

September 26, 2025

New Mexico Energy Minerals and Natural Resources Department 1220 South St. Francis Drive Santa Fe, New Mexico 87505

Re: Deferral Request

Big Eddy Unit DI 30 West Battery Incident Number NAPP2510532038 Eddy County, New Mexico

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of XTO Energy, Inc. (XTO), has prepared this *Deferral Request* to document assessment, delineation, excavation, and soil sampling activities at the Big Eddy Unit DI 30 West Battery (Site). The purpose of the Site assessment and soil sampling activities was to assess for the presence or absence of impacts to soil following a release of produced water. Based on field observations and soil sample laboratory analytical results, XTO is submitting this *Deferral Request*, describing Site assessment, delineation, and excavation activities that have occurred and requesting deferral of final remediation for Incident Number NAPP2510532038 until the Site is reconstructed, and/or the well pad is abandoned.

#### SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit I, Section 15, Township 20 South, Range 31 East, in Eddy County, New Mexico (32.57001°, -103.85208°) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM).

On April 14, 2025, corrosion on a surface produced water dump line resulted in the release of approximately 14.0 barrels (bbls) of produced water onto the surface of the well pad and around active production equipment and process piping. A vacuum truck was immediately dispatched to the Site and recovered approximately 10 bbls of released fluids. XTO reported the release to the New Mexico Oil Conservation Division (NMOCD) on a Notification of Release (NOR) on April 15, 2025, and an Initial C-141 Application (C-141) on April 19, 2025. The release was assigned Incident Number NAPP2510532038.

The release location was originally reported to the NMOCD online portal to be in Unit A of Section 15, Township 20 South, Range 31 East; however, based on photographic evidence that includes Global Positioning System (GPS) coordinates of the release, in relation to the reported GPS coordinates, the correct location is in Unit I as described above.

#### SITE CHARACTERIZATION AND CLOSURE CRITERIA

The Site was characterized to assess the applicability of Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29 (19.15.29) of the New Mexico Administrative Code (NMAC). Results from the characterization desktop review are presented below.

Ensolum, LLC | Environmental, Engineering & Hydrogeologic Consultants 3122 National Parks Highway | Carlsbad, NM 88220 | ensolum.com

XTO Energy, Inc. Deferral Request Big Eddy Unit DI 30 West Battery

Depth to groundwater at the Site is estimated to be less than 50 feet below ground surface (bgs) based on nearby depth to groundwater data. The nearest groundwater well is well 323421103515501, permitted by the United States Geological Survey (USGS), and is located approximately 0.82 miles west of the Site. The most recent depth to groundwater measurement is 49 feet bgs and was measured on March 2, 1994. The total depth of the well is 106 bgs. The well log is provided in Appendix A. All wells used to evaluate depth to groundwater are presented on Figure 1.

The closest continuously flowing or significant watercourse to the Site is a riverine located approximately 18,900 feet west of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (low potential karst designation area). Potential Site receptors are identified on Figure 1.

Based on the nearest depth to groundwater data exceeding a distance of 0.5 miles from the Site, as preferred by the NMOCD, the following Table I Closure Criteria (Closure Criteria) apply:

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total petroleum hydrocarbons (TPH): 100 mg/kg
- Chloride: 600 mg/kg

#### SITE ASSESSMENT ACTIVITIES

On April 21, 2025, Ensolum personnel visited the Site to evaluate the release extent based on information provided on the Form C-141 and visual observations. Eleven delineation soil samples (SS01 through SS11) were collected at a depth 0.5 feet bgs. Delineation soil samples SS01 through SS07 were collected outside of the release extent to define the edge of the release and delineation soil samples SS08 through SS11 were collected within the release extent. The delineation soil samples were field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride utilizing Hach® chloride QuanTab® test strips. The release extent and delineation soil sample locations were mapped utilizing a handheld GPS unit and are depicted on Figure 2. Photographic documentation was collected, and a photographic log is included in Appendix B.

The delineation soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were transported under strict chain-of-custody procedures to Cardinal Laboratories (Cardinal) in Hobbs, New Mexico, for analysis of the following constituents of concern (COCs): BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-gasoline range organics (GRO), TPH-diesel range organics (DRO), and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following Standard Method SM4500.

Laboratory analytical results from delineation soil samples SS08 through SS11 indicated chloride concentrations exceeded the Closure Criteria. Soil samples collected outside of the release extent (SS01 through SS07) exhibited COC concentrations in compliance with the Closure Criteria and successfully defined the lateral extent of the release. Based on visible staining in the release area and laboratory analytical results, additional delineation and excavation of impacted soil appeared warranted.



XTO Energy, Inc. Deferral Request Big Eddy Unit DI 30 West Battery

#### **DELINEATION AND EXCAVATION ACTIVITIES**

From May 5 through July 25, 2025, Ensolum personnel returned to the Site to oversee delineation and excavation activities. Three potholes (PH01, SS08A/SS08B, and SS10A) were advanced by heavy equipment and four boreholes (BH01, PH02, SS01A, and SS02A) were advanced by hand auger to assess the lateral and vertical definition of the release. Potholes SS01A, SS02A, SS08A/SS08B, and SS10A were advanced in the vicinity of delineation soil samples SS01, SS02, SS08, and SS10, respectively. All potholes and boreholes were advanced to depths ranging from 1-foot to 3 feet bgs. Discrete delineation soil samples were collected from each pothole and borehole at depths ranging from 0.5 feet to 3 feet bgs. The delineation soil samples were field screened, handled, and submitted to Cardinal for analysis for the same COCs as described above. Field screening results and observations from all potholes and boreholes were logged on lithologic/soil sampling logs, which are included in Appendix C. All delineation soil sample locations are depicted on Figure 2.

Soil was excavated to the maximum extent practicable (MEP) with heavy equipment in the area represented by delineation soil samples SS08, SS08A, and SS09 through SS11, all of which contained chloride concentrations exceeding the Closure Criteria. XTO safety policy restricts soil disturbing activities within a 2-foot radius of any on-site, active production equipment. Following the removal of accessible impacted soil, 5-point composite confirmation soil samples were collected every 200 square feet from the floor and sidewalls of the excavation. Confirmation soil samples FS01 through FS10 were collected from the floor of the excavation at depths ranging from 0.5 feet to 3 feet bgs and SW01 through SW04 were collected from the sidewalls of the excavation at depths ranging from ground surface to 3 feet bgs. The 5-point composite samples were collected by placing five equivalent aliquots of soil into a resealable plastic bag and homogenizing the samples by thoroughly mixing. Confirmation soil samples were handled and analyzed in the same manner as described above. All floor and sidewall excavation confirmation soil sample locations are depicted on Figure 3.

The final excavation extent measured approximately 2,000 square feet. A total of approximately 160 cubic yards of impacted soil was removed during excavation activities and was properly disposed of at the R360 Landfill Facility in Hobbs, New Mexico. Copies of all soil disposal manifests are provided in Appendix D.

#### LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for delineation soil samples SS08, SS08A, and SS09 through SS11 indicated chloride concentrations exceeded Site Closure Criteria, but all these samples were removed by excavation. Analytical results for delineation soil sample PH02 indicated chloride concentrations exceeded Closure Criteria, but this area could not be removed by excavation due to the presence of active production equipment and process piping. Analytical results for all other delineation soil samples collected indicated all COC concentrations were below Closure Criteria. This includes all terminal pothole and borehole depths and all lateral delineation soil samples, fully defining the release vertically and laterally.

Laboratory analytical results for all confirmation soil samples collected from the final excavation extent indicated that all COC concentrations are below Closure Criteria. Laboratory analytical results are summarized on Table 1, and the complete laboratory analytical reports are included in Appendix E.

#### **DEFFERAL REQUEST**

Due to active production equipment and process piping present in the area of where the release occurred, the remaining impacted soil, as indicated in the area of PH02, could not be removed. All accessible impacted soil was excavated to the MEP. The estimated area of remaining impacted soil



XTO Energy, Inc. Deferral Request Big Eddy Unit DI 30 West Battery

measures an estimated 100 cubic yards in a 1,310 square foot area, assuming a depth of 2 feet bgs based on analytical results of PH02A. The impacted soil is limited to the area beneath active production equipment and process piping where remediation would require a major facility deconstruction. The requested deferral area has been vertically defined by soil samples PH02A collected at 2 feet bgs, and laterally defined by BH01/BH01A, SS01/SS01A, SS02/SS02A, and confirmation sidewall sample SW01. The proposed deferral area and all delineation and excavation soil samples used to define the deferral area are depicted on Figure 4.

XTO does not believe deferment will result in imminent risk to human health, the environment, or groundwater. The entirety of the release remained on pad and all confirmation soil samples collected from the final excavation extent indicated all COCs were below Closure Criteria. Based on the presence of active production equipment and process piping within the release area and the complete lateral and vertical definition of impacted soil remaining in place, XTO requests deferral of final remediation for Incident Number NAPP2510532038 until final reclamation of the well pad or major construction, whichever comes first.

If you have any questions or comments, please contact Ms. Tacoma Morrissey at (337) 257-8307 or tmorrissey@ensolum.com.

Sincerely, **Ensolum, LLC** 

Benjamin J. Belill Senior Geologist Tacoma Morrissey Associate Principal

cc: Ashley McAfee, XTO

Kaylan Dirkx, XTO

BLM

#### Appendices:

Figure 1 Site Receptor Map

Figure 2 Delineation Soil Sample Locations Figure 3 Excavation Soil Sample Locations

Figure 4 Deferral Area Map

Table 1 Soil Sample Analytical Results
Appendix A Referenced Well Records

Appendix B Photographic Log

Appendix C Lithologic / Soil Sampling Logs

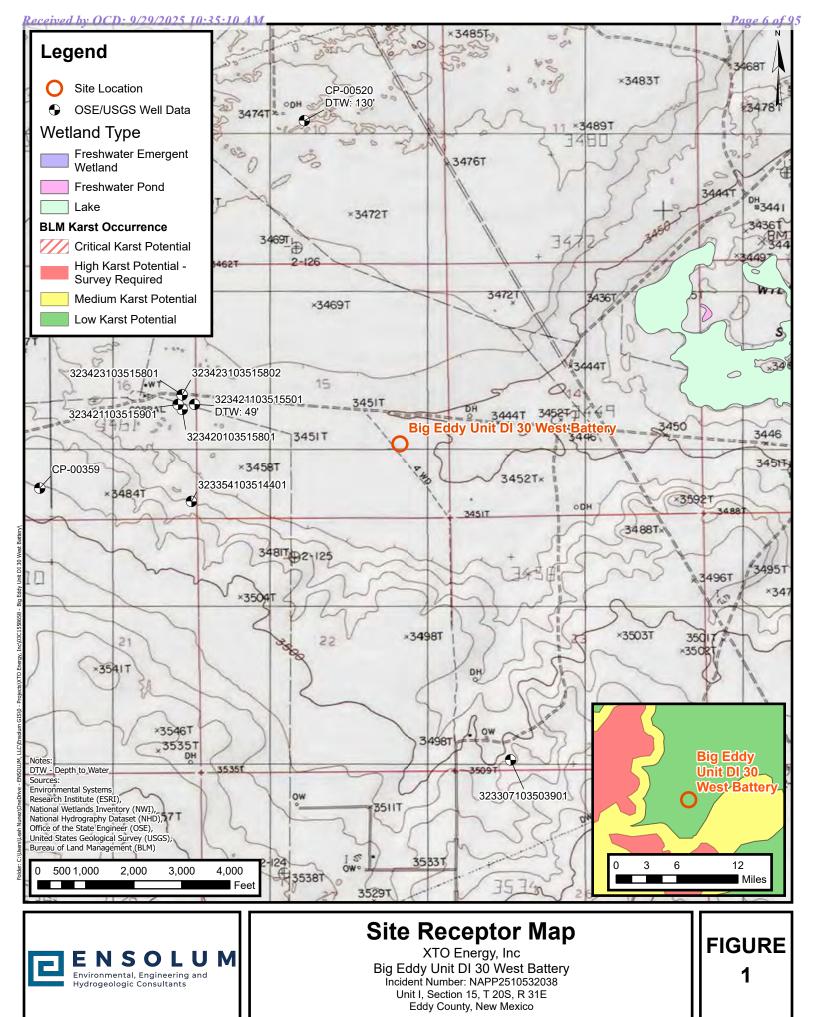
Appendix D Soil Disposal Manifests

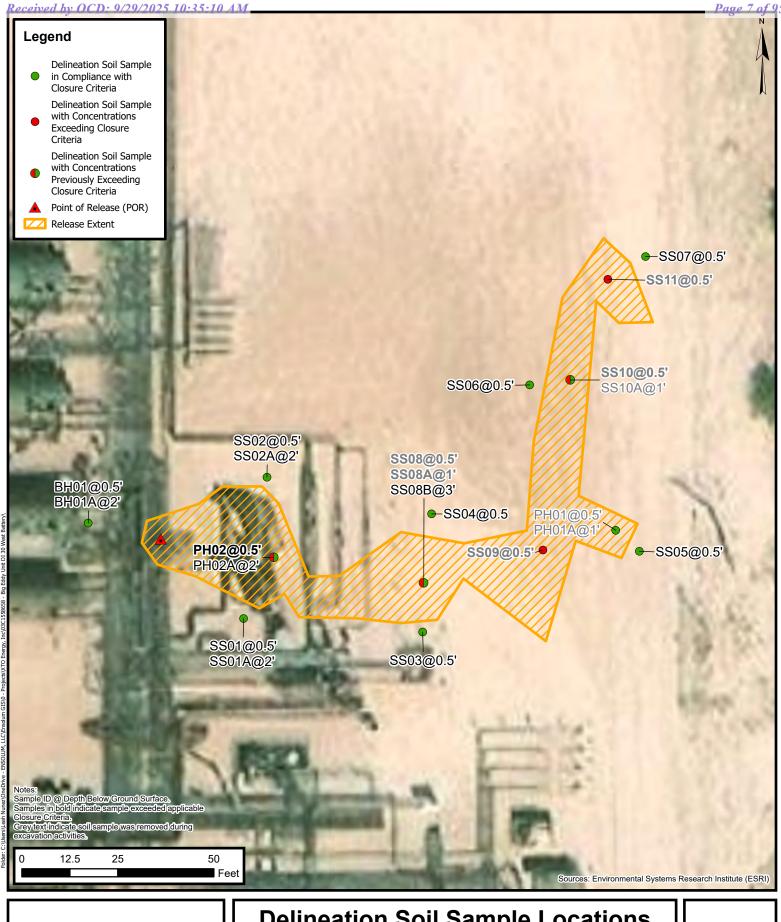
Appendix E Laboratory Analytical Reports & Chain-of-Custody Documentation





**FIGURES** 



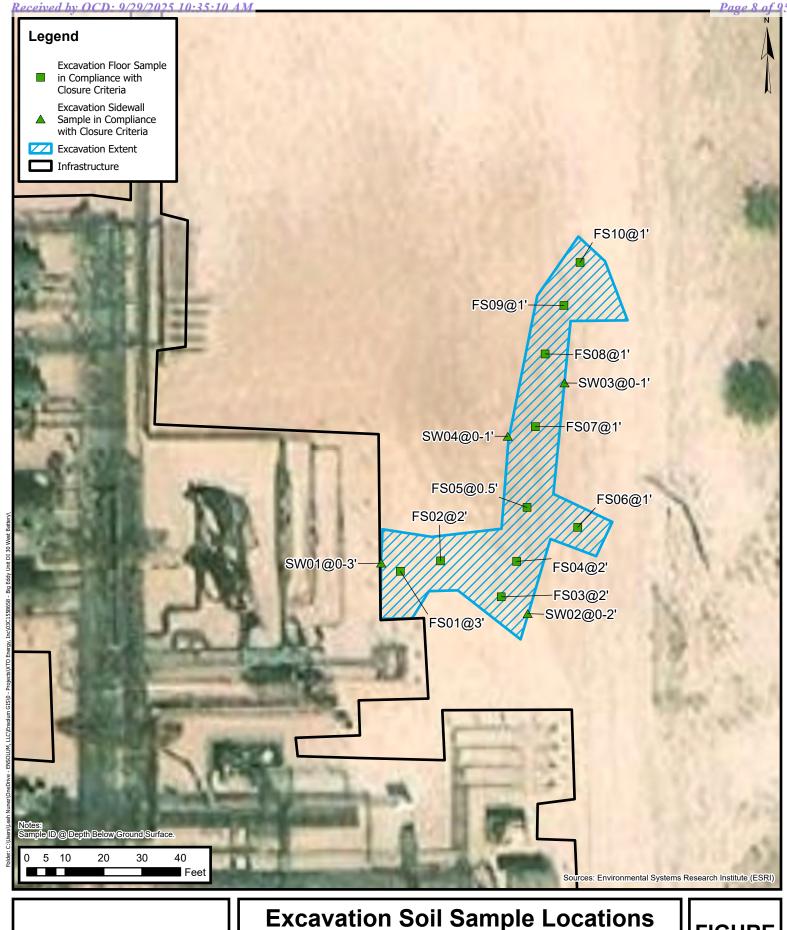




# **Delineation Soil Sample Locations**

XTO Energy, Inc Big Eddy Unit DI 30 West Battery Incident Number: NAPP2510532038 Unit I, Section 15, T 20S, R 31E Eddy County, New Mexico

**FIGURE** 2

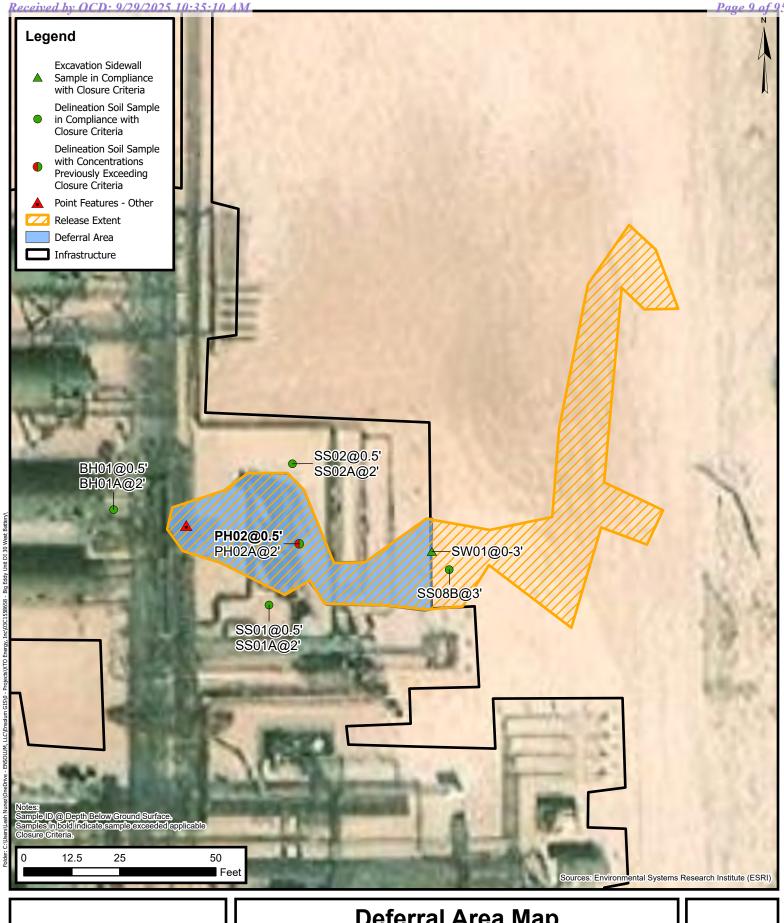




# **Excavation Soil Sample Locations**

XTO Energy, Inc Big Eddy Unit DI 30 West Battery Incident Number: NAPP2510532038 Unit I, Section 15, T 20S, R 31E Eddy County, New Mexico

**FIGURE** 3





# **Deferral Area Map**

XTO Energy, Inc Big Eddy Unit DI 30 West Battery Incident Number: NAPP2510532038 Unit I, Section 15, T 20S, R 31E Eddy County, New Mexico

**FIGURE** 4



**TABLES** 



#### TABLE 1 **SOIL SAMPLE ANALYTICAL RESULTS Big Eddy Unit DI 30 West Battery** XTO Energy, Inc **Eddy County, New Mexico**

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)		
NMOCD Table I CI	osure Criteria (	NMAC 19.15.29)	10	50	NE	NE	NE	NE	100	600		
				Delir	neation Soil Sa	mples						
SS01	04/21/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144		
SS01A	05/09/2025	2	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0		
SS02	04/21/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160		
SS02A	05/09/2025	2	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0		
SS03	04/21/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0		
SS04	04/21/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0		
SS05	04/21/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272		
SS06	04/21/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	352		
SS07	04/21/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0		
SS08	04/21/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	12,400		
SS08A	05/05/2025	4	<del>&lt;0.050</del>	<del>&lt;0.300</del>	<del>&lt;10.0</del>	<10.0	<del>&lt;10.0</del>	<10.0	<del>&lt;10.0</del>	10,000		
SS08B	05/05/2025	3	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160		
<del>SS09</del>	04/21/2025	0.5	<del>&lt;0.050</del>	<del>&lt;0.300</del>	<10.0	<10.0	<del>&lt;10.0</del>	<10.0	<del>&lt;10.0</del>	8,400		
<del>SS10</del>	04/21/2025	0.5	<0.050	<0.300	<del>&lt;10.0</del>	<10.0	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	7,060		
SS10A	05/05/2025	4	<0.050	<0.300	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	48.0		
<del>SS11</del>	04/21/2025	0.5	<0.050	<0.300	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	11,900		
PH01	05/05/2025	0.5	<0.050	<0.300	<del>&lt;10.0</del>	<10.0	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>368</del>		
PH01A	05/05/2025	4	<0.050	<0.300	<10.0	<10.0	<del>&lt;10.0</del>	<10.0	<del>&lt;10.0</del>	224		
PH02	05/08/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	8,880		
PH02A	05/08/2025	2	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144		
BH01	07/25/2025	0.5	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128		
BH01A	07/25/2025	2	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0		
				Confi	rmation Soil Sa	amples						
FS01	05/08/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112		
FS02	05/08/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192		
FS03	05/08/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112		
FS04	05/08/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0		
FS05	05/08/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0		
FS06	05/08/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0		
FS07	05/09/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0		
FS08	05/09/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0		
FS09	05/09/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0		

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Received by OCD: 9/29/2025 10:35:10 AM



# TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS Big Eddy Unit DI 30 West Battery XTO Energy, Inc Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I CI	osure Criteria (	NMAC 19.15.29)	10	50	NE	NE	NE	NE	100	600
FS10	05/09/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
SW01	05/08/2025	0-3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
SW02	05/08/2025	0-2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
SW03	05/09/2025	0-1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SW04	05/09/2025	0-1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0

#### Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

Concentrations in **bold** exceed the NMOCD Table I Closure Criteria or

reclamation requirement where applicable.

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

NMAC: New Mexico Administrative Code

Grey text indicates soil sample removed during excavation activities

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**APPENDIX A** 

Referenced Well Records



**USGS Home Contact USGS** Search USGS

**National Water Information System: Web Interface** 

**USGS** Water Resources

Groundwater **United States** GO

#### Click to hideNews Bulletins

• See the Water Data for the Nation Blog for the latest news and updates.

Groundwater levels for the Nation

Important: Next Generation Monitoring Location Page

#### Search Results -- 1 sites found

Agency code = usqs site\_no list =

• 323421103515501

#### Minimum number of levels = 1

Save file of selected sites to local disk for future upload

#### USGS 323421103515501 20S.31E.16.24334

Eddy County, New Mexico

Latitude 32°34'21", Longitude 103°51'55" NAD27

Land-surface elevation 3,459 feet above NAVD88

The depth of the well is 106 feet below land surface.

This well is completed in the Other aquifers (N9999OTHER) national aquifer.

This well is completed in the Rustler Formation (312RSLR) local aquifer.

#### **Output formats**

<u>Fable of data</u>	
<u>Fab-separated data</u>	
<u>Graph of data</u>	
Reselect period	

Date	Time	? Water- level date- time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measure
1971-02-02		D	62610		3394.97	NGVD29	1	Z		
1971-02-02		D	62611		3396.56	NAVD88	1	Z		
1971-02-02		D	72019	62.44			1	Z		
1972-09-18		D	62610		3395.41	NGVD29	1	Z		
1972-09-18		D	62611		3397.00	NAVD88	1	Z		
1972-09-18		D	72019	62.00			1	Z		
1976-12-14		D	62610		3396.45	NGVD29	1	Z		
1976-12-14		D	62611		3398.04	NAVD88	1	Z		
1976-12-14		D	72019	60.96			1	Z		
1983-02-14		D	62610		3398.65	NGVD29	1	Z		
1983-02-14		D	62611		3400.24	NAVD88	1	Z		
1983-02-14		D	72019	58.76			1	Z		
1984-02-16		D	62610		3399.44	NGVD29	1	Z		
1984-02-16		D	62611		3401.03	NAVD88	1	Z		
1984-02-16		D	72019	57.97			1	Z		
1986-01-22		D	62610		3401.73	NGVD29	1	Z		
1986-01-22		D	62611	FF 60	3403.32	NAVD88	1	Z		
1986-01-22		D	72019	55.68			1	Z		

Date	Time	? Water- level date- time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measure
1994-03-02		D	62610		3408.33	NGVD29	1	S		
1994-03-02	!	D	62611		3409.92	NAVD88	1	S		
1994-03-02		D	72019	49.08			1	S		

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	А	Approved for publication Processing and review completed.

Questions about sites/data? Feedback on this web site Automated retrievals <u>Help</u> <u>Data Tips</u> Explanation of terms
Subscribe for system changes <u>News</u>

Accessibility FOIA Privacy Policies and Notices

URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: <u>USGS Water Data Support Team</u> Page Last Modified: 2022-12-19 13:43:55 EST

0.28 0.24 nadww02





**APPENDIX B** 

Photographic Log



#### **Photographic Log**

XTO Energy, Inc.
Big Eddy Unit DI 30 West Battery
Incident Number NAPP2510532038





Photograph: 1 Date: 4/14/2025

Description: Release extent, near process piping.

View: Southwest

Photograph: 2 Date: 4/14/2025

Description: Release area, spill response.

View: Northwest





Photograph: 3 Date: 5/8/2025

Description: Deferral area, PH02.

View: North

Photograph: 4 Date: 5/8/2025

Description: Excavation activities.

View: Southwest



#### **Photographic Log**

XTO Energy, Inc.
Big Eddy Unit DI 30 West Battery
Incident Number NAPP2510532038





Photograph: 5 Date: 5/8/2025

Description: Final excavation extent area

View: South

Photograph: 6 Date: 5/8/2025

Description: Final excavation extent area

View: North



Photograph: 7 Date: 7/7/2025

Description: Backfilled excavation

View: Southwest



Photograph: 8 Date: 7/25/2025

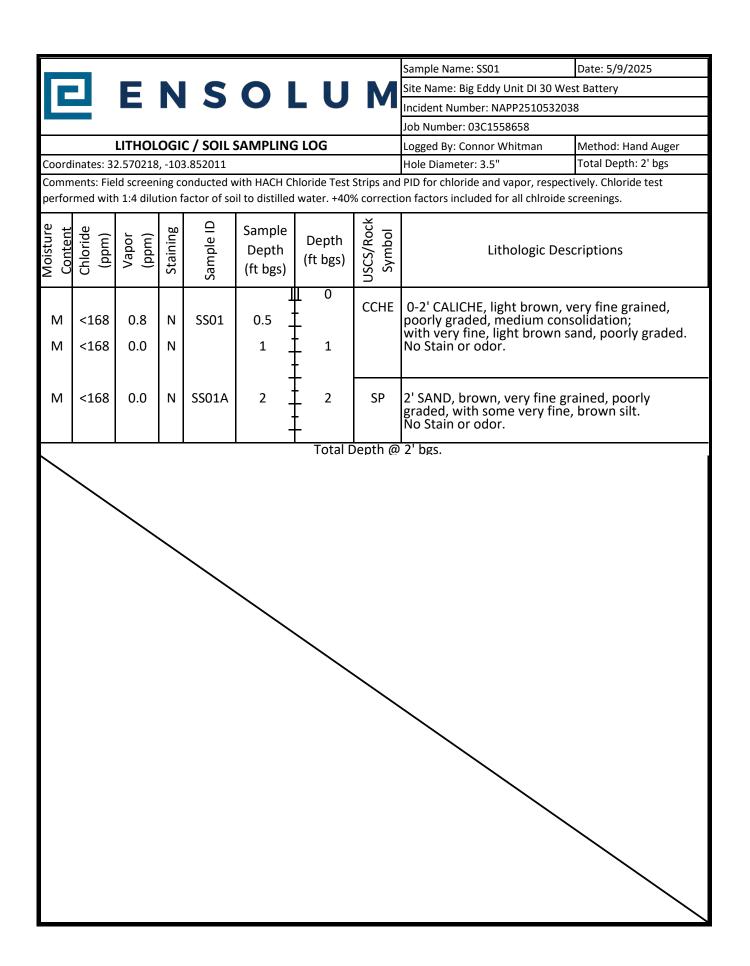
Description: Delineation activities, BH01

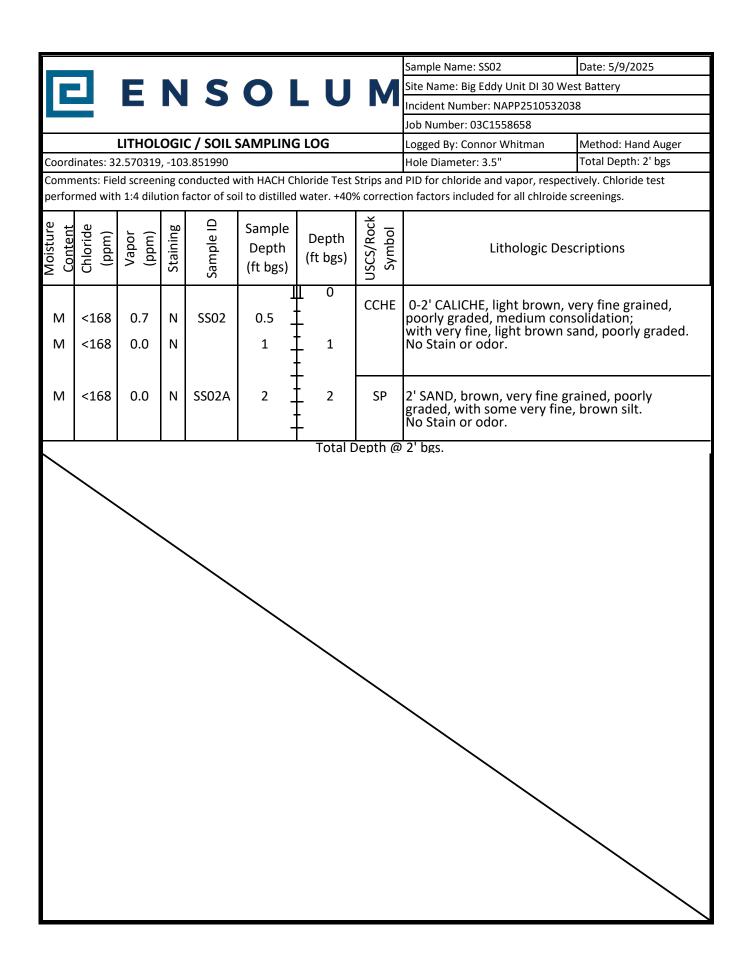
View: East

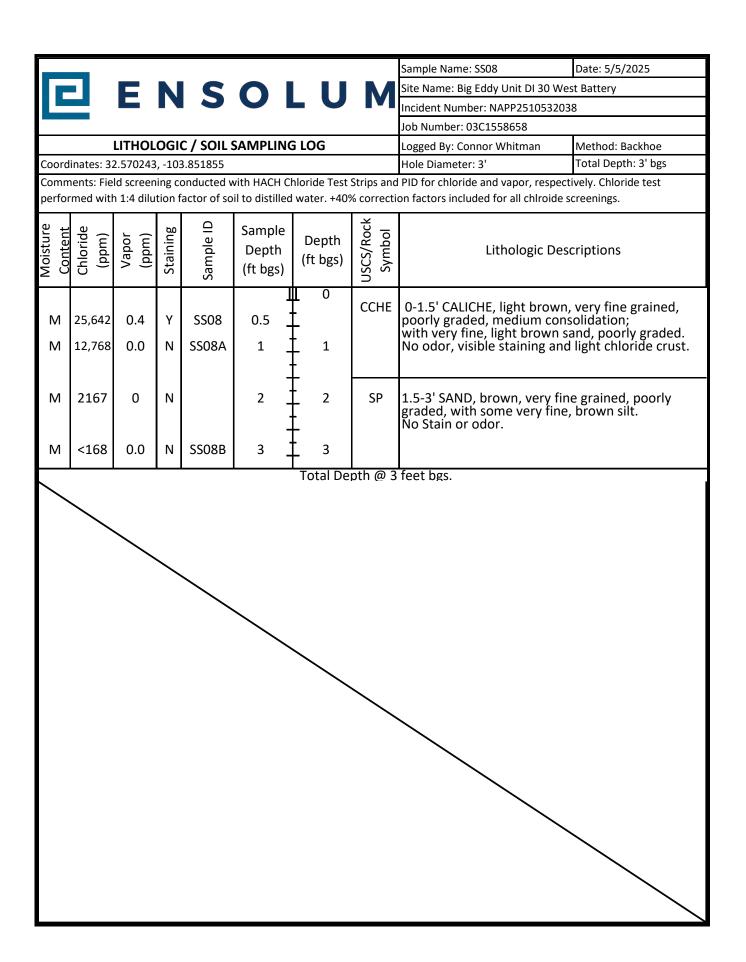


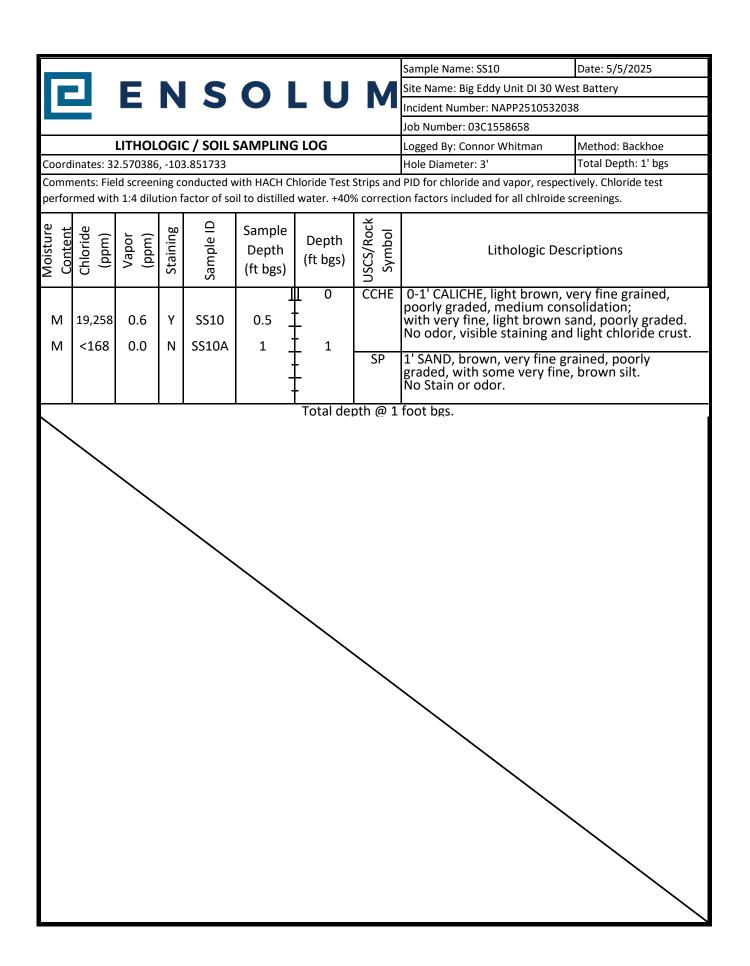
APPENDIX C

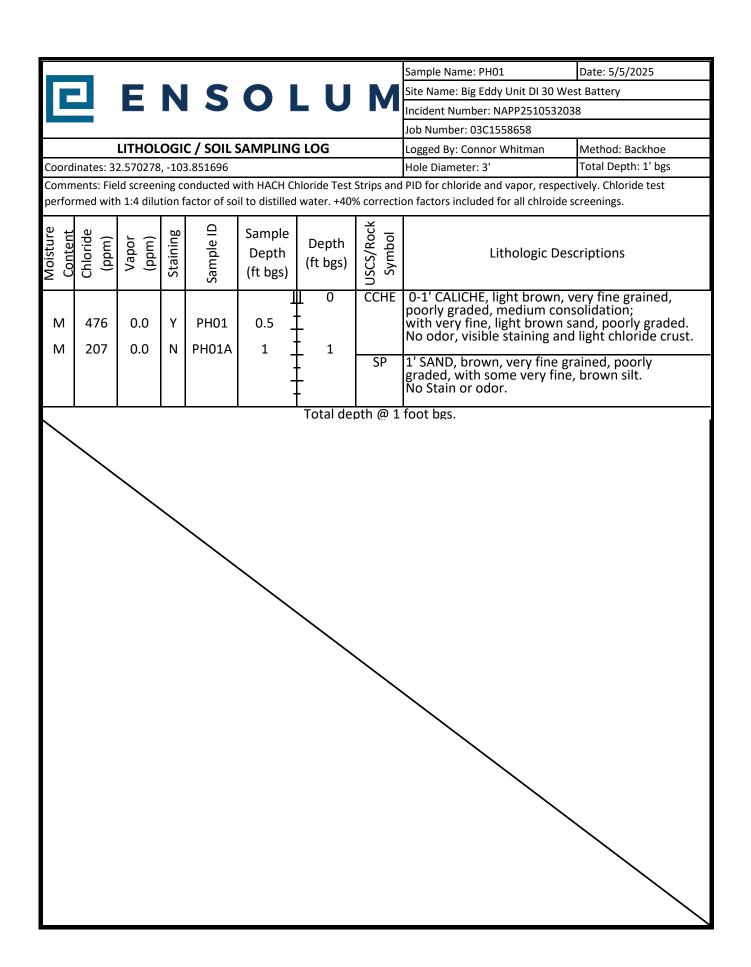
Lithologic Soil Sampling Logs

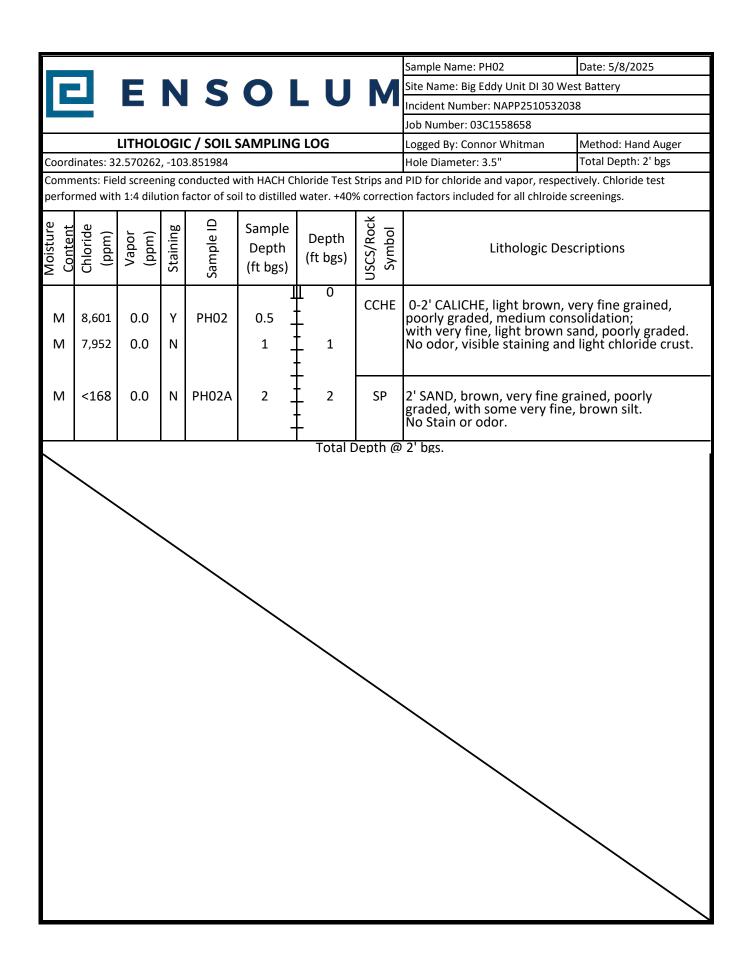


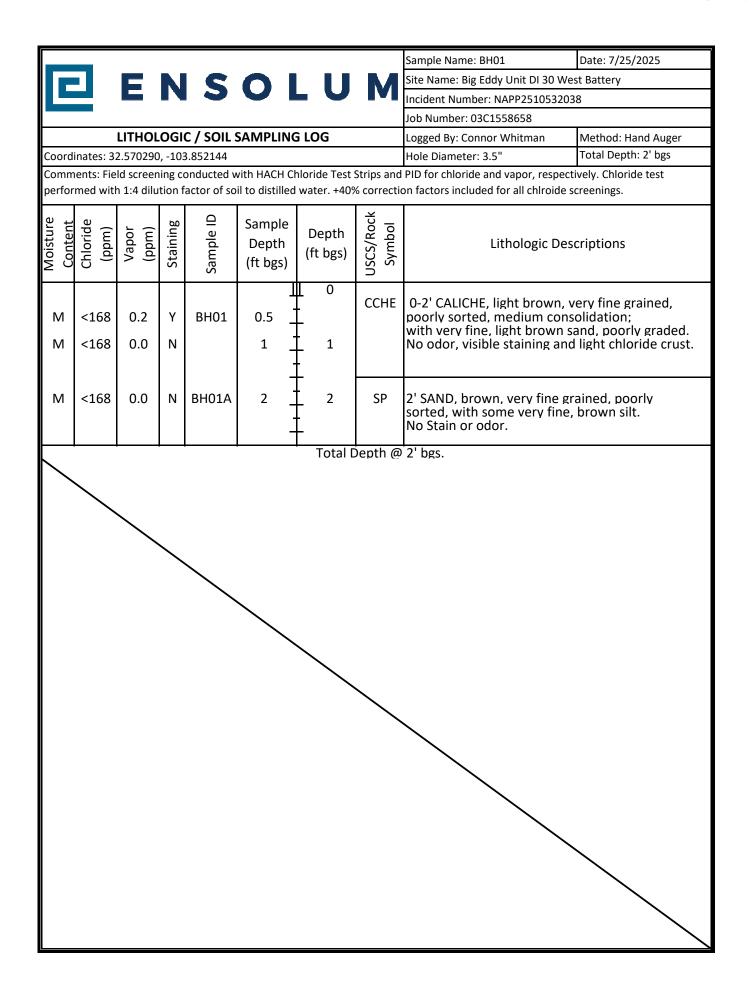














APPENDIX D

Soil Disposal Manifests

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any	Man	Con	ldu	LIII	110	HH	auc	)[1]

Received by OCD: 9/29/2023	5 10:35:10 AM NEW MEX	ICO NON-HAZARDOI	JS OILFIELD W	ASTE MA	ANIFEST	Company Man Co	Page 28 of
R360 ENVIRONMENTAL SOLUTIONS		19	NA WHAT		INFORMATION*	Name Phone No	Guntar L
		GENEI	RATOR		NO.	HW-762:	194
Generator Manifest #		(200)	Location of Orig	gin	of work or revised	No Posterior	West Towns
Generator Name Address	) — m 131 m	olomog motive il most Smithtle transferior	Lease/Well Name & No. County		and the second		7 13
City, State, Zip Phone No.	legacir.	the same and the	API No. Rig Name & No AFE/PO No.	). <u> </u>	Tage of the same		
	MPT E&P Waste/Service lo		place volume nex	t to waste t	The second secon		
Oil Based Muds Oil Based Cuttings Water Based Muds Water Based Cuttings Produced Formation Solids	Washout V Completio	CTABLE WATERS  Water (Non-Injectable) In Fluid/Flow Back (Non-Injectable) Water (Non-Injectable) Line Water/Waste (Non-Inje	The second second		OTHER EXEMPT E&P WA	STE STREAMS	orbys:
Tank Bottoms		USE ONLY			TOP SOIL & CALICHE SAL	ES	
Gas Plant Waste	Truck Was	shout (exempt waste)	YES	NO	QUANTITY	TOP SOIL	CALICHE
WASTE GENERATION PROCESS:	DRILLING	COMPLETION	☐ PRO	DUCTION	☐ GATHER	ING LINES	
All no Non-Exempt Other	n-exempt E&P waste must be a	NON-EXEMPT E&P Waste/Se analysed and be below thres	hold limits for toxicit	ty (TCLP), Ign	itability, Corrosivity adn Re		1453
DISPOSAL QUANTITY	B - BAR	DELC	t HOUR		V VADDE	F. F.	ACI
hereby certify that the above listed mat		222	L - LIQUID	whi same is	Y - YARDS		ACH
packaged; and is in proper condition for to RCRA EXEMPT:  RCRA NON-EXEMPT:	Oil field wastes generated from per load basis only)  Oil field waste which is non-140 CFR 261.21-261.24, or list waste as non-hazardous is at MSDS Information	om oil and gas exploration ar hazardous that does not exce ed hazardous waste as defin ttached. (Check the appropria	ed the minimum sta ed by 40 CFR, part 2	ndards for w 61, subpart E d)	aste hazardous by characte ), as amended. The followin	eristics established in	n RCRA regulations monstrating the
EMERGENCY NON-OILFIELD	Emergency non-hazardous, no determination and a descript	on-oilfield waste that has be	en ordered by the De				
(PRINT) AUTHORIZED A	GENTS SIGNATURE	DA DA	ATE .		SIGNATURE		
Transporter's	DIMA	TRANSI	PORTER				all man and
Name	TO DIVIDE		Driver's Name	1	and start	AT WALL	THE N
Address	and the first	36	Print Name	m W Sunta	-1		-
Phone No.  Transporter Ticket #	COLUMN TO STATE OF THE PARTY OF		Phone No. Truck No.	-11-1	L 41	The Street of th	material a
I hereby certify that the above named ma	terial(s) was/were picked up a	t the Generator's site listed a		without incid	dent to the disposal facility	listed below.	State of Sta
The second secon	description of the second		C North		17.1	according to the	(market and a second
SHIPMENT DATE  TRUCK TIME STA	DRIVER'S SIGNAT	The second secon	DELIVERY	DATE		ORIVER'S SIGNATURE	
IN:OUT:	The second secon	DISPOSAL	. FAGILITY		Name/No	ING AREA	
	cility / NM1-006 / US 62 / 180 Mile Marker 66 (	Carlsbad, NM 88220	Phone No.	575-	392-6368		=pell min
NORM READINGS PASS THE PAINT FILT		ES NO	If YES, was rea	iding > 50 m	nicro roentgents? (Circle		NO NO
			OTTOMS		VAN		
1st Guage Feet	Inche	25:	B	S&W/BBLS	Received I	BS&W (%)	
2nd Guage		The state of the s	-		ee Water	DOGAY (70)	
Received		The second second		Total	Received		
hereby certify that the above load mate	ial has been (circle one):	ACCEPTED	DENIED AND I	Uf denie	d, why?	0	

(PLEASE PRINT) \*REQUIRED INFORMATION\*

Company	Man Co.	Page 2	9 UJ 93
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SOLUTIONS	Date Land	the distribution of the	Photos Photos	one No.
	GENER	ATOR	NO. H	V-762199
Generator Manifest #  Generator Name Address  City, State, Zip	The optimization of the second	Location of Origin Lease/Well Name & No. County API No. Rig Name & No.	and a series of the series of	Control of the contro
Phone No.	nt nt man dist	AFE/PO No.	1-1/1	there all the STA
Oil Based Muds	Service Identification and Amount (p	place volume next to waste	type in barrels or cubic yard OTHER EXEMPT E&P WASTE	
Water Based Cuttings Water Based Cuttings Produced Formation Solids Tank Bottoms	Washout Water (Non-Injectable) Completion Fluid/Flow Back (Non-Injecta Produced Water (Non-Injectable) Gathering Line Water/Waste (Non-Injec		ESTIMATE	Manufacture granting
E&P Contaminated Soil Gas Plant Waste	INTERNAL USE ONLY Truck Washout (exempt waste)	YES NO	TOP SOIL & CALICHE SALES QUANTITY	TOP SOIL CALICHE
WASTE GENERATION PROCESS: DRILLING		☐ PRODUCTION	GATHERIN	
All non-exempt E&P wast	NON-EXEMPT E&P Waste/Sen te must be analysed and be below thresh	vice Identification and Amount	nitability Corrosivity ado Reacti	vitv
Non-Exempt Other			om Non-Exempt Waste List	
DISPOSAL QUANTITY	B - BARRELS	L-LIQUID	Y - YARDS	E-EACH
40 CFR 261.21-26 waste as non-haz MSDS Information EMERGENCY NON-OILFIELD Emergency non-haz	nich is non-hazardous that does not excee  1.24, or listed hazardous waste as define ardous is attached. (Check the appropriat  I RCRA Ha  azardous, non-oilfield waste that has bee d a description of the waste must accomp	d by 40 CFR, part 261, subpart I te items as provided) azardous Waste Analysis n ordered by the Department of	D, as amended. The following o	ocumentation demonstrating the rovide Description Below)
(PRINT) AUTHORIZED AGENTS SIGNATURE	DAT		SIGNATURE	
	IVER'S SIGNATURE	Driver's Name Print Name Phone No. Truck No. bove and delivered without inci		ed below.
TRUCK TIME STAMP  IN:OUT:	DISPOSAL		RECEIVIN Name/No.	G AREA
Permit No. Address Halfway Facility / NM1-00 6601 Hobbs Hwy US 62 / 180 Mile I	Marker 66 Carlsbad, NM 88220		392-6368	VEC & INO
NORM READINGS TAKEN? (Circle ( PASS THE PAINT FILTER TEST? (Circle (		it its, was reading > 50 f	nicro roentgents? (Circle On	e) YES NO
	TANK BO	TTOMS	100000000000000000000000000000000000000	ate or a second
Ist Guage Page Page Page Page Page Page Page P	Inches		Received ree Water Received	BS&W (%)
hereby certify that the above load material has been (circle	one): ACCEPTED D	DENIED If denie	od, why?	SIGNATURE

100		Page 30	į
Company	Man	Contact informa	l
1000	4	AT THE RESIDENCE OF	

ENVIRONMENTAL SOLUTIONS		(PLEASE PHINT) REQUIR	Ph	one No. <u>5 15 - 98 - 4</u>
	0	ENERATOR	NO. H	V-762198
Generator Manifest # Generator Name Address	O salman Pall o branching annual to	Location of Origin Lease/Well Name & No. County API No.	and the state of t	BOCTBE
City, State, Zip Phone No.		Rig Name & No  AFE/PO No	A Proposition of the second	-10 (P-31)
	PT E&P Waste/Service Identification and	Amount (place volume next to wa		
Oil Based Muds Oil Based Cuttings Water Based Muds Water Based Cuttings Produced Formation Solids Tank Bottoms E&P Contaminated Soil Gas Plant Waste	NON-INJECTABLE WATERS  Washout Water (Non-Injectal Completion Fluid/Flow Back Produced Water (Non-Injectal Gathering Line Water/Waster INTERNAL USE ONLY Truck Washout (exempt was	(Non-Injectable) able) a (Non-Injectable)	TOP SOIL & CALICHE SALES	Demps  Topsoil caliche
WASTE GENERATION PROCESS:	☐ DRILLING ☐ COMPLE	- / -		111111111111111111111111111111111111111
	NON-EXEMPT E&P	Waste/Service Identification and Amo	unt	
Non-Exempt Other	exempt E&P waste must be analysed and be be	elow threshold limits for toxicity (TCLP)	Ignitability, Corrosivity adn Reaction from Non-Exempt Waste List	
DISPOSAL QUANTITY	B - BARRELS	L - LIQUID	Y-YARDS 20	E-EACH
EMERGENCY NON-OILFIELD	0 CFR 261.21-261.24, or listed hazardous wast aste as non-hazardous is attached. (Check the ASDS Information	a appropriate items as provided)  RCRA Hazardous Waste Analysis that has been ordered by the Departme	Other (P	rovide Description Below)
(PRINT) AUTHORIZED AGE	NTS SIGNATURE	DATE	SIGNATURE	
Transporter's Name Address Phone No. Transporter Ticket # I hereby certify that the above named mater	rial(s) was/were picked up at the Generator's s		incident to the disposal facility list	
SHIPMENT DATE	DRIVER'S SIGNATURE	DELIVERY DATE	7	ER'S SIGNATURE
TRUCK TIME STAM	DISP	OSAL FACILITY	Name/No	IG AREA
Site Name/ Permit No. Address  Halfway Facil 6601 Hobbs Hwy U  NORM READINGS TA	S 62 / 180 Mile Marker 66 Carlsbad, NM 882	20	<b>75-392-6368</b> 50 micro roentgents? (Circle Or	ne) YES NO 🚕
PASS THE PAINT FILTER		NK BOTTOMS	-	The state of the s
1st Guage Feet 2nd Guage Received	Inches	BS&W/B	BLS Received Free Water otal Received	BS&W (%)

## NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

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Name	Kent

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1000	~ 11	1000	-			

SOLUTIONS		STATE OF SHAPE STATE OF STATE		Phone No
	G	ENERATOR	NO.	W-762200
Generator Manifest #  Generator Name Address  City, State, Zip Phone No	m toda am sancta i di	Location of Origin Lease/Well Name & No. County API No. Rig Name & No. AFE/PO No.	B-4 d9-3	O CTRE
EXEMPT E&P Was	te/Service Identification and	Amount (place volume next to was	NAME AND ADDRESS OF THE OWNER, WHEN PERSON ADDRESS OF THE OWNER, WHEN PERSON AND ADDRESS OF THE OWNER, WHEN	
Oil Based Muds Oil Based Cuttings Water Based Muds Water Based Cuttings Produced Formation Solids Tank Bottoms E&P Contaminated Soil Gas Plant Waste	NON-INJECTABLE WATERS Washout Water (Non-Injectal Completion Fluid/Flow Back ( Produced Water (Non-Injectal Gathering Line Water/Wastel INTERNAL USE ONLY Truck Washout (exempt wastel	Non-Injectable) ble) (Non-Injectable)  e)  YES  NO	TOP SOIL & CALICHE SALE	AONVS s ds TOP SOIL CALICHE
WASTE GENERATION PROCESS: DRILL	ING COMPLET	TION PRODUCTIO	N GATHER	ING LINES
All non-exempt E&P w Non-Exempt Other	NON-EXEMPT E&P aste must be analysed and be be	Waste/Service Identification and Amou How threshold limits for toxicity (TCLP). *please select	int Ignitability, Corrosivity adn Rea t <i>from <b>Non-Exempt Waste Li</b></i>	
DISPOSAL QUANTITY	B - BARRELS	L - LIQUID	Y-YARDS 7	E - EACH
Per load basis of Oil field waste 40 CFR 261.21- waste as non-fill MSDS Informa  EMERGENCY NON-OILFIELD Emergency nor	cording to applicable regulation. s generated from oil and gas explonly) which is non-hazardous that doe 261.24, or listed hazardous wast nazardous is attached. (Check the	oration and production operation and a s not exceed the minimum standards for e as defined by 40 CFR, part 261, subpart appropriate items as provided)  RCRA Hazardous Waste Analysis and has been ordered by the Departmen	or waste hazardous by characte art D, as amended. The followin	waste (R360 Accepts certifications on a ristics established in RCRA regulations, ig documentation demonstrating the r (Provide Description Below)
(PRINT) AUTHORIZED AGENTS SIGNATURE	-	DATE	SIGNATURE	
Transporter's Name Address Phone No. Transporter Ticket #	A 100	ANSPORTER  Driver's Name Print Name Phone No. Truck No.  ite listed above and delivered without	incident to the disposal facility	listed below.
SHIPMENT DATE	DRIVER'S SIGNATURE	DELIVERY DATE		PRIVER'S SIGNATURE
TRUCK TIME STAMP IN:OUT:		OSAL FACILITY		/ING AREA
Site Name/ Permit No. Address Halfway Facility / NM1- 6601 Hobbs Hwy US 62 / 180 Mil NORM READINGS #AKEN? (Circ	e Marker 66 Carlsbad, NM 8822	20	75-392-6368 50 micro roentgents? (Circle	QA YES NO
PASS THE PAINT FILTER TEST? (Circ		if (Lo, was reading > c	of micro roentgents: (circle	<b>2</b> 113 110
Ist Guage Feet Process Feet Pro	Inches	To	BLS Received Free Water otal Received	BS&W (%)
hereby certify that the above load material has been (cir	cle one): ACCEPTED	DENIED If de	enied, why?	V

## NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT) \*REQUIRED INFORMATION\*

Company	Man Confact II	normation	
Name _	KANT	€47	
diam'r.			

ENVIRONMENTAL SOLUTIONS		(I ELAOL	THE COURT	il se alla municipalità	Phone No.
		GENER	ATOR	NC	. HW-762196
Generator Manifest #		10.	Location of Origin	popularities manual a	Magazilla. From a play
VIA	The second second		Lease/Well	No and a second	newson att omrobines
Generator Name			Ivaliio & Ivo.	BEY AT	O THE
Address		main street	County API No	- In - W	
City State Zin		- to a section of the section of	Rig Name & No.	/ - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	
City, State, Zip Phone No		- Victorial No.	AFE/PO No	10 11 11	0.000
THE STATE OF THE S	T F&P Waste/Service Ide	ntification and Amount (	place volume next to wast	e type in barrels or cub	ic vards)
Oil Based Muds	The second liverage and the second	TABLE WATERS	Jude Volume Hove to Hade	OTHER EXEMPT E&P	
Oil Based Cuttings	Washout Wa	ater (Non-Injectable)		The state of the s	Carrier of the author
Water Based Muds Water Based Cuttings		Fluid/Flow Back (Non-Inject ater (Non-Injectable)	able)	BOTTA	domps
Produced Formation Solids		ine Water/Waste (Non-Inject	table)	or achiell a but ods	2011 A
Tank Bottoms  E&P Contaminated Soil	INTERNAL U	ISE ONLY		TOP SOIL & CALICHE	SALES
Gas Plant Waste	Truck Wash	out (exempt waste)	YES NO	QUANTITY 2	TOP SOIL CALICHE
WASTE GENERATION PROCESS:	DRILLING	COMPLETION	PRODUCTION	V ☐ GATI	HERING LINES
	NO	ON-EXEMPT E&P Waste/Ser	vice Identification and Amour	nt	
	empt E&P waste must be an	alysed and be below thresh	old limits for toxicity (TCLP), I	gnitability, Corrosivity adr	MIT / AVAIL -
Non-Exempt Other			*please select	from Non-Exempt Was	te List on back
DISPOSAL QUANTITY	B - BARRE	ELS	L-LIQUID	Y-YARDS 7	O E-EACH
I hereby certify that the above listed materia	I(s), is (are) not hazardous wa	aste as defined by 40 CFR P	art 261 or any applicable stat	e law. That each waste ha	is been properly described, classified and
packaged, and is in proper condition for tran					IDOCA A
	I field wastes generated from er load basis only)	n oil and gas exploration an	d production operation and ai	e not mixed with non-exe	mpt waste (R360 Accepts certifications on a
		azardous that does not exce	ed the minimum standards for	waste hazardous by char	racteristics established in RCRA regulations,
40				rt D, as amended. The foll	owing documentation demonstrating the
The state of the s	aste as non-hazardous is atta ISDS Information		azardous Waste Analysis		Other (Provide Description Below)
AND ADDRESS OF A PERSON AND AD					er, documentation of non-hazardous waste
	etermination and a description			or rabile dately (the orde	, documentation of fight flat documents
			and the state of t		
(PRINT) AUTHORIZED AGEN	ITS SIGNATURE	DA	TE	SIGN	ATURE
		TRANSF	PORTER		
Transporter's Name	we've		Driver's Name	Blemen	la leses
Address	10 Kilita - 1	AC	Print Name		
Phone No.	2843 26		Phone No.		- the fell and for the
Transporter Ticket #		201	Truck No.	0.8	The second second
I hereby certify that the above named mater	ial(s) was/were picked up at	the Generator's site listed a	bove and delivered without it	ncident to the disposal fac	ility listed below.
SHIPMENT DATE	DRIVER'S SIGNATU	IDC.	DELIVERY DATE	- ,	DRIVER'S SIGNATURE
		The second second	the second second second	DEC	
TRUCK TIME STAM		DISPOSAL	FACILITY		CEIVING AREA
IN:OUT:				Name/No	00
Site Name/	181884 000		and Winds	total .	The party and
Permit No. Halfway Facil		ovlahad NIM 00220	Phone No. 57	5-392-6368	
Address 6601 Hobbs Hwy U	S 62 / 180 Mile Marker 66 Ca				
NORM READINGS T	AKEN? (Circle One) YE	S NO	If YES, was reading > 5	0 micro roentgents? (Ci	ircle One) YES NO
PASS THE PAINT FILTER	TEST? (Circle One) YE	S NO	all and the second		and the parties of the same of
		TANK BO	OTTOMS	-	
Feet	Inches				No. of the line of the
1st Guage			BS&W/BE	BLS Received	BS&W (%)
2nd Guage		100	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Free Water	Charles design
Received			10	tal Received	
I hereby certify that the above load materia	has been (circle one):	ACCEPTED	DENIED If de	nied, why?	III
Molandar V	7	122/126	HYMM	Axo	

TITLE

# NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Compan	y Man	Contact information	
والمادلية	WELD	Lermanal L	

Name	Ko	40	4.63	Z
Phone	No	young		

	GENE	RATOR	NO. HW-762195
Generator Manifest #	100	Location of Origin	at the state of th
Generator Name		Lease/Well Name & No.	Sex 1º 50 CTR
Address		County	other methods are stored and again
		API No.	AND THE PARTY AND ADDRESS OF THE PARTY.
City, State, Zip	The little and all the	Rig Name & No	
Phone No.		AFE/PO No. —	
	/Service Identification and Amount	place volume next to waste	
Oil Based Muds Oil Based Cuttings	NON-INJECTABLE WATERS Washout Water (Non-Injectable)		OTHER EXEMPT E&P WASTE STREAMS
Water Based Muds Water Based Cuttings	Completion Fluid/Flow Back (Non-Injection	table)	Destroy Donne
Produced Formation Solids	Produced Water (Non-Injectable) Gathering Line Water/Waste (Non-Inje	ectable)	Selly Sours
Tank BottomsE&P Contaminated Soil	INTERNAL USE ONLY		TOP SOIL & CALICHE SALES
Gas Plant Waste	Truck Washout (exempt waste)	YES NO	QUANTITY 70 4045 TOP SOIL CALICHE
WASTE GENERATION PROCESS: DRILLIN	G COMPLETION	☐ PRODUCTION	☐ GATHERING LINES
All and promot CS.B. unce	NON-EXEMPT E&P Waste/Se	ervice Identification and Amoun	t'
Non-Exempt Other	te must be analysed and be below thres		from Non-Exempt Waste List on back
DISPOSAL QUANTITY	B - BARRELS	L-LIQUID 7.6	Y - YARDS E - EACH
I hereby certify that the above listed material(s), is (are) not	3 7070235	10.17	law. That each waste has been properly described, classified and
packaged, and is in proper condition for transportation accor-	rding to applicable regulation.		
RCRA EXEMPT: Oil field wastes g per load basis onl		nd production operation and are	e not mixed with non-exempt waste (R360 Accepts certifications on a
The state of the s		eed the minimum standards for	waste hazardous by characteristics established in RCRA regulations
40 CFR 261.21-26	<ol> <li>24, or listed hazardous waste as defin ardous is attached. (Check the appropria</li> </ol>	ed by 40 CFR, part 261, subpar	t D, as amended. The following documentation demonstrating the
MSDS Information		lazardous Waste Analysis	Other (Provide Description Below)
EMERGENCY NON-OILFIELD Emergency non-ha	azardous, non-oilfield waste that has be	en ordered by the Department	of Public Safety (the order, documentation of non-hazardous waste
determination and	d a description of the waste must accom	npany this form)	
(PRINT) AUTHORIZED AGENTS SIGNATURE	- N	ATE	SIGNATURE
II MINT) NOTHORIZED MOENTS SIGNATURE		PORTER	วเลเพนาบทะ
Transporter's	Inalva	s - Pa Questa III I	100000000000000000000000000000000000000
Name Address Action School	- U Dira	Driver's Name	Manuer Valeros
Phone No.	718	Print Name Phone No	
Transporter Ticket #	200	Truck No.	108
hereby certify that the above named material(s) was/were	picked up at the Generator's site listed	above and delivered without in	cident to the disposal facility listed below.
AUGUSTA SATE	WEDS WOLLD IN	5-11-15	All the second s
	IVER'S SIGNATURE	DELIVERY DATE	DRIVER'S SIGNATURE
TRUCK TIME STAMP	DISPUSAL	LFACILITY	RECEIVING AREA
IN: OUT:			Name/No
Site Name/ Permit No. Halfway Facility / NM1-00	ns.	C71	200 6260
Permit No. Halfway Facility / NM1-00 Address 6601 Hobbs Hwy US 62 / 180 Mile I		Phone No. 578	5-392-6368
		W.VCO	
NORM READINGS TAKEN? (Circle PASS THE PAINT FILTER TEST? (Circle		If YES, was reading > 5L	micro roentgents? (Circle One) YES NO
(Add the Paint Hereit Leats Joing)		OTTOMC	
Feet	IAINK BI	OTTOMS	The state of the s
1st Guage	menco	BS&W/BBI	S Received BS&W (%)
2nd Guage			Free Water
Received		Tot	al Received
hereby certify that the above load material has been (circle	one): ACCEPTED	DENIED If den	ied, why?
Malancella	2010010	HOLVE	10
NAME (PRINT)	DATE	TITLE	SIGNATURE

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### NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT) \*REQUIRED INFORMATION\*

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Company Ma	Page 34 of 9:

Name Kent (2)

SOLUTIONS	Min in		day of the commental of	Phone No. 515 886 4187
	GENERA	ATOR	NO.	HW-762561
enerator Manifest #	bleform	Location of Origin	oil serie estimateure	Phone Vince Provided
enerator Name X † O		Lease/Well Name & No.	EU D9-3	so ctiBe
ddress	The state of the s	County	Mary at which the water	County Trade In co
ity, State, Zip	The large sea Share	API No Rig Name & No	THE PROPERTY OF THE PARTY OF TH	all a making the
hone No.	Manual N. Stephenson W. A. II.	AFE/PO No.	il resincted und with	maker maker
	e/Service Identification and Amount (pl	ace volume next to waste		
Dil Based Muds Dil Based Cuttings	NON-INJECTABLE WATERS Washout Water (Non-Injectable)		OTHER EXEMPT E&P WA	STE STREAMS
Vater Based Muds Vater Based Cuttings	Completion Fluid/Flow Back (Non-Injectal Produced Water (Non-Injectable)	ble)	Relly	Domac
Produced Formation Solids	Gathering Line Water/Waste (Non-Injecta	able)	hall of hool o back in	THE PARTY OF THE P
&P Contaminated Soil Gas Plant Waste	INTERNAL USE ONLY Truck Washout (exempt waste)	YES NO	TOP SOIL & CALICHE SALE	TOP SOIL CALICHE
WASTE GENERATION PROCESS: DRILLIN		PRODUCTION	The State State of the	RING LINES
	NON-EXEMPT E&P Waste/Servi			
	ste must be analysed and be below threshol	ld limits for toxicity (TCLP), Igr	nitability, Corrosivity adn Rea	
Non-Exempt Other		*piease select fr	rom Non-Exempt Waste Li	IST ON DACK
DISPOSAL QUANTITY	Total Control of the	- LIQUID	Y-YARDS ZO	E - EACH
hereby certify that the above listed material(s), is (are) not ackaged, and is in proper condition for transportation accor-		t 261 or any applicable state I	law. That each waste has be	een properly described, classified and
RCRA EXEMPT: Oil field wastes of per load basis or	generated from oil and gas exploration and	production operation and are	not mixed with non-exempt	waste (R360 Accepts certifications on a
RCRA NON-EXEMPT: Oil field waste w	hich is non-hazardous that does not exceed			
	61.24, or listed hazardous waste as defined zardous is attached. (Check the appropriate		D, as amended. The following	ng documentation demonstrating the
MSDS Information	The second secon	vardous Waste Analysis	Othe	r (Provide Description Below)
	nazardous, non-oilfield waste that has been a description of the waste must accompa		f Public Safety (the order, do	ocumentation of non-hazardous waste
	(10)	COLUMN TO SERVICE OF THE PARTY		
(PRINT) AUTHORIZED AGENTS SIGNATURE	DATE	-	SIGNATURE	
ransporter's	TRANSP	The Print Park Card	10 - 0 - V	Water Branch State
ddress 4210 580	1,00	Driver's Name Print Name	Manuel V	01905
hone No.		Phone No.		entra Casalanya
ransporter Ticket #	State (1)	Truck No.	1-08	Marie and the state of the stat
hereby certify that the above named material(s) was/were	picked up at the Generator's site listed abo	ove and delivered without incl	ident to the disposal facility	listed below.
	RIVER'S SIGNATURE	DELIVERY DATE	- 1	DRIVER'S SIGNATURE
TRUCK TIME STAMP	DISPOSAL	FACILITY		/ING AREA
IN:OUT:		And the plant of	Name/No.	med Kong Constitution of
ite Name/ ermit No. Halfway Facility / NM1-0	06	Phone No. 575-	-392-6368	
ddress 6601 Hobbs Hwy US 62 / 180 Mile	Marker 66 Carlsbad, NM 88220		The Land Library	and earliest represent
NORM READINGS TAKEN? (Circle		If YES, was reading > 50	micro roentgents? (Circle	One) YES NO
PASS THE PAINT FILTER TEST? (Circle	One) YES NO		adays to	man Mileson Die stellt.
Enst	TANK BO	TTOMS		
st Guage Feet	Inches	BS&W/BBLS	3 Received	BS&W (%)
nd Guage eceived	100.1		Free Water	- Landermannett
	THE PERSON NAMED IN COLUMN		al Received	
hereby certify that the above load material has been (circl	e one): ACCEPTED DE	ENIED If denie	ed, why?	Marin of the parties
MANE (ODINE)	DATE	trnc	- Company	SICMATURE

Yellow-TRANSPORTER COPY Pink- GENERATOR SITE COPY Gold-RETURN TO GENERATOR

Released to Imaging: 11/12/2025 3:43:05 PM

# NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Page 35 of 95
Company Man Contact Information

SOLUTIONS			1.130	one (vo.
	GENE	RATOR	NO. HV	V-762542
Generator Manifest #	-05/750	Location of Origin Lease/Well	E an amon departs on although	Provide No. (FA-15)
Generator Name	200 on seway and to 1 tons	Name & No.	300 1	30 CTBL
Address	200041	County	A STATE OF THE PERSON OF THE P	an sound and the
City, State, Zip	South Lots Life State of	Rig Name & No.	month and in minor with objects	no and the second second
Phone No.	NAME OF THE OWNER O	AFE/PO No. —	School Barlandes - II 1585	William Strawfield
	/Service Identification and Amount	(place volume next to waste	NAME AND ADDRESS OF THE OWNER, TH	Charles and the same of the same of
Oil Based Muds Oil Based Cuttings	NON-INJECTABLE WATERS Washout Water (Non-Injectable)		OTHER EXEMPT E&P WASTE	STHEAMS PERMIT
Water Based Muds Water Based Cuttings	Completion Fluid/Flow Back (Non-Injectable)	ctable)	Bally	DOMP5
Produced Formation Solids Tank Bottoms	Gathering Line Water/Waste (Non-Inje	ectable)	TOP SOIL & CALICHE SALES	Service And Distriction of
E&P Contaminated Soil  Gas Plant Waste	Truck Washout (exempt waste)	YES NO	QUANTITY QUANTITY	TOP SOIL CALICHE
WASTE GENERATION PROCESS: DRILLING	G COMPLETION	☐ PRODUCTION	☐ GATHERING	LINES
All non-exempt F&P wast	NON-EXEMPT E&P Waste/Si	ervice Identification and Amoun	t mitability Corrosivity ado Reaction	vitv
Non-Exempt Other	non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity adn Reactivity.  *please select from Non-Exempt Waste List on back			
DISPOSAL QUANTITY	B - BARRELS	L-LIQUID	Y-YARDS 2 0	E-EACH
hereby certify that the above listed material(s), is (are) not backaged, and is in proper condition for transportation according		Part 261 or any applicable state	law. That each waste has been	properly described, classified and
	enerated from oil and gas exploration a	and production operation and are	e not mixed with non-exempt wa	ste (R360 Accepts certifications on a
	y) nich is non-hazardous that does not exc	eed the minimum standards for	waste hazardous by characterist	ics established in RCRA regulations,
	1.24, or listed hazardous waste as definance and a stacked. (Check the appropriate and a stacked).		t D, as amended. The following d	ocumentation demonstrating the
MSDS Information	RCRA H	Hazardous Waste Analysis	Other (Pr	rovide Description Below)
	azardous, non-oilfield waste that has be d a description of the waste must accor		of Public Safety (the order, document	nentation of non-hazardous waste
and andrew . Excepts - Wile time by taken	Whi.	manufic e		All Harmon and American States
(PRINT) AUTHORIZED AGENTS SIGNATURE		DATE	SIGNATURE	And the last transfer of the
Fransporter's	TRANS	PORTER		A CANADA SANCE SAN
Name Address Address	0 160	Driver's Name	Jesus Mix	CIPS
Phone No.	-C (AC	Phone No.	200	mortal backmall +
Fransporter Ticket #	gini	Truck No.	100	Control of the Contro
hereby certify that the above named material(s) was/were	picked up at the Generator's site listed	above and delivered without in	cident to the disposal facility list	ed below.
	IVER'S SIGNATURE	DELIVERY DATE		ER'S SIGNATURE
TRUCK TIME STAMP	DISPOSA	L FACILITY	RECEIVIN	G AREA
IN:OUT:	esol pilor	may most radiovary program.	Name/No	08
Site Name/ Permit No.  Address  Halfway Facility / NM1-00 6601 Hobbs Hwy US 62 / 180 Mile I		Phone No. 575	5-392-6368	and to the
Part of the Part o		If VEC souding . Ef	Laniana sa natamata? (Cirala Da	a) VEC NO
NORM READINGS TAKEN? (Circle ( PASS THE PAINT FILTER TEST? (Circle (	THE RESERVE THE PARTY OF THE PA	If YES, was reading > 50	micro roentgents? (Circle On	e) YES NO
-		OTTOMS	Allege of price of the second	Angle problem of
st Guage Feet	Inches	BS&W/BBI	S Received	BS&W (%)
2nd Guage Received	The same of the sa		Free Water all Received	- Encodesis emples h
hereby certify that the above load material has been (circle	ACCEPTED			
Hereby certify that the above load material has been (circle	one): ACCEPTED	Adu	ied, why?	Manual to the state of the

Yellow-TRANSPORTER COPY

Pink-GENERATOR SITE COPY

Gold- RETURN TO GENERATOR



# APPENDIX E

Laboratory Analytical Reports & Chain of Custody Documentation



April 24, 2025

BEN BELILL

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: BIG EDDY UNIT DI 30 WEST BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 04/22/25 13:53.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2 Haloacetic Acids (HAA-5)
Method EPA 524.2 Total Trihalomethanes (TTHM)
Method EPA 524.4 Regulated VOCs (V1, V2, V3)

Celey D. Keene

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



### Analytical Results For:

ENSOLUM, LLC BEN BELILL 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 04/22/2025 Sampling Date: 04/21/2025

Reported: 04/24/2025 Sampling Type: Soil

Project Name: BIG EDDY UNIT DI 30 WEST BATTERY Sampling Condition: Cool & Intact
Project Number: 03C1558658 Sample Received By: Tamara Oldaker

A ... - b ... - d D. .. 711

Project Location: XTO 32.570270, -103.852058

### Sample ID: SS 01 0.5 (H252395-01)

BTEX 8021B	mg,	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/23/2025	ND	1.99	99.5	2.00	3.04	
Toluene*	<0.050	0.050	04/23/2025	ND	2.03	101	2.00	3.90	
Ethylbenzene*	<0.050	0.050	04/23/2025	ND	1.99	99.4	2.00	4.37	
Total Xylenes*	<0.150	0.150	04/23/2025	ND	5.83	97.2	6.00	4.49	
Total BTEX	<0.300	0.300	04/23/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	04/23/2025	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/23/2025	ND	206	103	200	0.0403	
DRO >C10-C28*	<10.0	10.0	04/23/2025	ND	206	103	200	4.56	
EXT DRO >C28-C36	<10.0	10.0	04/23/2025	ND					
Surrogate: 1-Chlorooctane	84.1	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	79.7	% 40.6-15	3						

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Celey D. Keene



### Analytical Results For:

ENSOLUM, LLC BEN BELILL 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 04/22/2025 Reported:

04/24/2025 Sampling Type: Soil BIG EDDY UNIT DI 30 WEST BATTERY Sampling Condition:

Project Name: Project Number: 03C1558658

Project Location: XTO 32.570270, -103.852058 Sampling Date: 04/21/2025

Sample Received By:

Cool & Intact Tamara Oldaker

### Sample ID: SS 02 0.5 (H252395-02)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/23/2025	ND	1.99	99.5	2.00	3.04	
Toluene*	<0.050	0.050	04/23/2025	ND	2.03	101	2.00	3.90	
Ethylbenzene*	< 0.050	0.050	04/23/2025	ND	1.99	99.4	2.00	4.37	
Total Xylenes*	<0.150	0.150	04/23/2025	ND	5.83	97.2	6.00	4.49	
Total BTEX	<0.300	0.300	04/23/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	04/23/2025	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/23/2025	ND	206	103	200	0.0403	
DRO >C10-C28*	<10.0	10.0	04/23/2025	ND	206	103	200	4.56	
EXT DRO >C28-C36	<10.0	10.0	04/23/2025	ND					
Surrogate: 1-Chlorooctane	82.4	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	77.4	% 40.6-15	3						

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Celey D. Keene



### Analytical Results For:

ENSOLUM, LLC BEN BELILL 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 04/22/2025 Sampling Date: 04/21/2025

Reported: 04/24/2025 Sampling Type: Soil

Project Name: BIG EDDY UNIT DI 30 WEST BATTERY Sampling Condition: Cool & Intact Project Number: 03C1558658 Sample Received By: Tamara Oldaker

Project Location: XTO 32.570270, -103.852058

### Sample ID: SS 03 0.5 (H252395-03)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/23/2025	ND	1.99	99.5	2.00	3.04	
Toluene*	<0.050	0.050	04/23/2025	ND	2.03	101	2.00	3.90	
Ethylbenzene*	<0.050	0.050	04/23/2025	ND	1.99	99.4	2.00	4.37	
Total Xylenes*	<0.150	0.150	04/23/2025	ND	5.83	97.2	6.00	4.49	
Total BTEX	<0.300	0.300	04/23/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	04/23/2025	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/23/2025	ND	206	103	200	0.0403	
DRO >C10-C28*	<10.0	10.0	04/23/2025	ND	206	103	200	4.56	
EXT DRO >C28-C36	<10.0	10.0	04/23/2025	ND					
Surrogate: 1-Chlorooctane	85.5	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	82.6	% 40.6-15	3						

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Celey D. Keene



### Analytical Results For:

ENSOLUM, LLC BEN BELILL 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 04/22/2025 Sampling Date: 04/21/2025

Reported: 04/24/2025 Sampling Type: Soil

Project Name: BIG EDDY UNIT DI 30 WEST BATTERY Sampling Condition: Cool & Intact
Project Number: 03C1558658 Sample Received By: Tamara Oldaker

Project Location: XTO 32.570270, -103.852058

### Sample ID: SS 04 0.5 (H252395-04)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/23/2025	ND	1.99	99.5	2.00	3.04	
Toluene*	<0.050	0.050	04/23/2025	ND	2.03	101	2.00	3.90	
Ethylbenzene*	<0.050	0.050	04/23/2025	ND	1.99	99.4	2.00	4.37	
Total Xylenes*	<0.150	0.150	04/23/2025	ND	5.83	97.2	6.00	4.49	
Total BTEX	<0.300	0.300	04/23/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	04/23/2025	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/23/2025	ND	206	103	200	0.0403	
DRO >C10-C28*	<10.0	10.0	04/23/2025	ND	206	103	200	4.56	
EXT DRO >C28-C36	<10.0	10.0	04/23/2025	ND					
Surrogate: 1-Chlorooctane	74.9	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	69.2	% 40.6-15	3						

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Celey D. Keine



### Analytical Results For:

ENSOLUM, LLC BEN BELILL 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 04/22/2025 Sampling Date: 04/21/2025

Reported: 04/24/2025 Sampling Type: Soil

Project Name: BIG EDDY UNIT DI 30 WEST BATTERY Sampling Condition: Cool & Intact
Project Number: 03C1558658 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: XTO 32.570270, -103.852058

mg/kg

### Sample ID: SS 05 0.5 (H252395-05)

BTEX 8021B

	9/	9	7	,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/23/2025	ND	1.99	99.5	2.00	3.04	
Toluene*	<0.050	0.050	04/23/2025	ND	2.03	101	2.00	3.90	
Ethylbenzene*	<0.050	0.050	04/23/2025	ND	1.99	99.4	2.00	4.37	
Total Xylenes*	<0.150	0.150	04/23/2025	ND	5.83	97.2	6.00	4.49	
Total BTEX	<0.300	0.300	04/23/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.3	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	'kg	Analyze	ed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	04/23/2025	ND	432	108	400	0.00	
TPH 8015M	mg,	'kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/23/2025	ND	206	103	200	0.0403	
DRO >C10-C28*	<10.0	10.0	04/23/2025	ND	206	103	200	4.56	
EXT DRO >C28-C36	<10.0	10.0	04/23/2025	ND					
Surrogate: 1-Chlorooctane	86.5	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	82.1	% 40.6-15	3						

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Celey & Keene



### Analytical Results For:

ENSOLUM, LLC BEN BELILL 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 04/22/2025 Sampling Date: 04/21/2025

Reported: 04/24/2025 Sampling Type: Soil

Project Name: BIG EDDY UNIT DI 30 WEST BATTERY Sampling Condition: Cool & Intact
Project Number: 03C1558658 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: XTO 32.570270, -103.852058

ma/ka

### Sample ID: SS 06 0.5 (H252395-06)

RTFY 8021R

B1EX 8021B	mg/	кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/23/2025	ND	1.99	99.5	2.00	3.04	
Toluene*	<0.050	0.050	04/23/2025	ND	2.03	101	2.00	3.90	
Ethylbenzene*	<0.050	0.050	04/23/2025	ND	1.99	99.4	2.00	4.37	
Total Xylenes*	<0.150	0.150	04/23/2025	ND	5.83	97.2	6.00	4.49	
Total BTEX	<0.300	0.300	04/23/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	04/23/2025	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/23/2025	ND	206	103	200	0.0403	
DRO >C10-C28*	<10.0	10.0	04/23/2025	ND	206	103	200	4.56	
EXT DRO >C28-C36	<10.0	10.0	04/23/2025	ND					
Surrogate: 1-Chlorooctane	84.5	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	80.3	% 40.6-15	3						

## Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keine



### Analytical Results For:

ENSOLUM, LLC BEN BELILL 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 04/22/2025 Sampling Date: 04/21/2025

Reported: 04/24/2025 Sampling Type: Soil

Project Name: BIG EDDY UNIT DI 30 WEST BATTERY Sampling Condition: Cool & Intact Project Number: 03C1558658 Sample Received By: Tamara Oldaker

Project Location: XTO 32.570270, -103.852058

### Sample ID: SS 07 0.5 (H252395-07)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/23/2025	ND	1.99	99.5	2.00	3.04	
Toluene*	<0.050	0.050	04/23/2025	ND	2.03	101	2.00	3.90	
Ethylbenzene*	<0.050	0.050	04/23/2025	ND	1.99	99.4	2.00	4.37	
Total Xylenes*	<0.150	0.150	04/23/2025	ND	5.83	97.2	6.00	4.49	
Total BTEX	<0.300	0.300	04/23/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	04/23/2025	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/23/2025	ND	206	103	200	0.0403	
DRO >C10-C28*	<10.0	10.0	04/23/2025	ND	206	103	200	4.56	
EXT DRO >C28-C36	<10.0	10.0	04/23/2025	ND					
Surrogate: 1-Chlorooctane	84.1	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	77.4	% 40.6-15	3						

### Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



### **Notes and Definitions**

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

\*\* Samples not received at proper temperature of 6°C or below.

\*\*\* Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keine

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



(575) 393-2326	575) 393-2326 FAX (575) 393-2476	200		ANALYSIS REQUEST
Company Name: Ensolum, LLC		BILL 10		
Project Manager: Ren Be	THE STATE OF THE S	P.O. #:		
Address: 601 N Marienfeld Street, Suite 400	Suite 400	Company: XTO Energy, Inc	nc	
City: Midland	State: TX Zip: 79701	Attn: Colton Brown		
Phone #: (989) 854-0852	Fax#:	Address: 3104 E Greene St	St	
Project #: 03 01.55% 658	Project Owner: XTO Energy	City: Carlsbad		
Project Name: Blo Eddy		State: NM Zip: 88220		
Project Location: 32 . 5 70 2	70 103. 852058	Phone #:		
Sampler Name: Trevor Wo	000	1		
	MATRIX	PRESERV. SAMPLING	NG	
Lab I.D. Sample I.D.	(G)RAB OR (C)OMI # CONTAINERS GROUNDWATER WASTEWATER SQIL OIL	SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER:  DATE	TPH 8015  BTEX 8021  Chloride 4500	
2 5502			8.50 V V	
HOSS 4		9 0	202	
2005			1.57	
£050 \$	<	4	Y W TES	
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive rem analyses. All claims including those for negligence and any other cause whatsoever service. In no event shall Cardinal be liable for incidental or consequental damages.	edy for any claim shall be deemed including without	arising whether based in contract or fort, shall be limited to the amount paid by the client for the washed unless made in writing and received by Cardinal within 30 days after completion of the limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries,	y the client for the mplicable mpletion of the applicable (L. its subsidiaries, and otherwise).	
affiliates or successors arising out of or reliated to the petro.  Relinquished By:	Date:   1/2.1/25   Received By:   Time:		ult: ☐ Yes are emailed. olum.com, Th	es ☐ No [Add'i Phone #:  B. Please provide Email address:  TMorrissey@ensolum.com  KThomason@ensolum.com
Relinquished By:	Date 2 2 Received By:	Set Miller Will		F2510632 038
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Corrected Temp. C 24 Cool intact	CHECKED BY: (Initials)	Turnaround Time: Standard Rush Thermometer ID #13 #145	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C   Yes Yes Orrected Temp. °C
Control of the contro	0.	1 4	Carrection Factor Civil	



April 24, 2025

BEN BELILL

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: BIG EDDY UNIT DI 30 WEST BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 04/22/25 13:53.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2 Haloacetic Acids (HAA-5)
Method EPA 524.2 Total Trihalomethanes (TTHM)
Method EPA 524.4 Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celey D. Keene

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



### Analytical Results For:

ENSOLUM, LLC BEN BELILL 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 04/22/2025 Sampling Date: 04/21/2025

Reported: 04/24/2025 Sampling Type: Soil

Project Name: BIG EDDY UNIT DI 30 WEST BATTERY Sampling Condition: Cool & Intact
Project Number: 03C1558658 Sample Received By: Tamara Oldaker

Applyand By 14

Project Location: XTO 32.570270, -103.852058

### Sample ID: SS 08 0.5' (H252396-01)

DTEV 0021D

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/23/2025	ND	1.99	99.5	2.00	3.04	
Toluene*	<0.050	0.050	04/23/2025	ND	2.03	101	2.00	3.90	
Ethylbenzene*	<0.050	0.050	04/23/2025	ND	1.99	99.4	2.00	4.37	
Total Xylenes*	<0.150	0.150	04/23/2025	ND	5.83	97.2	6.00	4.49	
Total BTEX	<0.300	0.300	04/23/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 %	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	12400	16.0	04/23/2025	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/23/2025	ND	206	103	200	0.0403	
DRO >C10-C28*	<10.0	10.0	04/23/2025	ND	206	103	200	4.56	
EXT DRO >C28-C36	<10.0	10.0	04/23/2025	ND					
Surrogate: 1-Chlorooctane	95.7 9	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	93.79	% 40.6-15	3						

# Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keine



### Analytical Results For:

ENSOLUM, LLC BEN BELILL 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 04/22/2025 Sampling Date: 04/21/2025

Reported: 04/24/2025 Sampling Type: Soil

Project Name: BIG EDDY UNIT DI 30 WEST BATTERY Sampling Condition: Cool & Intact
Project Number: 03C1558658 Sample Received By: Tamara Oldaker

Analyzed By: 14

Project Location: XTO 32.570270, -103.852058

ma/ka

### Sample ID: SS 09 0.5' (H252396-02)

RTFY 8021R

BIEX 8021B	mg	/ <b>kg</b>	Anaiyze	а ву: ЈН					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/23/2025	ND	1.99	99.5	2.00	3.04	
Toluene*	<0.050	0.050	04/23/2025	ND	2.03	101	2.00	3.90	
Ethylbenzene*	<0.050	0.050	04/23/2025	ND	1.99	99.4	2.00	4.37	
Total Xylenes*	<0.150	0.150	04/23/2025	ND	5.83	97.2	6.00	4.49	
Total BTEX	<0.300	0.300	04/23/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.1	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8400	16.0	04/23/2025	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/23/2025	ND	206	103	200	0.0403	
DRO >C10-C28*	<10.0	10.0	04/23/2025	ND	206	103	200	4.56	
EXT DRO >C28-C36	<10.0	10.0	04/23/2025	ND					
Surrogate: 1-Chlorooctane	94.1	% 44.4-14	15						
Surrogate: 1-Chlorooctadecane	90.7	% 40.6-15	3						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



### Analytical Results For:

ENSOLUM, LLC BEN BELILL 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 04/22/2025 Sampling Date: 04/21/2025

Reported: 04/24/2025 Sampling Type: Soil

Project Name: BIG EDDY UNIT DI 30 WEST BATTERY Sampling Condition: Cool & Intact
Project Number: 03C1558658 Sample Received By: Tamara Oldaker

Analyzed By: 14

Project Location: XTO 32.570270, -103.852058

ma/ka

### Sample ID: SS 10 0.5' (H252396-03)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/23/2025	ND	1.99	99.5	2.00	3.04	
Toluene*	<0.050	0.050	04/23/2025	ND	2.03	101	2.00	3.90	
Ethylbenzene*	<0.050	0.050	04/23/2025	ND	1.99	99.4	2.00	4.37	
Total Xylenes*	<0.150	0.150	04/23/2025	ND	5.83	97.2	6.00	4.49	
Total BTEX	<0.300	0.300	04/23/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7060	16.0	04/23/2025	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/23/2025	ND	206	103	200	0.0403	
DRO >C10-C28*	<10.0	10.0	04/23/2025	ND	206	103	200	4.56	
EXT DRO >C28-C36	<10.0	10.0	04/23/2025	ND					
Surrogate: 1-Chlorooctane	94.0	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	90.0	% 40.6-15	3						

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Celey D. Keene



### Analytical Results For:

ENSOLUM, LLC BEN BELILL 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 04/22/2025 Sampling Date: 04/21/2025

Reported: 04/24/2025 Sampling Type: Soil

Project Name: BIG EDDY UNIT DI 30 WEST BATTERY Sampling Condition: Cool & Intact
Project Number: 03C1558658 Sample Received By: Tamara Oldaker

Analyzed By: 14

Project Location: XTO 32.570270, -103.852058

ma/ka

### Sample ID: SS 11 0.5' (H252396-04)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/23/2025	ND	2.27	113	2.00	6.75	
Toluene*	<0.050	0.050	04/23/2025	ND	2.15	108	2.00	6.36	
Ethylbenzene*	<0.050	0.050	04/23/2025	ND	2.17	108	2.00	7.43	
Total Xylenes*	<0.150	0.150	04/23/2025	ND	6.74	112	6.00	8.29	
Total BTEX	<0.300	0.300	04/23/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	11900	16.0	04/23/2025	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/23/2025	ND	232	116	200	7.33	
DRO >C10-C28*	<10.0	10.0	04/23/2025	ND	223	111	200	9.21	
EXT DRO >C28-C36	<10.0	10.0	04/23/2025	ND					
Surrogate: 1-Chlorooctane	80.6	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	73.0	% 40.6-15	3						

## Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



### **Notes and Definitions**

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

\*\* Samples not received at proper temperature of 6°C or below.

\*\*\* Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keine

Sampler - UPS - Bus - Other:

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



(5/5) 393-2326 F	(5/5) 393-2326 FAX (5/5) 393-24/6			
Company Name: Ensolum, LLC		BILL TO	ANALYSIS RE	REQUEST
Project Manager: Ben Belill		P.O. #:		
Address: 601 N Marienfeld Street, Suite 400	lite 400	Company: XTO Energy, Inc.	, Inc	
City: Midland	State: TX Zip: 79701	Attn: Colton Brown		
Phone #: (489) 854-085	2 Fax#:	Address: 3104 E Greene	ne St	
Project #: 03 C 1558658	Project Owner: XTO Energy	City: Carlsbad		
Project Name: Bio Eddy Unit	OT 30 West Battery-SPILLS	State: NM Zip: 88220	20	
Project Location: 32 570	270-103.852058	Phone #:		
Sampler Name: Trevor W	aran	Fax #:		
FOR LAB USE ONLY	MATRIX	PRESERV. SAMI	SAMPLING	
Lab I.D. Sample I.D.	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE / COOL OTHER:	TPH 8015  BTEX 8021  Chloride 4500	
2 5508	+>	V 4/248	10:20 V V V	
1555	<	<del>-</del>	10:26	
	4			
PLEASE NOTE: Lability and Damages. Cardinal's liability and clamages, Cardinal's liability and clamages, All claims including those for negligence and any other service, in no event shall Cardinal be liable for incidental or conservice, in no event shall Cardinal be liable for incidental or conservice.	PLEASE NOTE: Lability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsower shall be determed watered unless made in witing and sectived by Cardinal wittin 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including whole limitation, business interruptions, loss of use, or loss of profits incrured by distollatines, and the shall be applicable to incidental or consequential damages, including whole limitation, business interruptions, loss of use, or loss of profits incrured by distollatines, and the shall be applicable to incidental or consequential damages, including whole whether such damages interruptions, loss of use, or loss of profits incrured by distollatines, and the shall be applicable to incidental or consequential damages, including whole whether such damages interruptions, loss of use, or loss of profits incrured by distollations.	arking whether based in contract or tort, shall be limited to the amount pail waked unless made in witting and received by Cardinal within 30 days afta initiation, business descriptions, loss of use, or loss of profits invented by or repardiess of whether search claims based upon any of the above stated in the cardinal state.	by the client for the completion of the applicable end, its substitutions of the applicable end, its substitutions, complete applicable sports or otherwise.	
hedi	Pate: 1/25 Received By:		Verbal Result:	
Relinquished By:	Pate 32 3 Received By:	Mark Me	REMARKS: Incident Number: NAPP 2510532088 Cost Center: GFCM: 48605000	2038
Delivered By: (Circle One)	Sample Condition	tion CHECKED BY:	Turnaround Time: Standard  Bacteria (only	Bacteria (only) Sample Condition

Cool Intact

Observed Temp. °C Corrected Temp. °C



May 08, 2025

BEN BELILL

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: BIG EDDY UNIT DI 30 WEST BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 05/06/25 14:03.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2 Haloacetic Acids (HAA-5)
Method EPA 524.2 Total Trihalomethanes (TTHM)
Method EPA 524.4 Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celey D. Keene

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



### Analytical Results For:

ENSOLUM, LLC BEN BELILL 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 05/06/2025 Sampling Date: 05/05/2025

Reported: 05/08/2025 Sampling Type: Soil

Project Name: BIG EDDY UNIT DI 30 WEST BATTERY Sampling Condition: Cool & Intact Project Number: 03C1558658 Sample Received By: Tamara Oldaker

Project Location: XTO 32.570270, -103.852058

### Sample ID: SS 08A 1' (H252687-01)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/06/2025	ND	2.05	103	2.00	1.42	
Toluene*	<0.050	0.050	05/06/2025	ND	2.01	101	2.00	1.10	
Ethylbenzene*	<0.050	0.050	05/06/2025	ND	1.97	98.7	2.00	1.22	
Total Xylenes*	<0.150	0.150	05/06/2025	ND	6.13	102	6.00	1.87	
Total BTEX	<0.300	0.300	05/06/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10000	16.0	05/07/2025	ND	448	112	400	7.41	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	182	91.2	200	6.27	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	178	88.8	200	5.51	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					
Surrogate: 1-Chlorooctane	88.8	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	90.1	% 40.6-15	3						

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Celey D. Keene



### Analytical Results For:

ENSOLUM, LLC BEN BELILL 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 05/06/2025 Sampling Date: 05/05/2025

Reported: 05/08/2025 Sampling Type: Soil

Project Name: BIG EDDY UNIT DI 30 WEST BATTERY Sampling Condition: Cool & Intact
Project Number: 03C1558658 Sample Received By: Tamara Oldaker

Project Location: XTO 32.570270, -103.852058

### Sample ID: SS 08B 3' (H252687-02)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/06/2025	ND	2.05	103	2.00	1.42	
Toluene*	<0.050	0.050	05/06/2025	ND	2.01	101	2.00	1.10	
Ethylbenzene*	<0.050	0.050	05/06/2025	ND	1.97	98.7	2.00	1.22	
Total Xylenes*	<0.150	0.150	05/06/2025	ND	6.13	102	6.00	1.87	
Total BTEX	<0.300	0.300	05/06/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	05/07/2025	ND	448	112	400	7.41	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	182	91.2	200	6.27	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	178	88.8	200	5.51	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					
Surrogate: 1-Chlorooctane	108	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	112	% 40.6-15	3						

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Celey D. Keine



### Analytical Results For:

ENSOLUM, LLC BEN BELILL 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 05/06/2025 Sampling Date: 05/05/2025

Reported: 05/08/2025 Sampling Type: Soil

Project Name: BIG EDDY UNIT DI 30 WEST BATTERY Sampling Condition: Cool & Intact
Project Number: 03C1558658 Sample Received By: Tamara Oldaker

Project Location: XTO 32.570270, -103.852058

### Sample ID: SS 10A 1' (H252687-03)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/06/2025	ND	2.05	103	2.00	1.42	
Toluene*	<0.050	0.050	05/06/2025	ND	2.01	101	2.00	1.10	
Ethylbenzene*	<0.050	0.050	05/06/2025	ND	1.97	98.7	2.00	1.22	
Total Xylenes*	<0.150	0.150	05/06/2025	ND	6.13	102	6.00	1.87	
Total BTEX	<0.300	0.300	05/06/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	05/07/2025	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	182	91.2	200	6.27	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	178	88.8	200	5.51	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					
Surrogate: 1-Chlorooctane	102	% 44.4-14	15						
Surrogate: 1-Chlorooctadecane	104	% 40.6-15	3						

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Celey D. Keene



### Analytical Results For:

ENSOLUM, LLC BEN BELILL 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 05/06/2025 Sampling Date: 05/05/2025

Reported: 05/08/2025 Sampling Type: Soil

Project Name: BIG EDDY UNIT DI 30 WEST BATTERY Sampling Condition: Cool & Intact
Project Number: 03C1558658 Sample Received By: Tamara Oldaker

Analyzed By: 14

Project Location: XTO 32.570270, -103.852058

ma/ka

### Sample ID: PH 01 0.5' (H252687-04)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/06/2025	ND	2.05	103	2.00	1.42	
Toluene*	<0.050	0.050	05/06/2025	ND	2.01	101	2.00	1.10	
Ethylbenzene*	<0.050	0.050	05/06/2025	ND	1.97	98.7	2.00	1.22	
Total Xylenes*	<0.150	0.150	05/06/2025	ND	6.13	102	6.00	1.87	
Total BTEX	<0.300	0.300	05/06/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	05/07/2025	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	182	91.2	200	6.27	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	178	88.8	200	5.51	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					
Surrogate: 1-Chlorooctane	92.0	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	93.1	% 40.6-15	3						

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Celey & Keene



### Analytical Results For:

ENSOLUM, LLC BEN BELILL 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 05/06/2025 Sampling Date: 05/05/2025

Reported: 05/08/2025 Sampling Type: Soil

Project Name: BIG EDDY UNIT DI 30 WEST BATTERY Sampling Condition: Cool & Intact Project Number: 03C1558658 Sample Received By: Tamara Oldaker

Project Location: XTO 32.570270, -103.852058

### Sample ID: PH 01A 1' (H252687-05)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/06/2025	ND	2.05	103	2.00	1.42	
Toluene*	<0.050	0.050	05/06/2025	ND	2.01	101	2.00	1.10	
Ethylbenzene*	<0.050	0.050	05/06/2025	ND	1.97	98.7	2.00	1.22	
Total Xylenes*	<0.150	0.150	05/06/2025	ND	6.13	102	6.00	1.87	
Total BTEX	<0.300	0.300	05/06/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	109 5	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	05/07/2025	ND	400	100	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	182	91.2	200	6.27	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	178	88.8	200	5.51	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					
Surrogate: 1-Chlorooctane	96.7	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	98.3	% 40.6-15	3						

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Celey D. Keene

A-01



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

### **Notes and Definitions**

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

\*\* Samples not received at proper temperature of 6°C or below.

\*\*\* Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

ECCV failed high biased. AllI samples below reporting limit

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Corrects	GROUNDWATER  WASTEWATER  SOIL  OIL	DINAL ) ratories ) ratories ) ratories ) ratories ) ratories ) ratories ) ratories
checked by:  (Initials)  CHECKED BY:  (Initials)  CHECKED BY:  (Initials)  CHECKED BY:  (Initials)  Charrest  (Correst	SLUDGE OTHER: ACID/BASE: PRESERV SAMPLING PRESERV SAMPLIN	BILL TO
Turnaround Time:  Turnaround T	CHLORIDE	ANALYSIS REQUEST



May 14, 2025

BEN BELILL

**ENSOLUM** 

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: BIG EDDY UNIT DI 30 WEST BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 05/13/25 13:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2 Haloacetic Acids (HAA-5)
Method EPA 524.2 Total Trihalomethanes (TTHM)
Method EPA 524.4 Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celey D. Keine

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



### Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 05/13/2025 Sampling Date: 05/08/2025

Reported: 05/14/2025 Sampling Type: Soil

Project Name: BIG EDDY UNIT DI 30 WEST BATTERY Sampling Condition: Cool & Intact
Project Number: 03C1558598 Sample Received By: Alyssa Parras

A ... - b ... - d D. .. 711

Project Location: XTO

### Sample ID: FS 01 3 (H252835-01)

TEX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/13/2025	ND	1.75	87.4	2.00	5.30	
Toluene*	<0.050	0.050	05/13/2025	ND	2.02	101	2.00	3.71	
Ethylbenzene*	<0.050	0.050	05/13/2025	ND	2.15	108	2.00	3.23	
Total Xylenes*	<0.150	0.150	05/13/2025	ND	6.47	108	6.00	3.41	
Total BTEX	<0.300	0.300	05/13/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	05/14/2025	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2025	ND	214	107	200	0.326	
DRO >C10-C28*	<10.0	10.0	05/13/2025	ND	202	101	200	0.605	
EXT DRO >C28-C36	<10.0	10.0	05/13/2025	ND					
Surrogate: 1-Chlorooctane	100	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	98.2	% 40.6-15	3						

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Celey D. Keene



### Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 05/13/2025 Sampling Date: 05/08/2025

Reported: 05/14/2025 Sampling Type: Soil

Project Name: BIG EDDY UNIT DI 30 WEST BATTERY Sampling Condition: Cool & Intact
Project Number: 03C1558598 Sample Received By: Alyssa Parras

Project Location: XTO

### Sample ID: FS 02 2 (H252835-02)

BTEX 8021B	mg/kg		Analyze	Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/13/2025	ND	1.75	87.4	2.00	5.30	
Toluene*	<0.050	0.050	05/13/2025	ND	2.02	101	2.00	3.71	
Ethylbenzene*	<0.050	0.050	05/13/2025	ND	2.15	108	2.00	3.23	
Total Xylenes*	<0.150	0.150	05/13/2025	ND	6.47	108	6.00	3.41	
Total BTEX	<0.300	0.300	05/13/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	05/14/2025	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2025	ND	214	107	200	0.326	
DRO >C10-C28*	<10.0	10.0	05/13/2025	ND	202	101	200	0.605	
EXT DRO >C28-C36	<10.0	10.0	05/13/2025	ND					
Surrogate: 1-Chlorooctane	98.6	% 44.4-14	15						
Surrogate: 1-Chlorooctadecane	94.4	% 40.6-15	3						

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Celey D. Keene



### Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 05/13/2025 Sampling Date: 05/08/2025

Reported: 05/14/2025 Sampling Type: Soil

Project Name: BIG EDDY UNIT DI 30 WEST BATTERY Sampling Condition: Cool & Intact
Project Number: 03C1558598 Sample Received By: Alyssa Parras

Applyzod By: 14

Project Location: XTO

ma/ka

### Sample ID: FS 03 2 (H252835-03)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/13/2025	ND	1.75	87.4	2.00	5.30	
Toluene*	<0.050	0.050	05/13/2025	ND	2.02	101	2.00	3.71	
Ethylbenzene*	<0.050	0.050	05/13/2025	ND	2.15	108	2.00	3.23	
Total Xylenes*	<0.150	0.150	05/13/2025	ND	6.47	108	6.00	3.41	
Total BTEX	<0.300	0.300	05/13/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	05/14/2025	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2025	ND	214	107	200	0.326	
DRO >C10-C28*	<10.0	10.0	05/13/2025	ND	202	101	200	0.605	
EXT DRO >C28-C36	<10.0	10.0	05/13/2025	ND					
Surrogate: 1-Chlorooctane	98.2	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	94.6	% 40.6-15	3						

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Celey D. Keene



### Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 05/13/2025 Sampling Date: 05/08/2025

Reported: 05/14/2025 Sampling Type: Soil

Project Name: BIG EDDY UNIT DI 30 WEST BATTERY Sampling Condition: Cool & Intact
Project Number: 03C1558598 Sample Received By: Alyssa Parras

Project Location: XTO

### Sample ID: FS 04 2 (H252835-04)

BTEX 8021B	mg/kg		Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/13/2025	ND	1.75	87.4	2.00	5.30	
Toluene*	<0.050	0.050	05/13/2025	ND	2.02	101	2.00	3.71	
Ethylbenzene*	<0.050	0.050	05/13/2025	ND	2.15	108	2.00	3.23	
Total Xylenes*	<0.150	0.150	05/13/2025	ND	6.47	108	6.00	3.41	
Total BTEX	<0.300	0.300	05/13/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	05/14/2025	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2025	ND	214	107	200	0.326	
DRO >C10-C28*	<10.0	10.0	05/13/2025	ND	202	101	200	0.605	
EXT DRO >C28-C36	<10.0	10.0	05/13/2025	ND					
Surrogate: 1-Chlorooctane	102	% 44.4-14	15						
Surrogate: 1-Chlorooctadecane	98.5	% 40.6-15	3						

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Celey D. Kune



## Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 05/13/2025 Sampling Date: 05/08/2025

Reported: 05/14/2025 Sampling Type: Soil

Project Name: BIG EDDY UNIT DI 30 WEST BATTERY Sampling Condition: Cool & Intact
Project Number: 03C1558598 Sample Received By: Alyssa Parras

Analyzed By: JH

Project Location: XTO

mg/kg

### Sample ID: SW 01 0-3 (H252835-05)

BTEX 8021B

DILX GOZID	mg/kg		Allulyzo	Analyzed by: 311					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/13/2025	ND	1.75	87.4	2.00	5.30	
Toluene*	<0.050	0.050	05/13/2025	ND	2.02	101	2.00	3.71	
Ethylbenzene*	<0.050	0.050	05/13/2025	ND	2.15	108	2.00	3.23	
Total Xylenes*	<0.150	0.150	05/13/2025	ND	6.47	108	6.00	3.41	
Total BTEX	<0.300	0.300	05/13/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	05/14/2025	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2025	ND	214	107	200	0.326	
DRO >C10-C28*	<10.0	10.0	05/13/2025	ND	202	101	200	0.605	
EXT DRO >C28-C36	<10.0	10.0	05/13/2025	ND					
Surrogate: 1-Chlorooctane	100	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	95.2	% 40.6-15	3						

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Celey & Keene



### Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 05/13/2025 Sampling Date: 05/08/2025

Reported: 05/14/2025 Sampling Type: Soil

Project Name: BIG EDDY UNIT DI 30 WEST BATTERY Sampling Condition: Cool & Intact
Project Number: 03C1558598 Sample Received By: Alyssa Parras

Applyzod By: 14

Project Location: XTO

### Sample ID: SW 02 0-2 (H252835-06)

RTFY 8021R

BIEX 8021B	mg	/ <b>kg</b>	Anaiyze	а ву: ЈН					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/13/2025	ND	1.75	87.4	2.00	5.30	
Toluene*	<0.050	0.050	05/13/2025	ND	2.02	101	2.00	3.71	
Ethylbenzene*	<0.050	0.050	05/13/2025	ND	2.15	108	2.00	3.23	
Total Xylenes*	<0.150	0.150	05/13/2025	ND	6.47	108	6.00	3.41	
Total BTEX	<0.300	0.300	05/13/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	05/14/2025	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2025	ND	214	107	200	0.326	
DRO >C10-C28*	<10.0	10.0	05/13/2025	ND	202	101	200	0.605	
EXT DRO >C28-C36	<10.0	10.0	05/13/2025	ND					
Surrogate: 1-Chlorooctane	101	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	95.1	% 40.6-15	3						

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Celey D. Keene



### Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 05/13/2025 Sampling Date: 05/08/2025

Reported: 05/14/2025 Sampling Type: Soil

Project Name: BIG EDDY UNIT DI 30 WEST BATTERY Sampling Condition: Cool & Intact
Project Number: 03C1558598 Sample Received By: Alyssa Parras

Applyzod By: 14

Project Location: XTO

### Sample ID: PH 02 0.5 (H252835-07)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/13/2025	ND	1.75	87.4	2.00	5.30	
Toluene*	<0.050	0.050	05/13/2025	ND	2.02	101	2.00	3.71	
Ethylbenzene*	<0.050	0.050	05/13/2025	ND	2.15	108	2.00	3.23	
Total Xylenes*	<0.150	0.150	05/13/2025	ND	6.47	108	6.00	3.41	
Total BTEX	<0.300	0.300	05/13/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8880	16.0	05/14/2025	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2025	ND	214	107	200	0.326	
DRO >C10-C28*	<10.0	10.0	05/13/2025	ND	202	101	200	0.605	
EXT DRO >C28-C36	<10.0	10.0	05/13/2025	ND					
Surrogate: 1-Chlorooctane	99.7	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	96.8	% 40.6-15	3						

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## Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 05/13/2025 Sampling Date: 05/08/2025

Reported: 05/14/2025 Sampling Type: Soil

Project Name: BIG EDDY UNIT DI 30 WEST BATTERY Sampling Condition: Cool & Intact
Project Number: 03C1558598 Sample Received By: Alyssa Parras

Applyzod By: 14

Project Location: XTO

ma/ka

### Sample ID: PH 02A 2 (H252835-08)

RTFY 8021R

Result <0.050 <0.050 <0.050 <0.150	0.050 0.050 0.050	Analyzed 05/13/2025 05/13/2025	Method Blank ND ND	BS 1.75 2.02	% Recovery 87.4	True Value QC 2.00	RPD 5.30	Qualifier
<0.050 <0.050	0.050	05/13/2025				2.00	5.30	
<0.050			ND	2.02				
	0.050	05/12/2025		2.02	101	2.00	3.71	
<0.150		05/13/2025	ND	2.15	108	2.00	3.23	
	0.150	05/13/2025	ND	6.47	108	6.00	3.41	
<0.300	0.300	05/13/2025	ND					
101	% 71.5-13	4						
mg,	/kg	Analyze	Analyzed By: KH					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
144	16.0	05/14/2025	ND	416	104	400	3.77	
mg,	/kg	Analyze	d By: MS					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	05/13/2025	ND	214	107	200	0.326	
<10.0	10.0	05/13/2025	ND	202	101	200	0.605	
<10.0	10.0	05/13/2025	ND					
98.9	% 44.4-14	5						
95.8	% 40.6-15	3						
	<0.300  101 s  mg/ Result  144  mg/ Result  <10.0  <10.0  98.9	<0.300 101 % 71.5-13. mg/ky Result Reporting Limit 144 16.0 mg/ky Result Reporting Limit <10.0 10.0 <10.0 10.0 <10.0 10.0 <10.0 10.0  <10.0 10.0	<0.300       0.300       05/13/2025         101 % 71.5-134         mg/ky       Analyzed         Result Reporting Limit Analyzed         Analyzed         <10.0	<0.300       05/13/2025       ND         101 % 71.5-134         Try	<0.300       05/13/2025       ND         101 % 71.5-134         mg/ky       Analyzed By: KH         Result Reporting Limit Analyzed By: MS         Result Reporting Limit Analyzed Method Blank BS         <10.0	< 0.300       05/13/2025       ND         101 % 71.5-134         mg/ky       Analyzed By: KH         Result Reporting Limit Analyzed By: MS       % Recovery         Result Reporting Limit Analyzed Method Blank BS % Recovery         <10.0	< 0.300       05/13/2025       ND         101 % 71.5-134         mg/ky       Analyzed By: KH         Result Reporting Limit Analyzed By: MS       % Recovery True Value QC         Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC         <10.0	< 0.300       05/13/2025       ND         101 ⅓ 71.5-134         Trus Value QC       RPD         Mesult       Result plant       Analyzed by: KH         True Value QC       RPD         144       16.0       05/14/2025       ND       416       104       400       3.77         Mesult       Result plant       Analyzed by: MS         Result plant       Analyzed by: MS       BS       % Recovery plant       True Value QC       RPD         <10.0

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### Analytical Results For:

**ENSOLUM BEN BELILL** 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 05/13/2025 Sampling Date: 05/08/2025

Reported: 05/14/2025 Sampling Type: Soil

Project Name: BIG EDDY UNIT DI 30 WEST BATTERY Sampling Condition: Cool & Intact Project Number: 03C1558598 Sample Received By: Alyssa Parras

Project Location: XTO

### Sample ID: FS 05 0.5 (H252835-09)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/13/2025	ND	1.75	87.4	2.00	5.30	
Toluene*	<0.050	0.050	05/13/2025	ND	2.02	101	2.00	3.71	
Ethylbenzene*	<0.050	0.050	05/13/2025	ND	2.15	108	2.00	3.23	
Total Xylenes*	<0.150	0.150	05/13/2025	ND	6.47	108	6.00	3.41	
Total BTEX	<0.300	0.300	05/13/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	05/14/2025	ND	448	112	400	0.00	
TPH 8015M	mg/	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2025	ND	214	107	200	0.326	
DRO >C10-C28*	<10.0	10.0	05/13/2025	ND	202	101	200	0.605	
EXT DRO >C28-C36	<10.0	10.0	05/13/2025	ND					
Surrogate: 1-Chlorooctane	101 9	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	96.7	% 40.6-15	3						

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### Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 05/13/2025 Sampling Date: 05/08/2025

Reported: 05/14/2025 Sampling Type: Soil

Project Name: BIG EDDY UNIT DI 30 WEST BATTERY Sampling Condition: Cool & Intact
Project Number: 03C1558598 Sample Received By: Alyssa Parras

Project Location: XTO

### Sample ID: FS 06 1 (H252835-10)

BTEX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/13/2025	ND	1.75	87.4	2.00	5.30	
Toluene*	<0.050	0.050	05/13/2025	ND	2.02	101	2.00	3.71	
Ethylbenzene*	<0.050	0.050	05/13/2025	ND	2.15	108	2.00	3.23	
Total Xylenes*	<0.150	0.150	05/13/2025	ND	6.47	108	6.00	3.41	
Total BTEX	<0.300	0.300	05/13/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	05/14/2025	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2025	ND	214	107	200	0.326	
DRO >C10-C28*	<10.0	10.0	05/13/2025	ND	202	101	200	0.605	
EXT DRO >C28-C36	<10.0	10.0	05/13/2025	ND					
Surrogate: 1-Chlorooctane	100	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	94.9	% 40.6-15	3						

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Celey D. Keene



### Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 05/13/2025 Sampling Date: 05/09/2025

Reported: 05/14/2025 Sampling Type: Soil

Project Name: BIG EDDY UNIT DI 30 WEST BATTERY Sampling Condition: Cool & Intact
Project Number: 03C1558598 Sample Received By: Alyssa Parras

Project Location: XTO

### Sample ID: FS 07 1 (H252835-11)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/13/2025	ND	1.75	87.4	2.00	5.30	
Toluene*	<0.050	0.050	05/13/2025	ND	2.02	101	2.00	3.71	
Ethylbenzene*	<0.050	0.050	05/13/2025	ND	2.15	108	2.00	3.23	
Total Xylenes*	<0.150	0.150	05/13/2025	ND	6.47	108	6.00	3.41	
Total BTEX	<0.300	0.300	05/13/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	05/14/2025	ND	448	112	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2025	ND	214	107	200	0.326	
DRO >C10-C28*	<10.0	10.0	05/13/2025	ND	202	101	200	0.605	
EXT DRO >C28-C36	<10.0	10.0	05/13/2025	ND					
Surrogate: 1-Chlorooctane	99.9	% 44.4-14	75						
Surrogate: 1-Chlorooctadecane	96.4	% 40.6-15	3						

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### Analytical Results For:

**ENSOLUM BEN BELILL** 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 05/13/2025 Sampling Date: 05/09/2025

Reported: 05/14/2025 Sampling Type: Soil

Project Name: BIG EDDY UNIT DI 30 WEST BATTERY Sampling Condition: Cool & Intact Sample Received By: Project Number: 03C1558598 Alyssa Parras

Project Location: XTO

### Sample ID: FS 08 1 (H252835-12)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/13/2025	ND	1.75	87.4	2.00	5.30	
Toluene*	<0.050	0.050	05/13/2025	ND	2.02	101	2.00	3.71	
Ethylbenzene*	<0.050	0.050	05/13/2025	ND	2.15	108	2.00	3.23	
Total Xylenes*	<0.150	0.150	05/13/2025	ND	6.47	108	6.00	3.41	
Total BTEX	<0.300	0.300	05/13/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	05/14/2025	ND	448	112	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/14/2025	ND	214	107	200	0.326	
DRO >C10-C28*	<10.0	10.0	05/14/2025	ND	202	101	200	0.605	
EXT DRO >C28-C36	<10.0	10.0	05/14/2025	ND					
Surrogate: 1-Chlorooctane	94.5	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	90.7	% 40.6-15	3						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keine



### Analytical Results For:

**ENSOLUM BEN BELILL** 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 05/13/2025 Sampling Date: 05/09/2025

Reported: 05/14/2025 Sampling Type: Soil

Project Name: BIG EDDY UNIT DI 30 WEST BATTERY Sampling Condition: Cool & Intact Project Number: 03C1558598 Sample Received By: Alyssa Parras

Project Location: XTO

### Sample ID: FS 09 1 (H252835-13)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/13/2025	ND	1.75	87.4	2.00	5.30	
Toluene*	<0.050	0.050	05/13/2025	ND	2.02	101	2.00	3.71	
Ethylbenzene*	<0.050	0.050	05/13/2025	ND	2.15	108	2.00	3.23	
Total Xylenes*	<0.150	0.150	05/13/2025	ND	6.47	108	6.00	3.41	
Total BTEX	<0.300	0.300	05/13/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	05/14/2025	ND	448	112	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2025	ND	225	112	200	2.40	
DRO >C10-C28*	<10.0	10.0	05/13/2025	ND	250	125	200	0.848	
EXT DRO >C28-C36	<10.0	10.0	05/13/2025	ND					
Surrogate: 1-Chlorooctane	123 9	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	130 9	% 40.6-15	3						

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Celeg D. Freene



### Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 05/13/2025 Sampling Date: 05/09/2025

Reported: 05/14/2025 Sampling Type: Soil

Project Name: BIG EDDY UNIT DI 30 WEST BATTERY Sampling Condition: Cool & Intact
Project Number: 03C1558598 Sample Received By: Alyssa Parras

Analyzed By: JH

Project Location: XTO

mg/kg

### Sample ID: FS 10 1 (H252835-14)

BTEX 8021B

	9/	9	7	7: :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/13/2025	ND	1.75	87.4	2.00	5.30	
Toluene*	<0.050	0.050	05/13/2025	ND	2.02	101	2.00	3.71	
Ethylbenzene*	<0.050	0.050	05/13/2025	ND	2.15	108	2.00	3.23	
Total Xylenes*	<0.150	0.150	05/13/2025	ND	6.47	108	6.00	3.41	
Total BTEX	<0.300	0.300	05/13/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	05/14/2025	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2025	ND	225	112	200	2.40	
DRO >C10-C28*	<10.0	10.0	05/13/2025	ND	250	125	200	0.848	
EXT DRO >C28-C36	<10.0	10.0	05/13/2025	ND					
Surrogate: 1-Chlorooctane	118 5	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	124	% 40.6-15	3						

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Celey D. Keine



### Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 05/13/2025 Sampling Date: 05/09/2025

Reported: 05/14/2025 Sampling Type: Soil

Project Name: BIG EDDY UNIT DI 30 WEST BATTERY Sampling Condition: Cool & Intact
Project Number: 03C1558598 Sample Received By: Alyssa Parras

Applyzod By: 14

Project Location: XTO

### Sample ID: SW 03 0-1 (H252835-15)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/13/2025	ND	1.75	87.4	2.00	5.30	
Toluene*	<0.050	0.050	05/13/2025	ND	2.02	101	2.00	3.71	
Ethylbenzene*	<0.050	0.050	05/13/2025	ND	2.15	108	2.00	3.23	
Total Xylenes*	<0.150	0.150	05/13/2025	ND	6.47	108	6.00	3.41	
Total BTEX	<0.300	0.300	05/13/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	05/14/2025	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2025	ND	225	112	200	2.40	
DRO >C10-C28*	<10.0	10.0	05/13/2025	ND	250	125	200	0.848	
EXT DRO >C28-C36	<10.0	10.0	05/13/2025	ND					
Surrogate: 1-Chlorooctane	120	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	125	% 40.6-15	3						

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Celey & Keene



### Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 05/13/2025 Sampling Date: 05/09/2025

Reported: 05/14/2025 Sampling Type: Soil

Project Name: BIG EDDY UNIT DI 30 WEST BATTERY Sampling Condition: Cool & Intact
Project Number: 03C1558598 Sample Received By: Alyssa Parras

Applyzod By: 14

Project Location: XTO

### Sample ID: SW 04 0-1 (H252835-16)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/13/2025	ND	1.75	87.4	2.00	5.30	
Toluene*	<0.050	0.050	05/13/2025	ND	2.02	101	2.00	3.71	
Ethylbenzene*	<0.050	0.050	05/13/2025	ND	2.15	108	2.00	3.23	
Total Xylenes*	<0.150	0.150	05/13/2025	ND	6.47	108	6.00	3.41	
Total BTEX	<0.300	0.300	05/13/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	05/14/2025	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2025	ND	225	112	200	2.40	
DRO >C10-C28*	<10.0	10.0	05/13/2025	ND	250	125	200	0.848	
EXT DRO >C28-C36	<10.0	10.0	05/13/2025	ND					
Surrogate: 1-Chlorooctane	124	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	130	% 40.6-15	3						

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Celey D. Keine



### Analytical Results For:

**ENSOLUM BEN BELILL** 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 05/13/2025 Sampling Date: 05/09/2025

Reported: 05/14/2025 Sampling Type: Soil

Project Name: BIG EDDY UNIT DI 30 WEST BATTERY Sampling Condition: Cool & Intact Sample Received By: Project Number: 03C1558598 Alyssa Parras

Project Location: XTO

### Sample ID: SS 01A 2 (H252835-17)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/13/2025	ND	1.58	79.1	2.00	7.23	
Toluene*	<0.050	0.050	05/13/2025	ND	1.91	95.6	2.00	5.67	
Ethylbenzene*	<0.050	0.050	05/13/2025	ND	2.06	103	2.00	4.37	
Total Xylenes*	<0.150	0.150	05/13/2025	ND	6.36	106	6.00	3.93	
Total BTEX	<0.300	0.300	05/13/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	71.5-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/14/2025	ND	448	112	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2025	ND	225	112	200	2.40	
DRO >C10-C28*	<10.0	10.0	05/13/2025	ND	250	125	200	0.848	
EXT DRO >C28-C36	<10.0	10.0	05/13/2025	ND					
Surrogate: 1-Chlorooctane	123 9	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	126	% 40.6-15	3						

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### Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 05/13/2025 Sampling Date: 05/09/2025

Reported: 05/14/2025 Sampling Type: Soil

Project Name: BIG EDDY UNIT DI 30 WEST BATTERY Sampling Condition: Cool & Intact
Project Number: 03C1558598 Sample Received By: Alyssa Parras

Applyzod By: 14

Project Location: XTO

ma/ka

### Sample ID: SS 02A 2 (H252835-18)

RTFY 8021R

BIEX 8021B	mg	/ <b>kg</b>	Anaiyze	а ву: ЈН					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/13/2025	ND	1.58	79.1	2.00	7.23	
Toluene*	<0.050	0.050	05/13/2025	ND	1.91	95.6	2.00	5.67	
Ethylbenzene*	<0.050	0.050	05/13/2025	ND	2.06	103	2.00	4.37	
Total Xylenes*	<0.150	0.150	05/13/2025	ND	6.36	106	6.00	3.93	
Total BTEX	<0.300	0.300	05/13/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	05/14/2025	ND	448	112	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2025	ND	225	112	200	2.40	
DRO >C10-C28*	<10.0	10.0	05/13/2025	ND	250	125	200	0.848	
EXT DRO >C28-C36	<10.0	10.0	05/13/2025	ND					
Surrogate: 1-Chlorooctane	114	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	119	% 40.6-15	3						

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### **Notes and Definitions**

BS-3 Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.

A-01 CCV failed high biased. All samples ND.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

\*\* Samples not received at proper temperature of 6°C or below.

\*\*\* Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

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Celeg D. Freene

## 101 East Marland, Hobbs, NM 88240

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(575) 393-2326 FAX (575) 393-2476

	L.	(3/3) 333-2320 FAA (3/5) 393-24/6	2476						Pt.
Company Name:	Er			BILL TO	0				ANALYSIS REQUEST
Project Manager:	Ben Belill			P.O. #:					- 1
Address: 3122	Address: 3122 National Parks Hwy	wy		Company: XTO Energy	ergy Inc.				
city: Carlsbad	ad	State: NM	Zip: 88220	Attn: Colton Brown					
Phone #: 337	337 257-8307	Fax #:		Address: 3104 E. (	Green St.				
Project #: 03	03C1558598	Project Owner: XTO							
Project Name:	Big Eddy Unit DI 30 West Battery	II 30 West Ba		State: NM Zip: 88220	220				
Project Location:	n:								
Sampler Name:	Connor Whitman			Fav #					
FOR LAB USE ONLY			L	1					
on the controller				PRESERV. SA	SAMPLING				
Lab I.D.	Sample I.D.	Sample Depth (feet)	(G)RAB OR (C)OM # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER : ACID/BASE: ICE / COOL OTHER :	TIME	BTEX	TPH	CHLORIDE	
	1501	W		2	_	-	1		
w	F502	2				1	1		
W	F503	2			lolo		1		
4	Esory	2			Stol		1		
CA	SWOI	0-2			1020		1		
6	2005	0-2	<		1025				
21	PH02	0.5	€.		1105		1		
) <	PHOZA	2	9		1120		+		
7	PSOS.	0.5	C		200		-		
PLEASE NOTE: Liability and Damages, Cardinal's	Damages, Cardinal's liability and cile	nt's exclusive remarks for an	CVV	N W	105	<			
alyses. All claims including rvice. In no event shall Carr listes or successors arising	including those for negligence and any other or shalf Cardinal be liable for incidental or consecutive actions of the performance	cause whatsoever shall be d quental damages, including of services hereunder by Ca	5 8 6 4	cort, shall be limited to the amount p ceived by Cardinal within 10 days at of use, or loss of proffs incurred by ased upon any of the above stated r	aid by the client for the ler completion of the client, its subsidiarier sessors or otherwise.	e applicable s,			
Relinquished By:	À	15/16/25 175/16/25	Received By:		Verbal Result: All Results are Bastill	ult:	☐ Yes nailed, P ensolum.c	□ No A ease providom, TMorriss	Verbal Result:   Yes   No   Add'l Phone #:  All Results are emailed. Please provide Email address:  BELLII  @ensolum.com, TMorrissey@ensolum.com, kthomason@ensolum.com
Kelinquisned By:		Date: Time:	Received By:		REMARKS: Cost Center: 2096141001 GFCM: 48605000	Cost C	enter.	096141001	Incident ID: NAPP2510532038
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Observed Temp. °C	Sample Condition Cool Intact	CHE	Turnaround Time:	Time:		dard	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C
-		Jamp. L	Yes Yes	8	Thermometer ID #449	口 生	2 4		☐Yes ☐ Yes

† Cardinal cannot accept verbal changes. Please email changes to celey.keeh@cardinallabsnm.com

Sampler - UPS - Bus - Other: Delivered By: (Circle One)

1.0.

Cool Intact
Yes Yes

CHECKED BY:

Standard

Bacteria (only) Sample Condition
Cool Intact Observed Temp.

Yes Yes
No Corrected Temp.

Observed Temp. °C Corrected Temp. °C

GFCM: 48605000

## CARDINAL

# ND ANALYSIS REQUEST

VTO Engant Inc	Address: 3122 National Parks Hwy
	P.O. #:
BILL TO AI	Company Name: Ensolum, LLC
	(575) 393-2326 FAX (575) 393-2476
	101 East Marland, Hobbs, NM 88240
CHAIN-OF-CUSTODY A	Laboratories

company Name:	Ensolum, LLC			BILL TO	0				ANAL YSIS	REQUEST
Project Manager:				P.O.#:				-		70000
Address: 3122 I	Address: 3122 National Parks Hwy	Ŋ		Company: XTO Energy Inc.	nergy Inc.					
city: Carlsbad	0.	State: NM	Zip: 88220	Attn: Colton Brown	'n				_	
Phone #: 337 2	337 257-8307	Fax #:		Address: 3104 E. Green St.	Green St.			_		
Project #: 030	03C1558598	Project Owner: XTO	: XTO	city: Carlsbad						
Project Name:	Big Eddy Unit DI 30 West Battery	1 30 West Bat	ery	State: NM Zip: 88220	8220			_		
Project Location:								_		
Complex Name								_	_	
Sampler Name:	Connor Whitman			Fax #:					_	
FOR LAB USE ONLY			MATRIX	PRESERV. SA	SAMPLING					
Lab I.D.	Sample I.D.	Sample Depth (feet)	(G)RAB OR (C)OMF # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE/COOL OTHER:	TIME	BTEX	TPH	CHLORIDE		
11	507	1								
12	1508	-			1255					
13	E509	1			1220					
71	FSIA	_			1225					
15	Shos	0-1			1230					
16	Short	0-1	<		1235					
17	550 A	4	9		1255					
18	5502A	1	€ 8	<	1305	-	-	0		
	N THE			2		-				
PLEASE NOTE: Liability and D analyses. All claims including the service. In no event shall cardinal fillates or successors arising of the service.	bility and Damages. Cardinal's liability and cile including those for negligence and any other or shall Cardinal be liable for incidental or consequents is arising out of or related to the performance	nt's exclusive remedy for any ause whatsoever shall be de puental damages, including v of services hereunder by Ca	PLEASE NOTE: Labelity and Damages, Castina's liability and cilent's exclusive remedy for any claim arraing whether based in contract or fort, shall be limited to the amount paid by the cilent for the analyses. All claims including those for negligence and any other cause whatboever that be deemed valvierd unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including sufficion of limitation, business interruptions, loss of units, or loss of profits incurred by clerk, its subsidiaries, affiliates or successors triping out of or related to the performance of services her sunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasonal or otherwise.	or fort, shall be limited to the amount i received by Cardinal within 30 days oss of use, or loss of profits incurred is based upon any of the above stated	paid by the client for the after completion of the a after completion of the aby client, its subsidiaries or otherwise.	pplicable	-			
Kelinquished By:		5/335 Time:	Received By:	3	Verbal Result:	ilt:	☐ Yes lailed. F	□ No lease provi	Please provide Email address:	☐ Yes ☐ No Add'I Phone #: emailed. Please provide Email address:
Relinquished By:			Received By:		REMARKS: Cost Center: 2096141001	Cost C	enter.	2096141001	Incident ID: N/	Incident ID: NAPP2510532038



July 29, 2025

BEN BELILL

**ENSOLUM** 

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: BEU DI 30

Enclosed are the results of analyses for samples received by the laboratory on 07/25/25 11:36.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/qa/lab">www.tceq.texas.gov/field/qa/lab</a> accred certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2 Haloacetic Acids (HAA-5)
Method EPA 524.2 Total Trihalomethanes (TTHM)
Method EPA 524.4 Regulated VOCs (V1, V2, V3)

Celey D. Keine

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



### Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 07/25/2025
Reported: 07/29/2025
Project Name: BELL DI 30

Project Name: BEU DI 30
Project Number: 03C1558C58
Project Location: NONE GIVEN

Sampling Date: 07/25/2025

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

### Sample ID: BH 01 0.5' (H254536-01)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/28/2025	ND	1.67	83.6	2.00	9.57	
Toluene*	<0.050	0.050	07/28/2025	ND	1.77	88.5	2.00	8.88	
Ethylbenzene*	<0.050	0.050	07/28/2025	ND	1.77	88.6	2.00	7.90	
Total Xylenes*	<0.150	0.150	07/28/2025	ND	5.19	86.5	6.00	8.11	
Total BTEX	<0.300	0.300	07/28/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.8	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	07/28/2025	ND	448	112	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/28/2025	ND	210	105	200	1.87	
DRO >C10-C28*	<10.0	10.0	07/28/2025	ND	191	95.7	200	1.55	
EXT DRO >C28-C36	<10.0	10.0	07/28/2025	ND					
Surrogate: 1-Chlorooctane	75.7	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	73.0	% 40.6-15	3						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keine



### Analytical Results For:

**ENSOLUM BEN BELILL** 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 07/25/2025 Reported:

07/29/2025 BEU DI 30 03C1558C58

Project Location: NONE GIVEN Sampling Date: 07/25/2025

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

### Sample ID: BH 01A 2' (H254536-02)

Project Name:

Project Number:

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/28/2025	ND	1.67	83.6	2.00	9.57	
Toluene*	<0.050	0.050	07/28/2025	ND	1.77	88.5	2.00	8.88	
Ethylbenzene*	<0.050	0.050	07/28/2025	ND	1.77	88.6	2.00	7.90	
Total Xylenes*	<0.150	0.150	07/28/2025	ND	5.19	86.5	6.00	8.11	
Total BTEX	<0.300	0.300	07/28/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.8	% 71.5-13	4						
Chloride, SM4500Cl-B mg/kg		kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	07/28/2025	ND	448	112	400	0.00	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/28/2025	ND	210	105	200	1.87	
DRO >C10-C28*	<10.0	10.0	07/28/2025	ND	191	95.7	200	1.55	
EXT DRO >C28-C36	<10.0	10.0	07/28/2025	ND					
Surrogate: 1-Chlorooctane	84.2	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	80.9	% 40.6-15	3						

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Celey D. Keene



### **Notes and Definitions**

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

\*\* Samples not received at proper temperature of 6°C or below.

\*\*\* Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keine

## CARDINAI Laboratorie 101 East Marland, Hobbs, NM 88: (575) 393-2326 FAX (575) 393-2

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Delivered By: (Circle One)  Observed  Sampler - UPS - Bus - Other:  Corrected	Relinquished By:  Relinquished By:  Relinquished By:	PLEASE NOTE: Liability and Damages. Cardinal's liability and client's excit analyses. All claims including those for negligence and any other cause where the consequent of the control of the consequent of service. In no event shall Cardinal be liable for incidental or consequents of service.			BHe1A		Sample I.D.	Sampler Name: Connat Whitmen	Project Name: DEV DI 200	2	#: 337.257-8307	City: Carls bed State:	Ben Belill	Company Name: Enselve LLC
Observed Temp. °CU Sample Condition CHECKED BY: Turnaround T Corrected Temp. °CU 3	Received By:  Received By:  Received By:	PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable analyses. All claims including those for negligence and any other cause whatsoever shall be deemed whitever made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, service. In no event shall Cardinal be liable for incidental or consequent or otherwise.			1. 2.1	# CONTA GROUNI WASTEV SOIL OIL SLUDGE OTHER ACID/BA ICE / CC OTHER	OWATER VATER	MATRIX PRESERV. SAMPLING		Project Owner: XIO State: NM Zip: 8120		NM Zip: 88220	Company: XTO Posses	BILLIO
Turnaround Time: Standard Bacteria (only) Sample Condition  Rush Cool Intact Observed Temp. °C  Thermometer ID #140 Correction Factor +0.3°C VSh No Corrected Temp. °C	lease provid	aid by the client for the applicable grounderfor of the applicable client, its subsidiaries, easons or otherwise.	\(\sigma\)		955	BT	EX lorio			20				

Sante Fe Main Office Phone: (505) 476-3441 General Information

Phone: (505) 629-6116
Online Phone Directory
<a href="https://www.emnrd.nm.gov/ocd/contact-us">https://www.emnrd.nm.gov/ocd/contact-us</a>

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

QUESTIONS

Action 510105

### **QUESTIONS**

ı	Operator:	OGRID:
ı	XTO ENERGY, INC	5380
ı	6401 Holiday Hill Road	Action Number:
ı	Midland, TX 79707	510105
ı		Action Type:
ı		[C-141] Deferral Request C-141 (C-141-v-Deferral)

### QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2510532038
Incident Name	NAPP2510532038 BIG EDDY UNIT DI 30 WEST BATTERY @ A-15-20S-31E
Incident Type	Produced Water Release
Incident Status	Deferral Request Received

Location of Release Source				
Please answer all the questions in this group.				
Site Name	BIG EDDY UNIT DI 30 WEST BATTERY			
Date Release Discovered	04/14/2025			
Surface Owner	Federal			

Incident Details				
Please answer all the questions in this group.				
Incident Type	Produced Water 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	Cause: Equipment Failure   Dump Line   Produced Water   Released: 14 BBL   Recovered: 10 BBL   Lost: 4 BBL.				
Is the concentration of chloride in the produced water >10,000 mg/l	Yes				
Condensate Released (bbls) Details	Not answered.				
Natural Gas Vented (Mcf) Details	Not answered.				
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

Action 510105

QUESTIONS (continued)

Operator:	OGRID:		
XTO ENERGY, INC 6401 Holiday Hill Road	5380		
Midland, TX 79707	Action Number: 510105		
Winding, 177 10101	Action Type:		
	[C-141] Deferral Request C-141 (C-141-v-Deferral)		
QUESTIONS			
Nature and Volume of Release (continued)			
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be 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.		
Initial Response			
The responsible party must undertake the following actions immediately unless they could create a si			
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.		
	ation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative o ed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of raluation in the follow-up C-141 submission.		
I haraby cartify that the information given above is true and complete to the best of my let	nouledge and understand that nursuant to OCD rules and regulations all an arcticle are required		
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	nowledge and understand that pursuant to OCD rules and regulations all operators are required ses which may endanger public health or the environment. The acceptance of a C-141 report by dequately investigate and remediate contamination that pose a threat to groundwater, surface 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: Robert Woodall Title: Environmental Analyst Email: robert.d.woodall@exxonmobil.com Date: 09/29/2025		

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Phone: (505) 629-6116

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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 510105

**QUESTIONS** (continued)

OGRID:
5380
Action Number:
510105
Action Type:
[C-141] Deferral Request C-141 (C-141-v-Deferral)

### QUESTIONS

Domodiation Dlan

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approva release discovery date.	l and beyond). This information must be provided to the appropriate district office no later than 90 days after the
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 26 and 50 (ft.)
What method was used to determine the depth to ground water	U.S. Geological Survey
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release ar	nd the following surface areas:
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
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 ½ and 1 (mi.)
Any other fresh water well or spring	Between ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Between 1 and 5 (mi.)
An (non-karst) unstable area	Between 1 and 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 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 remediatio	n plan approval with this submission	Yes		
Attach a comprehensive report of	lemonstrating 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 verti	cal 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)	8880		
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	0		
GRO+DRO	(EPA SW-846 Method 8015M)	0		
BTEX	(EPA SW-846 Method 8021B or 8260B)	0		
Benzene	(EPA SW-846 Method 8021B or 8260B)	0		
	NMAC unless the site characterization report includes completed imelines for beginning and completing the remediation.	defforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC,		
On what estimated date	will the remediation commence	0.4/0.4/0.005		
On what data will (or did)	Will the femodiation commence	04/21/2025		
On what date will (or did)	the final sampling or liner inspection occur	04/21/2025 05/09/2025		
, ,				
On what date will (or was	the final sampling or liner inspection occur	05/09/2025		
On what date will (or was	the final sampling or liner inspection occur ) the remediation complete(d)	05/09/2025 05/09/2025		
On what date will (or was What is the estimated sur What is the estimated vol	the final sampling or liner inspection occur ) the remediation complete(d) face area (in square feet) that will be reclaimed	05/09/2025 05/09/2025 2000		
On what date will (or was What is the estimated sul What is the estimated vol What is the estimated sul	the final sampling or liner inspection occur ) the remediation complete(d)  face area (in square feet) that will be reclaimed ume (in cubic yards) that will be reclaimed	05/09/2025 05/09/2025 2000 160		

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

General Information Phone: (505) 629-6116

Online Phone Directory <a href="https://www.emnrd.nm.gov/ocd/contact-us">https://www.emnrd.nm.gov/ocd/contact-us</a>

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

QUESTIONS, Page 4

Action 510105

**QUESTIONS** (continued)

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	510105
	Action Type:
	[C-141] Deferral Request C-141 (C-141-v-Deferral)

### QUESTIONS

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.					
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:					
(Select all answers below that apply.)					
Yes					
fEEM0112334510 HALFWAY DISPOSAL AND LANDFILL					
Not answered.					
Not answered.					
Not answered.					
Not answered.					
Not answered.					
Not answered.					
Not answered.					
Not answered.					
Not answered.					
Not answered.					

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.

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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface 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.

Name: Robert Woodall
I hereby agree and sign off to the above statement

Title: Environmental Analyst

Email: robert d woodall@ex

Email: robert.d.woodall@exxonmobil.com Date: 09/29/2025

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.

Operator:

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

XTO ENERGY, INC

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

QUESTIONS, Page 5

Action 510105

**QUESTIONS** (continued)

OGRID:

5380

Midland, TX 79707	Action Number: 510105
Midiand, 1X 79707	Action Type:
	[C-141] Deferral Request C-141 (C-141-v-Deferral)
QUESTIONS	
Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of	f 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	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Is the remaining contamination in areas immediately under or around production equipment where remediation could cause a major facility deconstruction	Yes
Please list or describe the production equipment and how (re)moving the equipment would cause major facility deconstruction	surface process piping, pipe supports, separators, fresh water knock out (FWKO), access stairs.
What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted	1310
What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted	100
	iately under or around production equipment such as production tanks, wellheads and pipelines where In may be deferred with division written approval until the equipment is removed during other operations, or when
Enter the facility ID (f#) on which this deferral should be granted	fAPP2123045897 BIG EDDY UNIT 30 EAST
Enter the well API (30-) on which this deferral should be granted	Not answered.
Contamination does not cause an imminent risk to human health, the environment, or groundwater	True
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.	fforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC
to report and/or file certain release notifications and perform corrective actions for relethe OCD does not relieve the operator of liability should their operations have failed to	knowledge and understand that pursuant to OCD rules and regulations all operators are required asses 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: Robert Woodall Title: Environmental Analyst Email: robert.d.woodall@exxonmobil.com Date: 09/29/2025

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS, Page 6

Action 510105

QUESTIONS (continued)

de la liente (contantada)		
Operator:	OGRID:	
XTO ENERGY, INC	5380	
6401 Holiday Hill Road	Action Number:	
Midland, TX 79707	510105	
	Action Type:	
	[C-141] Deferral Request C-141 (C-141-v-Deferral)	

### QUESTIONS

oling Event Information			
Last sampling notification (C-141N) recorded	487094		
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	07/25/2025		
What was the (estimated) number of samples that were to be gathered	10		
What was the sampling surface area in square feet	2000		

Remediation Closure Request  Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.		

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

CONDITIONS

Action 510105

### **CONDITIONS**

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	510105
	Action Type:
	[C-141] Deferral Request C-141 (C-141-v-Deferral)

### CONDITIONS

Created By	Condition	Condition Date
rhamlet	XTO's deferral requests final remediation for (Incident Number NAPP2510532038) until final reclamation of the well pad or major construction, whichever comes first. Ensolum and XTO do not believe deferment will result in imminent risk to human health, the environment, or groundwater. The impacted soil is the area designated as "Deferral Area" on figure 4 that is next to active production equipment and surface pipelines, where remediation would require a major facility deconstruction. At this time, OCD approves this request. The Deferral Request and C-141 will be accepted for record and placed in the incident file. The release will remain open in OCD database files and reflect an open environmental issue.	11/12/2025