



#### **CLOSURE REPORT**

Property:

Florence #92 (04/13/23) Unit Letter H, S31 T30N R9W San Juan County, New Mexico

#### New Mexico EMNRD OCD Incident ID No. NAPP2310326139

May 25, 2023

Ensolum Project No. 05A1226237

Prepared for:

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

Prepared by:

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Operator:	Enterprise Field Services, LLC / Enterprise Products Operating LLC (Enterprise)
Site Name:	Florence #92 (04/13/23) (Site)
NM EMNRD OCD Incident ID No.	NAPP2310326139
Location:	36.770647° North, 107.816134° West Unit Letter H, Section 31, Township 30 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 April 5, 2023, a third party discovered a release on the Florence #92 pipeline. Enterprise personnel subsequently isolated and locked the pipeline out of service. On April 12, 2023, Enterprise initiated activities to repair the pipeline and remediate potential petroleum hydrocarbon impact. On April 13, 2023, Enterprise determined the release was "reportable" due to the estimated volume of impacted soil. The NM EMNRD OCD was subsequently notified.

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

#### 1.2 **Project Objective**

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

#### 2.0 CLOSURE CRITERIA

The Site is subject to regulatory oversight by the New Mexico EMNRD OCD. Ensolum, LLC (Ensolum) referenced 19.15.29 New Mexico Administrative Code (NMAC), 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). Numerous PODs with recorded depths to water were identified in the same Public Land Survey System (PLSS) section as the Site, and in the adjacent PLSS sections (Figure A, Appendix B). The average depth to water for all the identified PODs is 22 feet below grade surface (bgs). The closest PODs (SJ-04353 POD1 through POD6) are approximately 0.70 miles northeast of the Site and approximately 77 feet higher in elevation than the Site. The average recorded depth to water for these PODs is 25 feet bgs.

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- Numerous cathodic protection wells (CPWs) were identified in the NM EMNRD OCD imaging database in the same PLSS section as the Site and in adjacent sections. The CPWs are depicted on Figure B (Appendix B). The three closest CPWs are located near the Mansfield #11, Mansfield #7, and New Mexico Com #1 well locations. Documentation for the cathodic protection well located near the Mansfield #11 well location indicates a depth to water of approximately 60 feet. This cathodic protection well is located approximately 0.75 miles northeast of the Site and is 57 feet higher in elevation than the Site. Documentation for the cathodic protection well located near the Mansfield #7 well location indicates a depth to water of approximately 100 feet bgs. This cathodic protection well is located approximately 0.85 miles northeast of the Site and is 171 feet higher in elevation than the Site. Documentation for the cathodic protection well located near the New Mexico Com #1 well location indicates a depth to water of approximately 0.85 miles northeast of the Site and is 171 feet higher in elevation than the Site. Documentation for the cathodic protection well located near the New Mexico Com #1 well location indicates a depth to water of approximately 0.85 miles northeast of the Site and is 171 feet bgs. This cathodic protection well located near the New Mexico Com #1 well location indicates a depth to water of approximately 0.85 miles southwest of the Site and is 29 feet higher 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 fresh water well field covered under a municipal ordinance adopted pursuant to New Mexico Statutes Annotated (NMSA) 1978, Section 3-27-3.
- Based on information identified in the U.S. Fish & Wildlife Service National Wetlands Inventory Wetlands Mapper, the Site is not within 300 feet of a wetland (**Figure F**, **Appendix B**).
- Based on information identified in the NM Mining and Minerals Division's Geographic Information System (GIS) Maps and Mine Data database, the Site is not within an area overlying a subsurface mine (**Figure G**, **Appendix B**).
- The Site is not located within an unstable area per Paragraph (6) of Subsection U of 19.15.2.7 NMAC.
- Based on information provided by the Federal Emergency Management Agency (FEMA) National Flood Hazard Layer (NFHL) geospatial database, the Site is not within a 100-year floodplain (**Figure H**, **Appendix B**).

Based on available information, the applicable closure criteria for soils remaining in place at the Site include:



Closure Report Enterprise Field Services, LLC Florence #92 (04/13/23)

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

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

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

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

#### 3.0 SOIL REMEDIATION ACTIVITIES

On April 12, 2023, Enterprise initiated activities to repair the pipeline and remediate petroleum hydrocarbon impact resulting from the release. During the remediation and corrective action activities, Sierra Oilfield Services, Inc, provided heavy equipment and labor support, while Ensolum provided environmental consulting support.

The final excavation measured approximately 23 feet long and 15 feet wide at the maximum extents. The maximum depth of the excavation measured approximately 10 feet bgs. The lithology encountered during the completion of remediation activities consisted primarily of silty sand underlain by sandstone.

Approximately 184 cubic yards (yd<sup>3</sup>) of petroleum hydrocarbon-affected soils and 55 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<sup>®</sup> hydrocarbon analyzer system and a photoionization detector (PID) fitted with a 10.6 eV lamp to guide excavation extents.

Ensolum's soil sampling program included the collection of eight composite soil samples (S-1 through S-8) from the excavation for laboratory analysis. The composite samples were comprised of five aliquots each and represent an estimated 200 square foot (ft<sup>2</sup>) sample area or less per guidelines outlined in Section D of 19.15.29.12 NMAC. The excavator bucket was utilized to obtain fresh aliquots from each area of the excavation. Regulatory correspondence is provided in **Appendix E**.

#### First Sampling Event

On April 14, 2023, sampling was performed at the Site. The NM EMNRD OCD was notified of the sampling event although no representative was present during sampling activities. Composite soil samples S-1 (10') and S-2 (10') were collected from the floor of the excavation. Composite soil samples S-3 (0' to 10'), S-4 (0' to 10'), S-5 (0' to 10'), S-6 (0' to 10'), S-7 (0' to 10'), and S-8 (0' to 10') were collected from the walls of the excavation.



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

#### 5.0 SOIL LABORATORY ANALYTICAL METHODS

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

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

#### 6.0 SOIL DATA EVALUATION

Ensolum compared the benzene, BTEX, TPH, and chloride laboratory analytical results or laboratory practical quantitation limits (PQLs) / reporting limits (RLs) associated with the composite soil samples (S-1 through S-8) to the applicable NM EMNRD OCD closure criteria. The laboratory analytical results are summarized in **Table 1** (**Appendix F**).

- The laboratory analytical results for all composite soil samples indicate benzene is not present at concentrations greater than the laboratory PQLs/RLs, which are less than the NM EMNRD OCD closure criteria of 10 mg/kg.
- The laboratory analytical results for all composite soil samples indicate total BTEX is not present at concentrations greater than the laboratory PQLs/RLs, which are less than the NM EMNRD OCD closure criteria of 50 mg/kg.
- The laboratory analytical results for all composite soil samples indicate total combined TPH GRO/DRO/MRO is not present at concentrations greater than the laboratory PQLs/RLs, which are less than the New Mexico EMNRD OCD closure criteria of 100 mg/kg.
- The laboratory analytical result for composite soil sample S-2 indicates a chloride concentration of 65 mg/kg, which is less than the New Mexico 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 New Mexico EMNRD OCD closure criteria of 600 mg/kg.

#### 7.0 RECLAMATION AND REVEGETATION

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

#### 8.0 FINDINGS AND RECOMMENDATION

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

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• Approximately 184 yd<sup>3</sup> of petroleum hydrocarbon-affected soils and 55 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.

#### 9.3 Reliance

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





## **APPENDIX A**

# Figures

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## **APPENDIX B**

# Siting Figures and Documentation

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(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)	(R=POD has been replaced O=orphaned, C=the file is closed)	(qua					VE 3=SW	-	3 UTM in meters)		(In feet	)
POD Number	POD Sub- Code basin (	Sounda	Q Q		Soc	Two	Png	x	Y	-	-	Water Column
SJ 04353 POD1	SJ	SJ	4		29		09W	249534	4073912 🥥	28	25	3
SJ 04353 POD2	SJ	SJ	4	3	29		09W	249530	4073898 🔵	28	25	3
SJ 04353 POD3	SJ	SJ	4	3	29	30N	09W	249553	4073913 🌍	32	28	4
SJ 04353 POD4	SJ	SJ	4	3	29	30N	09W	249572	4073908 🌍	29	26	3
SJ 04353 POD5	SJ	SJ	4	3	29	30N	09W	249547	4073885 🌍	30	25	5
SJ 04353 POD6	SJ	SJ	4	3	29	30N	09W	249574	4073889 🌍			
									Average Depth to	Water:	25 f	eet
									Minimum	Depth:	25 f	eet
									Maximum	Depth:	28 f	eet
Record Count: 6												

#### PLSS Search:

Section(s): 31, 29, 30, 32

Township: 30N

Range: 09W

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

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(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)	(R=POD has been replaced O=orphaned, C=the file is closed)	(qua						NE 3=SW	,	3 UTM in meters)		(In feet	)
	POD												
POD Number	Sub- Code basin (	Count		Q			Two	Dna	х	Y	•	-	Water Column
SJ 00584	SJM2	SJ	04		<b>3</b>	<b>Sec</b>		09W	<b>^</b> 247886	4070692* 🌍	143	40	103
												-	
<u>SJ 03092</u>	SJM2	SJ	1	1	4	05	29N	09W	249875	4071132* 🌍	40	16	24
SJ 03118	SJM2	SJ	3	2	2	05	29N	09W	250253	4071718* 🌍	250		
SJ 03182	SJM2	SJ	1	1	4	05	29N	09W	249875	4071132* 🌍	42	18	24
SJ 03599	SJM2	SJ	1	1	4	05	29N	09W	249875	4071132* 🌍	42	20	22
SJ 04165 POD10	SJ	SJ		1	4	06	29N	09W	248375	4070897 🌍	23	11	12
SJ 04165 POD11	SJ	SJ		1	4	06	29N	09W	248389	4070896 🌍	23	11	12
SJ 04429 POD1	SJM2	SJ	2	2	2	05	29N	09W	250510	4071844 🌍	80		
SJ 04462 POD1	SJM2	SJ	2	4	4	06	29N	09W	248808	4070780 🌍	50		
										Average Depth to	o Water:	19 f	eet
										Minimun	n Depth:	11 f	eet
										Maximum	Depth:	<b>40</b> f	eet

#### Record Count: 9

PLSS Search:

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Section(s): 6, 5
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Township: 29N

Range: 09W

#### \*UTM location was derived from PLSS - see Help

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

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No records found.

PLSS Search:

Section(s): 1

Township: 29N

Range: 10W

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No records found.

PLSS Search:

Section(s): 36, 25

Township: 30N

Range: 10W

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

GOEDE	= # 3 - 30-045-09140 4649 = 1ELD#9A - 30-045-21728
Mansf	=1ELD#9A - 30-045-21728
	DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS NORTHWESTERN NEW MEXICO
	(Submit 3 copies to OCD Aztec Office)
	Operator <u>MERIDIAN OIL</u> Location: Unit <u>SE</u> Sec. <u>29</u> Twp 30 Rng 9
	Name of Well/Wells or Pipeline Serviced GOEDE #3, MANSFIELD #9A
	cps 57w
	Elevation <u>5854</u> Completion Date 6/13/72 Total Depth 320' Land Type* N/A
	Casing, Sizes, Types & DepthsN/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. 140'
	MAY31 1991
	Depths gas encountered:N/AOH_CON_DIV
	Type & amount of coke breeze used: 4700 lbs. DIST. 3
	Depths anodes placed:
	Depths vent pipes placed: N/A
	Vent pipe perforations: 150'
	Remarks: 1 gb #2

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

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

Received by-OCD: 6/13/2024 12:44:46 PM El Paro Natural Gas Company Page 26 of 89 WELL CASING Form 7-238 (Rev. 1-69) CATHODIC PROTECTION CONSTRUCTION REPORT DAILY LOG . . . Completion Date <u>6-13-72</u> R Drilling Log (Attach Hereto). CPS Ne. Well h ocation 5E29-30-9 57 W Coc de Type & Size Bit ( Work Order No <sup>5</sup>63/4 84-5434 Anode Hole Depth Total Drilling Rig Time No. Sacks Mud Used bs. Coke Used Lost Circulation Mat<sup>1</sup> Used 700 Anode Depth = 285 = 4255 = 5745 = 6235 = 7225 = 8215 = 2 Z 75 = 3**265** | ~9**185** = 10/75 Anode (Amps a 6 4.5 a 7 4.3 4.4 = 5.2 4.5 1 :: 8 3.7 = 9 **3.6** = 10 4.5 # 3 = 4 = 2 = 1 Anode Depth = 15 ÷ 11 # 12 **‡** 13 14 # 16 = 17 = 18 = 19 !≈ 20 Anode Output (Amps) = 11 = 12 = 13 i 4 = 15 16 : 18 17 : 19 = 20 Total Circuit Resistance No. 8 C.P. Cable Used io. 2 C.F. Cable Used 1.0-2 11.5 <sup>1</sup>Ohms Volts Amps Noter at 140'- Water Standing at 60' Remarks: **Dr** ller Said Hole Caved, Moved Rig Bock Vent Perforated 150' E Drilled out which Mud. Shorels Coke - to 6 Pump 325 All Construction Completed Re Drill New Well Paulek GROUND BED LAYOUT SKETCH # P&A Original & 1 Copy All Reports

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### EL PASO NATURAL GAS COMPANY

ENGINEERING DEPARTMENT

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	30-045-21726

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

4567

Operator	MERIDIAN OIL	Location:	Unit <u>NW</u> Sec. 29 Twp 30 Rng 9	)
Name of	Well/Wells or Pipeline Servi	.ced MANSF	FIELD #6, MANSFIELD #1A,	
	MANSFIELD COM #251		cps 65v	N
Elevatio	n_6027'Completion Date_10/13/6	9Total De	pth <u>310'</u> Land Type* <u>N/A</u>	
Casing,	Sizes, Types & Depths	N/A		
If Casin	g is cemented, show amounts	& types use	ed <u>N/A</u>	
If Cemen	t or Bentonite Plugs have be	en placed,	show depths & amounts us	ed
	N/A			
Depths &	thickness of water zones wi	th descrip	tion of water when possib	le:
Fresh, C	lear, Salty, Sulphur, Etc	160'		
			RECEIVE	
Depths ga	as encountered:N/A			<u>ש</u>
	mount of coke breeze used:		SI OIL CON. DIV	
	nodes placed: <u>272', 262', 252'</u>			
Depths ve	ent pipes placed: <u>262'OF</u>	3/4" HOSE		
Vent pipe	e perforations:262'			
Remarks:	God #2 EPOXY POURED ABOVE S	HRINK SLEEVE		

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

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

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51/2 #	132=68 78743=19	1 2							-
	(Attach Hereto		No 2	Gun BE	= 0	С	ompletion Da	te_/ <b>0-</b> /	3-69
Well Name			10.2	GND BE NKI 29-			CPS No.		````
Type & Size B	sfield						Work Order	<u>65 U</u> No.	
77/8#	10434= 2	00, 7/18	×# 28,	104=110			184 -		4-50-2
Anode Hole De	əpth 🦷	otal Drilling R	rs Time	104 = 110 Total Lbs. Coke L 4500	Jsed Lost Circl (455pcks)	ulation Mat'l Us		Aud Used 2	
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Total Circuit I	Resistance				No. 8 C.P. Cat	ole Usea			. Caple Used
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Remarks:	3/4 3	4032	23 NI.	021-10	000, 2	<u></u>	ofed -	<u>2-711</u>	
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.:#9 > 30-045-12187

 $#10 \rightarrow 30-045-20893$ DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS. NORTHWESTERN NEW MEXICO

Operator MERIDIAN OIL CO. Location: UnitA Sec. 29 Twp 30 Rng 9
Name of Well/Wells or Pipeline Serviced Mansfield # 9 & # 12
cps 842w
Elevation <u>5986</u> Completion Date 8/15/90 Total Depth 295 Land Type N/A
Casing Strings, Sizes, Types & Depths 20 ft. 8" PVC CAsing
If Casing Strings are cemented, show amounts & types used <u>N/A</u>
If Cement or Bentonite Plugs have been placed, show depths & amounts used N/A
Depths & thickness of water zones with description of water: Fresh, Clear, Salty, Sulphur, Etc. 100 to 110 sample taken
Depths gas encountered: <u>N/A</u> Ground bed depth with type & amount of coke breeze used:
3300 1bs. Ashbury Petroleum Coke
Depths anodes placed: 270, 260, 250, 240, 230, 220, 210, 200, 190, 180
Depths vent pipes placed: 1" PVC Pipe 300 ft.
Vent pipe perforations:
Remarks: (gb #2
DIST. ?

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

Land Type may be shown: F-Federal; I-Indian; S-State; P-Fee. If Federal or Indian, add Lease Number. , FM-07-0238 (Rev. 10-82)

#14

WELL CASING CATHODIC PROTECTION CONSTRUCTION REPORT DAILY LOG

Page	33	of 89

PS #		e, Line or Plant:		We	ark Order		Static:		Ins. Union Check	
	THIN	15-field =	+ 9			•				
842 W	Mar	sfield =	412							
ocation:	/	Anode Size:	Anode Type			[	Size Bit:	3,''		·
429-30-9		2 × 60	AN	OTEC		L		<u> </u>		
Depth Drilled 2951	Depth	285'	Drilling Rig Time		Total	ibs. Goke Used 33007	Lost Circulatio	n Mat'l Used	No. Sacks Mud L	hed
Anode Depth 1270 # 2		1	#4 240	2	30	× 5 220	1 7 210	×8 200	19190	1# 10/80
Anode Output (Amp 1 4 5 # 2	• 1	•				1	,	r -	•	•
Anode Depth				<u>↓ (</u>			+			- <b>-</b>
#1 #1	2	# 13	# 14	# 15		# 16	# 17	# 18	# 19	# 20
node Output (Amp	•)			1		 	1	1	 	
11 #1	2	# 13	# 14	# 15		# 16	# 17	# 18	# 19	# 20
Total Circuit Resis Volts 11.7			1	75		No. 8 C.P. Cat	ble Used		No. 2 C.P. Co	ible Used
Remarks: DR114	· · · -				نهر1	ed 2 hrs.	white di	RILLOR WRY	TTO Sh	of. Blein
Water and	GOT	WOTER	Sample.	<u>on s</u>	2-14	-90.	8-15-90	lodded	hole.	Ren 30.
0.4 1" P			-							

Rectifier Size:	V	A
Addn'l Depth		
Depth Credit:		
Extra Cable:	10'	
Ditch & 1 Cable:	107'	
25 'Meter Pole:		
20' Meter Pole:		
10' Stub Pole:		
Junction Box:	1	

All Construction Completed

Tullis 3 (Signature)

GROUND BED LAYOUT SKETCH

06.8.#1

Mansfield # 9 [] RecTIFIER 107' N © 6,8 <sup>≠</sup>

& MansField #12

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## BURG\_CORROSION SYSTEMS, ... IC.

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

ELL NAME:		WELL NUMBER:	SECTION:	TOWNSHIP:	RANGE:
lansfield	# 9\$12	#9	A-29	30	9
	WATER AT:	FEET:	HOLE MADE:		
	1101		295		
		DESCRIPTION OF			
FROM	то		FORMATION IS		COLOR
0	18'	PVC CASI	NG-8" =	Cemented	_
/8'	60'	SANDSTONE	S-SHALE	STREAMER.	
60'	80'	SAND -BE	NTONITE MI	۷	
40'	100'	shale			
100'	(20'		ATER - SA	Imple Taken	
120'	365'		AND STREAM		
265	275'	SANO - BE			
215'	285'	shale			
285	295'	SAND		· •	
· · · · · · · · · · · · · · · · · · ·					
REMARKS: S Ample at	ET 20' 8' 110'. Deille	' PVC CASH TO TO 29	167 - Wai 5' suit wh	teo And Go len sand u	TAWAT
E TO GAS	POSSIBILY.		$\hat{\mathcal{O}}$		

CPS 1: 842-W WELL RAME: MANSfield # 9+12 LOCATION: A29-30-9 DATE: 8-15-90

TOTAL VOLTS: 11.7

5       185       27       365       515       1       270       3.0       4.5         10       130       2.8       f       310       550       3       250       2.5       4.5         20       200       2.0       2.4       1       380       560       4       240       2.5       4.5         20       200       2.0       2.4       1       380       560       4       240       2.5       4.5         20       200       2.0       2.4       1       380       565       5       2.30       7       3.4         30       210       2.7       390       570       4       2.20       2.6       4.7         30       210       2.7       390       570       4       220       2.6       4.7         315       215       3.0       395       575       7       210       3.3       3.7         316       215       3.0       395       585       9       190       3.4       3.7         310       230       1.7       5       410       590       10       180       1.5       7         50						. •				-	ħ	·	1		<u> </u>	]
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35       215       3.0       395       575       7       210       3.3 $5.5$ 45       220       2.3       6       h00       585       9       19 $3.3$ $5.5$ 50       220       1.7       5       h10       585       9       19 $3.4$ $5.7$ 50       220       1.7       5       h10       590       10       180 $1.5$ $7.7$ 50       220       1.7       5       h10       590       10       180 $1.5$ $7.7$ 60       240       2.1       4       h20       600       -       -	25	·		205	· · · · · · · · · · · · · · · · · · ·		<u>385</u>			<u>565</u>			5	·	1.7_	
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hile dRILLER WENT Shop. Blew WATER GOT WATER SOO	EMAF	KS:	DRI	<u>1 le ƙ</u>	2 _	aid	. <u>.</u>	We	⊏ ३	<u>r</u>	// 0	10	120	<u>, h</u>	JaiTed	<u> 2 h</u>

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## API WATER ANALYSIS REPORT FORM

Laboratory No.		WATEN ANALI					4197
Company				Sample No.	Date Sa		
Mexidian					8	-14-96	
Field		Legal Description		County or Pari	sh	State	
<u>CP5 842</u>		A 29-30					
Lease or Unit	Well M	field #7	Depth 10 - 120	Formation	Water,	B/D	TECH, Inc
Type of Water (Produced, Supply	, etc.)	Sampling F			Sample	d By	333 East Mai
							Farmingto
DISSOLVED SOLIDS	<u> </u>		OTHER PRO	PERTIES		<u></u>	New Mexic
CATIONS	mg/l	me/l		FERTIES		7.70	8740
		5.7	pH Specific Grav	Why 60/60 F		1,005	505/327-331
Sodium, Na (calc.) Calcium, Ca		<u>20</u>		nm-meters) <u>75°</u> F.		3.95	
Magnesium, Mg		3.4					
Barium, Ba	·					_ <u>+</u>	
			<u></u>				
				To al Dissolved	Solids (calc.)		
ANIONS 🕴						1968	
Chloride, Cl	27	75		Iro ı, Fe (total)			
Sulfate, So4	1230	26		Su fide, as H <sub>2</sub> S			
Carbonate, CO <sub>3</sub>				_			1 I
Bicarbonate, HCO3		2,3	REMARKS &	RECOMMENDATIONS	S:		
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Page 37 of 89

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DATA	SHEET	FOR	DEEI	GROUND	BI	ED C	ATHODIC	PROTECTION	WELLS
			NOI	RTHWESTE	RN	NEW	MEXICO	)	
	( 9	Submi	it 3	copies	to	OCD	Aztec	Office)	

4654

Operator MERIDIAN OIL Location: Unit <u>K</u> Sec.29 Twp 30 Rng	9
Name of Well/Wells or Pipeline ServicedMANSFIELD #7	
сря_62w	<u> </u>
Elevation 6027' Completion Date 10/24/69 Total Depth 280' Land Type* N/A	
Casing, Sizes, Types & Depths <u>N/A</u>	<u> </u>
If Casing is cemented, show amounts & types used <u>N/A</u>	
If Cement or Bentonite Plugs have been placed, show depths & amounts use	ed
N/A	
Depths & thickness of water zones with description of water when possible	
Fresh, Clear, Salty, Sulphur, Etc. 100'	2
Fresh, Clear, Salty, Sulphur, Etc. 100'	IJ
Depths gas encountered: N/A OIL CON. DIV	
Type & amount of coke breeze used: 3960 lbs \DIST. 3	
Depths anodes placed:, 229', 223', 217', 211', 205', 190', 184'	
Depths vent pipes placed: 229' 3/4" HOSE	
Vent pipe perforations: 229'	
Remarks:	<u>K</u>
SIFEVES.	

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

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

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E? Páso Natural Gas Company

Form 7-238 (Rev. 1-69)

WELL CASING CATHODIC PROTECTION CONSTRUCTION REPORT DAILY LOG

- 256' 5" 78744 24

Drilling Log (Attach Hereto).

Il Name       Location       CPS No.         MAANS + 1610       Z       S x 29-30-9       Work Order No.         Pe & Size Bit Used       S x 7475 - 245' $7\frac{3}{8}$ $29-30-9$ Work Order No.         Main ode Depth       Total Drilling Rig Time       Total Lbs. Coke Used       Lost Circulation Matri Used       No. Sacks Mul Used         2 $3\frac{2}{2}$ Z $3\frac{2}{2}$ z $4\frac{2}{7}$ z $5\frac{2}{11}$ z $62c5$ z $7/90'$ z $8/8 + z = 9$ z $10$ ode Depth       Total Drilling Rig Time       Total Lbs. Coke Used       Lost Circulation Matri Used       Z       Z       z $3223'$ z $4\frac{2}{7}$ z $5\frac{2}{11}$ z $62c5'$ z $7/90'$ z $8/8 + z = 9$ z $10$ ode Depth       1 $23.5'$ z $2\frac{9}{4}$ z $3\frac{8}{3}$ z $4\frac{8}{3}$ z $5\frac{8}{3}$ z $6\frac{3}{3}$ z $7/90'$ z $8/8 + z = 9$ z $10$ inde Depth       z $12$ z $3\frac{8}{3}$ z $4\frac{8}{3}$ z $5\frac{8}{3}$ z $6\frac{3}{3}$ z $6\frac{2}{3}$ z $7/90'$ z $8\frac{7}{6}$ z $9$ z $10$ inde Depth       z $12$ z $13$ z $14$ z $15$ z $16$ z $7/90'$ z $8\frac{7}{6}$ z $9$ z $10$	)rilling Log (Attach Hereto					С	ompletion D	ate_/C/	124/69
$\frac{1}{2} \frac{1}{2} \frac{1}$	jell Name		Loco	ation	*	-			
$\frac{12}{34} \frac{14}{4} \frac{9}{4} \frac{9}{7} \frac{9}{2} \frac{9}{2} \frac{9}{7} \frac{1}{2} \frac{9}{3} \frac{9}{2} \frac{9}{7} \frac{9}{7} \frac{1}{3} \frac{1}{2} \frac{9}{7} \frac{9}{2} \frac{9}{7} \frac$		<u><u></u></u>			30-9		(	c2 W	
Code loc Perth Total Drilling Rig Time Total Los Code Used $2 \frac{3}{2} \frac{1}{2} \frac{1}$		-14-1	7	7/" # 1 a	781	20-1			
ade Dents 1235 2229 2323 24217 52211 2225 27/90 28/84 29 210 196 2011 1 Annes 196 2294 238.3 248.3 258.3 268.1 276.8 287.6 29 210 ode Output (Annes) 197 2 213 214 215 216 217 218 219 220 ode Output (Annes) 11 212 213 214 215 216 217 218 219 220 11 212 213 214 215 216 217 218 219 220 11 212 213 214 215 216 218 219 220 10 2 C.P. Colle Used 11 2 2 2 2 2 2 8 8 A R A fes 19 2 2 2 5 2 8 8 A R A fes 19 5 2 4 25 2 8 8 A R A fes 19 5 2 4 25 2 8 8 A R A fes 19 5 2 4 25 2 8 8 A R A fes 19 5 2 4 25 2 8 8 A R A fes 19 5 2 4 25 2 8 8 A R A fes 19 5 2 4 25 2 8 8 A R A fes 10 5 2 4 8 2 4 A S Tic MC4LD 5 To PCWA A 4 5 DE CAPS. 10 Construction Completed 10 Construction Completed 10 Construction Completed 10 Construction Completed 10 Construction Completed 10 Construction Completed 10 Construction Completed	ode Hole Depth	Total Drilling Rid	g Time To	otal Lbs. Coke Us	sed Lost Circ	rulation Mat <sup>*</sup> I Us			-3-6-20
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ode Output (Amps) 196 a 29,4 a 38,3 a 48,3 a 58,3 a 69,1 a 76.8 a 87.6 a 9 a 10 ode Output (Amps) 1 a 12 a 13 a 14 a 15 a 16 a 17 a 18 a 19 a 20 ode Output (Amps) 1 a 12 a 13 a 14 a 15 a 16 a 17 a 18 a 19 a 20 No. 8 C.P. Cable Used No. 8 C.P. Cable Used 1 9 C 4' Marks: <u>A</u> Vent hese an <u>2</u> Anode Perturnates To The Top of the M seed 25 cB 8ARA fes <u>Used 25 cB 8ARA fes</u> <u>Used 16 perturnations</u> <u>No. 8 C.P. Cable Used</u> 1 9 C 4' <u>C</u> Marks: <u>A</u> Vent hese an <u>2</u> Anode Perturnates To The Top of the <u>M seed 25 cB 8ARA fes</u> <u>Used 16 perturnations</u> <u>No. 8 C.P. Cable Used</u> <u>M seed 25 cB 8ARA fes</u> <u>Used 16 perturnations</u> <u>No. 8 C.P. Cable Used</u> <u>M seed 25 cB 8ARA fes</u> <u>M seed 25 cB 8ARA fes</u> <u>M seed 16 perturnations</u> <u>Second 16 perturnations</u> <u>Second 16 perturnation</u> <u>All Construction Completed</u> <u>(Signature)</u> GROUND BED LAYOUT SKETCH	· · · ·	1-3277	1 1-1 917	1	100000	1.7 190'	1 1.0 1×4	1	1
ade Depth 11 = 12 = 13 = 14 = 15 = 16 = 17 = 18 = 19 = 20 10 a Output (Amps) 11 = 12 = 13 = 14 = 15 = 16 = 17 = 18 = 19 = 20 11 = 12 = 13 = 14 = 15 = 16 = 17 = 18 = 19 = 20 11 = 12 = 13 = 14 = 15 = 16 = 17 = 18 = 19 = 20 11 = 12 = 19 = 20 11 = 19 = 20 10. 2 C.P. Cable Used 10. 2 C.P. Cable Used 11 = 17 = 18 = 19 = 20 10. 2 C.P. Cable Used 10. 2 C.P. Cable Used 10. 2 C.P. Cable Used 10. 2 C.P. Cable Used 10. 2 C.P. Cable Used 11 = 17 = 18 = 19 = 20 10. 2 C.P. Cable Used 10. 2 C.P. Cable Used 11 = 10 = 10 = 10 = 10 = 10 = 10 = 10 =	node Output (Amps)	1	1 4 617	1	i	1			
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ade Output (Amps) 11 x 12 x 13 x 14 x 15 x 16 x 17 x 18 x 19 x 20 12 CHOULD Resistance 13 CHOULD RESISTANCE AMONG REPEATING TO THE TOP OF I 14 See & 25 CB BARA fc 5 15 C VENT hese on 2 ANONE Repeating To The Top of I 15 Y ENT hese on 2 ANONE Repeating To The Top of I 15 Sed VENT hese on 2 ANONE Repeating To The Top of I 16 See & VENT hese on 2 ANONE Repeating To The Top of I 17 See & 25 CB BARA fc 5 17 See & Shrick Steeves 18 See & Steeves 19 CHOULD STO PENT AND COMPLeted All Construction Completed (Signature) GROUND BED LAYOUT SKETCH		:  = 13	i '≉ 14	1 !* 15	1 1 # 16	i  a=17	i 12:18	i 1 <sub>21</sub> 19	1 2 20
Amps 23 Ohms 48 1904 Mo. 8 C.P. Cable Used Mo. 8 C.P. Cable Used Mo. 2 C.P. Cable Used Mo. 2 C.P. Cable Used Mo. 2 C.P. Cable Used Marks: <u>74</u> Vent hese on <u>72</u> Anode Perfurnated To The Top of 1 M Seed 25 CB BARAfes M Seed PLASTIC MEGLIDS To PENT ANCOPE CAPS. Perfect Eperty over ShrivK Steeves All Construction Completed (Signature) GROUND BED LAYOUT SKETCH	node Output (Amps)		1						1
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marks: <u>34</u> " VENT <u>hese</u> on <u>2</u> <u>ANOde</u> <u>Perfurnated</u> <u>Te The Top of 1</u> <u>HSCC 25 CB BARAfes</u> <u>HSCC 25 CB BARAfes</u> <u>HSCC 445 Tic MC4D5 To POHAAkope CAps</u> <u>Rured Epcxy over ShrivK S4ECUES</u> <u>All Construction Completed</u> <u>Matthe</u> (Signature) GROUND BED LAYOUT SKETCH	s e 1	ns 72	Ohms	μX	No. 8 C.P. Car			No. 2 C.P.	Cable Used
USEE 25 6 BARA fos USEE ULASTIC MOULDS TO POUL ANODE CAPS. POLEE EPCKY over Shrick Steeves All Construction Completed MC Mould (Signature) GROUND BED LAYOUT SKETCH	<b>R</b> , #				11				L
USEE 25 6 BARA fos USEE VLASTIC MOULDS TO POUL ANODE CAPS. Poured Epoxy over Shrick Steeves All Construction Completed Mill Construction Completed (Signature) GROUND BED LAYOUT SKETCH	narks: <u>4</u> V	ent he	se a	NZ AI	unde p	erturit.	Ted T	e The	Top of 1
Used ULASTIC MCGLDS TO PEUP ANODE CAPS. Perred Epexy over Shrick Steeves All Construction Completed Me Motor (Signature) GROUND BED LAYOUT SKETCH									, ,
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## 11-30-045-20992

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

Operator MERIDIAN OIL Location: Unit SW Sec.29 Twp 30 p	Rng_9
Name of Well/Wells or Pipeline ServicedMANSFIELD #11	
cps 108	85w
Elevation 5913'Completion Date 5/23/77 Total Depth 460' Land Type*	N/A
Casing, Sizes, Types & DepthsN/A	
·	
If Casing is cemented, show amounts & types used N/A	
If Cement or Bentonite Plugs have been placed, show depths & amounts	s used
N/A	
Depths & thickness of water zones with description of water when pos	sible:
Fresh, Clear, Salty, Sulphur, Etc. 60'	
Depths gas encountered: N/A	
Type & amount of coke breeze used: 36 SACKS	
Depths anodes placed: 280', 270', 260', 250', 250', 230', 220', 210', 200',	190'
Depths vent pipes placed: 300' OF 1"	
Vent pipe perforations: 120'	
Remarks:         Cgb #1         Oll CON	
DIST 3 DIV	

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

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

Page 41 of 89 Received by OCD: 6/13/2024 12:44:46 PM Hwipe El Paso Natural Gas Compan Form 7-238 (Rev. 11-71) WELL CASING CATHODIC PROTECTION CONSTRUCTION REPORT 1,06660 DAILY LOG Completion Date <u>5-23-77</u> Drilling Log (Attach Hereto). Well Name CPS No. SW 29-30 #, <u>1085</u>4 Type & Size Work 55164 No. Sacks Mud Used Total Lbs. Coke Used Anode Hole Dept Total Drilling Rig Time Lost Circulation Mat'l Used 460 Anode Depth # 3 260 # 4 250 5 240 # 6 230 : 2 270 ×7 220 ×8 210 ×9 200 × 10 190 \*1280 Anode Output (Amps) = 5 5.9 = 6 5.4 # 3 6.1 = 4 5.5 =76.1 86.5 # 10 **6. 0** = 9 5.7 = 16. 2 Anode Depth \* 11 # 12 # 13 \* 15 # 16 17 : 14 # 18 # 19 # 20 Anode Output (Amps) ¦# 12 - 11 # 13 # 15 : 18 = 19 # 20 # 16 17 Total Circuit Resistance No. 2 C.P. Cable Used Amps 26.3 Ohms 0-44 11.5 Volts Remarks: DRilled 460' Logged 291' WAter standing @ 60' Starting Inj @ 360'. Slurryed 36 SACKS OF CORE Perforated 120'of vent Pipe, Installed 300' 1" Ave vent Pipe 57255= 603 EASTE 20 Rectifice & Rectifice All Construction Completed Pole Needs to be set GROUND BED LAYOUT SKETCH Grad \_0 15 DISTRIBUTION: WHITE - Division Corrosion Office į 591<sup>3</sup> YELLOW - Area Corrosion Office PINK - Originator File

#### EL PASO NATURAL GAS COMPANY

DRILLING DEPARTMENT

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Received by OCD: 6/13/2024 12:44149 PM30-045-08812 Page 44 of 89 #3 = 30-045-20361 DATA SHEET FOR DEEP GROUND BED CATHODIC. PROTECTION WELLS NORTHWESTERN NEW MEXICO Operator Meridian Oil INC. Location: Unit C\_Sec. 01 Two 29 Rng 10 Name of Well/Wells.or Pipeline Serviced Quigley A#1 And SUNRAY F#3 Elevation 587/ Completion Date 6/25/94 Total Depth 370 Land Type F Casing Strings; Sizes, Types & Depths 6/24 Ser 98' of 8' Puc (AsiNg. No GAS, WATER, OF Boulders Were ENCOUNTERED DURING CASING. If Casing Strings are cemented, show amounts & types used ComenTeo WITH 19 SACKS. If Cement or Bentonite Plugs have been placed, show depths & amounts used None Depths & thickness of water zones with description of water: Fresh. Clear. Salty, Sulphur, Etc. HIT Some Fresh WATER AT 120, And More Fresh WATER AT 280. A WATER SAMPLE WAS TAKEN. Depths gas encountered: NONE Ground bed depth with type & amount of coke breeze used: 370' DenTH. 90 SACHS OF AS bury 218R (4500#) Depths anodes placed: 336, 328, 307, 299, 291, 283, 240, 230, 200, 210, 200, 190, 180, 170, + 160 Depths vent pipes placed: Sufface To 370. Vent pipe perforations: Bottom 250. Remarks: CHL CON. DIV.

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

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

Received by OCD: $\mathcal{A}$	AME ( . ) . NUMBER	27.9	4 A *1 A .370	and SUNRAY	Nome -	Moss
AND Mote U 370' OF 1" PE Coke Breeze	E Vent Pip	o. $A$ $WATCHe$ , $WITH$	et Samp The Bo	le WAS TI	AKON. ING	Tolled
	Company       Log         293       1.7         300       1.8         303       1.7         310       1.3         310       1.3         313       1.2         320       1.3         313       1.2         320       1.3         310       1.3         313       1.2         320       1.3         323       1.3         320       1.7         330       1.7         330       1.7         320       1.3         320       1.2         335       1.8         340       1.0         355       1.1         360       1.1         360       1.1         365       1.4         375       380         385       390         390       393         400       403         420       423         420       433         430       440         440       445         450       460		ANODE         A         A         A         A         B         B         B         B         B         B         B         B         B         C	ANODE DEPTH		мильт сок. р 7.5 7.4
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DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS NORTHWESTERN NEW MEXICO (Submit 3 copies to OCD Aztec Office)
Operator Texaco E4P Inc. Location: Unit A Sec. 36 Twp Rng 10 u Name of Well/Wells or Pipeline Serviced New Mexico Con #1
Elevation Completion Date $5/16/71$ Total Depth 300 Land Type* Casing, Sizes, Types & Depths $6^{3}/4^{"}$ hole to 300
If Casing is cemented, show amounts & types used Unknown
If Cement or Bentonite Plugs have been placed, show depths & amounts used Unknown
Depths & thickness of water zones with description of water when possible: Presh, Clear, Salty, Sulphur, Etc. See attached 109
Depths gas encountered:
Type & amount of coke breeze used: Depths anodes placed:
Depths vent pipes placed: Vent pipe perforations:
Remarks:

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

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

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DATA SHEET NO. \_\_\_\_2

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COMPANY TEXAGO INC	JOB No DATE:/6-7(
WELL: NEW MAX COM WELL No.	PIPELINE:
LOCATION: SEC26 TWP30 ROE/01	CO. SAN JAWA STATE NEW MEX
ELEV FT: ROTARY FT: (	CABLE TOOL FT: CASING FT.
GROUNDBED: DEPTH 300 FT. DIA. 6 3/1 IN.	GAB 74-SO LBS. ANODES 10 14 X60 CD-SI

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DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS NORTHWESTERN NEW MEXICO (Submit 3 copies to OCD Aztec Office) Operator <u>MERIDIAN OIL INC.</u> Location: Unit <u>H</u> Sec. <u>25</u> Twp <u>30</u> Name of Well/Wells or Pipeline Serviced <u>FLORANCE A #1</u> 	y OCD: 6/13/2024 12:44:46 PM	Page
NORTHWESTERN NEW MEXICO (Submit 3 copies to OCD Aztec Office) Operator <u>MERIDIAN OIL INC.</u> Location: Unit <u>H</u> Sec. <u>25</u> Twp <u>30</u> Name of Well/Wells or Pipeline Serviced <u>FLORANCE A #1</u> 		3519
NORTHWESTERN NEW MEXICO (Submit 3 copies to OCD Aztec Office) Operator <u>MERIDIAN OIL INC.</u> Location: Unit <u>H</u> Sec. <u>25</u> Twp <u>30</u> Name of Well/Wells or Pipeline Serviced <u>FLORANCE A #1</u> 		•
NORTHWESTERN NEW MEXICO (Submit 3 copies to OCD Aztec Office) Operator MERIDIAN OIL INC. Location: Unit H_Sec. 25 Twp30 Name of Well/Wells or Pipeline Serviced FLORANCE A #1 		
S-OQIGG       (Submit 3 copies to OCD Aztec Office)         Operator       MERIDIAN OIL INC.       Location: Unit H_Sec. 25 Twp30         Name of Well/Wells or Pipeline Serviced       FLORANCE A #1		
Name of Well/Wells or Pipeline Serviced       FLORANCE A #1	5-09199 (Submit 3 copi	
Cps Elevation 6309' Completion Date 10/31/88 Total Depth 460' Land Type* Casing, Sizes, Types & Depths	Operator <u>MERIDIAN OIL INC.</u>	Location: Unit H Sec. 25 Twp30 R
Cps Elevation 6309' Completion Date 10/31/88 Total Depth 460' Land Type* Casing, Sizes, Types & Depths	Name of Well/Wells or Pipeline S	Serviced FLORANCE A #1
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 & amount         N/A         Depths & thickness of water zones with description of water when por         Fresh, Clear, Salty, Sulphur, Etc.       45'         Depths gas encountered:       N/A         Type & amount of coke breeze used:       N/A         Depths anodes placed: 405', 395', 385', 375' - 360', 330', 215', 200', 190', 5         Depths vent pipes placed:       446'         Vent pipe perforations:       400'         Remarks:       25 #1         HOLE WENT BLIND AT 230'       MAX		cps 2
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 & amount         N/A         Depths & thickness of water zones with description of water when por         Fresh, Clear, Salty, Sulphur, Etc.       45'         Depths gas encountered:       N/A         Type & amount of coke breeze used:       N/A         Depths anodes placed: 405', 395', 385', 375' - 360', 330', 215', 200', 190', 5         Depths vent pipes placed:       446'         Vent pipe perforations:       400'         Remarks:       26 #1         HOLE WENT BLIND AT 230'       MA	Elevation 6309' Completion Date 10	/31/88 Total Depth 460' Land Type* N
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Fresh, Clear, Salty, Sulphur, Etc45'         Depths gas encountered:N/A         Type & amount of coke breeze used:N/A         Depths anodes placed: 405', 395', 385', 375'360', 330', 215', 200', 190',         Depths vent pipes placed:446'         Vent pipe perforations:400'         Remarks:25 #1 HOLE WENT BLIND AT 230'	N/A	
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Depths vent pipes placed: 446' Vent pipe perforations: 400' Remarks: gb #1 HOLE WENT BLIND AT 230'	Tupo ( amount of coke broose use	
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If any of the above data is unavailable, please indicate so. Copies of all logs, including Drillers Log, Water Analyses & Well Bore Schematics should be submitted when available. Unplugged abandoned wells are to be included.

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

WELL CASING CATHODIC PROTECTION CONSTRUCTION REPORT DAILY LOG

Drilling Log (Attach H	lereso)			с	ompletion D	2te_10/3/	188
CPS #	Well Name, Line or Plant:		Work Order #	Static:		Ins. Union Check	
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20286

D. CrASS DRILLING CO.

Drill No. <u></u>

DRILLER'S WELL LOG S. P. No. Florance 41-A Date 10-31-88 Client Meridian Q;/ Co. Prospect County SAN JUAN State New Mex.

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

and direction moved: \_ FORMATION - COLOR - HARDNESS FROM TO 40 0 SANdstone 40 50 SANC Shale 65 50 SANdstone 65 120 120 150 Shale 180 SANdstone 150 80 Shale 235 235 305 SANG 305 Shal 420 Spredy shale 420 460 Bran Mud Lime Rock Bit Number Make . Remarks: Water

Driller CONNic Brown

30-045-21433

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

Operator Meridian Oil INC. Location: Unit G Sec. 25 Twp 30 Rng 10 Name of Well/Wells.or Pipeline Serviced OTANCE A#3 Elevation 6/18 Completion Date 6/26/94 Total Depth 409 Land Type F OFS" PUC CASING. Casing Strings, Sizes, Types & Depths 6/24 Set 99 NO GAS, WATER OF Boulders Were ENCOUNTERED DURING CASING. If Casing Strings are cemented, show amounts & types used (emented WITH 20 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 110. A WATER SAMPLE WAS TAKEN. Depths gas encountered: NONE Ground bed depth with type & amount of coke breeze used: 409 DepTH. Used 104 SACKS OF ASbury 218R(5200#) Depths anodes placed: 350, 335, 300, 290, 275, 250, 240, 196, 188, 180, 172, 164, 156, 148, +140 Depths vent pipes placed: Surface To 409, Vent pipe perforations: <u>Bottom 290</u>. 1995 Remarks:  $\mathbb{O}$ 

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

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

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30-045 - 24384

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

Operator KOCH EXPLORATION COMPANY Location: Unit B Sec.25 Twp 30 Rng 10

Name of Well/Wells or Pipeline Serviced MANSFIELD 1E

Elevation 6079 Completion Date 7-21-82 Total Depth 360' Land Type \* F-SF-080766A

Casing, Sizes, Types & Depths\_\_\_\_NONE

If Casing is cemented, show amounts & types used

NONE

If Cement or Bentonite Plugs have been placed, show depths & amounts used NONE

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

Fresh, Clear, Salty, Sulphur, Etc.@-120' CLEAR, ALKALI

Depths gas encountered: NONE

Type & amount of coke breeze used: METALLURGICAL,2100#

Depths anodes placed: 315'-300'-255'-245'-235'-215'-205'-195'-185'-175'

Depths vent pipes placed: 350' Vent pipe perforations: FROM 170'DOWN

- MARN 6 1990

Remarks:

CON. DIV DIN A

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

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

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CORROSION CONTROL CO. G. BOX 179 - PHONE 334-6361 AZTEC, NEW MEXICO 87410 Completion Date 7-21-82 . Drilling Log (Attach Hereto). 🛛 Well Name cation MANS Field E#1 voe & Size Bit Used Work Order No. • a e o o Total Drilling Rig Time Total.bs.Coke.lised Lost Circulation Mat'l Used No. Sacks Mud Used Anode Hole Depth 2100# 360 12 hes Anode Depth 255 #4245 #\$ 235 1#8/95 315 #6 215 1#9/85 300 1#7205 1#10/75 #2 Anode Output (Amps) #5 3. 9 #7 3.6 #2 3.8 #63.5 4.0 3.8 #83,6 3.2 **0** 4 1#9 14.0 #10 3.8 # 1 Anode Depth #11 1#12 #16 #17 #19 #20 Anode Output (Amps) #15 #16 #17 #11 |#12 #13 # 1 4 #18 #19 #20 No. 8 C.P. Cable Used Total Circuit Resistance No. 2 C.P. Cable Used 19.8 2580 11.0 . jOhms 56 Amps Volts Used 360' of Vest pipe 120 Remarks: Neg Cable C. C.Ables ONE CENTRAL METER All Construction Completed rka (&ignature GROUND BED LAYOUT SKETCH Rectifier Groung Well Ser BERATOR HeAd



# APPENDIX C

Executed C-138 Solid Waste Acceptance Form

Received by OCD: 6/13/2024 12:44:46 PM District I 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 District III 100 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

	waste management racinty Operator
and G	enerator shall maintain and make this
	ation available for Division inspection.
uocumenta	97057-1125
	1031-1105

<b>REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE</b>
1. Generator Name and Address: Enterprise Field Services, LLC, 614 Reilly Ave, Farmington NM 87401
2. Originating Site: AFE: N65887 Florence #92 PM: Gary Turner
Pay Key: RB21200
2. Location of Material (Street Address, City, State or ULSTR): UL H Section 31 T30 R9W; 36.770647, -107.816134 April 2023
4. Source and Description of Waste: Source: Hydrocarbon contaminated soil associated with remediation activities from a natural gas pipeline release. Description: Hydrocarbon contaminated soil associated with remediation activities from a natural gas pipeline release. Estimated Volume $50 \text{ yd}^3$ bbls Known Volume (to be entered by the operator at the end of the haul) $\frac{184}{55} \text{ yd}^3$ / bbls
5. GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS
Thomas Long <sup>them Long</sup> , representative or authorized agent for Enterprise Products Operating do hereby Generator Signature certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: (Check the appropriate classification)
RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non- exempt waste. <u>Operator Use Only: Waste Acceptance Frequency</u> <u>Monthly</u> <u>Weekly</u> <u>Per Load</u>
RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items)
🗆 MSDS Information 🛛 RCRA Hazardous Waste Analysis 📄 Process Knowledge 📄 Other (Provide description in Box 4)
GENERATOR 19.15.36.15 WASTE TESTING CERTIFICATION STATEMENT FOR LANDFARMS
, Thomas Long 4-10-2023, representative for Enterprise Products Operating authorize to complete Generator Signature he required testing/sign the Generator Waste Testing Certification.
, <u>Greg</u> <u>Crabbre</u> , representative for <u>Envirotech, Inc.</u> do hereby certify that epresentative samples of the oil field waste have been subjected to the paint filter test and tested for chloride content and that the samples have been found to conform to the specific requirements applicable to landfarms pursuant to Section 15 of 19.15.36 NMAC. The results of the representative samples are attached to demonstrate the above-described waste conform to the requirements of Section 15 of 9.15.36 NMAC.
. Transporter: TBD
OCD Permitted Surface Waste Management Facility
Name and Facility Permit #: Envirotech, Inc. Soil Remediation Facility * Permit #: NM01-0011 Address of Facility: Hill Top, NM Method of Treatment and/or Disposal: Evaporation Injection Treating Plant Landfarm Dandfill Other Waste Acceptance Status:
APPROVED DENIED (Must Be Maintained As Permanent Record
PRINT NAME: Grastice TITLE: Enviro Manager DATE: 4/11/23
SIGNATURE:



# APPENDIX D

# **Photographic Documentation**

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#### SITE PHOTOGRAPHS

Closure Report Enterprise Field Services, LLC Florence #92 (04/13/23) Ensolum Project No. 05A1226237



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### 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 inprocess excavation activities.



#### SITE PHOTOGRAPHS

Closure Report Enterprise Field Services, LLC Florence #92 (04/13/23) Ensolum Project No. 05A1226237

E N S O L U M

#### Photograph 4

Photograph Description: View of the inprocess excavation activities.



#### Photograph 5

Photograph Description: View of the final excavation.



### Photograph 6

Photograph Description: View of the site after initial restoration.





# APPENDIX E

# **Regulatory Correspondence**

Released to Imaging: 6/25/2024 3:19:43 PM

From:	Kyle Summers
То:	Chad D"Aponti
Cc:	Ranee Deechilly
Subject:	FW: [EXTERNAL] Florence #92 - UL H Section 31 T30 R9W; 36.770647, -107.816134; Incident # nAPP2310326139
Date:	Thursday, April 13, 2023 1:04:24 PM
Attachments:	<u>imaqe003.pnq</u> <u>imaqe004.pnq</u> <u>imaqe005.pnq</u>



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

From: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Sent: Thursday, April 13, 2023 7:31 AM
To: Long, Thomas <tjlong@eprod.com>; slandon@blm.gov
Cc: Stone, Brian <bmstone@eprod.com>; Kyle Summers <ksummers@ensolum.com>
Subject: Re: [EXTERNAL] Florence #92 - UL H Section 31 T30 R9W; 36.770647, -107.816134; Incident # nAPP2310326139

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

Tom,

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

If an OCD representative is not on-site on the date &/or time given, please sample per 19.15.29 NMAC. 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@emnrd.nm.gov

http://www.emnrd.state.nm.us/OCD/



From: Long, Thomas <tilong@eprod.com>
Sent: Thursday, April 13, 2023 7:18 AM
To: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>; slandon@blm.gov <slandon@blm.gov>
Cc: Stone, Brian <br/>bmstone@eprod.com>; Kyle Summers <ksummers@ensolum.com>
Subject: [EXTERNAL] Florence #92 - UL H Section 31 T30 R9W; 36.770647, -107.816134; Incident #
nAPP2310326139

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

This email is a notification and a variance request. Enterprise is requesting a variance for required 48 hour notification per 19.15.29.12D (1a) NMAC. Enterprise would like to collect soil samples for laboratory analysis tomorrow April 14, 2023 at 10:00 a.m. at the Florence #92 excavation. Please acknowledge acceptance of this variance request. If you have any questions, please call or email.

Thank you,

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



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



# APPENDIX F

# Table 1 – Soil Analytical Summary

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### ENSOLUM

	TABLE 1         Florence #92 (04/13/23)         SOIL ANALYTICAL SUMMARY												
Sample I.D.	Date	Sample Type C- Composite G - Grab	Sample Depth (feet)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Total BTEX <sup>1</sup> (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH MRO (mg/kg)	Total Combined TPH (GRO/DRO/MRO) <sup>1</sup> (mg/kg)	Chloride (mg/kg)
	•••·	Natural Resource On Closure Criter	ces Department ia (Tier I)	10	NE	NE	NE	50	NE	NE	NE	100	600
						Excavation Com	posite Soil Sam	ples					
S-1	04.14.23	С	10	<0.019	<0.039	<0.039	<0.078	ND	<3.9	<9.9	<50	ND	<60
S-2	04.14.23	С	10	<0.017	<0.034	<0.034	<0.068	ND	<3.4	<9.0	<45	ND	65
S-3	04.14.23	С	0 to 10	<0.024	<0.049	<0.049	<0.097	ND	<4.9	<10	<50	ND	<60
S-4	04.14.23	С	0 to 10	<0.017	<0.035	<0.035	<0.070	ND	<3.5	<9.5	<47	ND	<60
S-5	04.14.23	С	0 to 10	<0.022	<0.043	<0.043	<0.086	ND	<4.3	<9.5	<47	ND	<60
S-6	04.14.23	С	0 to 10	<0.021	<0.043	<0.043	<0.086	ND	<4.3	<9.9	<49	ND	<60
S-7	04.14.23	С	0 to 10	<0.023	<0.045	<0.045	<0.090	ND	<4.5	<9.5	<48	ND	<60
S-8	04.14.23	С	0 to 10	<0.020	<0.039	<0.039	<0.078	ND	<3.9	<9.7	<49	ND	<60

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

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

NE = Not established

mg/kg = milligram per kilogram

BTEX = Benzene, Toluene, Ethylbenzene, and Xylenes

TPH = Total Petroleum Hydrocarbon

GRO = Gasoline Range Organics

DRO = Diesel Range Organics

MRO = Motor Oil/Lube Oil Range Organics



# APPENDIX G

# Laboratory Data Sheets & Chain of Custody Documentation

Released to Imaging: 6/25/2024 3:19:43 PM



April 20, 2023

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

OrderNo.: 2304659

Hall Environmental Analysis Laboratory

TEL: 505-345-3975 FAX: 505-345-4107

Website: www.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109

RE: Florance 92

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 8 sample(s) on 4/15/2023 for the analyses presented in the following report.

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

Please don't hesitate to contact HEAL for any additional information or clarifications.

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2304659 Date Reported: 4/20/2023

CLIENT:	ENSOLUM	Client Sample ID: S-1
<b>Project:</b>	Florance 92	Collection Date: 4/14/2023 10:00:00 AM
Lab ID:	2304659-001	Matrix: MEOH (SOIL) Received Date: 4/15/2023 8:40:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst:	CAS
Chloride	ND	60	mg/Kg	20	4/17/2023 12:47:56 PM	74353
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst:	PRD
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	4/17/2023 10:30:36 AM	74347
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	4/17/2023 10:30:36 AM	74347
Surr: DNOP	106	69-147	%Rec	1	4/17/2023 10:30:36 AM	74347
EPA METHOD 8015D: GASOLINE RANGE					Analyst:	ССМ
Gasoline Range Organics (GRO)	ND	3.9	mg/Kg	1	4/17/2023 11:55:00 AM	GS9606{
Surr: BFB	87.3	37.7-212	%Rec	1	4/17/2023 11:55:00 AM	GS9606{
EPA METHOD 8021B: VOLATILES					Analyst:	ССМ
Benzene	ND	0.019	mg/Kg	1	4/17/2023 11:55:00 AM	BS96065
Toluene	ND	0.039	mg/Kg	1	4/17/2023 11:55:00 AM	BS96065
Ethylbenzene	ND	0.039	mg/Kg	1	4/17/2023 11:55:00 AM	BS96065
Xylenes, Total	ND	0.078	mg/Kg	1	4/17/2023 11:55:00 AM	BS96065
Surr: 4-Bromofluorobenzene	84.8	70-130	%Rec	1	4/17/2023 11:55:00 AM	BS96065

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

**Qualifiers:** 

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

Page 1 of 12

### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2304659

Date Reported: 4/20/2023

CLIENT	ENSOLUM	Client Sample ID: S-2
Project:	Florance 92	Collection Date: 4/14/2023 10:05:00 AM
Lab ID:	2304659-002	<b>Matrix:</b> MEOH (SOIL) <b>Received Date:</b> 4/15/2023 8:40:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst:	CAS
Chloride	65	60	mg/Kg	20	4/17/2023 1:00:20 PM	74353
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst:	PRD
Diesel Range Organics (DRO)	ND	9.0	mg/Kg	1	4/17/2023 10:51:40 AM	74347
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	4/17/2023 10:51:40 AM	74347
Surr: DNOP	96.7	69-147	%Rec	1	4/17/2023 10:51:40 AM	74347
EPA METHOD 8015D: GASOLINE RANGE					Analyst:	ССМ
Gasoline Range Organics (GRO)	ND	3.4	mg/Kg	1	4/17/2023 12:17:00 PM	GS9606{
Surr: BFB	88.9	37.7-212	%Rec	1	4/17/2023 12:17:00 PM	GS9606{
EPA METHOD 8021B: VOLATILES					Analyst:	ССМ
Benzene	ND	0.017	mg/Kg	1	4/17/2023 12:17:00 PM	BS96065
Toluene	ND	0.034	mg/Kg	1	4/17/2023 12:17:00 PM	BS96065
Ethylbenzene	ND	0.034	mg/Kg	1	4/17/2023 12:17:00 PM	BS96065
Xylenes, Total	ND	0.068	mg/Kg	1	4/17/2023 12:17:00 PM	BS96065
Surr: 4-Bromofluorobenzene	85.5	70-130	%Rec	1	4/17/2023 12:17:00 PM	BS96065

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

**Qualifiers:** 

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

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### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2304659 Date Reported: 4/20/2023

CLIENT:	ENSOLUM	Client Sample ID: S-3
<b>Project:</b>	Florance 92	Collection Date: 4/14/2023 10:10:00 AM
Lab ID:	2304659-003	<b>Matrix:</b> MEOH (SOIL) <b>Received Date:</b> 4/15/2023 8:40:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst:	CAS
Chloride	ND	60	mg/Kg	20	4/17/2023 1:12:45 PM	74353
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst:	PRD
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	4/17/2023 11:23:18 AM	74347
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	4/17/2023 11:23:18 AM	74347
Surr: DNOP	97.1	69-147	%Rec	1	4/17/2023 11:23:18 AM	74347
EPA METHOD 8015D: GASOLINE RANGE					Analyst:	ССМ
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	4/17/2023 12:38:00 PM	GS9606{
Surr: BFB	90.2	37.7-212	%Rec	1	4/17/2023 12:38:00 PM	GS9606{
EPA METHOD 8021B: VOLATILES					Analyst:	ССМ
Benzene	ND	0.024	mg/Kg	1	4/17/2023 12:38:00 PM	BS96065
Toluene	ND	0.049	mg/Kg	1	4/17/2023 12:38:00 PM	BS96065
Ethylbenzene	ND	0.049	mg/Kg	1	4/17/2023 12:38:00 PM	BS96065
Xylenes, Total	ND	0.097	mg/Kg	1	4/17/2023 12:38:00 PM	BS96065
Surr: 4-Bromofluorobenzene	85.8	70-130	%Rec	1	4/17/2023 12:38:00 PM	BS96065

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

**Qualifiers:** 

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

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**Analytical Report** Lab Order 2304659

Date Reported: 4/20/2023

### Hall Environmental Analysis Laboratory, Inc.

**CLIENT: ENSOLUM Client Sample ID: S-4 Project:** Florance 92 Collection Date: 4/14/2023 10:15:00 AM 2304659-004 Lab ID: Matrix: MEOH (SOIL) Received Date: 4/15/2023 8:40:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst:	CAS
Chloride	ND	60	mg/Kg	20	4/17/2023 1:25:10 PM	74353
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst:	PRD
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	4/17/2023 11:33:52 AM	74347
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	4/17/2023 11:33:52 AM	74347
Surr: DNOP	95.2	69-147	%Rec	1	4/17/2023 11:33:52 AM	74347
EPA METHOD 8015D: GASOLINE RANGE					Analyst	ССМ
Gasoline Range Organics (GRO)	ND	3.5	mg/Kg	1	4/17/2023 1:00:00 PM	GS9606{
Surr: BFB	91.1	37.7-212	%Rec	1	4/17/2023 1:00:00 PM	GS9606{
EPA METHOD 8021B: VOLATILES					Analyst	ССМ
Benzene	ND	0.017	mg/Kg	1	4/17/2023 1:00:00 PM	BS96065
Toluene	ND	0.035	mg/Kg	1	4/17/2023 1:00:00 PM	BS96065
Ethylbenzene	ND	0.035	mg/Kg	1	4/17/2023 1:00:00 PM	BS96065
Xylenes, Total	ND	0.070	mg/Kg	1	4/17/2023 1:00:00 PM	BS96065
Surr: 4-Bromofluorobenzene	87.4	70-130	%Rec	1	4/17/2023 1:00:00 PM	BS96065

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

**Qualifiers:** 

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

RL

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### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2304659

Date Reported: 4/20/2023

CLIENT	ENSOLUM	Client Sample ID: S-5
Project:	Florance 92	Collection Date: 4/14/2023 10:20:00 AM
Lab ID:	2304659-005	Matrix: MEOH (SOIL) Received Date: 4/15/2023 8:40:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst:	CAS
Chloride	ND	60	mg/Kg	20	4/17/2023 1:37:34 PM	74353
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst:	PRD
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	4/17/2023 11:54:58 AM	74347
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	4/17/2023 11:54:58 AM	74347
Surr: DNOP	95.0	69-147	%Rec	1	4/17/2023 11:54:58 AM	74347
EPA METHOD 8015D: GASOLINE RANGE					Analyst:	ССМ
Gasoline Range Organics (GRO)	ND	4.3	mg/Kg	1	4/17/2023 1:21:00 PM	GS9606{
Surr: BFB	88.4	37.7-212	%Rec	1	4/17/2023 1:21:00 PM	GS9606
EPA METHOD 8021B: VOLATILES					Analyst:	ССМ
Benzene	ND	0.022	mg/Kg	1	4/17/2023 1:21:00 PM	BS96065
Toluene	ND	0.043	mg/Kg	1	4/17/2023 1:21:00 PM	BS96065
Ethylbenzene	ND	0.043	mg/Kg	1	4/17/2023 1:21:00 PM	BS96065
Xylenes, Total	ND	0.086	mg/Kg	1	4/17/2023 1:21:00 PM	BS96065
Surr: 4-Bromofluorobenzene	83.2	70-130	%Rec	1	4/17/2023 1:21:00 PM	BS96065

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

**Qualifiers:** 

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

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**Analytical Report** 

### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2304659 Date Reported: 4/20/2023

CLIENT:	ENSOLUM	Client Sample ID: S-6
Project:	Florance 92	Collection Date: 4/14/2023 10:25:00 AM
Lab ID:	2304659-006	Matrix: MEOH (SOIL) Received Date: 4/15/2023 8:40:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst:	CAS
Chloride	ND	60	mg/Kg	20	4/17/2023 1:49:59 PM	74353
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst:	PRD
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	4/17/2023 12:05:33 PM	74347
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	4/17/2023 12:05:33 PM	74347
Surr: DNOP	95.4	69-147	%Rec	1	4/17/2023 12:05:33 PM	74347
EPA METHOD 8015D: GASOLINE RANGE					Analyst:	ССМ
Gasoline Range Organics (GRO)	ND	4.3	mg/Kg	1	4/17/2023 1:43:00 PM	GS9606{
Surr: BFB	86.0	37.7-212	%Rec	1	4/17/2023 1:43:00 PM	GS9606{
EPA METHOD 8021B: VOLATILES					Analyst:	ССМ
Benzene	ND	0.021	mg/Kg	1	4/17/2023 1:43:00 PM	BS96065
Toluene	ND	0.043	mg/Kg	1	4/17/2023 1:43:00 PM	BS96065
Ethylbenzene	ND	0.043	mg/Kg	1	4/17/2023 1:43:00 PM	BS96065
Xylenes, Total	ND	0.086	mg/Kg	1	4/17/2023 1:43:00 PM	BS96065
Surr: 4-Bromofluorobenzene	81.7	70-130	%Rec	1	4/17/2023 1:43:00 PM	BS96065

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

**Qualifiers:** 

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

Reporting Limit

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**Analytical Report** 

### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2304659 Date Reported: 4/20/2023

CLIENT:	ENSOLUM	Client Sample ID: S-7
<b>Project:</b>	Florance 92	Collection Date: 4/14/2023 10:30:00 AM
Lab ID:	2304659-007	<b>Matrix:</b> MEOH (SOIL) <b>Received Date:</b> 4/15/2023 8:40:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst:	CAS
Chloride	ND	60	mg/Kg	20	4/17/2023 2:02:24 PM	74353
EPA METHOD 8015M/D: DIESEL RANGE OF	GANICS				Analyst:	PRD
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	4/17/2023 12:26:43 PM	74347
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	4/17/2023 12:26:43 PM	74347
Surr: DNOP	96.6	69-147	%Rec	1	4/17/2023 12:26:43 PM	74347
EPA METHOD 8015D: GASOLINE RANGE					Analyst:	ССМ
Gasoline Range Organics (GRO)	ND	4.5	mg/Kg	1	4/17/2023 2:04:00 PM	GS9606{
Surr: BFB	87.0	37.7-212	%Rec	1	4/17/2023 2:04:00 PM	GS9606{
EPA METHOD 8021B: VOLATILES					Analyst:	ССМ
Benzene	ND	0.023	mg/Kg	1	4/17/2023 2:04:00 PM	BS96065
Toluene	ND	0.045	mg/Kg	1	4/17/2023 2:04:00 PM	BS96065
Ethylbenzene	ND	0.045	mg/Kg	1	4/17/2023 2:04:00 PM	BS96065
Xylenes, Total	ND	0.090	mg/Kg	1	4/17/2023 2:04:00 PM	BS96065
Surr: 4-Bromofluorobenzene	82.6	70-130	%Rec	1	4/17/2023 2:04:00 PM	BS96065

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

**Qualifiers:** 

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

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**Analytical Report** 

### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2304659

Date Reported: 4/20/2023

CLIENT	ENSOLUM	Client Sample ID: S-8
Project:	Florance 92	Collection Date: 4/14/2023 10:35:00 AM
Lab ID:	2304659-008	Matrix: MEOH (SOIL) Received Date: 4/15/2023 8:40:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst:	CAS
Chloride	ND	60	mg/Kg	20	4/17/2023 2:14:49 PM	74353
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst:	PRD
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	4/17/2023 12:37:20 PM	74347
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	4/17/2023 12:37:20 PM	74347
Surr: DNOP	91.5	69-147	%Rec	1	4/17/2023 12:37:20 PM	74347
EPA METHOD 8015D: GASOLINE RANGE					Analyst:	ССМ
Gasoline Range Organics (GRO)	ND	3.9	mg/Kg	1	4/17/2023 2:26:00 PM	GS9606{
Surr: BFB	91.8	37.7-212	%Rec	1	4/17/2023 2:26:00 PM	GS9606
EPA METHOD 8021B: VOLATILES					Analyst:	ССМ
Benzene	ND	0.020	mg/Kg	1	4/17/2023 2:26:00 PM	BS96065
Toluene	ND	0.039	mg/Kg	1	4/17/2023 2:26:00 PM	BS96065
Ethylbenzene	ND	0.039	mg/Kg	1	4/17/2023 2:26:00 PM	BS96065
Xylenes, Total	ND	0.078	mg/Kg	1	4/17/2023 2:26:00 PM	BS96065
Surr: 4-Bromofluorobenzene	83.8	70-130	%Rec	1	4/17/2023 2:26:00 PM	BS96065

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

\* **Qualifiers:** 

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

RL

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Client: Project:	ENSOL Florance								
Sample ID:	MB-74353	SampType: <b>r</b>	blk	Tes	Code: EPA Met	hod 300.0: An	ions		
Client ID:	PBS	Batch ID: 7	4353	R	unNo: <b>96079</b>				
Prep Date:	4/17/2023	Analysis Date:	/17/2023	S	eqNo: <b>347971</b> 3	Units: <b>m</b>	g/Kg		
Analyte		Result PQL	SPK value	SPK Ref Val	%REC LowL	imit HighLin	nit %RPD	RPDLimit	Qual
Chloride		ND 1.5	5						
Sample ID:	LCS-74353	SampType: Ic	S	Tes	Code: EPA Met	hod 300.0: An	ions		
Client ID:	LCSS	Batch ID: 7	4353	R	unNo: <b>96079</b>				
Prep Date:	4/17/2023	Analysis Date:	/17/2023	S	eqNo: <b>3479714</b>	Units: <b>m</b>	g/Kg		
Analyte		Result PQL	SPK value	SPK Ref Val	%REC LowL	imit HighLin	nit %RPD	RPDLimit	Qual
Chloride		14 1.5	5 15.00	0	93.1	90 11	0		

#### Qualifiers:

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

2304659

20-Apr-23

WO#:

# QC SUMMARY REPORT H

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ZC SUMMART KEI ORI	WO#:	2304659
Iall Environmental Analysis Laboratory, Inc.		20-Apr-23

Client: ENSOL Project: Floranc	-								
•									
Sample ID: MB-74347	SampTyp	e: MBLK	Tes	stCode: EP	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: PBS	Batch ID	D: <b>74347</b>	F	RunNo: <b>96</b>	6078				
Prep Date: 4/17/2023	Analysis Date	e: 4/17/2023	S	SeqNo: <b>34</b>	479110	Units: mg/k	(g		
Analyte	Result F	PQL SPK valu	e SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10							
Motor Oil Range Organics (MRO)	ND	50							
Surr: DNOP	9.4	10.0	0	93.5	69	147			
Sample ID: LCS-74347	SampTyp	e: LCS	Tes	stCode: EF	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: LCSS	Batch ID	D: <b>74347</b>	F	RunNo: 96078					
Prep Date: 4/17/2023	Analysis Date	e: <b>4/17/2023</b>	S	SeqNo: 3479111			íg		
Analyte	Result F	PQL SPK valu	e SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	41	10 50.0	0 0	82.8	61.9	130			
Surr: DNOP	4.6	5.00	0	91.6	69	147			
Sample ID: 2304659-001AM	<b>S</b> SampTyp	e: MS	Tes	tCode: EF	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: S-1	Batch ID	D: 74347	F	RunNo: <b>96</b>	6078				
Prep Date: 4/17/2023	Analysis Date	e: 4/17/2023	S	SeqNo: 34	479118	Units: mg/k	g		
Analyte	Result F	PQL SPK valu	e SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	42	9.5 47.2	6 0	89.4	54.2	135			
Surr: DNOP	4.8	4.72	6	102	69	147			
Sample ID: 2304659-001AM	SD SampTyp	e: MSD	Tes	tCode: EF	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID: S-1	Batch ID	D: 74347	F	RunNo: <b>96</b>	6078				
Prep Date: 4/17/2023	Analysis Date	e: <b>4/17/2023</b>	S	SeqNo: <b>34</b>	479119	Units: mg/k	(g		
Analyte	Result F	PQL SPK valu	e SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43	9.5 47.4	4 0	91.3	54.2	135	2.50	29.2	
Surr: DNOP	4.7	4.74	4	98.5	69	147	0	0	

### Qualifiers:

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

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**ENSOLUM** 

**Client:** 

Prep Date:

## QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Analysis Date: 4/17/2023

Project: Florance	92									
Sample ID: 2.5ug gro Ics	SampT	Type: LC	S	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	e	
Client ID: LCSS	Batc	Batch ID: GS96065 RunNo: 96065								
Prep Date:	Analysis E	Date: 4/	17/2023	5	SeqNo: 3	478595	Units: <b>mg/</b> #	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	25.00	0	87.8	70	130			
Surr: BFB	2300		1000		229	37.7	212			S
Sample ID: <b>mb</b>	SampT	Type: ME	BLK	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	e	
Client ID: PBS	Batc	h ID: <b>GS</b>	<b>696065</b>	F	RunNo: <b>9</b>	6065				
Prep Date:	Analysis E	Date: 4/	17/2023	5	SeqNo: 3	478596	Units: <b>mg/</b> #	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	980		1000		98.4	37.7	212			
Sample ID: 2304659-001ams		-	_	_						
Campie ID: 2304033-00 Tams	SampT	Гуре: М	5	les	tCode: El	PA Method	8015D: Gasc	oline Rang	е	

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	18	3.9	19.41	0	91.0	70	130			
Surr: BFB	1700		776.4		222	37.7	212			S
Sample ID: 2304659-001amsd SampType: MSD TestCode: EPA Method 8015D: Gasoline Range										
Client ID: S-1	Batcl	n ID: <b>GS</b>	96065	RunNo: 96065						
Prep Date:	Analysis D	ate: 4/	17/2023	S	eqNo: 3	479813	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	16	3.9	19.41	0	84.4	70	130	7.48	20	
Surr: BFB	1600		776.4		206	37.7	212	0	0	

SeqNo: 3479812

Units: mg/Kg

#### Qualifiers:

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

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### WO#: 2304659 20-Apr-23

**ENSOLUM** 

Florance 92

**Client:** 

**Project:** 

Sample ID: 100ng btex Ics

## **QC SUMMARY REPORT** Hall Environmental Analysis Laboratory, Inc.

SampType: LCS

	•									
Client ID: LCSS	Batc	h ID: <b>BS</b>	96065	F	unNo: 9	6065				
Prep Date:	Analysis I	Date: 4/	17/2023	S	eqNo: 34	478599	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.96	0.025	1.000	0	95.6	80	120			
Toluene	0.98	0.050	1.000	0	97.5	80	120			
Ethylbenzene	0.98	0.050	1.000	0	97.5	80	120			
Xylenes, Total	2.9	0.10	3.000	0	97.3	80	120			
Surr: 4-Bromofluorobenzene	0.98		1.000		97.6	70	130			
Sample ID: <b>mb</b>	Samp	Туре: <b>МЕ</b>	BLK	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: PBS	Batc	h ID: <b>BS</b>	96065	F	lunNo: <b>9</b>	6065				
Prep Date:	Analysis I	Date: 4/	17/2023	S	eqNo: 34	478600	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.95		1.000		95.0	70	130			
Sample ID: 2304659-002ams SampType: MS TestCode: EPA Method 8021B: Volatiles										
Client ID: S-2		h ID: BS			unNo: 9					
		h ID: BS	96065	F		6065	Units: mg/K			
Client ID: S-2	Bato	h ID: BS	96065 17/2023	F	unNo: <b>9</b>	6065	Units: <b>mg/K</b> HighLimit		RPDLimit	Qual
Client ID: <b>S-2</b> Prep Date:	Batc Analysis I	h ID: <b>BS</b> Date: <b>4/</b>	96065 17/2023	F S	tunNo: 9 GeqNo: 34	6065 479821	_	g	RPDLimit	Qual
Client ID: <b>S-2</b> Prep Date: Analyte	Batc Analysis I Result	h ID: BS Date: 4/ PQL	96065 17/2023 SPK value	R S SPK Ref Val	aunNo: 90 SeqNo: 34 %REC	5065 479821 LowLimit	HighLimit	g	RPDLimit	Qual
Client ID: <b>S-2</b> Prep Date: Analyte Benzene	Batc Analysis I Result 0.70	h ID: <b>BS</b> Date: <b>4/</b> PQL 0.017	96065 17/2023 SPK value 0.6761	F S SPK Ref Val 0	tunNo: 96 SeqNo: 34 %REC 103	6065 479821 LowLimit 68.8	HighLimit 120	g	RPDLimit	Qual
Client ID: <b>S-2</b> Prep Date: Analyte Benzene Toluene	Batc Analysis I Result 0.70 0.70	h ID: <b>BS</b> Date: <b>4/</b> PQL 0.017 0.034	<b>96065</b> <b>17/2023</b> SPK value 0.6761 0.6761	F SPK Ref Val 0 0	RunNo: 9 GeqNo: 3 <u>%REC</u> 103 104	6065 479821 LowLimit 68.8 73.6	HighLimit 120 124	g	RPDLimit	Qual
Client ID: <b>S-2</b> Prep Date: Analyte Benzene Toluene Ethylbenzene	Bato Analysis I Result 0.70 0.70 0.68	h ID: <b>BS</b> Date: <b>4</b> / PQL 0.017 0.034 0.034	96065 17/2023 SPK value 0.6761 0.6761 0.6761	F S SPK Ref Val 0 0 0	2unNo: 9 6eqNo: 34 <u>%REC</u> 103 104 100	6065 479821 LowLimit 68.8 73.6 72.7	HighLimit 120 124 129	g	RPDLimit	Qual
Client ID: <b>S-2</b> Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total	Batc Analysis I Result 0.70 0.68 2.0 0.56	h ID: <b>BS</b> Date: <b>4</b> / PQL 0.017 0.034 0.034	896065 17/2023 SPK value 0.6761 0.6761 2.028 0.6761	F S SPK Ref Val 0 0 0 0	2unNo: 9 6eqNo: 3 %REC 103 104 100 99.0 82.2	<b>5065</b> <b>479821</b> <b>LowLimit</b> 68.8 73.6 72.7 75.7 70	HighLimit 120 124 129 126	g %RPD	RPDLimit	Qual
Client ID: <b>S-2</b> Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene	Batc Analysis I 0.70 0.70 0.68 2.0 0.56 d Samp	h ID: <b>BS</b> Date: <b>4</b> / PQL 0.017 0.034 0.034 0.068	<b>SPK value</b> 0.6761 0.6761 0.6761 2.028 0.6761	F SPK Ref Val 0 0 0 0 0 Tes	2unNo: 9 6eqNo: 3 %REC 103 104 100 99.0 82.2	6065 479821 LowLimit 68.8 73.6 72.7 75.7 70 PA Method	HighLimit 120 124 129 126 130	g %RPD	RPDLimit	Qual
Client ID: S-2 Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID: 2304659-002ams	Batc Analysis I 0.70 0.70 0.68 2.0 0.56 d Samp	h ID: <b>BS</b> Date: <b>4</b> / PQL 0.017 0.034 0.034 0.068 Type: <b>MS</b> h ID: <b>BS</b>	e96065 17/2023 SPK value 0.6761 0.6761 2.028 0.6761 2.028 0.6761 5D 596065	F SPK Ref Val 0 0 0 0 0 Tes F	RunNo: 9 GeqNo: 3 %REC 103 104 100 99.0 82.2 tCode: El	6065 479821 68.8 73.6 72.7 75.7 70 PA Method 6065	HighLimit 120 124 129 126 130	Sg %RPD	RPDLimit	Qual
Client ID: S-2 Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID: 2304659-002ams Client ID: S-2	Batc Analysis I 0.70 0.70 0.68 2.0 0.56 d Samp Batc	h ID: <b>BS</b> Date: <b>4</b> / PQL 0.017 0.034 0.034 0.068 Type: <b>MS</b> h ID: <b>BS</b>	896065 17/2023 SPK value 0.6761 0.6761 2.028 0.6761 2.028 0.6761 50 596065 17/2023	F SPK Ref Val 0 0 0 0 0 Tes F	2unNo: 9 3eqNo: 3 %REC 103 104 100 99.0 82.2 tCode: El 2unNo: 9	6065 479821 68.8 73.6 72.7 75.7 70 PA Method 6065	HighLimit 120 124 129 126 130 8021B: Volat	Sg %RPD	RPDLimit	Qual
Client ID: S-2 Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID: 2304659-002ams Client ID: S-2 Prep Date:	Bato Analysis I 0.70 0.70 0.68 2.0 0.56 d Samp Bato Analysis I Result 0.66	h ID: BS Date: 4/ PQL 0.017 0.034 0.034 0.068 Type: MS h ID: BS Date: 4/	e96065 17/2023 SPK value 0.6761 0.6761 2.028 0.6761 2.028 0.6761 50 96065 17/2023 SPK value 0.6761	F SPK Ref Val 0 0 0 0 0 Tes F S	RunNo: 9 SeqNo: 3 %REC 103 104 100 99.0 82.2 Code: El RunNo: 9 SeqNo: 3	6065 479821 LowLimit 68.8 73.6 72.7 75.7 70 PA Method 6065 479822	HighLimit 120 124 129 126 130 8021B: Volat	5g %RPD tiles 5g %RPD 5.26		
Client ID: S-2 Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID: 2304659-002ams Client ID: S-2 Prep Date: Analyte	Bato Analysis I 0.70 0.70 0.68 2.0 0.56 d Samp Bato Analysis I Result 0.66 0.67	h ID: BS Date: 4/ PQL 0.017 0.034 0.034 0.034 0.068 Type: MS h ID: BS Date: 4/ PQL 0.017 0.034	e96065 17/2023 SPK value 0.6761 0.6761 2.028 0.6761 2.028 0.6761 50 596065 17/2023 SPK value 0.6761 0.6761 0.6761	F SPK Ref Val 0 0 0 0 Tes 5 SPK Ref Val 0 0	2unNo: 9 SeqNo: 3 %REC 103 104 100 99.0 82.2 Code: El SeqNo: 3 %REC 98.0 98.4	5065 479821 LowLimit 68.8 73.6 72.7 75.7 70 PA Method 5065 479822 LowLimit	HighLimit 120 124 129 126 130 8021B: Volat Units: mg/K HighLimit	Sg %RPD iiles Sg %RPD	RPDLimit	
Client ID: S-2 Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID: 2304659-002ams Client ID: S-2 Prep Date: Analyte Benzene	Bato Analysis I 0.70 0.70 0.68 2.0 0.56 d Samp Bato Analysis I Result 0.66	h ID: BS Date: 4/ PQL 0.017 0.034 0.034 0.034 0.068 Type: MS h ID: BS Date: 4/ PQL 0.017	e96065 17/2023 SPK value 0.6761 0.6761 2.028 0.6761 5D 596065 17/2023 SPK value 0.6761 0.6761 0.6761 0.6761	F SPK Ref Val 0 0 0 0 Tes F SPK Ref Val 0	2unNo: 9 SeqNo: 3 %REC 103 104 100 99.0 82.2 tCode: El 2unNo: 9 SeqNo: 3 %REC 98.0 98.4 96.2	5065 479821 LowLimit 68.8 73.6 72.7 75.7 70 74 Method 5065 479822 LowLimit 68.8 73.6 72.7	HighLimit 120 124 129 126 130 8021B: Volat Units: mg/K HighLimit 120	2g %RPD tiles 2g %RPD 5.26 5.08 4.15	RPDLimit 20	
Client ID: S-2 Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID: 2304659-002ams Client ID: S-2 Prep Date: Analyte Benzene Toluene	Bato Analysis I 0.70 0.70 0.68 2.0 0.56 d Samp Bato Analysis I Result 0.66 0.67	h ID: BS Date: 4/ PQL 0.017 0.034 0.034 0.034 0.068 Type: MS h ID: BS Date: 4/ PQL 0.017 0.034	e96065 17/2023 SPK value 0.6761 0.6761 2.028 0.6761 2.028 0.6761 50 596065 17/2023 SPK value 0.6761 0.6761 0.6761	F SPK Ref Val 0 0 0 0 Tes 5 SPK Ref Val 0 0	2unNo: 9 SeqNo: 3 %REC 103 104 100 99.0 82.2 Code: El SeqNo: 3 %REC 98.0 98.4	5065 479821 LowLimit 68.8 73.6 72.7 75.7 70 PA Method 5065 479822 LowLimit 68.8 73.6	HighLimit 120 124 129 126 130 8021B: Volat Units: mg/K HighLimit 120 124	2g %RPD tiles 2g %RPD 5.26 5.08	RPDLimit 20 20	
Client ID: S-2 Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID: 2304659-002ams Client ID: S-2 Prep Date: Analyte Benzene Toluene Ethylbenzene	Bato Analysis I 0.70 0.70 0.68 2.0 0.56 d Samp Bato Analysis I <u>Result</u> 0.66 0.67 0.65	h ID: BS Date: 4/ PQL 0.017 0.034 0.034 0.034 0.068 Type: MS h ID: BS Date: 4/ PQL 0.017 0.034 0.034	e96065 17/2023 SPK value 0.6761 0.6761 2.028 0.6761 5D 596065 17/2023 SPK value 0.6761 0.6761 0.6761 0.6761	F SPK Ref Val 0 0 0 0 0 Tes 5 SPK Ref Val 0 0 0 0	2unNo: 9 SeqNo: 3 %REC 103 104 100 99.0 82.2 tCode: El 2unNo: 9 SeqNo: 3 %REC 98.0 98.4 96.2	5065 479821 LowLimit 68.8 73.6 72.7 75.7 70 74 Method 5065 479822 LowLimit 68.8 73.6 72.7	HighLimit 120 124 129 126 130 8021B: Volat Units: mg/K HighLimit 120 124 129	2g %RPD tiles 2g %RPD 5.26 5.08 4.15	RPDLimit 20 20 20	

TestCode: EPA Method 8021B: Volatiles

#### **Qualifiers:**

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

Page 12 of 12

WO#: 2304659

20-Apr-23

HALL ENVIRONMENTAL ANALYSIS LABORATORY	Hall Environmental Albu TEL: 505-345-3975 Website: www.hau	490 querq FAX:	1 Hawkins NI ue, NM 87109 505-345-4107	s 9 Sar	mple Log-Ir	n Check List
Client Name: ENSOLUM	Work Order Number:	2304	4659		Rcp	otNo: 1
Received By: Cheyenne Cason	4/15/2023 8:40:00 AM		C	heal		
Completed By: Cheyenne Cason	4/15/2023 9:27:27 AM		6	hul		
Reviewed By: JN4117123						
Chain of Custody						
1. Is Chain of Custody complete?		Yes	$\checkmark$	No 🗌	Not Present	
2. How was the sample delivered?		<u>Cour</u>	rier			
Log In 3. Was an attempt made to cool the samples?		Yes		No 🗌	NA	
4. Were all samples received at a temperature	of >0° C to 6.0°C	Yes	$\checkmark$	No 🗌	NA	
5. Sample(s) in proper container(s)?		Yes		No 🗌		
6. Sufficient sample volume for indicated test(s)	?	Yes	$\checkmark$	No 🗌		
7. Are samples (except VOA and ONG) properly	y preserved?	Yes	✓	No 🗌		
8. Was preservative added to bottles?		Yes		No 🗹	NA	
9. Received at least 1 vial with headspace <1/4	for AQ VOA?	Yes		No 🗌	NA	
10. Were any sample containers received broken	n?	Yes		No 🗹	# of preserved	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)		Yes		No 🗌	bottles checked for pH:	<2.er >12 unless noted)
12. Are matrices correctly identified on Chain of 0	Custody?	Yes	V	No 🗌	Adjusted?	
13. Is it clear what analyses were requested?		Yes		No 🗌		
14. Were all holding times able to be met? (If no, notify customer for authorization.)		Yes	$\checkmark$	No 🗌	Checked b	CMC 4/15/25
Special Handling (if applicable)						
15. Was client notified of all discrepancies with t	his order?	Yes		No 🗌	NA	
Person Notified:	Date:					
By Whom:	Via:	] eMa	ail 🗌 Phor	ne 🗌 Fax	In Person	
Regarding:						-
Client Instructions:						
16. Additional remarks:						
17. Cooler Information						
		eal Da	ate Sig	ned By		
1 4.9 Good Yes	Morty					

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Meleased to Imaging: 6/25/2024 3:19:49

<b>Chain-of-Custody Record</b>		Turn-Around Time: 1662		HALL ENVIRONMENTAL																	
Client: Ensolum, LLC.			□ Standard CRush 4-17-33			ANALYSIS LABORATORY															
				Project Name	):		www.hallenvironmental.com														
Mailing	Address	1006	S. Rio Grandy	F10 Project #:	range	92	4901 Hawkins NE - Albuquerque, NM 87109														
			7410	Project #:			Tel. 505-345-3975 Fax 505-345-4107														
Phone a					·		Analysis Request														
email o	r Fax#:		Bin Cin and Cin	Project Mana	ger:		21) RO)														
QA/QC I	Package:						T <b>MB</b> 's (8021)	TPH:8015D(GRO / DRO / MRO)	PCB's		8270SIMS					Total Coliform (Present/Absent)					
🗆 Stan	dard		□ Level 4 (Full Validation)	KS	umme.	- S	B'S	2 2 2			lS0		4			ent/					
			mpliance		CDAPO	nti			808	504.1)			<b>₩</b> 2, ₩4,		2	res					
		Other	•	On Ice: # of Coolers:	y Yes	D No Morty	13	- SRC	des/	d 50	l0 or	als	đ		٥ ۷	E E					
		-çare are				0-0.1=4,9 (°C)	NTBE /	5D((	stici	stho	ŝ	Met	22	(Ý	-ime	lifor					
- And							$\sim$	801	Б Б	ž	s by	A 8	đđ	ž	S) (S	ပိ					
Date	Time	Matrix	Sample Name	Container Type and #	Preservative	H 2304659	BTEX	Ηd	8081 Pesticides/8082	EDB (Method	PAHs by 8310	RCRA 8 Metals	CI, F. R. MD.	8260 (VOA)	8270 (Semi-VOA)	Tota					
4/14	1000	S	S-1	1402 Jar	leat	001	r		1	_	_							1			
4/14	1005	Š	52			CO Z	1	N	í				V	/							
4/14	1010	5	5-3			003	1	V						,							
4/14	1015	5	S-1/			004	V	V						~							
4/14	1020	5	5-5			805	V														
4/14	1025	5	5-6			006	V						V								
4/14	1030	2	S-7			607	K	$\nu$					1								
4/11	1035	5	5-8			008	V	V	-				V								
													_								
	1000				4 j												$\square$	$\square$			
	ant comb				n far ar 1												$\square$	$\rightarrow$	$\perp$		
														_							
Date:	Time:	Relinquish	ned by:	Received by:	Via:	Date Time	Rer	nark	s: 7	on	~ 6	ion	3g								
19/23	1130		med /V		200121 Via:	<u>VINSI23 0840</u> Date Time	-	1	R 13	а.	120	0						1	al	N	nd
Date:	Time:	Relinquish	ieu by:	Received by:	via.													6	Jul !	200	1

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

District III

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

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

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

QUESTIONS

Action 353864

QUESTIONS					
Operator:	OGRID:				
Enterprise Field Services, LLC	241602				
PO Box 4324	Action Number:				
Houston, TX 77210	353864				
	Action Type:				
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)				

#### QUESTIONS

Prerequisites						
Incident ID (n#)	nAPP2310326139					
Incident Name	NAPP2310326139 FLORENCE #92 @ 0					
Incident Type	Natural Gas Release					
Incident Status	Remediation Closure Report Received					

#### Location of Release Source

Please answer all the questions in this group.					
Site Name	FLORENCE #92				
Date Release Discovered	04/13/2023				
Surface Owner	Federal				

#### Incident Details

Please answer all the questions in this group.					
Incident Type	Natural Gas Release				
Did this release result in a fire or is the result of a fire	No				
Did this release result in any injuries	No				
Has this release reached or does it have a reasonable probability of reaching a watercourse	No				
Has this release endangered or does it have a reasonable probability of endangering public health	No				
Has this release substantially damaged or will it substantially damage property or the environment	No				
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No				

#### Nature and Volume of Release

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission. Crude Oil Released (bbls) Details Not answered.

Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	Not answered.
Condensate Released (bbls) Details	Cause: Corrosion   Pipeline (Any)   Condensate   Released: 5 BBL   Recovered: 0 BBL   Lost: 5 BBL.
Natural Gas Vented (Mcf) Details	Cause: Corrosion   Pipeline (Any)   Natural Gas Vented   Released: 1 MCF   Recovered: 0 MCF   Lost: 1 MCF.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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

QUESTIONS, Page 2

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**QUESTIONS** (continued)

Operator:	OGRID:					
Enterprise Field Services, LLC	241602					
PO Box 4324	Action Number:					
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	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)					

QUESTIONS

Nature and Volume of Release (continued)								
Is this a gas only submission (i.e. only significant Mcf values reported)	Yes, according to supplied volumes this will be treated as a "gas only" report.							
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No							
Reasons why this would be considered a submission for a notification of a major release	Unavailable.							
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.								

	Respons
Initial	Roenone
minuai	Respons

The responsible party must undertake the following actions immediately unless they could create a s	safety hazard that would result in injury.
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.
	iation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of ted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of evaluation in the follow-up C-141 submission.
to report and/or file certain release notifications and perform corrective actions for releat the OCD does not relieve the operator of liability should their operations have failed to a	knowledge and understand that pursuant to OCD rules and regulations all operators are required ases which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or
I hereby agree and sign off to the above statement	Name: Thomas Long Title: Sr Field Environmental Scientist Email: tjlong@eprod.com Date: 06/13/2024

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

QUESTIONS, Page 3

Action 353864

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QUESTIONS	(continued)

Operator:	OGRID:
Enterprise Field Services, LLC	241602
PO Box 4324	Action Number:
Houston, TX 77210	353864
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

#### QUESTIONS

Site Characterization

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Less than or equal 25 (ft.)
What method was used to determine the depth to ground water	OCD Imaging Records Lookup
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release ar	d the following surface areas:
A continuously flowing watercourse or any other significant watercourse	Zero feet, overlying, or within area
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1000 (ft.) and ½ (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1 and 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Between 1 and 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

#### Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date. Requesting a remediation plan approval with this submission Yes Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC. Have the lateral and vertical extents of contamination been fully delineated Yes Was this release entirely contained within a lined containment area No Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.) Chloride (EPA 300.0 or SM4500 CI B) 60 TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M) 0.1 GRO+DRO (EPA SW-846 Method 8015M) 0 1 BTEX (EPA SW-846 Method 8021B or 8260B) 0.1 (EPA SW-846 Method 8021B or 8260B) Benzene 0.1 Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation. On what estimated date will the remediation commence 04/13/2023 On what date will (or did) the final sampling or liner inspection occur 04/14/2023 On what date will (or was) the remediation complete(d) 04/15/2023 What is the estimated surface area (in square feet) that will be reclaimed 345 What is the estimated volume (in cubic yards) that will be reclaimed 184 What is the estimated surface area (in square feet) that will be remediated 345 What is the estimated volume (in cubic yards) that will be remediated 184 These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to

significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required

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

QUESTIONS, Page 4

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QUEST	IONS (continued)	
Operator: Enterprise Field Services, LLC PO Box 4324 Houston, TX 77210	OGRID: 241602 Action Number: 353864	
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)	
QUESTIONS		
Remediation Plan (continued)		
Please answer all the questions that apply or are indicated. This information must be provided to the	e appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate	e / reduce contaminants:	
(Select all answers below that apply.)		
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes	
Which OCD approved facility will be used for off-site disposal	ENVIROTECH LANDFARM #1 [fEEM0112334691]	
OR which OCD approved well (API) will be used for off-site disposal	Not answered.	
OR is the off-site disposal site, to be used, out-of-state	Not answered.	
OR is the off-site disposal site, to be used, an NMED facility	Not answered.	
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.	
(In Situ) Soil Vapor Extraction	Not answered.	
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.	
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.	
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.	
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.	
OTHER (Non-listed remedial process)	Not answered.	
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed e which includes the anticipated timelines for beginning and completing the remediation.	forts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMA	
to report and/or file certain release notifications and perform corrective actions for relea the OCD does not relieve the operator of liability should their operations have failed to a	knowledge and understand that pursuant to OCD rules and regulations all operators are required ases which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or	
I hereby agree and sign off to the above statement	Name: Thomas Long Title: Sr Field Environmental Scientist Email: tjlong@eprod.com Date: 06/13/2024	

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

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QUESTIONS (continued)			
Operator: OGRID:			
Houston, TX 77210	241602		
	Action Number:		
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	Action Type:		
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)		

#### QUESTIONS

Deferral Requests Only				
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of	the following items must be confirmed as part of any request for deferral of remediation.			
Requesting a deferral of the remediation closure due date with the approval of this submission	Νο			

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

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QUESTIONS, Page 6

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	Operator:	OGRID:		
	Enterprise Field Services, LLC	241602		
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		Action Type:		
		[C-141] Remediation Closure Request C-141 (C-141-v-Closure)		

**QUESTIONS** (continued)

QUESTIONS

Sampling Event Information		
Last sampling notification (C-141N) recorded	353870	
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/14/2023	
What was the (estimated) number of samples that were to be gathered	6	
What was the sampling surface area in square feet	200	

**Remediation Closure Request** 

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.			
Requesting a remediation closure approval with this submission	Yes		
Have the lateral and vertical extents of contamination been fully delineated	Yes		
Was this release entirely contained within a lined containment area	No		
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes		
What was the total surface area (in square feet) remediated	345		
What was the total volume (cubic yards) remediated	184		
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes		
What was the total surface area (in square feet) reclaimed	345		
What was the total volume (in cubic yards) reclaimed	184		
Summarize any additional remediation activities not included by answers (above)	None		
The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.			
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the CCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or			

local laws and/or regulations. T	he responsible party	acknowledges th	ney must substantia	lly restore, re	eclaim, ar	nd re-vegetate	the impacted :	surface area	to the conditions th	at existed
prior to the release or their final	land use in accordar	nce with 19.15.29	0.13 NMAC includin	g notification	to the OC	CD when recla	mation and re-	vegetation a	re complete.	

I hereby agree and sign off to the above statement	Name: Thomas Long Title: Sr Field Environmental Scientist Email: tjlong@eprod.com Date: 06/13/2024
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## **State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division** 1220 S. St Francis Dr. Santa Fe, NM 87505

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QUESTIONS (continued)			
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OUESTIONS			

#### QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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

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CONDITIONS

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CONDITIONS

Operator:	OGRID:
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	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

#### CONDITIONS

Created By		Condition Date
nvelez	None	6/25/2024