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

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

Incident ID	
District RP	
Facility ID	
Application ID	

### **Release Notification**

### **Responsible Party**

Responsible Party: Enterprise Field Services, LLC	OGRID: <b>241602</b>
Contact Name: Thomas Long	Contact Telephone: 505-599-2286
Contact email:tjlong@eprod.com	Incident # (assigned by OCD) nAPP2222032322
Contact mailing address: 614 Reilly Ave, Farmington, NM 87401	

### **Location of Release Source**

Latitude 36.45519

\_Longitude -107.61866

(NAD 83 in decimal degrees to 5 decimal places)

)

Site Name Hughes #14	Site Type Natural Gas Gathering Pipeline
Date Release Discovered: 08/04/2022	Serial Number ( <i>if applicable</i> ): <b>N/A</b>

Unit Letter	Section	Township	Range	County
K	30	26N	7W	San Juan

Surface Owner: State Federal Tribal Private (Name: BLM

### Nature and Volume of Release

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

Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Yes No
Condensate	Volume Released (bbls): None	Volume Recovered (bbls): None
Natural Gas	Volume Released (Mcf): 1.16 MCF	Volume Recovered (Mcf): None
Other (describe)	Volume/Weight Released (provide units):	Volume/Weight Recovered (provide units)

**Cause of Release:** On August 4, 2022, Enterprise had a release of natural gas from the Hughes #14 pipeline. The pipeline was isolated, depressurized, locked and tagged out. No liquids were released to the ground surface. No emergency services responded. The release was located on the bank of a wash. No fire nor injuries occurred. Remediation and repairs were completed on August 17, 2022. The final excavation dimensions measured approximately 12 feet long by 6 feet wide by five (5) feet deep. The excavation was backfilled with laboratory-confirmed stockpiled soil and was then contoured to the surrounding topography. A third party closure report is included with this "Final." C-141.

Application ID

### Closure

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

<b>Closure Report Attach</b>	ment Checklist: Each of the following	ng items must be incli	uded in the closure report.
$\square$ A scaled site and sat	npling diagram as described in 19.15.2	29.11 NMAC	
Photographs of the must be notified 2 days p		otos of the liner integr	ity if applicable (Note: appropriate OCD District office
Laboratory analyses	of final sampling (Note: appropriate C	DDC District office m	ust be notified 2 days prior to final sampling)
Description of reme	diation activities		
and regulations all operator may endanger public heal should their operations ha human health or the envir compliance with any other restore, reclaim, and re-ver	ors are required to report and/or file ce th or the environment. The acceptance ve failed to adequately investigate and onment. In addition, OCD acceptance r federal, state, or local laws and/or reg	rtain release notificati e of a C-141 report by l remediate contamina of a C-141 report doe gulations. The respon e conditions that existe	y knowledge and understand that pursuant to OCD rules ons and perform corrective actions for releases which the OCD does not relieve the operator of liability tion that pose a threat to groundwater, surface water, is not relieve the operator of responsibility for sible party acknowledges they must substantially ed prior to the release or their final land use in tion and re-vegetation are complete.
Printed Name: Thomas Lo	ong	Title: Senior Enviro	onmental Scientist
Signature:		Date:	10-28-2022
email: tjlong@eprod.com		Telephone <u>: (505) 599</u>	-2286
OCD Only			
Received by:		Date:	
remediate contamination t	CD does not relieve the responsible pa hat poses a threat to groundwater, surfa any other federal, state, or local laws a	ace water, human healt	their operations have failed to adequately investigate and h, or the environment nor does not relieve the responsible
Closure Approved by:	Nelson Velez	Date:	11/14/2022
Printed Name:	Nelson Velez	Title: _	Environmental Specialist – Adv



### **CLOSURE REPORT**

Property:

Hughes #14 (08/04/22) Unit Letter K, S30 T26N R7W Rio Arriba County, New Mexico

### New Mexico EMNRD OCD Incident ID No. NAPP2222032322

October 27, 2022

Ensolum Project No. 05A1226202

Prepared for:

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

Prepared by:

Ranee Deechilly Project Manager

Umm

Kyle Summers Senior Managing Geologist

Ensolum, LLC | Environmental, Engineering & Hydrogeologic Consultants

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

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3.0	SOIL REMEDIATION ACTIVITIES
4.0	SOIL SAMPLING PROGRAM
5.0	SOIL LABORATORY ANALYTICAL METHODS
6.0	SOIL DATA EVALUATION
7.0	RECLAMATION AND REVEGETATION
8.0	FINDINGS AND RECOMMENDATION
9.0	STANDARDS OF CARE, LIMITATIONS, AND RELIANCE.49.1Standard of Care.49.2Limitations.59.3Reliance.5

### LIST OF APPENDICES

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

### Appendix B – Siting Figures and Documentation

Figure A: 1.0 Mile Radius Water Well/POD Location Map Figure B: Cathodic Protection Well Recorded Depth to Water Figure C: 300 Foot Radius Watercourse and Drainage Identification Figure D: 300 Foot Radius Occupied Structure Identification Figure E: Water Well and Natural Spring Location Figure F: Wetlands Figure G: Mines, Mills, and Quarries Figure H: 100-Year Flood Plain Map

- Appendix C Photographic Documentation
- Appendix D Regulatory Correspondence
- Appendix E Table 1 Soil Analytical Summary
- Appendix F Laboratory Data Sheets & Chain of Custody Documentation



#### 1.1 Site Description & Background

Operator:	Enterprise Field Services, LLC / Enterprise Products Operating LLC (Enterprise)
Site Name:	Hughes #14 (08/04/22) (Site)
NM EMNRD OCD Incident ID No.	NAPP2222032322
Location:	36.45519° North, 107.61866° West Unit Letter K, Section 30, Township 26 North, Range 7 West Rio Arriba County, New Mexico
Property:	United States Bureau of Land Management (BLM)
Regulatory:	New Mexico (NM) Energy, Minerals and Natural Resources Department (EMNRD) Oil Conservation Division (OCD)

On August 4, 2022, a third party notified Enterprise of a potential leak on the Hughes #14 pipeline. Enterprise personnel confirmed a leak on the pipeline and subsequently isolated and locked the pipeline out of service. Additionally, the NM EMNRD OCD was notified of the release. Due to rain events, the unpaved road to the Site was inaccessible to vehicular traffic and required repair prior to the initiation of earthwork activities. On August 15, 2022, Enterprise initiated activities to remediate petroleum hydrocarbon impact.

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

### 1.2 **Project Objective**

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

### 2.0 CLOSURE CRITERIA

The Site is subject to regulatory oversight by the New Mexico EMNRD OCD. Ensolum, LLC (Ensolum) referenced New Mexico Administrative Code (NMAC) 19.15.29 *Releases*, which establishes investigation and abatement action requirements for oil and gas release sites that are subject to reporting and/or corrective action, during the evaluation and remediation of the Site. The appropriate closure criteria for sites are determined using the siting requirements outlined in Paragraph (4) of Subsection C of 19.15.29.12 NMAC. Ensolum utilized the general site characteristics and information available from NM state agency databases and federal agency geospatial databases to determine the appropriate closure criteria for the Site. Supporting figures and documentation associated with the following Siting bullets are provided in **Appendix B**.

The NM Office of the State Engineer (OSE) tracks the usage and assignment of water rights and water well installations and records this information in the Water Rights Reporting System (WRRS) database. Water wells and other points of diversion (PODs) are each assigned POD numbers in the database (which is searchable and includes an interactive map). One POD (SJ-02406) was identified in the same Public Land Survey System (PLSS) section as the Site. This POD is located approximately 0.2 miles northwest of the Site and approximately two feet lower in elevation than the Site. The recorded depth to water is 180 feet below grade surface (bgs). No PODS were identified in the adjacent PLSS sections (Figure A, Appendix B).

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- No cathodic protection wells (CPWs) were identified in the same PLSS section as the Site, and no CPWs were identified in the adjacent PLSS sections in the NM EMNRD OCD imaging database (Figure B, Appendix B).
- 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). One POD (SJ-02406) is located approximately 900 feet northwest of the Site. According to the records this POD is utilized for livestock water purposes.
- One water well was identified within 1,000 feet of the Site (**Figure E**, **Appendix B**). This POD (SJ-02406) is located approximately 900 feet northwest of the Site. According to the records this POD is utilized to provide water for livestock.
- 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:

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).

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

#### 3.0 SOIL REMEDIATION ACTIVITIES

On August 15, 2022, Enterprise initiated activities to repair the pipeline and remediate the 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 12 feet long and 6 feet wide at the maximum extents. The maximum depth of the excavation measured approximately five feet bgs. The lithology encountered during the completion of remediation activities consisted primarily of silty sand.

The excavation was backfilled with laboratory-confirmed stockpiled soil and was 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 C**.

#### 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 fourteen composite soil samples (S-1 through S-4) from the excavation for laboratory analysis. In addition, one composite soil sample (SP-1) was collected from the stockpiled soils to confirm the material was suitable to use as backfill. The composite samples were comprised of five aliquots each and represent an estimated 200 square foot (ft<sup>2</sup>) sample area per guidelines outlined in Section D of 19.15.29.12 NMAC. Hand tools or the excavator bucket were utilized to obtain fresh aliquots from each area of the excavation. Regulatory correspondence is provided in **Appendix D**.

#### First Sampling Event

On August 16, 2022, the first sampling event was performed at the Site. The NM EMNRD OCD was notified of the sampling event, although no representative was present during sampling activities. Composite soil sample S-1 (5') was collected from the floor of the excavation. Composite soil samples S-2 (0'-5'), S-3 (0'-5'), and S-4 (0'-5') were collected from the walls of the excavation. Composite soil sample SP-1 was collected from the stockpiled soil to demonstrate that the soil did not exhibit COC impact and that it was suitable for use as backfill.

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.

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

### 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-4 and SP-1) to the applicable NM EMNRD OCD closure criteria. The laboratory analytical results are summarized in **Table 1** (Appendix E).

- 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 applicable NM EMNRD OCD criteria of 10 mg/kg.
- The laboratory analytical results for all composite soil samples indicate that total BTEX is not present in concentrations greater than the laboratory PQLs/RLs, which are less than the applicable NM EMNRD OCD closure criteria of 50 mg/kg.
- The laboratory analytical results for all composite soil samples indicate that combined TPH GRO/DRO/MRO is not present in concentrations greater than the laboratory PQLs/RLs, which are less than the applicable NM EMNRD OCD closure criteria of 100 mg/kg.
- The laboratory analytical results for all composite soil samples indicate chloride is not present at concentrations greater than the laboratory PQLs/RLs, which are less than the applicable NM EMNRD OCD criteria of 600 mg/kg.

#### 7.0 RECLAMATION AND REVEGETATION

The excavation was backfilled with laboratory-confirmed stockpiled soil and was then contoured to the surrounding topography. Enterprise will re-seed the Site with an approved seeding mixture.

#### 8.0 FINDINGS AND RECOMMENDATION

- Five composite soil samples were collected from the Site. Based on laboratory analytical results, no benzene, BTEX, chloride, or combined TPH GRO/DRO or TPH GRO/DRO/MRO exceedances were identified in the soils at the Site.
- The excavation was backfilled with laboratory-confirmed stockpiled soil and was 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

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**Page 9 of 47** October 27, 2022

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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

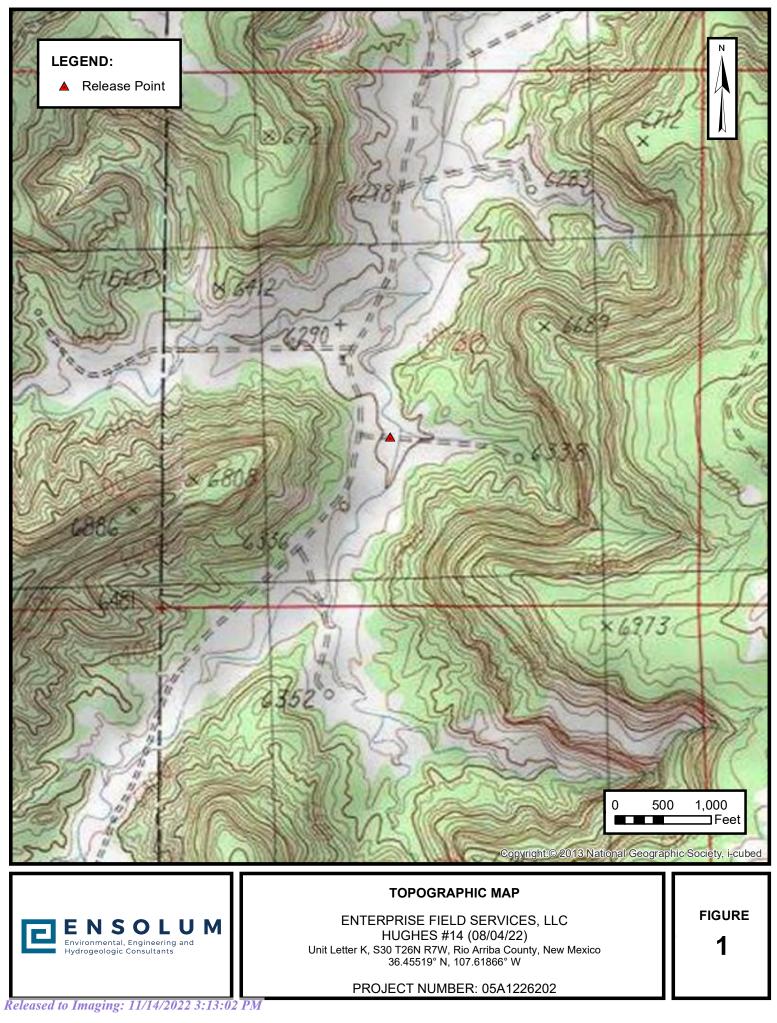
This report has been prepared for the exclusive use of Enterprise, and any authorization for use or reliance by any other party (except a governmental entity having jurisdiction over the Site) is prohibited without the express written authorization of Enterprise and Ensolum. Any unauthorized distribution 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.

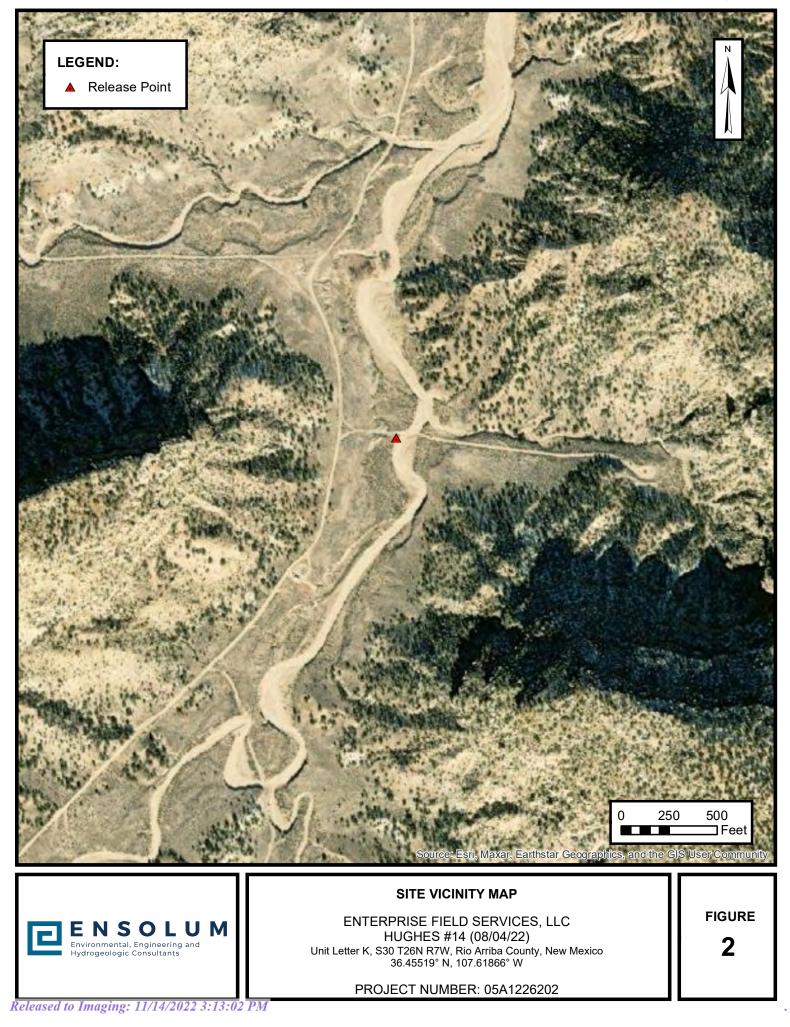


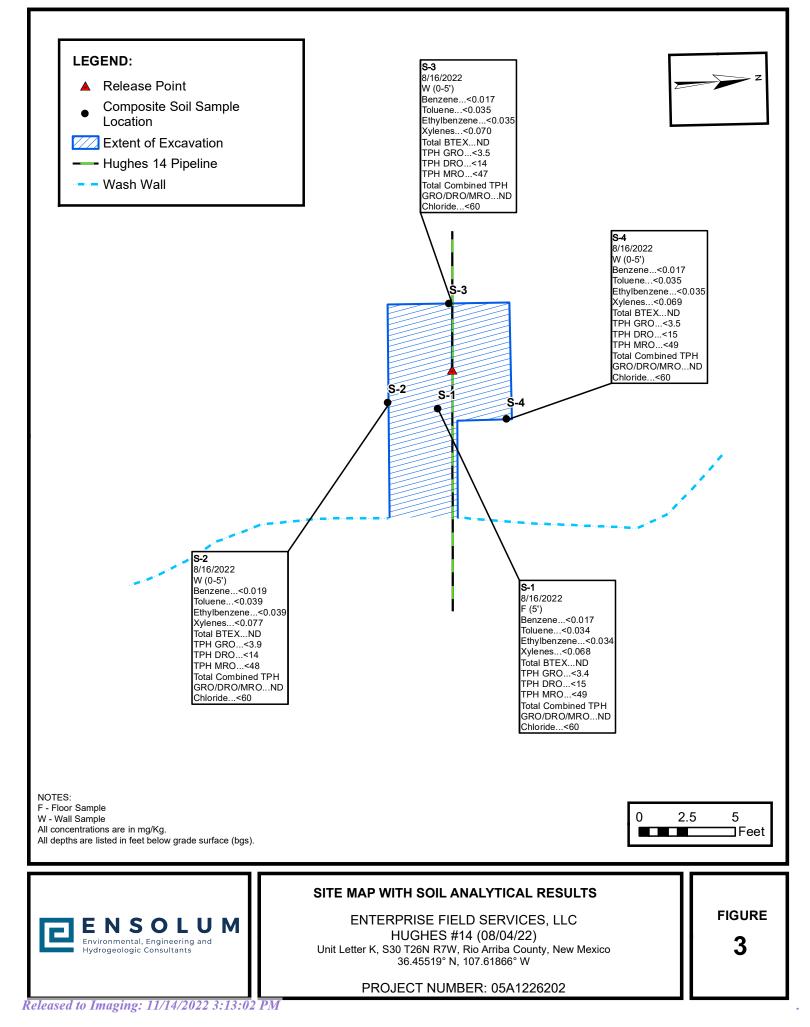


### **APPENDIX A**

Figures





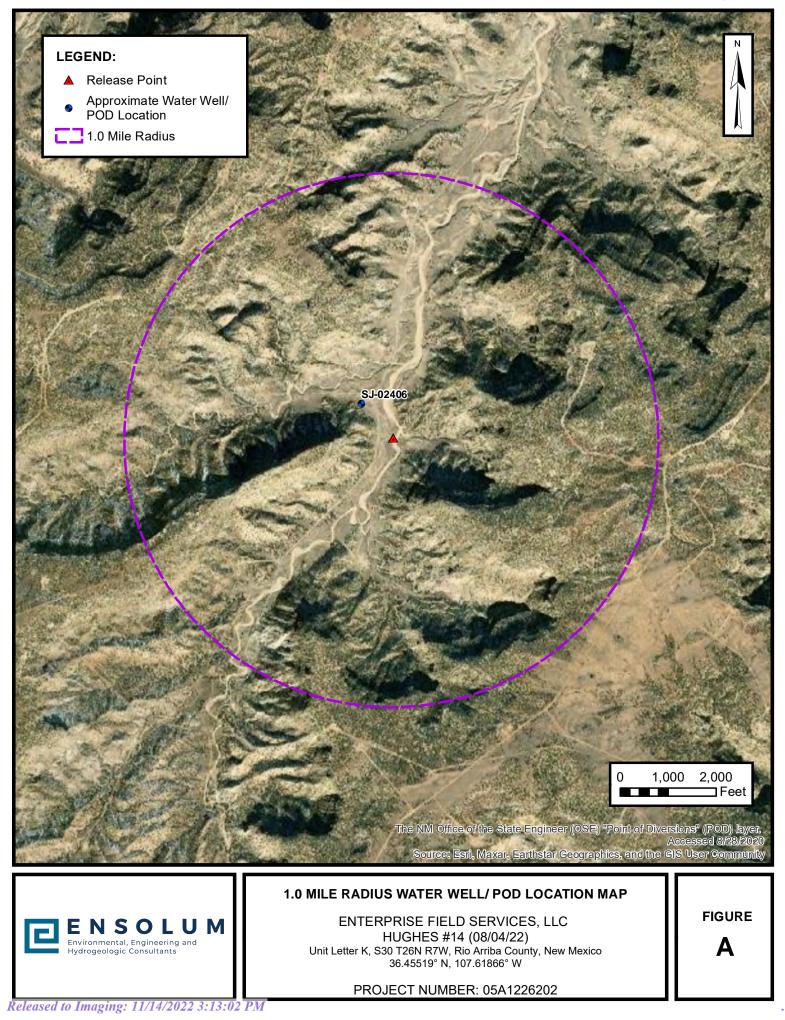




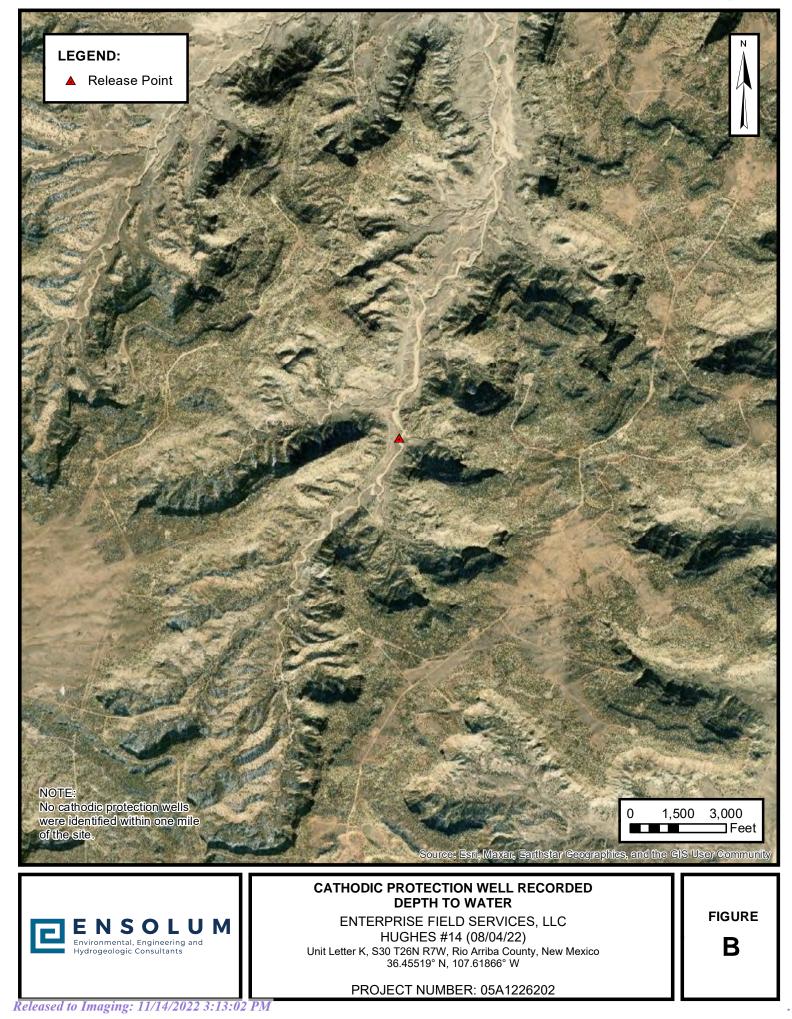
### **APPENDIX B**

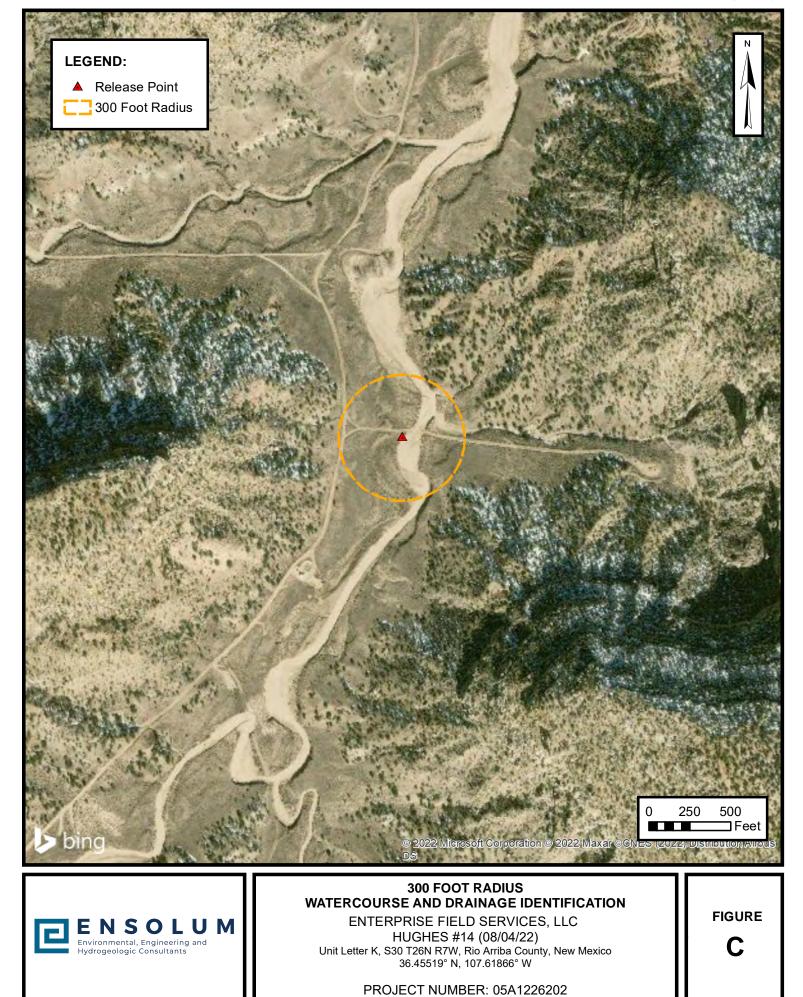
## Siting Figures and Documentation

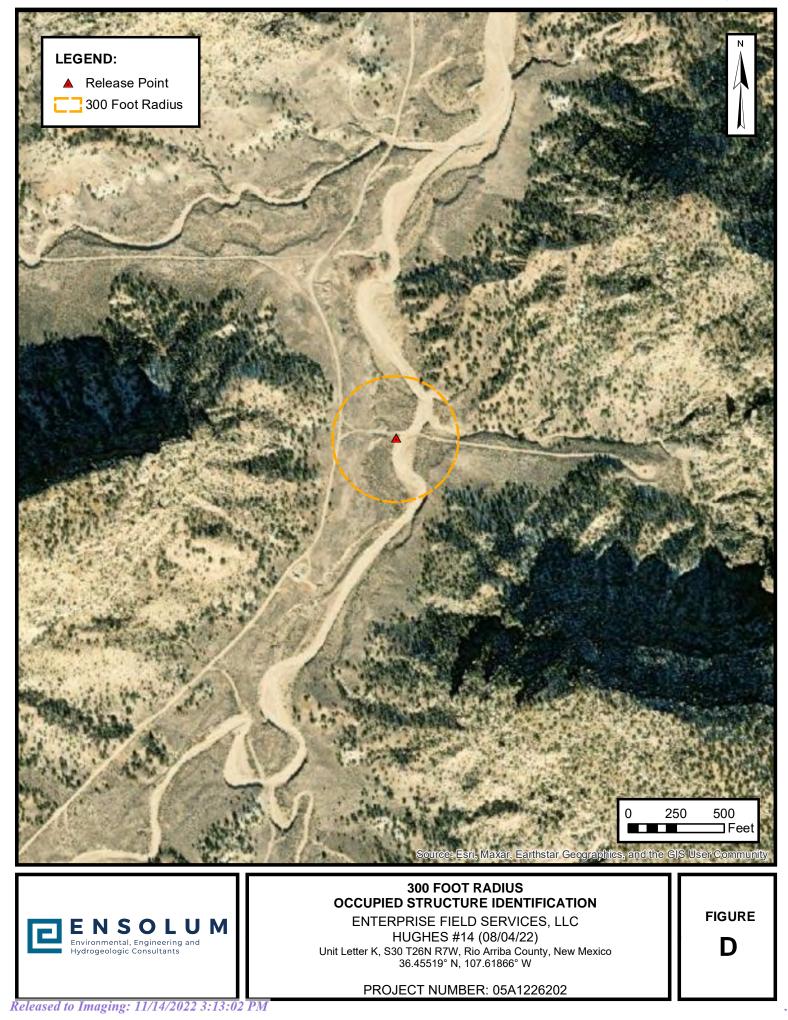
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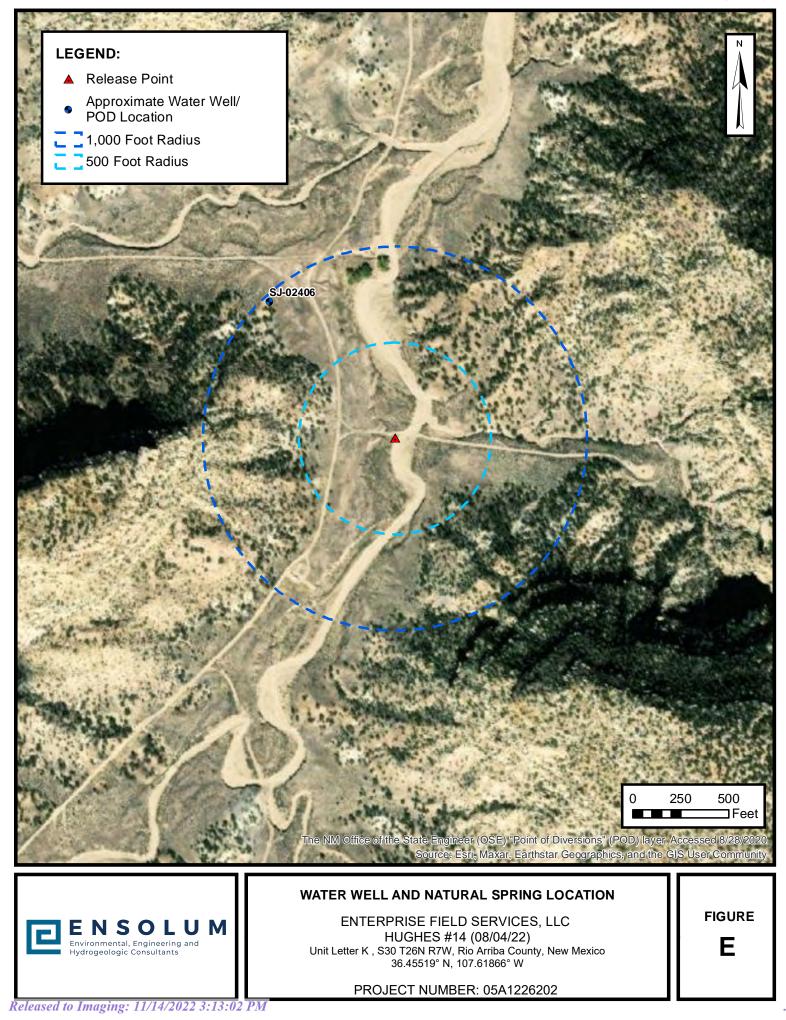


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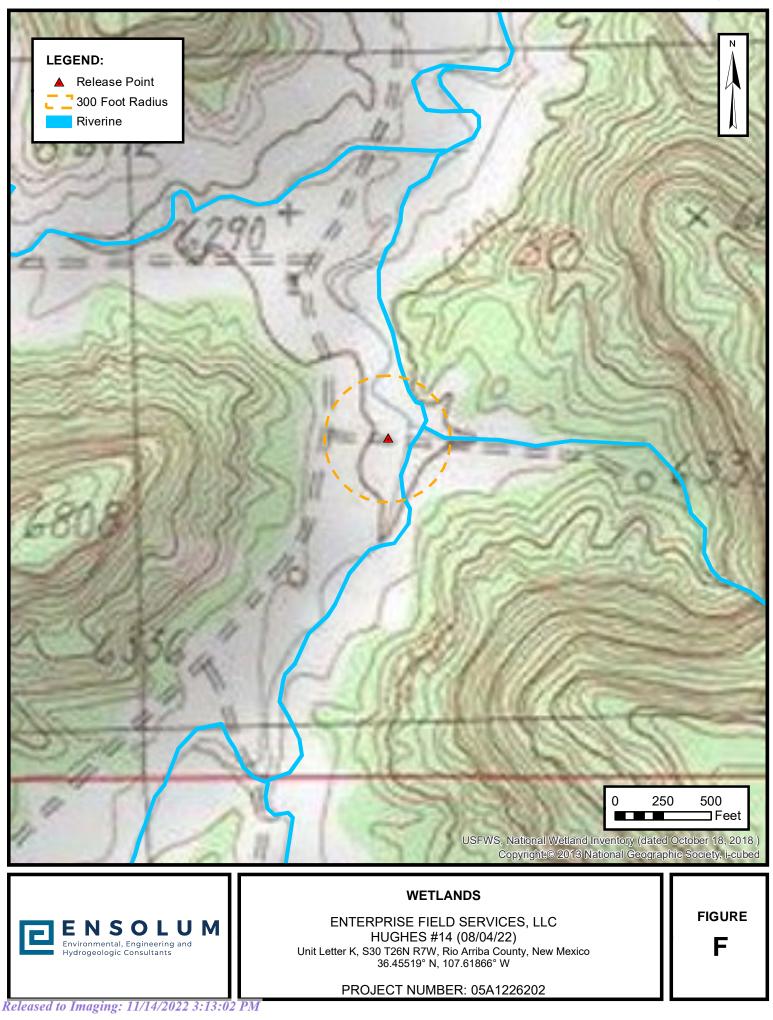




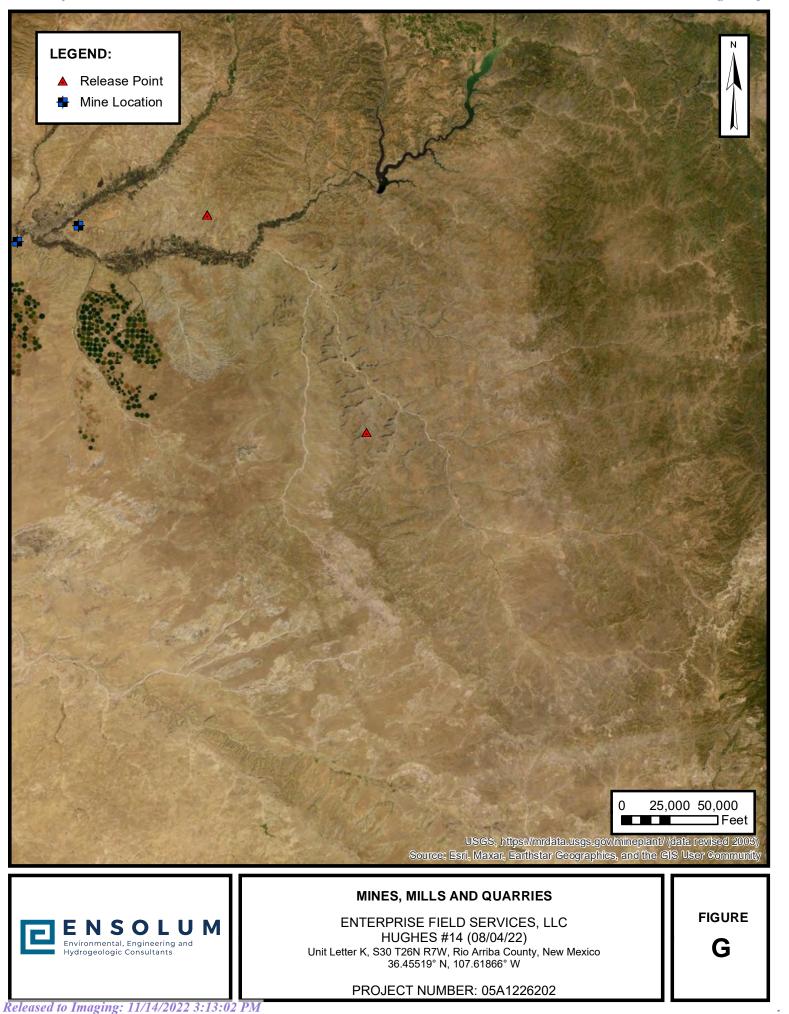


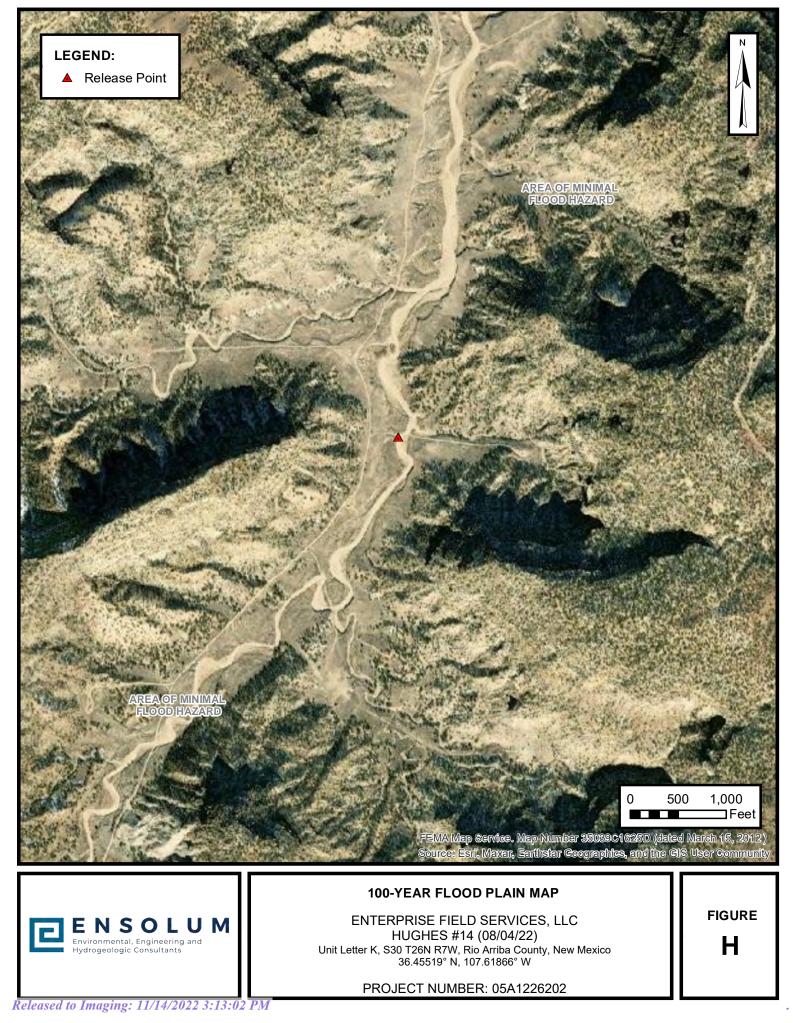


Received by OCD: 10/28/2022 9:08:32 AM



Received by OCD: 10/28/2022 9:08:32 AM







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

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)		(quarters are 1=N (quarters are sma		,	3 UTM in meters)		(In feet)	)
	POD Sub-	QQQ	e Two Dre	x	Y		Depth	Water Column
POD Number	Code basin Col	unty 64 16 4 Se	C IWS KNG	•		weii	water	Column
<u>SJ 02406</u>	SJ R	A 12330	26N 07W	265144	4037834* 🌍	280	180	100
					Average Depth to	vvater:	180 fe	et
					Minimum	Depth:	180 fe	eet
					Maximum	Depth:	180 fe	et
Pecord Count: 1								

#### Record Count: 1

PLSS Search:

Section(s): 30, 19, 20, 29,	Township: 26N	Range: 07W
31, 32		

\*UTM location was derived from PLSS - see Help

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



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

No records found.

PLSS Search:

Section(s): 24, 25, 36

Township: 26N

Range: 08W

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



### APPENDIX C

### **Photographic Documentation**

### SITE PHOTOGRAPHS

Closure Report Enterprise Field Services, LLC Hughes #14 (08/04/22) Ensolum Project No. 05A1226202



Ensolum Project No. 05A1226202	
Photograph 1 Photograph Description: View of the in- process excavation activities.	
Photograph 2 Photograph Description: View of the in- process excavation activities.	
Photograph 3 Photograph Description: View of the in- process excavation activities.	

### SITE PHOTOGRAPHS

Closure Report Enterprise Field Services, LLC Hughes #14 (08/04/22) Ensolum Project No. 05A1226202

E N S O L U M

### Photograph 4

Photograph Description: View of the site after initial restoration.





### APPENDIX D

### **Regulatory Correspondence**

From: To:	<u>Velez, Nelson, EMNRD</u> Long, Thomas; rjoyner@blm.gov
Cc:	Stone, Brian
Subject:	RE: [EXTERNAL] RE: Hughes #14 - UL K Section 30 T26N R7W; 36.45519, -107.61866; Incident #nAPP2222032322
Date:	Monday, August 15, 2022 1:00:48 PM

[Use caution with links/attachments]

Tom,

Thank you for the notice. Your variance request 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.

Regards

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

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

From: Long, Thomas <tjlong@eprod.com>
Sent: Monday, August 15, 2022 12:51 PM
To: Velez, Nelson, EMNRD <Nelson.Velez@state.nm.us>; rjoyner@blm.gov
Cc: Stone, Brian <bmstone@eprod.com>
Subject: [EXTERNAL] RE: Hughes #14 - UL K Section 30 T26N R7W; 36.45519, -107.61866; Incident #nAPP2222032322

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

Nelson/Ryan

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 closure samples tomorrow August 16, 2022 at 9:00 a.m. Enterprise began remediation today and very little signs of contamination have been observed. Please acknowledge acceptance of this variance request. If you have any questions, please call or email.

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



From: Long, Thomas
Sent: Thursday, August 4, 2022 6:37 PM
To: 'Velez, Nelson, EMNRD' <<u>Nelson.Velez@state.nm.us</u>>; rjoyner@blm.gov
Cc: Stone, Brian <<u>bmstone@eprod.com</u>>
Subject: Hughes #14 - UL K Section 30 T26N R7W; 36.45519, -107.61866

Nelson/Ryan,

This email is a notification that Enterprise had a release of natural gas on the Hughes #14 pipeline this afternoon at approximately 6:00 p.m. The release is located is a tributary of the Rincon. The release is located in UL K Section 30 T26N R7W; 36.45519, -107.61866. The pipeline is being isolated, depressurized, locked and tagged out. No fires nor injuries resulted from the release. No emergency services responded. No liquids were released to the ground surface. I will keep you informed as to when the repairs and remediation are scheduled. If you have any questions, please call or email.

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



This message (including any attachments) is confidential and intended for a specific individual and

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purpose. If you are not the intended recipient, please notify the sender immediately and delete this message.



### APPENDIX E

### Table 1 – Soil Analytical Summary

### ENSOLUM

						Hughes	BLE 1 #14 (08/04/22) (TICAL SUMMA						
Sample I.D.	Date	Sample Type C- Composite G - Grab	Sample Depth (feet)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Total BTEX <sup>1</sup> (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH MRO (mg/kg)	Total Combined TPH (GRO/DRO/MRO) <sup>1</sup> (mg/kg)	Chloride (mg/kg)
	Depa	neral & Natural F rtment on Closure Crite		10	NE	NE	NE	50	NE	NE	NE	100	600
					Compos	ite Soil Sample (	Collected from	Stockpiled Soil					
SP-1	8.16.22	С	Stockpile	<0.017	<0.035	<0.035	<0.069	ND	<3.5	<14	<48	ND	<60
						Excavation Con	nposite Soil Sa	mples					
S-1	8.16.22	С	5	<0.017	<0.034	<0.034	<0.068	ND	<3.4	<15	<49	ND	<60
S-2	8.16.22	С	0 to 5	<0.019	<0.039	<0.039	<0.077	ND	<3.9	<14	<48	ND	<60
S-3	8.16.22	С	0 to 5	<0.017	<0.035	<0.035	<0.070	ND	<3.5	<14	<47	ND	<60
S-4	8.16.22	С	0 to 5	<0.017	<0.035	<0.035	<0.069	ND	<3.5	<15	<49	ND	<60

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

<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)

NA = Not Analyzed

NE = Not established

mg/kg = milligram per kilogram

BTEX = Benzene, Toluene, Ethylbenzene, and Xylenes

TPH = Total Petroleum Hydrocarbons

GRO = Gasoline Range Organics

DRO = Diesel Range Organics

MRO = Motor Oil/Lube Oil Range Organics



### APPENDIX F

# Laboratory Data Sheets & Chain of Custody Documentation



August 22, 2022

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

RE: Hughes 14

OrderNo.: 2208A02

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 5 sample(s) on 8/17/2022 for the analyses presented in the following report.

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

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

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2208A02

Date Reported: 8/22/2022

CLIENT: ENSOLUM Project: Hughes 14	Client Sample ID: S-1 Collection Date: 8/16/2022 9:00:00 AM								
Lab ID: 2208A02-001	Matrix: SOIL				7/2022 6:30:00 AM				
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch			
EPA METHOD 300.0: ANIONS					Analyst	: NAI			
Chloride	ND	60	mg/Kg	20	8/17/2022 9:32:00 AM	69557			
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	DGH			
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	8/17/2022 1:00:31 PM	69549			
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	8/17/2022 1:00:31 PM	69549			
Surr: DNOP	92.2	21-129	%Rec	1	8/17/2022 1:00:31 PM	69549			
EPA METHOD 8015D: GASOLINE RANGE	1				Analyst	BRM			
Gasoline Range Organics (GRO)	ND	3.4	mg/Kg	1	8/17/2022 10:30:00 AM	A90339			
Surr: BFB	102	37.7-212	%Rec	1	8/17/2022 10:30:00 AM	A90339			
EPA METHOD 8021B: VOLATILES					Analyst	BRM			
Benzene	ND	0.017	mg/Kg	1	8/17/2022 10:30:00 AM	B90339			
Toluene	ND	0.034	mg/Kg	1	8/17/2022 10:30:00 AM	B90339			
Ethylbenzene	ND	0.034	mg/Kg	1	8/17/2022 10:30:00 AM	B90339			
Xylenes, Total	ND	0.068	mg/Kg	1	8/17/2022 10:30:00 AM	B90339			
Surr: 4-Bromofluorobenzene	98.8	70-130	%Rec	1	8/17/2022 10:30:00 AM	B90339			

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

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### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2208A02

Date Reported: 8/22/2022

CLIENT: ENSOLUM	Client Sample ID: S-2 Collection Date: 8/16/2022 9:05:00 AM								
Project: Hughes 14									
Lab ID: 2208A02-002	Matrix: SOIL		Receive	ed Date	<b>e:</b> 8/1	7/2022 6:30:00 AM			
Analyses	Result	RL	Qual U	U <b>nits</b>	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS						Analyst	NAI		
Chloride	ND	60	n	ng/Kg	20	8/17/2022 9:44:24 AM	69557		
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS					Analyst	DGH		
Diesel Range Organics (DRO)	ND	14	n	ng/Kg	1	8/17/2022 1:14:26 PM	69549		
Motor Oil Range Organics (MRO)	ND	48	n	ng/Kg	1	8/17/2022 1:14:26 PM	69549		
Surr: DNOP	90.1	21-129	9	%Rec	1	8/17/2022 1:14:26 PM	69549		
EPA METHOD 8015D: GASOLINE RANGE	E					Analyst	BRM		
Gasoline Range Organics (GRO)	ND	3.9	n	ng/Kg	1	8/17/2022 10:50:00 AM	A90339		
Surr: BFB	102	37.7-212	9	%Rec	1	8/17/2022 10:50:00 AM	A90339		
EPA METHOD 8021B: VOLATILES						Analyst	BRM		
Benzene	ND	0.019	n	ng/Kg	1	8/17/2022 10:50:00 AM	B90339		
Toluene	ND	0.039	n	ng/Kg	1	8/17/2022 10:50:00 AM	B90339		
Ethylbenzene	ND	0.039	r	ng/Kg	1	8/17/2022 10:50:00 AM	B90339		
Xylenes, Total	ND	0.077	n	ng/Kg	1	8/17/2022 10:50:00 AM	B90339		
Surr: 4-Bromofluorobenzene	98.1	70-130	9	%Rec	1	8/17/2022 10:50:00 AM	B90339		

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

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### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2208A02

Date Reported: 8/22/2022

CLIENT: ENSOLUM		Cl	ient Sample I	<b>D:</b> S-:	3					
Project: Hughes 14	Collection Date: 8/16/2022 9:10:00 AM									
Lab ID: 2208A02-003	Matrix: SOIL		t <b>e:</b> 8/1							
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch				
EPA METHOD 300.0: ANIONS					Analyst	: NAI				
Chloride	ND	60	mg/Kg	20	8/17/2022 9:56:49 AM	69557				
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	DGH				
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	8/17/2022 1:28:22 PM	69549				
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	8/17/2022 1:28:22 PM	69549				
Surr: DNOP	91.6	21-129	%Rec	1	8/17/2022 1:28:22 PM	69549				
EPA METHOD 8015D: GASOLINE RANGE					Analyst	BRM				
Gasoline Range Organics (GRO)	ND	3.5	mg/Kg	1	8/17/2022 11:10:00 AM	A90339				
Surr: BFB	105	37.7-212	%Rec	1	8/17/2022 11:10:00 AM	A90339				
EPA METHOD 8021B: VOLATILES					Analyst	BRM				
Benzene	ND	0.017	mg/Kg	1	8/17/2022 11:10:00 AM	B90339				
Toluene	ND	0.035	mg/Kg	1	8/17/2022 11:10:00 AM	B90339				
Ethylbenzene	ND	0.035	mg/Kg	1	8/17/2022 11:10:00 AM	B90339				
Xylenes, Total	ND	0.070	mg/Kg	1	8/17/2022 11:10:00 AM	B90339				
Surr: 4-Bromofluorobenzene	98.0	70-130	%Rec	1	8/17/2022 11:10:00 AM	B90339				

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

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### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2208A02

Date Reported: 8/22/2022

CLIENT: ENSOLUM		Cl	ient Sa	mple II	<b>D:</b> S-4	4			
Project: Hughes 14	Collection Date: 8/16/2022 9:15:00 AM								
Lab ID: 2208A02-004	Matrix: SOIL		Receiv	ved Dat	<b>e:</b> 8/1	7/2022 6:30:00 AM			
Analyses	Matrix: SOIL         Received Date: 8/17/2022 6:30:00 AM           Result         RL         Qual         Units         DF         Date Analyzed         H           ND         60         mg/Kg         20         8/17/2022 10:09:14 AM         6           L RANGE ORGANICS         Analyst:         MD         1         8/17/2022 10:09:14 AM         6           ND         15         mg/Kg         1         8/17/2022 10:09:14 AM         6           ND         15         mg/Kg         1         8/17/2022 10:09:14 AM         6           ND         15         mg/Kg         1         8/17/2022 11:42:26 PM         6           ND         49         mg/Kg         1         8/17/2022 1:42:26 PM         6           ND         35         mg/Kg         1         8/17/2022 1:42:26 PM         6           NE RANGE          X         X         X         X           ND         3.5         mg/Kg         1         8/17/2022 11:29:00 AM         X           IO2         37.7-212         %Rec         1         8/17/2022 11:29:00 AM         X           ND         0.017         mg/Kg         1         8/17/2022 11:29:00 AM         X	Batch							
EPA METHOD 300.0: ANIONS						Analyst	NAI		
Chloride	ND	60		mg/Kg	20	8/17/2022 10:09:14 AM	69557		
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS					Analyst	DGH		
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	8/17/2022 1:42:26 PM	69549		
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/17/2022 1:42:26 PM	69549		
Surr: DNOP	94.4	21-129		%Rec	1	8/17/2022 1:42:26 PM	69549		
EPA METHOD 8015D: GASOLINE RANGE	1					Analyst	BRM		
Gasoline Range Organics (GRO)	ND	3.5		mg/Kg	1	8/17/2022 11:29:00 AM	A90339		
Surr: BFB	102	37.7-212		%Rec	1	8/17/2022 11:29:00 AM	A90339		
EPA METHOD 8021B: VOLATILES						Analyst	BRM		
Benzene	ND	0.017		mg/Kg	1	8/17/2022 11:29:00 AM	B90339		
Toluene	ND	0.035		mg/Kg	1	8/17/2022 11:29:00 AM	B90339		
Ethylbenzene	ND	0.035		mg/Kg	1	8/17/2022 11:29:00 AM	B90339		
Xylenes, Total	ND	0.069		mg/Kg	1	8/17/2022 11:29:00 AM	B90339		
Surr: 4-Bromofluorobenzene	97.2	70-130		%Rec	1	8/17/2022 11:29:00 AM	B90339		

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

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### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2208A02

Date Reported: 8/22/2022

CLIENT: ENSOLUM	Client Sample ID: SP-1								
Project: Hughes 14		(	Collection Da	te: 8/1	6/2022 9:20:00 AM				
Lab ID: 2208A02-005	Matrix: SOIL		Received Da	t <b>e:</b> 8/1	7/2022 6:30:00 AM				
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch			
EPA METHOD 300.0: ANIONS					Analyst	: NAI			
Chloride	ND	60	mg/Kg	20	8/17/2022 10:21:39 AM	69557			
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	DGH			
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	8/17/2022 10:51:25 AM	69549			
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	8/17/2022 10:51:25 AM	69549			
Surr: DNOP	95.2	21-129	%Rec	1	8/17/2022 10:51:25 AM	69549			
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst	BRM			
Gasoline Range Organics (GRO)	ND	3.5	mg/Kg	1	8/17/2022 11:49:00 AM	A90339			
Surr: BFB	105	37.7-212	%Rec	1	8/17/2022 11:49:00 AM	A90339			
EPA METHOD 8021B: VOLATILES					Analyst	BRM			
Benzene	ND	0.017	mg/Kg	1	8/17/2022 11:49:00 AM	B90339			
Toluene	ND	0.035	mg/Kg	1	8/17/2022 11:49:00 AM	B90339			
Ethylbenzene	ND	0.035	mg/Kg	1	8/17/2022 11:49:00 AM	B90339			
Xylenes, Total	ND	0.069	mg/Kg	1	8/17/2022 11:49:00 AM	B90339			
Surr: 4-Bromofluorobenzene	101	70-130	%Rec	1	8/17/2022 11:49:00 AM	B90339			

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

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2208A02

WO#:

Hall Enviro	Environmental Analysis Laboratory, Inc.								
Client: Project:	ENSOLUM Hughes 14								
Sample ID: MB-69	57 SampType:				thod 300.0: Anior	ıs			
Client ID: PBS Prep Date: 8/17/2	Batch ID: 022 Analysis Date:			RunNo: <b>90334</b> SeqNo: <b>3224202</b>	2 Units: mg/ł	٨g			
Analyte Chloride	Result PC ND	L SPK value	SPK Ref Val	%REC LowL	imit HighLimit	%RPD	RPDLimit	Qual	
Sample ID: LCS-6	557 SampType:	lcs	Tes	tCode: EPA Me	thod 300.0: Anior	าร			
Client ID: LCSS	Batch ID:	69557	F	RunNo: <b>90334</b>					
Prep Date: 8/17/2	Analysis Date:	8/17/2022	S	SeqNo: <b>322420</b> 3	B Units: mg/H	Kg			
Analyte	Result PC	L SPK value	SPK Ref Val	%REC LowL	imit HighLimit	%RPD	RPDLimit	Qual	
Chloride	14	1.5 15.00	0	95.4	90 110				

Qualifiers:

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

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L.	onmental Analysis Laboratory, Inc.	WO#: 2208A02 22-Aug-22
Client: Project:	ENSOLUM Hughes 14	

Sample ID: MB-69549	SampT	ype: ME	BLK	Tes	TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID: PBS	Batcl	h ID: 69	549	F	RunNo: 90349					
Prep Date: 8/17/2022	Analysis D	Date: <b>8/</b>	17/2022	S	SeqNo: 3	223174	Units: <b>mg/#</b>	٤g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	7.9		10.00		78.7	21	129			
Sample ID: LCS-69549	SampT	ype: LC	S	Tes	tCode: El	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID: LCSS	Batcl	h ID: 69	549	F	RunNo: <b>9</b>	0349				
Prep Date: 8/17/2022	Analysis D	Date: <b>8/</b>	17/2022	S	SeqNo: 3	223175	Units: <b>mg/H</b>	٤g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	15	50.00	0	95.9	64.4	127			
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
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- В Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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**ENSOLUM** 

**Client:** 

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

S	% Recovery outside of range due to dilution or matrix interference

Project: Hughes	s 14											
Sample ID: 2.5ug gro Ics     SampType: LCS     TestCode: EPA Method 8015D: Gasoline Range												
Client ID: LCSS	Batch	Batch ID: A90339 RunNo: 90339										
Prep Date:	Analysis D	ate: 8/	17/2022	5	SeqNo: 3	223655	Units: <b>mg/</b> #	٤g				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Gasoline Range Organics (GRO)	26	5.0	25.00	0	104	72.3	137					
Surr: BFB	2100		1000		212	37.7	212			S		
Sample ID: mb	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	e			
Client ID: PBS	Batch	n ID: <b>A9</b>	0339	F	RunNo: 9	0339						
Prep Date:	Prep Date: Analysis Date: 8/17/2022						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	990		1000		99.1	37.7	212					

### 2208A02 22-Aug-22

WO#:

- Analyte detected in the associated Method Blank в Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

**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

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

WO#:	2	208	BA02

22-Aug-22

Client: Project:	ENSOLU Hughes 14										
Sample ID: 100n	g btex lcs	Samp	Гуре: <b>LC</b>	S	Tes	tCode: EF	PA Method	8021B: Volat	tiles		
Client ID: LCS	6	Batc	h ID: <b>B9</b>	0339	F	RunNo: <b>90</b>	)339				
Prep Date:		Analysis [	Date: 8/	17/2022	S	SeqNo: 32	223685	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		0.86	0.025	1.000	0	85.8	80	120			
Toluene		0.88	0.050	1.000	0	87.6	80	120			
Ethylbenzene		0.88	0.050	1.000	0	88.5	80	120			
Xylenes, Total		2.6	0.10	3.000	0	88.0	80	120			
Surr: 4-Bromofluoro	benzene	1.0		1.000		99.8	70	130			
Sample ID: mb		Samp	Гуре: МЕ	BLK	Tes	tCode: EF	PA Method	8021B: Volat	tiles		
Client ID: PBS		Batc	h ID: <b>B9</b>	0339	F	RunNo: <b>9(</b>	)339				
Prep Date:		Analysis [	Date: <b>8/</b>	17/2022	S	SeqNo: 32	223686	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		ND	0.025								
Toluene		ND	0.050								
Ethylbenzene		ND	0.050								
Xylenes, Total		ND	0.10								
Surr: 4-Bromofluoro	benzene	1.0		1.000		99.7	70	130			
Sample ID: 2208	a02-001ams	Samp	Гуре: МS	5	Tes	tCode: EF	PA Method	8021B: Volat	tiles		
Client ID: S-1		Batc	h ID: <b>B9</b>	0339	F						
Prep Date:		Analysis [	Date: 8/	17/2022	S	SeqNo: 32	223692	Units: mg/k	٢g		
Analyte		Result	PQL		SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		0.88	0.025	1.000	0	88.5	68.8	120			
Toluene		0.91	0.050	1.000	0	91.0	73.6	124			
Ethylbenzene		0.93	0.050	1.000	0	92.6	72.7	129			
Xylenes, Total		2.8	0.10	3.000	0	92.8	75.7	126			
Surr: 4-Bromofluoro	benzene	0.95		1.000		95.2	70	130			
Sample ID: 2208	a02-001amsd	Samp	Гуре: МS	D	Tes	tCode: EF	PA Method	8021B: Vola	tiles		
Client ID: S-1		Batc	h ID: <b>B9</b>	0339	F	RunNo: <b>90</b>	)339				
Prep Date:		Analysis [	Date: <b>8/</b>	17/2022	S	SeqNo: 32	223693	Units: <b>mg/k</b>	٢g		
Analyte		Result	PQL		SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		0.86	0.025	1.000	0	85.9	68.8	120	2.89	20	
Toluene		0.88	0.050	1.000	0	88.1	73.6	124	3.22	20	
Ethylbenzene		0.90	0.050	1.000	0	90.1	72.7	129	2.75	20	
Xylenes, Total		2.7	0.10	3.000	0	89.8	75.7	126	3.26	20	
Surr: 4-Bromofluoro		0.96		1.000		96.1	70	130	0	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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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		~ <i>J</i>	

5. V

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HAL ENV	I0/28/2022 9:0 L IRONMENTAL LYSIS ORATORY	Hall Environme TEL: 505-345-3	ntal Analysis Labor 4901 Hawki Albuquerque, NM & 975 FAX: 505-345 v.hallenvironmenta	ns NE 87109 <b>San</b> 4107	nple Log-In Check List	Page
Client Name:	ENSOLUM	Work Order Num	ber: 2208A02		RcptNo: 1	
Received By:	Juan Rojas	8/17/2022 6:30:00	AM	Guan Eng		
Completed By	/: Juan Rojas	8/17/2022 6:43:45	AM	Guanda g		
Reviewed By:	TO	5/17/22		E. C. Connect		
Chain of Cu	istody					
1. Is Chain of	Custody complete	?	Yes 🗹	No 🗌	Not Present	
2. How was the	ne sample delivere	d?	Courier			
Log In			_	_	_	
<ol> <li>Vvas an atte</li> </ol>	empt made to cool	the samples?	Yes 🔽	No 🗌		
4. Were all sa	mples received at	a temperature of >0° C to 6.0°C	Yes 🗸	No 🗌	NA 🗌	
5. Sample(s) i	n proper container	(s)?	Yes 🗸	No 🗌		
6. Sufficient sa	imple volume for in	ndicated test(s)?	Yes 🗸	No 🗌		
7. Are samples	(except VOA and	ONG) properly preserved?	Yes 🗹	No 🗌		
8. Was preser	vative added to bo	ttles?	Yes	No 🗹	NA 🗌	
9. Received at	least 1 vial with he	eadspace <1/4" for AQ VOA?	Yes	No 🗌	NA 🗹	
0. Were any s	ample containers r	eceived broken?	Yes	No 🗹	# of preserved	
	work match bottle l pancies on chain o		Yes 🗹	No 🗌	for pH: (<2 or >12 unless note	d)
		d on Chain of Custody?	Yes 🗸	No 🗌	Adjusted?	u)
3. Is it clear wh	at analyses were	requested?	Yes 🗸	No 🗌		
	ding times able to customer for autho		Yes 🗸	No 🗆	Checked by: JA 8/17/2	22
pecial Hand	lling (if applic	<u>able)</u>				
15. Was client r	notified of all discre	epancies with this order?	Yes	Νο	NA 🗹	
Perso	n Notified:	Date	[	ana ana amin'ny fanina amin'ny fanina amin'ny fanina amin'ny fanina amin'ny fanina amin'ny fanina amin'ny fanin		
By Wi	nom:	Via:	eMail P	hone 🗌 Fax	In Person	
Regar Client	ding:					
16. Additional r	1					
7. <u>Cooler Info</u>	ormation					
Cooler N	o Temp ºC C 1.6 Go	condition Seal Intact Seal No	Seal Date	Signed By		
	1.0 G0	00				

I necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories.	2	Time: Relinquished by: 1	Rev 728	3/202.	2 9:0	8:32	AM	116 920 5 SP-1	p-5 5 5-4	S/16 910 S S-3	C-5 5 500 91/8	1-5 5 009 M/S	Date Time Matrix Sample Name		EDD (Type)	Accreditation:  Az Compliance NELAC Other	Standard     I Level 4 (Full Validation)	OA/OC Packana.	Phone #:	Su:+ # 87410	Mailing Address: LOC S Rio Coarde	Pc	Scient: Ensolven, UC.	of 47 Chain-of-Custody Record
This serves as notice of	-	Received by: Via: Date Time						1 Cout ~105	1 Could -OOY	Cal -003	1 Pol -062	Hora all -001	ContainerPreservativeHEAL No.Type and #Type770 XA 62	Cooler Temp(including CF): 1.60216 (°C)		Sampler: CDApont; On Ice: I Yes I No	K Summers	Project Manager:	1221 H SO		Hughes # 14		Standard Rush 8-17-22	Turn-Around Time: Same Day
this possibility. Any sub-contracted data will be clearly notated on the analytical report.	AFE# Subory	Remarks: Ton Long										21	BTEX / TPH:80 8081 P EDB (M PAHs b RCRA a CI, <del>D</del> , <del>1</del> 8260 (V 8270 (S Total C	15D( estic letho by 83 8 Me 8 Me 8 Me 8 Me 8 Me 8 Me 8 Me	GR ide: od 5 10 tals IO <sub>3</sub>	0 / DF s/8082 04.1) or 827 ; , <b>№</b> 2,	RO / M PCB 0SIM	IRO) S S	Analysis Requ	Tel. 505-345-3975 Fax 505-345-4107	4901 Hawkins NE - Albuquerque, NM 87109		ANALYSTS LABORATORY	

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

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

District III

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

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

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

CONDITIONS

Operator:	OGRID:
Enterprise Field Services, LLC	241602
PO Box 4324	Action Number:
Houston, TX 77210	154584
	Action Type:
	[C-141] Release Corrective Action (C-141)

#### CONDITIONS

Created By	Condition	Condition Date
nvelez	None	11/14/2022

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Action 154584