIX E

Regulatory Correspondence

From: Kyle Summers
To: Chad D"Aponti
Cc: Ranee Deechilly

Subject: FW: [EXTERNAL] Lateral C-28 - UL G Section 13 T27N R13W; 36.57710, -107.16753; Incident #

nAPP2214553570

Date: Friday, August 12, 2022 8:07:38 AM

Attachments: <u>image003.png</u>

image004.png image005.png



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

From: Velez, Nelson, EMNRD < Nelson. Velez@state.nm.us>

Sent: Friday, August 12, 2022 8:06 AM

To: Long, Thomas <tjlong@eprod.com>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; rjoyner@blm.gov

Subject: RE: [EXTERNAL] Lateral C-28 - UL G Section 13 T27N R13W; 36.57710, -107.16753; Incident

nAPP2214553570

[**EXTERNAL EMAIL**]

Tom,

Thank you for the notice. If an OCD representative is not on-site on the date &/or time given, please sample per 19.15.29 NMAC. 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.

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

Regards

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

Office Hrs.:

7:00am - 12:00pm & 1:00 - 3:30 pm Mon.-Thur. 7:00am - 12:00pm & 1:00 - 4:00 pm Fri.

From: Long, Thomas < tilong@eprod.com > Sent: Wednesday, August 10, 2022 1:03 PM

To: Velez, Nelson, EMNRD < Nelson.Velez@state.nm.us >; Bratcher, Mike, EMNRD

<mike.bratcher@state.nm.us>; rjoyner@blm.gov

Cc: Stone, Brian < bmstone@eprod.com >; Kyle Summers < ksummers@ensolum.com >

Subject: [EXTERNAL] Lateral C-28 - UL G Section 13 T27N R13W; 36.57710, -107.16753; Incident #

nAPP2214553570

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

Nelson/Ryan,

This email is a variance request and notification. Enterprise is requesting a variance for required 48 hour notification per 19.15.29.12D (1a) NMAC. Enterprise would like to collect closure samples on Friday August 12, 2022 at 8:30 a.m. at the Lateral C-28 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)
tilong@eprod.com



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



APPENDIX F

Table 1 – Soil Analytical Summary



TABLE 1 Lateral C-28 (08/04/22) SOIL ANALYTICAL SUMMARY

	COLE ANALI HOAL COMMINANT												
Sample I.D.	Date	Sample Type	Sample Depth	Benzene	Toluene	Ethylbenzene	Xylenes	Total BTEX ¹	TPH GRO	TPH DRO	TPH MRO	Total Combined TPH (GRO/DRO/MRO) ¹	Chloride
		C- Composite G - Grab	(feet)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
	Depa	neral & Natural R irtment on Closure Crite		10	NE	NE	NE	50	NE	NE	NE	100	600
Excavation Composite Soil Samples													
S-1	8.12.22	С	12 to 14	<0.085	<0.17	<0.17	<0.34	ND	<17	<14	<47	ND	83
S-2	8.12.22	С	12 to 14	<0.084	<0.17	<0.17	<0.34	ND	<17	<14	<46	ND	83
S-3	8.12.22	С	12 to 14	0.015	0.076	<0.030	0.11	0.20	<3.0	<15	<49	ND	84
S-4	8.12.22	С	0 to 12	<0.021	0.046	<0.042	<0.083	0.046	<4.2	<14	<48	ND	<60
S-5	8.12.22	С	0 to 12	<0.018	0.038	<0.035	0.084	0.12	<3.5	<14	<46	ND	<60
S-6	8.12.22	С	0 to 12	<0.017	<0.034	<0.034	<0.068	ND	<3.4	<15	<49	ND	<60
S-7	8.12.22	С	0 to 14	<0.018	<0.036	<0.036	<0.072	ND	<3.6	34	<50	34	<59
S-8	8.12.22	С	0 to 14	<0.018	0.050	<0.036	0.28	0.33	<3.6	<15	<50	ND	110
S-9	8.12.22	С	0 to 14	<0.017	<0.035	<0.035	0.11	0.11	<3.5	<15	<49	ND	97
S-10	8.12.22	С	0 to 14	<0.018	<0.035	<0.035	<0.070	ND	<3.5	<15	<49	ND	79
S-11	8.12.22	С	0 to 12	<0.019	<0.039	<0.039	<0.078	ND	<3.9	66	<48	66	82

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

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

NA = Not Analyzed

NE = Not established

mg/kg = milligram per kilogram

BTEX = Benzene, Toluene, Ethylbenzene, and Xylenes

TPH = Total Petroleum Hydrocarbons

GRO = Gasoline Range Organics

DRO = Diesel Range Organics

MRO = Motor Oil/Lube Oil Range Organics

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



APPENDIX G

Laboratory Data Sheets & Chain of Custody Documentation



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

August 18, 2022

Kyle Summers
ENSOLUM

606 S. Rio Grande Suite A

Aztec, NM 87410 TEL: (903) 821-5603

FAX:

RE: Lateral C 28 West OrderNo.: 2208872

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 11 sample(s) on 8/13/2022 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 Freeman

Laboratory Manager

Indes

4901 Hawkins NE

Albuquerque, NM 87109

Lab Order 2208872

Date Reported: 8/18/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: S-1

 Project:
 Lateral C 28 West
 Collection Date: 8/12/2022 8:30:00 AM

 Lab ID:
 2208872-001
 Matrix: SOIL
 Received Date: 8/13/2022 7:40:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	83	60	mg/Kg	20	8/15/2022 11:43:01 AM	69495
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	8/15/2022 12:35:11 PM	69488
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	8/15/2022 12:35:11 PM	69488
Surr: DNOP	97.2	21-129	%Rec	1	8/15/2022 12:35:11 PM	69488
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	17	mg/Kg	5	8/15/2022 9:38:23 AM	G90279
Surr: BFB	84.9	37.7-212	%Rec	5	8/15/2022 9:38:23 AM	G90279
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.085	mg/Kg	5	8/15/2022 9:38:23 AM	B90279
Toluene	ND	0.17	mg/Kg	5	8/15/2022 9:38:23 AM	B90279
Ethylbenzene	ND	0.17	mg/Kg	5	8/15/2022 9:38:23 AM	B90279
Xylenes, Total	ND	0.34	mg/Kg	5	8/15/2022 9:38:23 AM	B90279
Surr: 4-Bromofluorobenzene	97.8	70-130	%Rec	5	8/15/2022 9:38:23 AM	B90279

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 1 of 16

Lab Order 2208872

Date Reported: 8/18/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: S-2

 Project:
 Lateral C 28 West
 Collection Date: 8/12/2022 8:35:00 AM

 Lab ID:
 2208872-002
 Matrix: SOIL
 Received Date: 8/13/2022 7:40:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: ЈМТ
Chloride	83	60	mg/Kg	20	8/15/2022 11:55:22 AM	69495
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	8/15/2022 12:59:08 PM	69488
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	8/15/2022 12:59:08 PM	69488
Surr: DNOP	101	21-129	%Rec	1	8/15/2022 12:59:08 PM	69488
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	17	mg/Kg	5	8/15/2022 10:01:45 AM	G90279
Surr: BFB	87.6	37.7-212	%Rec	5	8/15/2022 10:01:45 AM	G90279
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.084	mg/Kg	5	8/15/2022 10:01:45 AM	B90279
Toluene	ND	0.17	mg/Kg	5	8/15/2022 10:01:45 AM	B90279
Ethylbenzene	ND	0.17	mg/Kg	5	8/15/2022 10:01:45 AM	B90279
Xylenes, Total	ND	0.34	mg/Kg	5	8/15/2022 10:01:45 AM	B90279
Surr: 4-Bromofluorobenzene	98.6	70-130	%Rec	5	8/15/2022 10:01:45 AM	B90279

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 2 of 16

Lab Order 2208872

Date Reported: 8/18/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: S-3

 Project:
 Lateral C 28 West
 Collection Date: 8/12/2022 8:40:00 AM

 Lab ID:
 2208872-003
 Matrix: SOIL
 Received Date: 8/13/2022 7:40:00 AM

Result **RL Oual Units DF** Date Analyzed **Batch** Analyses **EPA METHOD 300.0: ANIONS** Analyst: JMT Chloride 84 60 mg/Kg 20 8/15/2022 12:07:42 PM 69495 **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: SB Diesel Range Organics (DRO) 15 mg/Kg 8/15/2022 1:22:56 PM 69488 Motor Oil Range Organics (MRO) ND 49 mg/Kg 1 8/15/2022 1:22:56 PM 69488 Surr: DNOP 92.5 21-129 %Rec 8/15/2022 1:22:56 PM 69488 Analyst: NSB **EPA METHOD 8015D: GASOLINE RANGE** Gasoline Range Organics (GRO) ND 8/15/2022 10:25:09 AM G90279 3.0 mg/Kg Surr: BFB 90.8 37.7-212 %Rec 8/15/2022 10:25:09 AM G90279 **EPA METHOD 8021B: VOLATILES** Analyst: NSB 0.015 0.015 8/15/2022 10:25:09 AM Benzene mg/Kg B90279 Toluene 0.076 0.030 mg/Kg 8/15/2022 10:25:09 AM B90279 Ethylbenzene ND 0.030 mg/Kg 1 8/15/2022 10:25:09 AM B90279 Xylenes, Total 0.11 0.060 mg/Kg 8/15/2022 10:25:09 AM B90279 Surr: 4-Bromofluorobenzene 70-130 98.1 %Rec 8/15/2022 10:25:09 AM B90279

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 3 of 16

Lab Order 2208872

Date Reported: 8/18/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: S-4

 Project:
 Lateral C 28 West
 Collection Date: 8/12/2022 8:45:00 AM

 Lab ID:
 2208872-004
 Matrix: SOIL
 Received Date: 8/13/2022 7:40:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	ND	60	mg/Kg	20	8/15/2022 12:20:03 PM	69495
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	8/15/2022 1:53:59 PM	69488
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	8/15/2022 1:53:59 PM	69488
Surr: DNOP	104	21-129	%Rec	1	8/15/2022 1:53:59 PM	69488
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.2	mg/Kg	1	8/15/2022 10:48:35 AM	G90279
Surr: BFB	89.0	37.7-212	%Rec	1	8/15/2022 10:48:35 AM	G90279
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.021	mg/Kg	1	8/15/2022 10:48:35 AM	B90279
Toluene	0.046	0.042	mg/Kg	1	8/15/2022 10:48:35 AM	B90279
Ethylbenzene	ND	0.042	mg/Kg	1	8/15/2022 10:48:35 AM	B90279
Xylenes, Total	ND	0.083	mg/Kg	1	8/15/2022 10:48:35 AM	B90279
Surr: 4-Bromofluorobenzene	100	70-130	%Rec	1	8/15/2022 10:48:35 AM	B90279

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Lab Order **2208872**

Hall Environmental Analysis Laboratory, Inc. Date Reported: 8/18/2022

CLIENT: ENSOLUM Client Sample ID: S-5

 Project:
 Lateral C 28 West
 Collection Date: 8/12/2022 8:50:00 AM

 Lab ID:
 2208872-005
 Matrix: SOIL
 Received Date: 8/13/2022 7:40:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	ND	60	mg/Kg	20	8/15/2022 12:32:24 PM	69495
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst	:: SB
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	8/15/2022 2:18:28 PM	69488
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	8/15/2022 2:18:28 PM	69488
Surr: DNOP	91.5	21-129	%Rec	1	8/15/2022 2:18:28 PM	69488
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	3.5	mg/Kg	1	8/15/2022 11:12:01 AM	G90279
Surr: BFB	86.4	37.7-212	%Rec	1	8/15/2022 11:12:01 AM	G90279
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.018	mg/Kg	1	8/15/2022 11:12:01 AM	B90279
Toluene	0.038	0.035	mg/Kg	1	8/15/2022 11:12:01 AM	B90279
Ethylbenzene	ND	0.035	mg/Kg	1	8/15/2022 11:12:01 AM	B90279
Xylenes, Total	0.084	0.070	mg/Kg	1	8/15/2022 11:12:01 AM	B90279
Surr: 4-Bromofluorobenzene	96.6	70-130	%Rec	1	8/15/2022 11:12:01 AM	B90279

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Lab Order 2208872

Date Reported: 8/18/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: S-6

 Project:
 Lateral C 28 West
 Collection Date: 8/12/2022 8:55:00 AM

 Lab ID:
 2208872-006
 Matrix: SOIL
 Received Date: 8/13/2022 7:40:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	ND	60	mg/Kg	20	8/15/2022 12:44:45 PM	69495
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	8/15/2022 2:42:46 PM	69488
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	8/15/2022 2:42:46 PM	69488
Surr: DNOP	93.5	21-129	%Rec	1	8/15/2022 2:42:46 PM	69488
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	3.4	mg/Kg	1	8/15/2022 11:35:36 AM	G90279
Surr: BFB	89.2	37.7-212	%Rec	1	8/15/2022 11:35:36 AM	G90279
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.017	mg/Kg	1	8/15/2022 11:35:36 AM	B90279
Toluene	ND	0.034	mg/Kg	1	8/15/2022 11:35:36 AM	B90279
Ethylbenzene	ND	0.034	mg/Kg	1	8/15/2022 11:35:36 AM	B90279
Xylenes, Total	ND	0.068	mg/Kg	1	8/15/2022 11:35:36 AM	B90279
Surr: 4-Bromofluorobenzene	97.2	70-130	%Rec	1	8/15/2022 11:35:36 AM	B90279

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 6 of 16

CLIENT: ENSOLUM

Analytical Report

Date Reported: 8/18/2022

Lab Order 2208872

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: S-7

Project: Lateral C 28 West **Collection Date:** 8/12/2022 9:00:00 AM

Lab ID: 2208872-007 **Matrix:** SOIL **Received Date:** 8/13/2022 7:40:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	ND	59	mg/Kg	20	8/15/2022 12:57:06 PM	69495
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst	:: SB
Diesel Range Organics (DRO)	34	15	mg/Kg	1	8/15/2022 3:07:23 PM	69488
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	8/15/2022 3:07:23 PM	69488
Surr: DNOP	98.2	21-129	%Rec	1	8/15/2022 3:07:23 PM	69488
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	3.6	mg/Kg	1	8/15/2022 11:59:09 AM	G90279
Surr: BFB	89.7	37.7-212	%Rec	1	8/15/2022 11:59:09 AM	G90279
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.018	mg/Kg	1	8/15/2022 11:59:09 AM	B90279
Toluene	ND	0.036	mg/Kg	1	8/15/2022 11:59:09 AM	B90279
Ethylbenzene	ND	0.036	mg/Kg	1	8/15/2022 11:59:09 AM	B90279
Xylenes, Total	ND	0.072	mg/Kg	1	8/15/2022 11:59:09 AM	B90279
Surr: 4-Bromofluorobenzene	98.7	70-130	%Rec	1	8/15/2022 11:59:09 AM	B90279

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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CLIENT: ENSOLUM

Analytical Report

Lab Order **2208872**

Date Reported: 8/18/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: S-8

 Project:
 Lateral C 28 West
 Collection Date: 8/12/2022 9:05:00 AM

 Lab ID:
 2208872-008
 Matrix: SOIL
 Received Date: 8/13/2022 7:40:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	110	60	mg/Kg	20	8/15/2022 1:09:27 PM	69495
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	: DGH
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	8/15/2022 2:07:26 PM	69488
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	8/15/2022 2:07:26 PM	69488
Surr: DNOP	94.0	21-129	%Rec	1	8/15/2022 2:07:26 PM	69488
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	3.6	mg/Kg	1	8/15/2022 12:22:46 PM	G90279
Surr: BFB	90.3	37.7-212	%Rec	1	8/15/2022 12:22:46 PM	G90279
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.018	mg/Kg	1	8/15/2022 12:22:46 PM	B90279
Toluene	0.050	0.036	mg/Kg	1	8/15/2022 12:22:46 PM	B90279
Ethylbenzene	ND	0.036	mg/Kg	1	8/15/2022 12:22:46 PM	B90279
Xylenes, Total	0.28	0.072	mg/Kg	1	8/15/2022 12:22:46 PM	B90279
Surr: 4-Bromofluorobenzene	98.5	70-130	%Rec	1	8/15/2022 12:22:46 PM	B90279

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

ring Limit Page 8 of 16

Lab Order 2208872

Hall Environmental Analysis Laboratory, Inc. Date Reported: 8/18/2022

CLIENT: ENSOLUM Client Sample ID: S-9

 Project:
 Lateral C 28 West
 Collection Date: 8/12/2022 9:10:00 AM

 Lab ID:
 2208872-009
 Matrix: SOIL
 Received Date: 8/13/2022 7:40:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	97	60	mg/Kg	20	8/15/2022 1:21:48 PM	69495
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: DGH
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	8/15/2022 2:21:16 PM	69488
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	8/15/2022 2:21:16 PM	69488
Surr: DNOP	95.6	21-129	%Rec	1	8/15/2022 2:21:16 PM	69488
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	3.5	mg/Kg	1	8/15/2022 12:46:26 PM	G90279
Surr: BFB	92.3	37.7-212	%Rec	1	8/15/2022 12:46:26 PM	G90279
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.017	mg/Kg	1	8/15/2022 12:46:26 PM	B90279
Toluene	ND	0.035	mg/Kg	1	8/15/2022 12:46:26 PM	B90279
Ethylbenzene	ND	0.035	mg/Kg	1	8/15/2022 12:46:26 PM	B90279
Xylenes, Total	0.11	0.070	mg/Kg	1	8/15/2022 12:46:26 PM	B90279
Surr: 4-Bromofluorobenzene	101	70-130	%Rec	1	8/15/2022 12:46:26 PM	B90279

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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CLIENT: ENSOLUM

Analytical Report

Lab Order 2208872

Date Reported: 8/18/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: S-10

 Project:
 Lateral C 28 West
 Collection Date: 8/12/2022 9:15:00 AM

 Lab ID:
 2208872-010
 Matrix: SOIL
 Received Date: 8/13/2022 7:40:00 AM

Result **RL Oual Units DF** Date Analyzed **Batch** Analyses **EPA METHOD 300.0: ANIONS** Analyst: JMT Chloride 79 61 mg/Kg 20 8/15/2022 1:34:09 PM 69495 **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: DGH Diesel Range Organics (DRO) 15 mg/Kg 8/15/2022 2:35:15 PM 69488 Motor Oil Range Organics (MRO) ND 49 mg/Kg 1 8/15/2022 2:35:15 PM 69488 Surr: DNOP 94.3 21-129 %Rec 8/15/2022 2:35:15 PM 69488 **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB 8/15/2022 1:10:05 PM Gasoline Range Organics (GRO) ND G90279 3.5 mg/Kg Surr: BFB 88.8 37.7-212 %Rec 8/15/2022 1:10:05 PM G90279 **EPA METHOD 8021B: VOLATILES** Analyst: NSB Benzene ND 0.018 8/15/2022 1:10:05 PM B90279 mg/Kg Toluene ND 0.035 mg/Kg 8/15/2022 1:10:05 PM B90279 Ethylbenzene ND 0.035 mg/Kg 1 8/15/2022 1:10:05 PM B90279 Xylenes, Total ND 0.070 mg/Kg 8/15/2022 1:10:05 PM B90279 Surr: 4-Bromofluorobenzene 100 70-130 B90279 %Rec 8/15/2022 1:10:05 PM

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Lab Order 2208872

Date Reported: 8/18/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: S-11

 Project:
 Lateral C 28 West
 Collection Date: 8/12/2022 9:20:00 AM

 Lab ID:
 2208872-011
 Matrix: SOIL
 Received Date: 8/13/2022 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analys	t: JMT
Chloride	82	60		mg/Kg	20	8/15/2022 2:11:11 PM	69495
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS					Analys	: DGH
Diesel Range Organics (DRO)	66	14		mg/Kg	1	8/15/2022 2:49:36 PM	69488
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/15/2022 2:49:36 PM	69488
Surr: DNOP	19.5	21-129	S	%Rec	1	8/15/2022 2:49:36 PM	69488
EPA METHOD 8015D: GASOLINE RANGE						Analys	t: NSB
Gasoline Range Organics (GRO)	ND	3.9		mg/Kg	1	8/15/2022 1:57:34 PM	G90279
Surr: BFB	89.1	37.7-212		%Rec	1	8/15/2022 1:57:34 PM	G90279
EPA METHOD 8021B: VOLATILES						Analys	: NSB
Benzene	ND	0.019		mg/Kg	1	8/15/2022 1:57:34 PM	B90279
Toluene	ND	0.039		mg/Kg	1	8/15/2022 1:57:34 PM	B90279
Ethylbenzene	ND	0.039		mg/Kg	1	8/15/2022 1:57:34 PM	B90279
Xylenes, Total	ND	0.078		mg/Kg	1	8/15/2022 1:57:34 PM	B90279
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	8/15/2022 1:57:34 PM	B90279

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E 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, Inc.

WO#: **2208872**

18-Aug-22

Client: ENSOLUM
Project: Lateral C 28 West

Sample ID: MB-69495 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 69495 RunNo: 90282

Prep Date: 8/15/2022 Analysis Date: 8/15/2022 SeqNo: 3220645 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-69495 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 69495 RunNo: 90282

Prep Date: 8/15/2022 Analysis Date: 8/15/2022 SeqNo: 3220647 Units: mg/Kg

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

Chloride 15 1.5 15.00 0 99.3 90 110

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E 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, Inc.

WO#: **2208872** *18-Aug-22*

Client:	ENSOLUM
Project:	Lateral C 28 West

Sample ID: MB-69488	Project: Lateral C	28 West								
Prep Date: 8/15/2022	Sample ID: MB-69488	SampType: MI	BLK	Tes	tCode: EF	A Method	8015M/D: Die	sel Range	Organics	
Analyse	Client ID: PBS	Batch ID: 69	488	F	RunNo: 90	269				
Diesel Range Organics (DRO)	Prep Date: 8/15/2022	Analysis Date: 8/	15/2022	;	SeqNo: 32	219899	Units: mg/K	g		
Motor Oil Range Organics (MIRO) ND 10 10 10 10 10 10 10 1	Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sum DNOP	, ,	ND 15								
Client ID: LCS-69488										
Client ID: LCS Batch ID: 6948 RunNo: 9026 RunNo: 902	Surr: DNOP	10	10.00		99.8	21	129			
Prep Date: 8/15/2022	Sample ID: LCS-69488	SampType: LC	s	Tes	tCode: EF	A Method	8015M/D: Die	sel Range	Organics	
Analyte	Client ID: LCSS	Batch ID: 69	488	F	RunNo: 90	269				
Diesel Range Organics (DRO)	Prep Date: 8/15/2022	Analysis Date: 8/	15/2022	;	SeqNo: 32	219900	Units: mg/K	g		
Sample Discription Samp Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Sample D: 2208872-001AMS SampType: MS Batch D: 69488 RunNo: 90269 Prep Date: 8/15/2022 Analysis Date: 8/15/2022 SeqNo: 3220015 Units: mg/Kg	Diesel Range Organics (DRO)	47 15	50.00	0	93.9	64.4	127			
Client ID: S-1	Surr: DNOP	4.3	5.000		86.4	21	129			
Prep Date: 8/15/2022 Analysis Date: 8/15/2022 SeqNo: 322015 Units: mg/ky	Sample ID: 2208872-001AMS	SampType: M:	S	Tes	tCode: EF	A Method	8015M/D: Die	sel Range	Organics	
Analyte	Client ID: S-1	Batch ID: 69	488	F	RunNo: 90	269				
Diesel Range Organics (DRO) 50 15 49.85 0 100 36.1 154 129	Prep Date: 8/15/2022	Analysis Date: 8/	15/2022	;	SeqNo: 32	220015	Units: mg/K	g		
Surr: DNOP 4.3 4.985 86.4 21 129 Sample ID: 2208872-001AMSD SampType: MSD TestCode: EPA Method 8015M/D: Dieset Range Organics Client ID: S-1 Batch ID: 69488 RunNo: 90269 Prep Date: 8/15/2022 Analysis Date: 8/15/2022 SeqNo: 3220016 Units: mg/Kg Analyte Result PQL SPK Ref Val WREC LowLimit HighLimit %RPD RPDLimit Qual Sample ID: MB-69473 Sample ID: 69473 RunNo: 90276 Prep Date: 8/12/2022 Analysis Date: 8/16/2022 SeqNo: 3221171 Units: %Rec Analyse Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Sample ID: LCS-69473 Sample ID: 69473 RunNo: 90276 Fex Method 8015M/D: Diesel Range Or	Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sample ID: 2208872-001AMSD SampType: MSD TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: \$-1 Batch ID: 69488 RunNo: 90269 Prep Date: 8/15/2022 Analysis Date: 8/15/2022 SeqNo: 3220016 Units: mg/kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit High Limit %RPD RPDLimit Qual Diesel Range Organics (DRO) 51 15 49.12 0 104 36.1 154 2.41 33.9 Surr: DNOP 4.2 4.912 0 104 36.5 21 129 0 0 0 Sample ID: MB-69473 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: PBS Batch ID: 69473 RunNo: 90276 LowLimit HighLimit %Rec PRDLimit Qual Surr: DNOP 8.3 10.00 83.1 21 129 PRDLimit PRDLimit	Diesel Range Organics (DRO)	50 15	49.85	0	100	36.1	154			
Client ID: S-1 Batch D: 69488 RunNo: 90269 SeqNo: 3220016 Units: mg/Kg	Surr: DNOP	4.3	4.985		86.4	21	129			
Prep Date: 8/15/2022 Analysis Date: 8/15/2022 SeqNo: 3220016 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Diesel Range Organics (DRO) 51 15 49.12 0 104 36.1 154 2.41 33.9 Surr: DNOP 4.2 4.912 0 104 36.5 21 129 0 0 Sample ID: MB-69473 Sampt Det: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: PBS Batch ID: 69473 RunNo: 90276 Prep Date: 8/12/2022 Analysis Date: 8/16/2022 SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Surr: DNOP 8.3 10.00 87K Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual <t< td=""><td>Sample ID: 2208872-001AMSD</td><td>SampType: M:</td><td>SD</td><td>Tes</td><td>tCode: EF</td><td>A Method</td><td>8015M/D: Die</td><td>sel Range</td><td>Organics</td><td></td></t<>	Sample ID: 2208872-001AMSD	SampType: M:	SD	Tes	tCode: EF	A Method	8015M/D: Die	sel Range	Organics	
Analyte	Client ID: S-1	Batch ID: 69	488	F	RunNo: 90	269				
Diesel Range Organics (DRO) 51 15 49.12 0 104 36.1 154 2.41 33.9	Prep Date: 8/15/2022	Analysis Date: 8/	15/2022	;	SeqNo: 32	220016	Units: mg/K	g		
Surr: DNOP 4.2 4.912 86.5 21 129 0 0 Sample ID: MB-69473 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: PBS Batch ID: 69473 RunNo: 90276 Prep Date: 8/12/2022 Analysis Date: 8/16/2022 SeqNo: 3221171 Units: %Rec Analyte Result PQL SPK value SPK Ref Val REC LowLimit HighLimit Republication (NRPD) RPDLimit Republication (NRPD) Qual Republication (NRPD) Sample ID: LCS-69473 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: LCSS Batch ID: 69473 RunNo: 90276 Prep Date: 8/12/2022 Analysis Date: 8/16/2022 SeqNo: 3221173 Units: %Rec	Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sample ID: MB-69473 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: PBS Batch ID: 69473 RunNo: 90276 Prep Date: 8/12/2022 Analysis Date: 8/16/2022 SeqNo: 3221171 Units: %Rec Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Surr: DNOP 8.3 10.00 83.1 21 129 TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: LCS-69473 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics Prep Date: 8/12/2022 Analysis Date: 8/16/2022 SeqNo: 3221173 Units: %Rec	Diesel Range Organics (DRO)	51 15	49.12	0	104	36.1	154	2.41	33.9	
Client ID: PBS Batch ID: 69473 RunNo: 90276 Prep Date: 8/12/2022 Analysis Date: 8/16/2022 SeqNo: 3221171 Units: %Rec Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Surr: DNOP 8.3 10.00 83.1 21 129 Sample ID: LCS-69473 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: LCSS Batch ID: 69473 RunNo: 90276 Prep Date: 8/12/2022 Analysis Date: 8/16/2022 SeqNo: 3221173 Units: %Rec	Surr: DNOP	4.2	4.912		86.5	21	129	0	0	
Prep Date: 8/12/2022 Analysis Date: 8/16/2022 SeqNo: 3221171 Units: %Rec Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Surr: DNOP 8.3 10.00 83.1 21 129 Sample ID: LCS-69473 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: LCSS Batch ID: 69473 RunNo: 90276 Prep Date: 8/12/2022 Analysis Date: 8/16/2022 SeqNo: 3221173 Units: %Rec	Sample ID: MB-69473	SampType: MI	BLK	Tes	stCode: EF	A Method	8015M/D: Die	sel Range	Organics	
Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Surr: DNOP 8.3 10.00 83.1 21 129 129 Sample ID: LCS-69473 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: LCSS Batch ID: 69473 RunNo: 90276 Prep Date: 8/12/2022 Analysis Date: 8/16/2022 SeqNo: 3221173 Units: %Rec	Client ID: PBS	Batch ID: 69	473	F	RunNo: 90	276		J	-	
Surr: DNOP 8.3 10.00 83.1 21 129 Sample ID: LCS-69473 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: LCSS Batch ID: 69473 RunNo: 90276 Prep Date: 8/12/2022 Analysis Date: 8/16/2022 SeqNo: 3221173 Units: %Rec	Prep Date: 8/12/2022	Analysis Date: 8/	16/2022	;	SeqNo: 32	221171	Units: %Red	;		
Surr: DNOP 8.3 10.00 83.1 21 129 Sample ID: LCS-69473 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: LCSS Batch ID: 69473 RunNo: 90276 Prep Date: 8/12/2022 Analysis Date: 8/16/2022 SeqNo: 3221173 Units: %Rec	Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Client ID: LCSS Batch ID: 69473 RunNo: 90276 Prep Date: 8/12/2022 Analysis Date: 8/16/2022 SeqNo: 3221173 Units: %Rec	•				83.1					
Client ID: LCSS Batch ID: 69473 RunNo: 90276 Prep Date: 8/12/2022 Analysis Date: 8/16/2022 SeqNo: 3221173 Units: %Rec	Sample ID: LCS-69473	SampType: LC	s	Tes	tCode: EF	A Method	8015M/D: Die	sel Range	Organics	
		Batch ID: 69	473	F	RunNo: 90	276		,	-	
Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual	Prep Date: 8/12/2022	Analysis Date: 8/	16/2022	;	SeqNo: 32	221173	Units: %Red	;		
	Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E 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, Inc.

18-Aug-22

2208872

WO#:

Client: ENSOLUM
Project: Lateral C 28 West

Sample ID: LCS-69473 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: LCSS Batch ID: 69473 RunNo: 90276

Prep Date: 8/12/2022 Analysis Date: 8/16/2022 SeqNo: 3221173 Units: %Rec

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

Surr: DNOP 4.3 5.000 86.6 21 129

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 range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E 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, Inc.

2208872 18-Aug-22

WO#:

Client: ENSOLUM Project: Lateral C 28 West

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

Client ID: PBS Batch ID: **G90279** RunNo: 90279

Prep Date: Analysis Date: 8/15/2022 SeqNo: 3220347 Units: mq/Kq

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

Gasoline Range Organics (GRO) ND 5.0

Surr: BFB 910 1000 91.1 37.7 212

Sample ID: 2.5ug gro Ics SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS Batch ID: **G90279** RunNo: 90279

Prep Date: Analysis Date: 8/15/2022 SeqNo: 3220348 Units: mg/Kg

Analyte Result **PQL** SPK value SPK Ref Val %REC I owl imit HighLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) 22 25.00 88.0 72.3 137

1700 Surr: BFB 1000 165 37.7 212

Sample ID: 2208872-001ams SampType: MS TestCode: EPA Method 8015D: Gasoline Range

Client ID: Batch ID: **G90279** RunNo: 90279

Prep Date: Analysis Date: 8/15/2022 SeqNo: 3220349 Units: mg/Kg

SPK value SPK Ref Val %REC %RPD **RPDLimit** Analyte Result POI LowLimit HighLimit Qual Gasoline Range Organics (GRO) 74 84.52 87.4 70 130

Surr: BFB 6000 3381 176 37.7 212

Sample ID: 2208872-001amsd SampType: MSD TestCode: EPA Method 8015D: Gasoline Range

Client ID: Batch ID: **G90279** S-1 RunNo: 90279

Prep Date: Analysis Date: 8/15/2022 SeqNo: 3220350 Units: mg/Kg

Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) 76 17 84.52 89.7 70 130 20 2.62 Surr: BFB 6200 3381 183 37.7 212 0 0

Qualifiers:

Value exceeds Maximum Contaminant Level

D Sample Diluted Due to Matrix

Holding times for preparation or analysis exceeded Н

Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix interference

Analyte detected in the associated Method Blank

Estimated value

Analyte detected below quantitation limits

Sample pH Not In Range

RL Reporting Limit Page 15 of 16

Hall Environmental Analysis Laboratory, Inc.

WO#: **2208872** 18-Aug-22

Client: ENSOLUM
Project: Lateral C 28 West

Sample ID: mb SampType: MBLK TestCode: EPA Method 8021B: Volatiles Client ID: PBS Batch ID: **B90279** RunNo: 90279 Prep Date: Analysis Date: 8/15/2022 SeqNo: 3220377 Units: mg/Kg SPK Ref Val %RPD **RPDLimit** Analyte Result **PQL** SPK value %REC LowLimit HighLimit Qual Benzene ND 0.025 Toluene ND 0.050 Ethylbenzene ND 0.050 Xylenes, Total ND 0.10 Surr: 4-Bromofluorobenzene 0.99 1.000 98.9 70 130

Sample ID: 100ng btex Ics SampType: LCS TestCode: EPA Method 8021B: Volatiles Client ID: LCSS RunNo: 90279 Batch ID: **B90279** SeqNo: 3220378 Prep Date: Analysis Date: 8/15/2022 Units: mg/Kg Analyte **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual 0.025 1.000 Benzene 0.99 n 98.8 80 120 Toluene 1.0 0.050 1.000 0 101 80 120 Ethylbenzene 0 80 1.0 0.050 1.000 101 120 Xylenes, Total 3.0 0.10 3.000 0 99.1 80 120 Surr: 4-Bromofluorobenzene 1.0 1.000 101 70 130

Sample ID: 2208872-002ams SampType: MS TestCode: EPA Method 8021B: Volatiles Client ID: S-2 Batch ID: **B90279** RunNo: 90279 Prep Date: Analysis Date: 8/15/2022 SeqNo: 3220379 Units: mg/Kg Analyte Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual 0.084 3.378 97.4 68.8 3.3 120 Benzene 3.4 3.378 0.04764 99.5 73.6 124 Toluene 0.17 3.378 101 72.7 Ethylbenzene 34 0.17 129 Xylenes, Total 10 0.34 10.14 0.1321 99.4 75.7 126 Surr: 4-Bromofluorobenzene 3.6 3.378 106 70 130

Sample ID: 2208872-002amsd SampType: MSD TestCode: EPA Method 8021B: Volatiles Client ID: S-2 Batch ID: **B90279** RunNo: 90279 Prep Date: Analysis Date: 8/15/2022 SeqNo: 3220380 Units: mg/Kg **RPDLimit** Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD Qual Benzene 3.2 0.084 3.378 96.1 68.8 120 1.34 20 Toluene 3.3 0.17 3.378 0.04764 96.9 73.6 124 2.65 20 Ethylbenzene 3.3 0.17 3.378 98.9 72 7 129 2.36 20 0 10 0.34 10.14 0.1321 97.7 75.7 126 1.67 20 Xylenes, Total Surr: 4-Bromofluorobenzene 3.378 106 70 0 0 3.6 130

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E 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 4901 Hawkins NE Albuquerque, NM 87109

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

Sample Log-In Check List

Client Name: ENSOLUM	Work Order Nu	mber: 2208872		RcptNo: 1	
Received By: Juan Rojas	8/13/2022 7:40:00	O AM	Harring		
Completed By: Juan Rojas	8/13/2022 8:03:17	7 AM	Harray		
Reviewed By:	8/13/2				
Chain of Custody					
1. Is Chain of Custody complet	e?	Yes 🗸	No 🗌	Not Present	
2. How was the sample deliver	ed?	Courier			
<u>Log In</u>					
3. Was an attempt made to coo	ol the samples?	Yes 🗸	No 🗌	NA 🗆	
4. Were all samples received a	t a temperature of >0° C to 6.0°C	Yes 🗸	No 🗌	NA 🗆	
5. Sample(s) in proper contained	er(s)?	Yes 🗸	No 🗌		
6. Sufficient sample volume for	indicated test(s)?	Yes 🗸	No 🗌		
7. Are samples (except VOA an	d ONG) properly preserved?	Yes 🗸	No 🗌		
8. Was preservative added to b	ottles?	Yes	No 🗸	NA \square	
9. Received at least 1 vial with t	neadspace <1/4" for AQ VOA?	Yes	No 🗌	NA 🗸	
0. Were any sample containers	received broken?	Yes	No 🗸	# of preserved	
I 1 Dogg paparuadi matah hawa	lahala0	· •	N =	bottles checked	
 Does paperwork match bottle (Note discrepancies on chain 		Yes 🗸	No 🗀	for pH: (<2 or >12 unle	ss noted)
2. Are matrices correctly identifi		Yes 🗸	No 🗌	Adjusted?	
3. Is it clear what analyses were	requested?	Yes 🗸	No 🗆		1 1
Were all holding times able to (If no, notify customer for aut)		Yes 🗸	No 🗆	Checked by:	113/2
pecial Handling (if appli					
15. Was client notified of all disc		Yes	No 🗌	NA 🗹	
Person Notified:	Date	e [
By Whom:	Via:	eMail I	Phone Fax	☐ In Person	
Regarding:					
Client Instructions:		W-1			
16. Additional remarks:				.,	
7. Cooler Information					
	Condition Seal Intact Seal No	Seal Date	Signed By		

### ### ##############################	b-contracted data will be clearly notated on the an	possibility. An	$\frac{(U \cap (R - S) \cap S) \supset 7 \cap Q}{\text{coredited laboratories.}}$ This serves as notice of this p	bcontracted to other ac	ubmitted to Hall Environmental may be su	, samples su		Received
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-of-Custody Record Turn-Around Time: W6 % Standard DRush 8 / 5 - 2	EDB (Me PAHs by RCRA 8 CL Se 8260 (VC 8270 (Se	TPH:801	HEAL No. 1208872	Container Type and #	Sample Name	Matrix	Time	Date
-of-Custody Record Turn-Around Time: 100% Standard DRush 8 / 5 - 2 2	Meta ; NG DA)	5D(G	(°C)	# of Coolers:			D (Type)	
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of-Custody Record Turn-Around Time: 180% \$\langle \langle \	Analysis Request		1861+	OSA			#:	Phone
of-Custody Record Turn-Around Time: 180% Standard Drush 8-15-22 ANALYSIS LA www.hallenvironmental. Lateral C 38 (west) 4901 Hawkins NE - Albuquerque, I	F	Tel.			7470	A.	4.0	L s
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	HALL ENVIRONMENTA		Time: 100 %	Turn-Around	ustody Record	of-C	Chain	68 of

Released to Imaging: 6/13/2023 7:49:31 AM

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

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

CONDITIONS

Action 226472

CONDITIONS

Operator:	OGRID:
Enterprise Field Services, LLC	241602
PO Box 4324	Action Number:
Houston, TX 77210	226472
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By		Condition Date
nvelez	None	6/13/2023